

# RADIO IN DEX

The All-Wave Radio Log Authority

No. 141

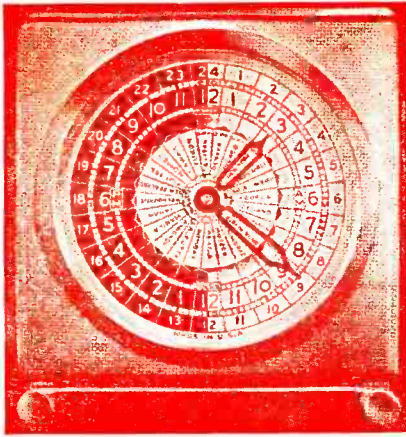
JANUARY-FEBRUARY, 1941

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Emerson, New Jersey



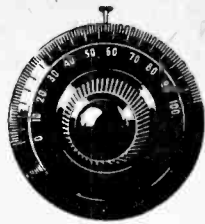
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# RADIO IN DEX

Reg. U. S. Patent Office



SEVENTEENTH YEAR

JANUARY 1, 1941

NO. 141

Page Taylor, *Editor*

B. Francis Dashiell, *Technical Editor*

Ray LaRocque, *Eastern Editor*

Melvin Fisher, *Western Editor*

Owen P. Callin, *Amateur Editor*

## The Radex Contest

A handful of readers have already sent us their standings in the Radex DX Contests. Following are the standings in each of the Contest's four divisions:

All Wave Division: 12 points, Merton T. Meade

Broadcast Division: 20 points, Kenneth F. Murphy

Shortwave Division: 12 points, Al Renfro, Jr.

Amateur Division: 21 points, Harry O'Meara.

Most of the contestants, however, will not send us Coupon Number One until they have received this copy of RADEX, so the standings given above are, naturally, far from representative.

It is not too late to enter the big Radex DX Contest. Copies of the November-December, 1940 issue of RADEX, in which appeared Coupon Number One, can still be obtained from our offices in Emerson, N. J.

For the benefit of those of our readers who may have missed our announcement in our last issue, the RADEX Contests cover four divisions of DXing: All Wave, Shortwave, Broadcast Band and Amateur. The Contest began on October 1st, and will continue until September 30, 1941, and as soon thereafter as possible the names of the winners will be published in RADEX.

The purpose of the Contests is to learn who can receive the greatest number of verifications from radio stations during the year, and all verifications entered must confirm stations heard during this period.

Contesants will be allowed two months after the close of the Contests, until December 1, 1941, to receive verifications from distant stations heard prior to the official closing date of the Contests. It will not be necessary for contestants to send us their verifications until we request them to do so.

Each contestant may enter as many Divisions of the Contests as he wishes.

A contestant can take first prize in only one contest. If a person should happen to place first in two divisions, he will be offered his choice of first prize in one of the divisions, and second prize in the other.

Points will be computed by multiplying your total number of verifications by the number of countries represented. If you have 700 verifications from 20 different countries, your score would be 700 times 20, or 14,000.

Only one verification from each station will be accepted. If a station works on several frequencies, employing the same call letters on all frequencies, it can be counted as a separate station for each frequency, PRO-

VIDED the frequency on which the station was heard is clearly shown on the verification.

Verifications from stations can, of course, be in any form whatever—QSL cards, postal cards, letters, international reply cards, or cards prepared by the listener and properly signed by the station.

With countries being eliminated and new ones being formed nearly every week, we believe that the fairest way to determine the nationality of a verification will be to be guided by the postage stamp under which it is mailed. Thus, if a DXer hears a country called Radioland, and receives his verification with a Radioland stamp on it, it will still be a Radioland even if the country should later become a "protectorate" of Costa Rica. However, if after the

change, he heard the same station again and it was verified as a Costa Rican station, he could count it as another country. This may not be the most perfect way to handle such a situation, but we believe its simplicity commends it.

#### Shortwave Broadcast Division

The person who receives the greatest number of points from stations broadcasting programs of entertainment between the frequencies of 1600 and 500,000 kcs. will be titled the Shortwave Champion, and will receive a cash award of \$15. The second prize in this division will be a Spatari Radio Language Book.

#### The Amateur Division

The person who receives the greatest number of points from amateur stations transmitting within the rec-

#### SEND STANDING NOW

All contest entries must be sent on the coupons which will be printed in every issue of RADEX, and failure to send a coupon will eliminate a contestant. To insure the receipt of your copy of every issue of RADEX, it is suggested that you send in a subscription, which is only \$1.25 per year. See the subscription blank on page 96.

Do not hold the coupons until the end of the contest, but send each of them, as soon as possible, to RADEX, Emerson, N. J. Each coupon may be held, however, until the next one is in hand; thus, send Coupon No. 1 now, if you have not already done so; send Coupon No. 2 when you have received your next issue of RADEX.

The Radex Publishing Co.,

12 Locust Ave.,

Emerson, N. J.

Date.....

Gentlemen:

My entry in the RADEX Contests follows:

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

Name .....

Address .....

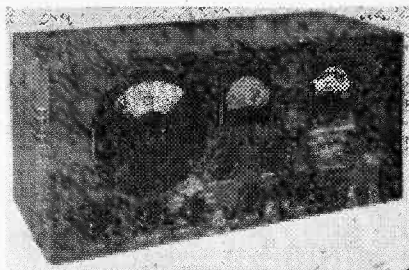
City and State .....



ognized amateur bands will be declared the Amateur Champion and will receive a cash award of \$15. The second prize in this division will be a one year subscription to RADEX.

#### Broadcast Band Division

The person who receives the greatest number of points from broadcasting stations operating on frequencies between 500 and 1600 kcs., located anywhere in the world, will be declared the Broadcast Band Champion,



*The Hallicrafters SX-24*

and will receive the PHILCO STRAP - AROUND PORTABLE RADIO. The person who places second in this division will receive a cash prize of \$15.

#### All Wave Division

The person who receives the greatest number of points from all radio stations using voice, from 500 to 500,000 kcs. will be the All Wave Champion. The All Wave Division includes all radio stations — broadcasters, amateurs, commercials, ships, police, etc. but not stations using code. The winner in this division will receive a HALLICRAFTER SKYRIDER DEFIANT RECEIVER and the person placing second will receive a cash award of \$30.

## FOR THE ALL-WAVE CHAMPION

# HALLICRAFTERS

Through the courtesy of Mr. Royal Higgins and Mr. W. J. Halligan, The Hallicrafters, Inc., of Chicago, Ill., have donated a HALLICRAFTERS SKYRIDER DEFIANT RECEIVER, Model SX-24, to be given to the person who will be declared the All Wave Champion.

This all-wave receiver is truly one of the finest communications sets on the market today. Frequency Meter tuning is provided by means of two translucent illuminated dials, one for the main tuning control and the other for the electrical bandspread system. A built-in noise limiter is provided. Variable selectivity in six positions from sharp crystal to broad I. F. A carrier level meter is calibrated in "S" units and decibels. A double-balance bridge-type crystal filter, frequency stabilization and a full four-band tuning range from 540 kcs. to 43500 kcs. all contribute to its peak performance. Ample selectivity is provided by a T. R. F. stage and two high-gain I.F.'s.

## *Radex Contest Prizes*

### *All Wave Contest*

**Hallicrafters Skyrider Defiant Receiver, SX24**

**2nd Prize, \$30 in cash**

### *Amateur Contest*

**1st Prize, \$15 in cash**

**2nd Prize, Subscription to Radex for one year**

### *Broadcast Band Contest*

**Philco Strap-around Portable Radio**

**2nd Prize, \$15 in cash**

### *Shortwave Contest*

**1st Prize, \$15 in cash**

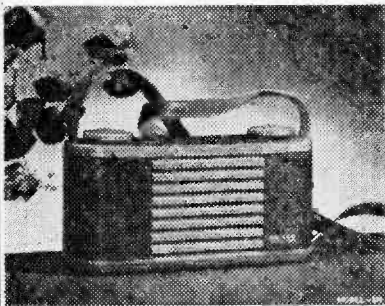
**2nd Prize, Spatari Radio Language Book**

For The Broadcast Band  
Champion  
**PHILCO**

The PHILCO Corporation, Tioga and "C" Streets, Philadelphia, Pa., has donated a strap-around portable radio, Model 89-C, to be offered as a prize.

This portable radio plays anywhere, and is ideal for hikes, picnics, at the beach, wherever you go, indoors or out. It is truly a tiny package of "dynamite" in performance, with the power and fine tone of a radio many times its size. The aerial is contained in the shoulder strap. It is extremely light in weight, and its smart, plastic case recently won one of the top awards in the Modern Plastics Contest in New York City.

The PHILCO strap-around portable radio will be offered to the winner of the Broadcast Band Championship division of the contest.



**DX Tips from Cleveland**

The Cleveland Radio Club sponsors a program of DX tips over station WTAM, Cleveland, every Saturday night from 11:15 to 11:30 pm, EST.

# On The

By **MELVIN FISHER**

The addition of HALLICRAFTERS and PHILCO radios to the prize list for our contests make an imposing array indeed. Here at last is the contest for which we have all been waiting, one in which the winners are rewarded in "hard" cash or with the above mentioned radio sets. We all like DXing just for the pure fun we derive from it. . . . let alone winning prizes for something we enjoy doing. So if you haven't entered the contests, remember it still isn't too late, and everyone has a chance for one of the prizes, no matter on which band you do your tuning.

As we mentioned in the last issue, we would like those of you who reside in the zones covered by this column (PST MST time zones and Oceania) to let us know your contest standings so that we may run a "ladder" each month showing just how our own DXers are faring.

At this time we are happy to announce that we will conduct a "Distance" contest for all readers of this column. We feel the idea is rather unique, and owe our thanks to Mr. L. E. Yarnes for presenting it to us. This contest will in no wise interfere with the prize contests, and will work in very well while you are competing for the prizes. The object of the contest is to verify the most distant station. Distance will be measured "as the crow flies," from maps, and will be computed from your locality to the station. Should the station be on the other side of the world, as many of them will be, distance will be measured the shortest way 'round. Each contestant will submit only this best entry, of course, but if a more distant veri is received during the course of the contest, it may be entered, and the other entry withdrawn. Standings will be shown in this column with entry of greatest distance being

## West Coast

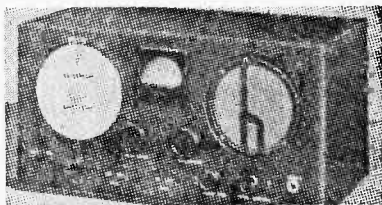
listed first. There will be no prize awarded for this contest—it's just being run for the fun of it and we want to see how it works out. Listening period of the contest will be from January 1, 1941, to March 1, 1941. We will allow up until July 1st for contestants to receive veris.

Mr. Paul Sampson of Regina, Sask., has written us about his methods employed in verifying stations, and we wish to present them to our readers in the hopes that they will be of help to beginners who "just quite don't know how to go about it" as yet, and also to any of the "regulars" and "vet" DXers who for some reason or another may not be satisfied with the results they are obtaining under the system they now use, and may even now be trying to devise ways and means to raise "the ole' veri percentage."

One point quite out of the ordinary is that he never reports the same program to the station twice. If they fail to verify for the first report, he then compiles a new one and submits that. We can think of only one drawback here, and that is in the case of a very hard to get domestic station or a low powered foreign station, where it might be doubtful as to the possibility of picking them up again. However, for the most part, the above idea would be practical, and most certainly is worth a trial, especially in the case where you've sent two or three reports to a station you especially want to receive a verification from and have had no success.

A very good point to our way of thinking is that of trying to make the letter as friendly and personal as possible, at the same time taking care to enclose the technical data necessary to make your report of value to the station. In rare instances in reporting you may have at one time or another been in the city or town

## The Latest SKY BUDDY



### Now With Electrical Bandsread! Tunes the Ten Meter Band . . .

For the shortwave DX fan, or the boy in search of new thrills by way of shortwave or BCB radio, the Sky Buddy is the outstanding low-cost choice. This latest improved model offers even greater value than ever before. Tunes the wide electrical bandsread from 545 kcs. to 44,000 kcs. in four bands and covers standard broadcast and shortwave broadcast bands as well as the amateur 10, 20, 40, 80 and 160 meter bands. Features separate bandsread dial, beat frequency oscillator, send-receive switch, AVC switch, pitch control, AF gain control, phone jack, etc. Has built-in speaker offering excellent tone quality. The Sky Buddy uses only 6 tubes but its performance is marvelous. Antenna input for either double or Marconi type antenna systems. Headphone jack cuts out speaker when 'phones are plugged in. Although supplied for AC operation, the Sky Buddy is also equipped with a simple plug and socket arrangement at the rear which permits the use of a 6 volt storage battery and "B" batteries or vibrator power pack for portable use or in remote areas where AC lines are not available. The Sky Buddy is supplied with a complete set of matched tubes.

### A GREAT VALUE FOR YOUR MONEY

More real features and better performance than you have ever known for a set so reasonably priced.

For 110 V., 50-60 cycles AC. Shipping weight 21 lbs.

**MODEL S19-R "Sky Buddy,"**

**CASH PRICE . . . . . \$29.50**

**Time payments, \$4.43 down and \$4.43  
each month for 6 months**

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**Emerson, N. J.**

where the station is located, or may have even resided there, and a case of this sort furnishes a very good opportunity to insert a friendly and neighborly tone to your letter. Or you may be interested in that particular locality or country, and may have attempted to learn about it from books. . . . in which case just mentioning the fact in your letter gives it a more personal note, and it's just human nature to respond more favorably to a friendly, cheery attitude in a person.—N'est-ce-pas? It might be well to mention here that postage on postcards to Canada is two cents instead of one.

Before entering into the news and reports of the month we want to tell you about the "Big Three." Each issue we are going to show in one, two, three order the names of the three best reporters, from the standpoint of reports to the column. Points which will be taken into consideration will be consistency of reporting, reports on new or rare stations, and news value of the reports as regards to the help and information they would furnish others RADEXERS.

So with a nice fan-fare, and a flourish of our arm, we present the initial "Big Three" of the West Coast Column RADEXERS:

#### THE BIG THREE

1. **Harold Baxter**
2. **Frank Macedo**
3. **Russell Cain**

Honorable mention is due **Wm. Cunningham, Geo. Rockwell, and Harry Johnson.**

#### BROADCAST BAND

**H. H. CROW, JR., SACRAMENTO, CALIF.**—"KHSL, Chico, recently moved into beautiful new studios in the Morehead Bldg. The building has been completely remodeled and is now one of the most modern in the valley. The station manager is Mr. M. F. Woodling and Mr. Morton Weibers is Chief Engineer. KHSL, KYOS, KWLK, KMYC and KVCV are all owned by the same group of

people and are affiliated with the Mutual-Don Lee System.

**Wm. C. Grove** is manager of KFBC, 1420 kc, under construction in Cheyenne, Wyo.

**FRANK MACEDO, VICTORIA, B. C.**—Among Frank's 560 veries are the following: XGOA, ZBW, WPR, WPRP, WNEL, WKAQ, TGW, TG1, PRF3, OAX4A, HJN, YV1BC, LR5, HHK, HIX, LS2, LS11, LR1, LR6, 10B1, 10AY, 10AT and 10AB. His veries from Japan and "Down-Under" are too numerous to list. He has eleven Japanese and forty-nine stations from "Down-Under" verified, including 4QS. He has also verified KGMB, KGU, KHBC and KTOH. He says—"I heard WGH and WCNW on the FCC tests last Oct. —2YC, 2YA and 3YA are getting through OK. (In September). The only new stations for me are CJGX and KROD." His verie from KTOH stated his was the second report from the mainland and the first from his province. He heard them May 8th at 12:15 am. A further report from Frank states in part: "My best Aussie is 4IP, who said my report was the first from Canada. . . . Eastern stations are tough to get out here. My best are WKST, WRAW, WDAS, WFAS, WCNW, WNLC, CHNS, WMBR, WQOM, WMMN, CKPR, etc. . . . PRF3 came in R7-8 on their test and LS11, La Plata, was heard R9 plus. . . . The morning of Sept. 24th Frank heard the following: 4BU-Q3/R4; 2NZ-Q4/R5-6; 3TR-Q3/R4-5; 3GL-Q4/R5; 3ZB-Q4/R6-7; JOAK1 - Q4/R7; JOAK2 - Q4/R6-7; JOFK-Q4/R6.

**FRED ANDERSON, FORT McDOWELL, CALIF.** "Recent veries are WLS, KWJJ, KSTP, WABC and KFBK. My receiver is a new HAL-LICRAFTER Marine."

**RUSSELL CAIN, RENO, NEVADA.** "Stations heard here include CBK, CKY, CFCN, CBR, WHO, WBT, WHAM, WDAY, KDKA, WWL, and WSB".

**R. V. CALDWELL, NESKOWIN, ORE.** "I am three miles from the



Pacific Coast, and am troubled with lots of noise. Shortwave is quieter in the daytime than the broadcast band. KXL now uses 5000 watts full time. I have a Crosley Model 557, 5 tube receiver. A high power electric line fifty feet away causes a lot of static. I have a duplex antenna, double lead-in. Is there a filter or wave trap that would help?"

MRS. L. E. GRANNIS, EUREKA, CALIF. "KGFL answered for postage when I sent a report on their frequency check program. KMED answered by letter'. KTMS, KGLO and WJIM, all listed as "status unknown" in RADEX, verified for Mrs. Grannis for postage. We would appreciate more reports on veries received from stations listed as "status unknown".

GEO. ROCKWELL, DENVER, COLO. "I have been a reader of the Radex Magazine for the past six or eight months and upon acquiring a new 12 tube Stewart-Warner radio I started to DX in earnest...since that time I have logged 143 stations and have verified more than 90 of them". His best are WMSD, WEDC, WOWO, WJBO, WSLI, WBT, WHBQ, WTJS, and WWVA. He would like to get in touch with DX-ers in Denver and compare notes.

HAROLD BAXTER, BERKLEY, CALIF. Using a 5 tube table model Harold reports the following TPs heard in September: JOAKI, JOTK, JOVK, JOBKI, JORK, JOCKI, JOSK, JFAK, JOHK, JOGK, JOIK, JOFK, JBCK, JOAK2, JOLG, JOBK2, JODK1, JOCK2, 2CR, 6WA, 2YA, 2VC, 2FC, 3AR, 4QN, 5CK, 1YA, 3WV, 2NR, 7NT, 3YA, 2BL, 4QS and 3GI. He also detected Japanese stations on 780, 920 and 640 kilocycles. A station on 560 kilocycles believed to be MTCY was heard, a Russian, probably RW54, was heard on 540 k/c, and Chinese stations came in on 660 and 900 k/c.

WM. CUNNINGHAM, HOLLYWOOD, CALIF.—"HIT and HIG are deleted. HIZ is on 1350 k/c with

200 watts power. A New Dominican Republic station has been reported operating. It is the new 10KW HITK in Cuidal Trujillo on 1180 k/c. VOGY and VOAC are presumably deleted, as they are not included in the list of operating stations sent me by the Newfoundland Dept. of Posts and Telegraphs. CHNB, the new North Battleford, Sask., station will go to 1450 k/c from 1420 k/c, and CJHC the New Halifax Chronicle station operating on 1290 k/c will in all probability move to 1320 k/c." We want to thank Bill for the list of Canadian reassignment frequencies which he sent us, and which will probably be effective next March 29th.

MERVYN BRANKS, INVERCARGILL, NEW ZEALAND. "Among the stations verified recently are many hard to hear in the U. S. A., let alone at a distance of almost 10,000 miles: KOH, KARM, KYSM, KGKO, KPAC, WJBK, WKBW, KRBW, WSPB, KVWC, WMBG, KROY, KFDA, KVOE, CFAC, and police stations WPGG, WPGQ and WPHC (on 1596 k/c). Local changes are: The mobile station 5ZB is temporarily off the air. 4ZF, 1360 k/c is an auxiliary of 4ZB in Dunedin testing irregularly. 6PM, Fremantle, West Australia, has changed to 1320 k/c from 1390 k/c and a new Western Australian of 500 watts is being built at Merredin."

HARRY JOHNSON, LOS ANGELES, CALIF.—"I started DXing last July. I would like to join the Radex Club. I have received verifications from KTMS, KSTP, KWJJ, KEX, KOL, KFKA, KXA, WWL, KOB, and KGA." (Among others). He has also verified XEMO, XEON, and XEAC.

FORREST L. WEBB, SALINAS, CALIF., reports KGMB on 590 k/c and KERN on 1390 k/c. The receivers he uses are a HALLICRAFTERS SX-16, a 1936 5-tube Grunow, and a 9-tube 1927 Majestic. He has joined the Radex club. He adds that KQW

and KJBS form the Northern California Radio System.

CYRIL S. BELSHAW, AUCTIONEER, N. Z.—In answer to D. C. Morrison: "From a New Zealander's point of view, 4QS used to interfere with 2YH, so the authorities decided to change the frequency of 2YH from 760 to 750 k/c, and this change came about on July 22, 1940." He also states that 2BH has changed from 860 to 570 k/c; 4GR from 1000 to 860 k/c; 3UL from 900 to 880 k/c; 2XL from 880 to 920 k/c; 4VL from 570 to 920 k/c; 4AL from 860 to 970; 7DY from 1400 to 1450 k/c; 5MU from 1450 to 16040 k/c. 7UV is deleted. New stations are 7AD, Don Heads, on 990 k/c; 2LT, Lithgow, on 1080 k/c; 3CS, Colac, on 1130 k/c, and 6TZ, Dardanum, on 1340 k/c.

#### BROADCAST BAND NOTES

WBT almost always came through here on the West Coast during the summer, while the large Middle Western stations were inaudible except on rare occasions.

KSAN's slogan is now "Exclusive-ly for Women."

KGMB heard late in September with surprisingly good signal. KGU was very weak at the same time, while KTOH had been earlier in the month.

KFWB was testing on Sept. 24 at 1:15 am.

All nighters on the Pacific Coast now are KLS, KSAN, KFVD and KGFJ, while KALE, KIRO and KXA are all on until 3 am or thereabouts.

KTKC comes in R9 on 890 k/c in the evenings even though local KLX is 880 k/c.

KSAL heard from 4 am on new channel of 1120 k/c.

KLZ heard with good signal from 4:15-4:45 am with "Rocky Mountain Roundup." Can anyone tell us who the other member stations of this network are?

KFFA, 880 k/c, heard at 12:30 am with Midnight Jamboree program.

CKMO heard at 12:45 am on their DX Prowl breaking through the side-band interference from KSAN.

KRE heard until 2:00 am on two consecutive Fridays nights.

KTSM heard on new frequency of 1350 k/c on Oct. 12.

The following stations are on our list of non-QSLers: KLZ, XEBG, KQRS, KXL, KRLC, KMJ and CFJC. Can anyone help us out on these?

XEFW moves to 810 k/c and will go to 50 KW on Oct. 29th, 1940. XEAM to increase power to 250 watts; XEFE to increase to 250 watts and move to 930 k/c. XEAD will change frequency to 1270, XEAG to 1280, XES to 1300. XED operates with 1000 watts (not 1500). XEGM to come on the air Thanksgiving Day, 1940; frequency will be 920 k/c until March 29th, and 950 k/c thereafter. XEMX is operating regularly. (Cunningham)

3WV, Horsham, Vic., Australia operating on 580 k/c with 10,000 watts was heard Q3/R6 on Oct. 10th. 3VC, 200 watts, and 2MW, 100 watts, were both heard on 1470 k/c, heterodyning! (Macedo)

KSTP was heard with an R9 plus signal in Berkeley on Oct. 23rd, using new power of 50 KW. . . . three Utah stations, KLO, KOVO, and

KEUB, have formed the "Intermountain Network", and are affiliated with the MBS.

CMCY on 590 k/c is heard every morning. Other Cubans heard include CMCD on 620 k/c and CMX on 880 k/c. KGBU was heard R6 on Sept. FCC test. WCAE was heard in September. (Critchett)

KYAN heard testing through KRE. . . . KXOK heard testing on new frequency of 630 k/c. . . . KPHO heard testing on 1200. . . . WHN the same on 1010. . . . TGW heard any evening around 7:30-8:00. . . . LRI

WTAM is weak. . . . RW30 was heard in early morning on 913 k/c. (Macedo)

KROD and KYAN heard signing on at 5 a.m. . . . KTUC and KGKY followed at 5:30. . . . 6WB on 1070 k/c heard R6-7 at 5:15 a.m. . . . Oriental station on 900 k/c heard with news in English from 3:45 to 4 a.m. . . . call not heard due to power interference. Others heard were JOCG, JOLK, JOAG, JOOG, JOCG, JOXK, 3LO, 4YA, 4QG, 2CY, and 4RK. (Baxter)

KBKR, 1500 k/c, was heard relaying BBC news from 6:00-6:15 p.m. (Hooker)

### THE SHORTWAVE-BAND

From the way the reporters are rolling in, we'd say that a lot of these fellows are surely trying for that HALLICRAFTERS radio set. So let's see what has been heard now that the DX season is in full swing.

#### Argentina

LRX, 9660 k/c, Buenos Aires, "Radio el Mundo", heard coming on the air at 2:30 a.m. (Baxter)

#### Australia

VLQ5 broadcasts 4:25-5:00 a.m. and 7:25-8:00 a.m. on 9680 k/c. VLQ3 broadcasts 3:10-4:00 p.m. on 15,315 k/c. VLQ8, 17,800 k/c, broadcasts 9:55-10:45 p.m. (Cain)

#### Brazil

PSH, 10220 k/c, heard on regular English program Mondays 5:00-5:30 p.m. (Cain)

#### Canada

CJRX in Winnipeg heard on 11,720, k/c with news in English at 7:00 p.m. (Cain)

#### Chile

CB1174, Santiago, heard almost daily with good strength around 5:30 a.m. on 11740 k/c. CB1170, 11700 k/c, heard R8-9 at 4 p.m. (Baxter)

#### China

XGOK announces they are now on 9635 k/c, and are heard every morning from heard at 4:30 a.m. with Oriental program, and XOJD, 6100 k/c, was heard with a good signal from 5-6 a.m. (Baxter)

XGOX, 19700 k/c, broadcasts 5:30-6:35 p.m. to western North America, and 7:00-8:05 p.m. for eastern part of North America. XGOY, 25,200 k/c, is on from 6:00-6:35 a.m. for North America. (Hoker)

#### Colombia

HJCT at Bogota heard on 9630 k/c at 8:20 p.m. (Cain)

#### Costa Rica

TIPG, 9620 k/c, puts in a fine signal in the evenings.

TIPG heard with sign-off in English at 8:30 p.m. (Cain)

#### Cuba

COCH, 9440 k/c, heard 6:30-7:30 p.m. with good strength, but bothered by static. Russell Cain of Reno reports a Cuban on 11,496 k/c, which must be COCY on 11,500 k/c.

#### Ecuador

HCJB is now heard very well on 12,450 k/c. (Cain)

HCJB heard on above mentioned frequency at 3 p.m. on a Saturday, with English the language used. (Caldwell)

#### England

GSP, 15310 k/c, heard at 2 p.m. on Transmission IV broadcast to North America. GSC, 9580 k/c, heard with very entertaining dance program 7:30-8:15 p.m. on Sundays.

GST, 21,550 k/c, heard at 6 a.m. with fair signal. (Cain)

GSP, 15310 k/c, heard signing on at 2:40 a.m. with weak signal. GSD, GSF, GSV, and GSC were all heard R8-9 in parallel at 7:00 a.m. GRY, 9600 k/c, was heard with fair signal from 1:00-2:30 p.m. (Baxter)

GSL on 6110 k/c broadcasts from 1:30-3:35 a.m. to North America. (Johnson)

**Fiji Islands**

VPD2, 9538 k/c, Suva, heard R5-6 at 9:15 p.m. with English announcement, followed by a relay of BBC news. (Allen)

VPD2 heard with strong signal from 1:00 a.m. until sign-off at 2:15 a.m. They relayed BBC news at 1:20 a.m. (Baxter)

Radio Saigon was heard on the usual 7:30-8:00 a.m. transmission with good volume. (Cain)

They were heard 2:30-2:45 a.m. with American recordings, followed by news in English. (Baxter). Radio Saigon is on 11,780 k/c.

**Germany**

DXB, 9610 k/c, is the best heard German station in this locality. (Cain)

DJL and DJD hear coming on the air at 7:45 a.m. with program to Africa. Daily schedule and announcements were given at German and English. DJX also carried the program but was not heard here. (Baxter)

**Guatemala**

TGWA, 9685 k/c, and TGWB, 6457 k/c, are both well heard in Reno, and the latter is sometimes better than TKWA. (Cain)

TGWA broadcasts on 15,170 k/c, 9685 k/c, 17,800 k/c, and 11,760 k/c. (Johnson)

**Hong-Kong**

ZBW3, 9525 k/c, heard coming on the air at 2:00 a.m. with fair strength. (Baxter)

ZBW3 heard at 5:00 a.m. (Johnson)

**India**

VUD2, 9590 k/c, Delhi, heard at 4:30 a.m. with R4-6 signal. (Rockwell)

VUM2, 4920 k/c, VUD2, 4960 k/c, VUB2, 4880 k/c, and VUC2, 4840 k/c, were all heard with weak to fair signal at 4:30 a.m. VUD4, 11,830 k/c, heard with fair signal at 6:00 a.m. XYZ, 6007 k/c, Rangoon, Burma, heard daily with strong signals from 4:30-6:00 a.m. (Baxter)

**Iran**

A station on 9680 k/c believed to be EQC at Teheran has been heard several times from 5:45 a.m. News in English was given by a lady from 6:00-6:15 a.m., followed by an oriental program. (Baxter)

**Ireland**

"Radio Eire", 17,840 k/c, carries a news broadcast at 9:30 a.m. (Cain)

**Italy**

2RO3, 9630 k/c, was heard very well 5:30-7:00 p.m. on their American Hour, but were heterodyned, presumably by HJCT.

2RO4, 11,810 k/c, heard here at 4:35 p.m.

**Japan**

JLS2, 17845 k/c, heard with fair signal 2:00-2:30 p.m. Also heard between 5-6 p.m. on broadcast to Eastern North America. On other occasions JZK has been heard supplanting them on the latter broadcast.

JZI, 11800 k/c, heard at 9:30 p.m. on program to North America. (Allen, Sleichter, Cain, Caldwell)

JVW3, 11725 k/c, Tokyo, heard after 7 p.m. (Allen)

JZI, 9535 k/c, heard at 4 a.m. (Rockwell). JVW3 was heard with news in English at 1:55 a.m. Broadcast continued until after 4 a.m. with strong signals. (Baxter) JZI, 9535 k/c, heard R9 in parallel with JZI from 4-6:30 a.m. with oriental program. (Baxter). JZI heard R8 with news in English 11:30-11:45 p.m.

JLG4, 15,105 k/c, will carry a new two hour program for North America, starting at approximately 5 p.m. Trial transmission was heard on November 4th. Matzen)

**Java**

PLP, 11,000 k/c, Bandoeng, and YDB, 9550 k/c, heard in parallel 1:55-2:25 a.m. and 7:27-8:30 a.m. YDB had much the better signal until 7:45 a.m., when they began to fade and PLP simultaneously grew stronger.

YDA, 3040 k/c, heard R8 at 4:30-4:30 a.m. in parallel with YDB and PLP. (Baxter)

**Macao**

CRY9, 6080 k/c, Macao, heard R8

on Mondays 4:15-7:00 a.m. English announcements given at rather long intervals during musical program (Baxter)

#### Manchukuo

MTCY is now on 11,780 k/c.—heard from 10:30-11:20 p.m. with very good signal. It is also on around 7 a.m., but is covered by "Radio Saigon" when the latter comes on the air. (Cain, Sleichter)

MTCY on 6125 k/c heard 1:00-5:00 a.m. with gradually increasing signal. Call letters are occasionally given in English. (Baxter)

MTCY heard very well from 6:30-7:30 a.m. on 11,775 k/c. (Johnson)

#### Mexico

XEWX, 9500 k/c, is heard R9 in the evenings around 7 p.m.

#### Peru

OAX4R, 15150 k/c, Lima, "Radio Nacional de Peru", heard on a Wednesday with fair signal at 2:15 p.m. (Baxter)

#### Philippines

KZRH, 9635 k/c, was heard R9 at 1:30 a.m., but they were heterodyned by an unknown station.

KZRH and KZRM, 9570 k/c, were heard from 5-7 a.m. (Caldwell)

KZIB, 9500 k/c, and KZRH are heard every morning. (Rockwell)

KZRH was heard on 11,890 k/c with R9 signal from 8-9 a.m. (Baxter)

KZRM announces as "Radio Manila", KZRF as "Radio Filipinos", and KZRH as the "Voice of the Philippines." (Johnson)

#### Rumania

Bucharest has a powerful short-wave station on 15,150 k/c, but it is not frequently heard in the U. S. A. Reported from the East Coast as being heard at 6 a.m. English announcement is "This is Bucharest." (RX through Cain)

#### Russia

RV96 on 9520 k/c announces as "Radio Center, Moscow." (Bishop)

#### Spain

EAQ is well heard here. Verification has been received. (Cain)

#### Strait Settlements

ZHP, 9705 k/c, Singapore, heard signing on at 1:40 a.m. with fair signal. They continued until after 7 a.m. ZHJ, 6095 k/c, Penang, has a strong signal daily around 4:00 a.m. (Baxter)

#### Sumatra

YDX on 7220 k/c is heard daily with good signals in the early morning hours. (Baxter)

HBQ, 6675 k/c, Geneva, heard at 4:15 a.m. (Sleichter)

#### Switzerland

HSP5 heard at 6:20 a.m. on 11720 k/c with loud signal. (Cain)

#### Thailand

HSP5 was heard with a talk in English from 8:45-9:00 a.m. (Baxter)

#### Union of South Africa

A station on 9740 k/c believed to be ZRO at Durban was heard from 6 a.m. with a program of chamber music. The announcer had a distinct British accent. (Baxter)

#### United States

WNBI heard signing off at 9 p.m. on 11890 k/c. WLWO heard on new frequency of 15270 k/c at 2:30 p.m. WGEA testing on 6190 k/c at 12:45 a.m. with transcribed march tunes—signal R9 plus. KGEI back on 9530 k/c on Nov. 14th.

#### Uruguay

CXA19, 11710 k/c, Montevideo, "El Espectador" heard R8 at 4 p.m. (Baxter)

#### Vatican City

HVJ, 11740 k/c, heard with R7 signal from 5:30-6 p.m. on Sunday with program in English. There was some slight interference from CB1174. (Baxter)

#### THE MIDDLE BAND

KNHI, 2160 k/c, Alcatraz Island, tests every morning, 9:50-10:05, with the U. S. Coast Guard. Verification was signed by the warden. (Anderson)

KYZM, Lynden, Wash., and WWMA, Detroit, border control stations, were heard on 2700 k/c. KLH, 2506 k/c, Pac. T & T Co. station, was heard at 9:35 p.m. NMC, San Fran-

cisco Coast Guard station, logged on 2698 k/c. (Sleichter)

WVW heard on 5000 k/c with the 440 cycle beat note on the hour every hour lasting for five minutes, followed by a one-minute announcement. (Bishop, Allen, Yarnes)

D. L. Bishop of Liberty, Sask., would like information on KH2K and KH2L, both heard in the vicinity of five megacycles.

WAV gives a weather forecast at 7:30 a.m. and p.m. They operate on then frequencies from 2182 k/c to 9135 k/c. NW, heard at approximately 1750 k/c, is a coastal marine station situated at Glace Harbor, Wash. Weather report was given between 7:30 and 7:40 p.m. (Hooker)

WYM, March Field, heard on 4220 k/c. WKFN, KLWY, WOKQ, WOPJ, WOVJ, and WKFK, located on various boats, were all heard on 2738 k/c. KSCD, Los Angeles County Flood Control station, can be heard on 2726 k/c at noon and 4 p.m., Monday through Friday, giving weather reports. KOU on approximately 2500 k/c has been heard contacting ships at sea. KYZA Immigration Patrol station o 2550 k/c, located at EI Paso, has been heard. (Johnson)

WYPJ, "The New Washington," WCVM, "The Phyllis," KAHF, "The St. James," WNXS, "California Star," WFSX, "St. Francis," WPJY, "Santa Lucia," WPJZ, "Morning Star," and WNCY, "The Western Sun," were all heard on 2726 k/c between 7:30-9:00 p.m. All or most of these boats are fishing craft. NOJ, government weather station located at Pt. Vicente, Calif., broadcast at 8 a.m. and p.m. for marine shipping.

#### "THE PIGEON-HOLE"

First, our heartfelt thanks to all you RADEXERS for the increasing reports, and the marvelous support we are receiving in conducting our West Coast column. If you are not yet members of the RADEX club we

**YOUR COPIES OF RADEX WILL BE RESERVED. SEE PAGE 96**

ask that you join. . . . please tell your friends about it, too.

Fifteen-year-old Russell Cain of Reno, Nevada, has joined the Radex Club. . . . he has verified 47 out of 52 stations on Shortwave, and 47 out of 49 heard on BCB!

Eugene S. Allen of Berkeley has among his veries PLE, PLV, VPD, ZRK, CR7BH, and PCJ. He has heard 3039 stations on 20-meter phone. . . . 1311 on 75 meters. . . . 1652 on 160 meters! He tunes a PR-10 with a 2 tube preselector.

Paul Sampson of Regina is in favor of a small seal for RADEX club members that would sell for about 25c a hundred.

George Rockwell of Denver says, "KVOR at Colorado Springs, just 70 miles south of here, is extremely difficult to tune in. . . . it is necessary for their signal to travel over a mountain pass. . . . KMYR, a local station, has never been heard!" Geo. tunes a 12-tube Stewart-Warner.

NOTICE! NOTICE! In all fairness to the Standard Broadcast Band DXers, we feel it necessary to separate the "Distances" contest as introduced in this issue into two divisions; one for the BCB listeners, and the other for the Shortwave DXers. The Shortwave Division will include all stations not on the Standard Band.

Geo. Rockwell asks about a French station heard on about 9650 k/c from 4:00-5:00 a.m., with not English announcements. The station also uses some sort of a bird call at various intervals. . . . a Spanish speaking station was heard 9640 k/c, just above 2RO3, signing off at 7 p.m. on a Sunday. . . . Oriental station heard on 6030 k/c with very strong signal, from 1:30 a.m. until after 5:45 a.m. Harold Baxter, who asks about this station, says he believes the same station broadcasted in Portugese from 6:00 a.m. on. . . . he also heard an oriental station with fair signals on 14630 k/c, with musical program from 2:30 a.m. until after 7:00 a.m. . . . a third station heard by Har-

old was on approximately 5720 k/c. They were heard daily for several months with Portugese program from before 11:45 p.m. until sign-off be-

tween 12:50 and 1:00 a.m. Musical programs and talks were heard. In one talk,razil was mentioned often.

**LIST OF REPORTERS**

NOTE: If you have a RADEX club number, may we ask you to use it when reporting so you will not be listed incorrectly as a non-member.

- RF — ..... Your West Coast Editor ..
- R21, Sask.—1, ..... Paul Sampson ..... Regina, Sask.
- R276, N. Z.—1, ..... Mervyn Branks ..... Invercargill, N. Z.
- R839 ..... Wm. Cunningham ..... Hollywood, Calif.
- R1098 ..... Ted E. Matzen ..... Miles City, Mont.
- R1213 ..... H. H. Crow, Jr. .... Sacramento, Calif.
- R1245 ..... L. E. Yarnes ..... Berkeley, Calif.
- R1507 ..... Harold Baxter ..... Berkeley, Calif.
- R1455 ..... Cyril S. Bolshaw ..... Auckland, N. Z.
- R1630 ..... Mrs. L. E. Grannis ..... Eureka, Calif.
- R1829, Nev.—2, ..... Russell Cain ..... Reno, Nevada.
- R1849 ..... A. G. Hooker ..... Liberty, Sask.
- R1870 ..... Frank Macedo ..... Victoria, B. C.
- R1871 ..... Eugene S. Allen ..... Berkeley, Calif.
- R1874 ..... Geo. Rockwell ..... Denver, Colo.
- R1885 ..... D. L. Bishop ..... Liberty, Sask.
- R1905 ..... Forrest L. Webb ..... Salinas, Calif.
- ..... Fred A. Anderson ..... Ft. McDowell, Calif.
- ..... R. V. Caldwell ..... Neskowin, Ore.
- ..... C. E. Sleichter ..... Sacramento, Calif.
- ..... James E. Critchett ..... Santa Maria, Calif.
- ..... Harry Johnson ..... Los Angeles, Calif.

**YOU BENEFIT  
FIVE WAYS  
SEE PAGE 96**

**Special Ecuador Program**

On January 8, from 4 to 5 am EST, the Cia. Radiodifusora del Ecuador will present a special DX program over stations HC2AJ, 1050 kcs, 2500 watts, and HC2AK, 9310 kcs, 1500 watts. Reports are requested and should be sent to Sr. Luis Alcivar Elizalde, in care of the stations, at Guayaquil, Ecuador. Reports will be verified for return postage. These programs were arranged by Stephen Mann, of the NRC Courtesy Program Committee.

Please send us the names of friends who have shown an interest in DXing and whom you think would be interested in receiving a sample copy of RADEX. A postal card with the names and addresses on it will do. Thank you. RADEX, Emerson, N. J.

Reporters living in the Mountain Standard and Pacific Standard Time Zones may send their reports direct to  
Melvin Fisher  
1401 Bancroft Way  
Berkeley, Calif.  
*(Please use PST in reports).*

Tune for these special programs arranged by the WDXA:

- Jan. 8, from 12:01 to 1 am, WHAS, Louisville, Ky., 820 kcs.
- Jan. 8, from 4:15 to 4:30 am, WIBM, Jackson, Mich., 1370 kcs.
- Jan. 11, from 4 to 5 am, XEDH, Villa Acuna, Chih., 1340 kcs.

# HIGH FREQUENCY GLOBE TROTTING

By RAY La ROQUE

## Algeria

TPZ-2 on 8860 kcs. at Algiers, "Radio Alger" was heard with good signal from 1:50-4 p.m. with programs in French and Arabic. They announce "Ici Radio Alger", by a woman. News in French is given at 2:45 p.m. Interval Signal is the striking of a gong. (Skyten—Mass.) TPZ on 12120 kcs. was heard from 4-6 p.m. (AWaite—N. Y.)

## Argentina

LRX on 9660 kcs. at Buenos Aires is heard every evening from 6 p.m. with strong signals. Veri is a white card with the long-wave call printed in blue-grey and the message in black over it. The short wave call was written in ink. (Stephenson—Okla., Woolacott, N. Y., and Laudansky—Mass.) LSL-4 on 21160 kcs. has been used recently in sending on-the-spot reports of the CBS staff reporters to New York City. (McMahon—N. Y.) ISX on 10350 along with LSY on 18115 kcs. were heard from 7-7:30 p.m. on Sundays contacting New York and relaying programs. (Skyten—Mass., McMahon—N. Y., Wells—Ont.)

## Australia

VLQ on 9615 kcs. at Sydney is heard 2-2:30 p.m. with a program for Europe, with a good signal. News at 2:05 p.m. is in English. (Skyten—Mass., Benkey—Texas, Riedel—Ind., Meyers—Ill., Kempton—Mass.) VLQ-2 on 11870 kcs. is also heard at the same time as VLQ with a much weaker signal. (Skyten—Mass.) VLQ-2 and VLW-2 are carrying a program for South East Asia from 8:10-9:45 a.m. (Waite—N. Y.)

VLQ-3 on 15315 kcs. is heard at times very weakly from 6:10-7 p.m. with a program for North America. (Skyten—Mass., McMahon—N. Y.)

VLQ-5 on 9680 kcs. is on daily from 7:15 to 8 a.m. daily program coming on with the laughing of a bird, then continuing until 7:30 with

popular recordings. At 7:30 the news is presented. (Benkey—Texas, Riedel—Ind., Boyd—Ont., McMahon—N. Y., Borchardt—Wisc., Kane—Penna.)

VLQ-7 on 11880 kcs. is now carrying the North America program from 10:25-11 a.m. replacing VLQ-5. (Skyten—Mass., Meyers—Ill., Benkey—Texas.) VLQ-7 is listed as carrying the program from 8:10 to 9:45 a.m., but the announcement over the air is VIQ-2 (Waite—N. Y.)

VLR on 9580 kcs. is generally heard with a musical program from 7-7:30 a.m. (Kempton—Mass., Meyers—Ill.)

VLW-2 on 9560 kcs. on 9560 kcs. is heard 6:30-10:30 a.m., replacing VLW-2 on 9645 kcs. Signs off at 10:30 a.m. with latest news and "God Save The King". (Skyten—Mass.)

## Bahama Islands

ZFS in Nassau on 4512 kcs. heard calling Miami on Saturday evenings. (Wells—Ont.)

ZNS on 6090 kcs. is heard with transcribed music and weather report at 8:00 p.m. They faded badly during the summer but are now heard with a very nice R8-9 signal. (Riedel—Ind., Boyd—Ont., Woolacott—N. Y.)

## Belgian Congo

OPM on 10140 kcs. at Leopoldville is heard from 1:55 to 2:48 with programs in French. They announce as "Radio Leopoldville" and "Ici Congo Belge". (Meyers—Ill., Waite—N. Y., Stephens—Ky.)

## Bermuda

ZFB on 10055 kcs. at St. George is heard calling WNB mornings. (Wells—Ont.)

## Brazil

PSE on 14935 kcs. was heard calling WLK at 7 p.m. (Wells—Ont.)

PSH on 10220 kcs. still maintaining the same schedule shown last month. (Meyers—Ill., Woolacott—N. Y., McMahon—N. Y.)



**Bolivia**

CP-43 on 15165 kcs. "Radio Tupiza" can be addressed Casilla de Correos 13, Tupiza, Rep. of Bolivia. This is taken from a verification card confirming reception of September 28. (Waite—N. Y.)

**Burma**

XYZ on 6007 kcs. at Rangoon heard with good signals from 6:45-7:00 a.m. until HP5K and CFCX come on the air. Opening announcement in English followed by native program. (Skyten—Mass.)

**Canada**

CJCX on 6101 kcs. is heard near 3:00 p.m. with fair signal and slight QRM from CFCX. (McMahon—N. Y.)

**Chile**

CB-960 is Santiago is being heard R-9 plus on 9600 kcs. late Saturday evenings. (Laudansky—Mass.)

CB-1174 on 11740 kcs. was heard with a weak signal and Spanish news at 7:15 p.m. (Benkley—Texas)

**China**

XGOK on 11650 kcs. at Canton, China was heard from 9:00 a.m. with R5 signal. (Meyers—Ill.)

XGOY on 9500 kcs. at Chungking heard 3:15 p.m. with news in Chinese by a lady announcer. Strong signal with some interference from OFD and XEWW. XGOY broadcasts from 2-4:20 p.m. to Asia. (Skyten—Mass.)

XGOY on 9720 kcs. is a new frequency heard at 8:00 a.m. with a fair signal in parallel with XGOY on 11895 kcs. (Skyten—Mass.)

XGOY on 11895 kcs. at Chungking was heard from 6:10-6:50 p.m. with news in English at 6:30 p.m. Signal only fair. (Skyten—Mass., Meyers—Ill., Kempton—Mass., Waite—N. Y.)

XPSA on 8470 kcs. at Kweichow is heard mornings with good signal until around 7:30 a.m. when they fade out. Programs are in Chinese. (Skyten—Mass.)

**Colombia**

HJB on 14930 kcs. at Bogota was heard testing on Sunday at 5 p.m.

(Wells—Ont.)

HJCD on 6160 kcs. at Neuva Granada is usually operating simultaneously and carrying the same program as HJDE on 6148 kcs. This makes them easy to identify as they are side by side on the dial. HJDE in Medellin has somewhat the edge in signal strength, but has more QRM and less quality than HJCD. (Benkley—Texas, Riedel—Ind., Kane—Penna.)

HJCT on 9630 kcs. usually overrides 2RO-3 and is heard with a good signal after the Italian stations signs off. HJCT signs off at 11:30 p.m. Verification is plain back and white card. (Benkley—Texas, Laudansky—Mass., Boyd—Ont.)

HJFB on 6105 kcs. at Manizales heard on a Sunday night at 9:30 p.m. (Laudansky—Mass.)

**Costa Rica**

TIX on 5830 kcs. can easily be identified by the cuckoo clock which strikes on the hour. (Kane—Penna.)

TI-4NRH on the air from 9-10 p.m. on Tuesdays, Thursdays, and Saturdays. Send 10c in U. S. currency (no IRC's) for verification which is a diploma in red, white, and blue. (Benkley—Texas, Laudansky—Mass., Boyd—Ont., McMahon—N. Y., Kastner—Texas, Meyer—Ill.)

**Cuba**

COBC on 9375 kcs. has a program of popular music and swing records from 9:30-10:00 p.m. on Sundays. (Laudansky—Mass., Meyers—Ill.)

COCD on 6132 kcs. is still on this frequency. It relays CMCD on 630 kcs. There are English announcements occasionally, and the signal is R9. (Laudansky—Mass.)

COCW on 6330 kcs. relays the programs of CMW and sometimes is heard rebroadcasting programs originating at TGW in Guatamala. (Kane—Penna., Kastner—Texas)

COCY on 11460 kcs. now, having just shifted to that frequency and is daily from 6:45-1:00 a.m. (RX)

**Dominican Republic**

HI-1S in Santiago should be 6520 kcs. and not 6430 kcs. (Riedel—Ind.)

HI-1Z on 6310 kcs. at Trujillo City signs off the air at 10:10 p.m. (Stephenson—Okla.)

HI-4V on 6220 kcs. at San Francisco de Macoris is being heard from 8:30 p.m. until sign off at 8:51 p.m. Popular records are played and the signal is very weak. (Laudansky—Mass.)

#### **Ecuador**

HCJB on 11535 kcs. and 12460 kcs. is still the most often reported station in Ecuador. Their signal on both frequencies is very strong as all reports attest. Schedule is same as listed in last RADEX. (Meyer—Ill., Woolacott—N. Y., Cadourath—Man., Laudansky—Mass., McKenzie—Ind.)

HC2AJ on approximately 9105 kcs. in Guyaquil is a new station relaying the standard broadcast stations HC2AK. No slogan or identification signal was heard. They signed at 11 p.m. in English with the Ecuador National Anthem. (Stephenson—Okla.)

#### **Egypt**

SUX on 7865 kcs. at Cairo heard as early as 2:00 p.m. until sign off at 3:30 p.m. with a program in Arabic. They sign off with a march. No English announcements! (Skyten—Mass.)

#### **Finland**

OFD on 9500 kcs. at Lahti was heard from 6:15-7:15 p.m. with a strong signal, at times over-riding XEWW. News in English at 6:15 p.m. and in French at 6:30 p.m. and in German at 6:45 p.m. Interval signal is a music box tune, repeated. English announcements are usually by a lady announcer. (Skyten—Mass.)

#### **France**

"Station Y" is the German call for the former "Paris Mondial" on 15245 kcs. The station comes on the air at 7:00 a.m. and is heard throughout the day. Identification signal is the ticking of a clock or metronome. (Stevens—Ky., Stephenson—Okla., Meyers—Ill., Woolacott—N. Y., McMahon—N. Y., Long—Ga.)

#### **French Equatorial Africa**

"Radio Brazzaville" on 11970 kcs. at Brazzaville is being heard daily with a very strong signal (often R9) from 1-1:30 a.m. and 3:30-4:15 p.m. with programs in French. Announcements are "Ici Radio Brazzaville" repeated three times by a man. "Radio Brazzaville" supports General De Gaulle and Free France! (Skyten—Mass., Stephenson—Okla., Boyd—Ont., Riedel—Ind., Waite—N. Y., McMahon—N. Y.)

#### **French Indo China**

"Radio Saigon" on 6190 kcs. is a new station heard mornings with a strong signal, operating in parallel with "Radio Saigon" on 11780 kcs. The station announces merely as "Radio Saigon" on 11780 kcs. with no mention being made of the 6190 kcs. station. (Skyten—Mass., Meyers—Ill.) Veri from "Radio Saigon" is a white card with red border. Message is in black and the slogan is in large red letters. A native girl in costume is pictured in the center of card. (Stevens—Ky., Riedel—Ind.)

#### **French Morocco**

"Radio Maroc" on 11940 kcs. at Rabat is being heard again with strong signals from noon to 4:00 p.m. and mornings until 8:00 a.m. with programs in French. Interval signal is three chimes like N.B.C. and they announce "Ici Radio Maroc". (Skyten—Mass., Waite—N. Y.)

#### **French West Africa**

"Radio Dakar" on 9395 kcs. at Dakar, Senegal is being heard with good signals from 3:15-4:15 p.m. or later. Programs are in French. News in English at 4 p.m. on Tuesday and Friday only. Announces as "Allo, Allo, Ici Radio Dakar". Opens programs with a march and signs off with the "Marseillaise", French National Anthem. "Radio Dakar" supports the Vichy government of France. (Skyten—Mass., Waite—N. Y., Laudansky—Mass., Stevens—Ky.)

#### **Germany**

Latest official schedule of broad-

casts to North America:

DJB from 6-9 a.m., 11:30 a.m. to 11:45 a.m., 12:30-12:45 p.m., and 1:30-1:45 p.m.

DJD on 11770 kcs. from 4:50-11 p.m.

DJC on 6020 kcs. from 9:15 p.m. to 1:00 a.m.

DJZ on 11800 kcs. from 3:30-4 p.m.

DZD on 10540 kcs. from 4:30-4:45 p.m., 5:30-5:45 p.m., and 6:15-11 p.m.

Reports of actual reception:

DJC on 6020 kcs. is being heard from 7-11 p.m. directed to North America. They are also on in the afternoon until 4:25 with news in English at 4:15 p.m. (DJC also broadcasts from 9:15 p.m. until about 1:00 a.m. (Skyten—Mass., Meyers—Ill., Kane—Penna.)

DJI on 7290 kcs. was heard with German programs at 8:00 p.m. (Edward Laudansky—Mass.)

DJW on 9659 kcs. has been heard around 7:00 a.m. with news in English. DJW was operating in parallel with DJQ on 15280 kcs. directed to East Asia. (Skyten—Mass.)

DJZ on 11800 kcs. and DXM on 7270 kcs. are heard from 3:30-4 p.m. with news in English and in French at 3:45 p.m. beamed to North America. (Skyten—Mass.)

DXD on 10543 kcs. and DXM on 7270 kcs. have been heard between 4:30-5:15 p.m. (Skyten—Mass.)

DZB on 10560 kcs. is not being heard at present. . . . DZC on 10290 kcs. is broadcasting programs to South and Central America. Signal was R8.

DZD on 10543 kcs. is on the air all evening (Laudansky—Mass., Stevens—Okla.)

DZE on 12130 kcs. is a new station being heard around 7:00 a.m. with program to Central America and afternoons from noon to 4 p.m. in French and other languages. (Skyten—Mass.)

DZH on 14460 kcs. was heard at 8 p.m. (Meyers—Ill.)

Thanks go to Vincent C. Stasen, for a copy of the official German

schedule reprinted above.

### Great Britain

BBC News broadcasts are heard at 1:15 a.m., 3:00 a.m., 6:30 a.m., 8:00 a.m., 11:00 a.m., 1:00 p.m., 3:50 p.m., 4:45 p.m., 6:30 p.m., 8 p.m., 9:30 p.m., and 11:30 p.m. (Stasen—Penna.)

BBC Home Service Station on 6145 kcs. in London broadcasts from 1:00 a.m. to 6:20 p.m. They are heard in the afternoon until sign off with a strong signal. News in English at 6:00 p.m. This station usually has separate programs from the other London shortwave stations. Sign off is at 6:20 p.m. with "God Save Thy King". (Skyten—Mass.)

GRY on 9600 kcs. at Daventry was heard from 2:30-5:25 p.m. broadcasting to Africa. News was at 3:45 p.m. (Skyten—Mass.)

GSC, GSD, and GSN broadcast continuously from 5:42 to 11:35 p.m. for North America, with GSL joining the others at 9:45 p.m. (Benkley—Texas)

### Guadeloupe

FG8AH on 7440 kcs. at Pointe-a-Pitre is heard with a strong signal nightly from 6:30-7 p.m., when they have a talk in English. Program starts a half hour earlier at 6:00 p.m. but first part is in French. (Wells—Ont., Boyd—Ont., McMahan—N. Y., Meyers—Ill., Laudansky—Mass.)

### Guatemala

TGWA on 9680 kcs. was heard coming on at 10:00 p.m. on Monday with good signals. They announced as broadcasting simultaneously with TGW, TGWB, and TGWC. At this time TGWA and TGWC were about the same, while TGWB was only fair in signal strength. Every Monday night the First Military Band of Guatemala is featured on the program. (McMahon—N. Y.)

TGWA on 15170 kcs. has a program of marimba music from 1:00-1:30 p.m. on Sundays with English and Spanish announcements. (Laudansky—Mass., Meyers—Ill.)

TGWA's announcer is Robert Jordan who also signs the verifications. Mr. Jordan appreciates reports on the

quality of his announcing, and he specifically asked me for such a report on the TGWA veri. Mr. Jordan informs that TGWA now uses a "new interchangeable and multi-directional antennas." (Kane—Texas)

#### Haiti

HH2S in Port-au-Prince has been reported by three different readers on three separate channels. On 5940 kcs., on 5960 kcs., and on 5925 kcs. (McMahon—N. Y., Laudansky—Mass., Kastner—Texas)

HH3W on 9890 kcs. in Port-au-Prince is being heard nightly until 9:30 p.m. They have a tourist program in English every Monday from 8:45 to 9:00 p.m. (Laudansky—Mass., Boyd—Ont., Woolcott—N. Y., Meyers—Ill., McMahon—N. Y.)

#### Hungary

HAS-3 on 15370 kcs. at Budapest was heard at 9:00 a.m. on a Sunday with a musical program and English announcements. Verification is the same card as HAT-4 except for the call. (Riedel—Ind.)

HAT-4 on 9125 kcs. comes on the air at 7:30 p.m. and goes off at 9:00 p.m. Just before coming on a faint tune is played over and over on the piano. They have news in Hungarian at 7:35 p.m. and news in English at 7:48 p.m. A woman usually reads the Hungarian news and a man does the English newscasting. The signal continues to improved until it is very good by sign off time. (McMahon—N. Y., Woolcott—N. Y., Long—Ga., Kane—Penna., Meyers—Ill.)

#### India

Completely revised list of stations of All India Radio:

- VUD-2 Delhi 7290 kcs. 10 kw.
- VUD-2 Delhi 9590 kcs. 10 kw.
- VUD-2 Delhi 4960 kcs. 10 kw.
- VUD-3 Delhi 15290 kcs. 5 kw.
- VUD-4 New Delhi 11830 kcs. 10 kw.
- VUB-2 Bombay 7240 kcs. 10 kw.
- VUB-2 Bombay 9550 kcs. 10 kw.
- VUB-2 Bombay 4880 kcs. 10 kw.
- VUM-2 Madras 7270 kcs. 10 kw.
- VUM-2 Madras 9570 kcs. 10 kw.

VUM-2 Madras 490 kcs. 0 k21w.

VUC-2 Calcutta 7210 kcs. 10 kw.

VUC-2 Calcutta 9530 kcs. 10 kw.

VUC-2 Calcutta 4840 kcs. 10 kw.

VUD-4 is an experimental station and VUM it will be noticed, no longer broadcasts on the 25 meter band. (Riedel—Ind.)

VUD-2 on 9590 kcs. was heard with an English program at 2:15 a.m. and was heard as late as 1:30 p.m. at which time they signed off. (Laudansky—Mass.)

VUD-3 on 15290 kcs. has been heard here at 9:30 p.m. (Stevens—Ky.)

VUD-4 on 11830 kcs. in New Delhi is a new experimental station and this and not VUM-2 is the station being heard on this channel. Schedule is irregular, but VUD-4 is usually used in parallel with some other All India Radio station. (Riedel—Ind., Webb—Texas, Knouff—Ohio, Kempton—Mass.)

"Radio Eirean" on 6190 kcs. at Athlone broadcasts 3:45-5:10 p.m. daily. Time signal at 4:00 p.m. and news in English at 4:15 p.m. (Skyten—Mass.)

"Radio Eirean" on 17840 kcs. heard around noon quite irregularly lately. Power used is 1.5 kw. and reports are desired sent to Station EIRE c/o T. J. Monaghan, Engineer In Chief, Dublin, Ireland. (Borcherdt—Wis.)

#### Italy

IQY on 11700 kcs. was heard relaying the American Hour in parallel with I2RO-15 on 11760 kcs. (Laudansky—Mass., McMahon—N. Y.)

IRF on 9830 kcs. has been heard in the afternoon in parallel with IQY. IRF also heard relaying broadcasts to New York. (McMahon—N. Y., Riedel—Ind., Meyers—Ill.)

IRW on 19650 kcs. at Rome is being heard from about 6:00 a.m. or earlier until about 10:00 a.m. with very good signals. News in English at 8:30 a.m. (Skyten—Mass.)

I2RO-11 on 7220 kcs. has been heard as early as 2:00 p.m. and until

6 p.m. News in English is at 5:30 p.m. (Skyten—Mass.)

### Japan

JLG-4 on 15105 kcs. in Tokio is heard nightly with a program to North America from 8-9 p.m. broadcasting in parallel with a station on 11815 kcs. reported as JZG, JVZ, JZV, and JZZ! The latter station is pretty well messed up by JZRO-4, but JLG-4 is heard very well. (Skyten—Mass., Boyd—Ont., Waite—N. Y., Meyers—Ill., Long—Ga., Woolacott—N. Y., Kane—Penna.)

JLG-2 on 9505 kcs. in Tokyo broadcasts to Europe from 2-4 p.m. daily when JZI is not used in parallel with JVW on 7257 kcs., or JLG on 7285 kcs. These frequency changes may be only temporary according to announcement. (Skyten—Mass.)

JLS-2 on 17845 kcs. at Tokyo is no longer listed in the schedule but have been heard occasionally on 8-9 p.m. transmission. (Riedel—Ind., Laudansky—Mass., Boyd—Ont.)

JVT on 6750 kcs. at Nabaki was heard phoning KWWY at 1:30 a.m. (Wells—Ont.)

JVW-3 on 11725 kcs. has been heard from 7-7:30 a.m. with musical program. (Kempton—Mass., Meyers—Ill.)

JZG on 11815 kcs. replacing JZJ was heard from 7-9:30 a.m. with JZI directed to China and South Seas. News in English at 7:30 a.m. (Skyten—Mass.)

JZI on 9535 kcs. is heard from 7-9:30 a.m. in parallel with JZG. JZI is also heard at midnight to 1:00 a.m. (Stevens—Ky., Webb—Texas)

JZJ on 11800 kcs. is being dropped from many parts of the schedule but is reported heard at 1:25 a.m. (Kastner—Texas, Meyers—Ill., Scholz—Mo., Knouff—Ohio)

JZK on 15160 kcs. logged with a fair signal at 5:30 p.m. (McMahon—N. Y.)

### Java

PLA on 19460 kcs., "A for Aircraft" at Batavia is being heard from 7:00-8:15 a.m. with broadcast in English. News in English at 7:45 a.m. Announce as "This Is The Netherlands Calling, from the Netherlands East Indies over station PLA". PLA comes on the air with a music box tune repeated until the program starts at 7:15 a.m. with a march. They sign off with the National Anthem. Signal varies from weak to R7. (Skyten—Mass.)

PMH on 6720 kcs. at Bandoeng is undoubtedly off the air as it hasn't been heard on the morning broadcast (Skyten—Mass.)

PMN on 10260 kcs., PLP on 11000 kcs., YDC on 15150 kcs., at Bandoeng are heard nightly coming on the air at 5:30 p.m. (Skyten—Mass.)

YDA on 3040 kcs. at Batavia was heard with a weak signal at 6:00 a.m. in parallel with PLP on 11000 kcs. and PMN on 10260 kcs. (Skyten—Mass.)

### Manchukuo

MTCY on 11775 kcs. heard from 1:30-2:30 a.m. with weak and irregular signals. Reports are welcomed. They have news in English, Russian, Japanese, Manchou, and Mongolian. Verification card is maroon and white in the form of a greeting card. Address: 601 Daido Taigai, Hsinking, Manchukuo. (Borcherdt—Wis., Meyers—Ill.)

### Mexico

XBHX on 10055 kcs. is operated by the Mexican National Bank. They are usually heard between 5 and 6:30 p.m. and are testing for determining the possibility of establishing a phone circuit from Mexico to New York. For address see "Not So Short Waves". (Wells—Ont., McMahon—N. Y., Laudansky—Mass., Meyers—Ill., Boyd—Ont., Webb—Texas)

(Please turn to page 38)

# Radexing with the Radexers

By RAY La Rocque

Readers living in the Eastern and Central Standard Time Zones may send their report direct to  
**Ray LaRocque**  
**105 Highland St.,**  
**Worcester, Mass.**  
*(Please use EST in reports)*

Seasonal greetings are in order for our readers, and reminiscing a little your Radexer in Chief cannot help but feel extremely grateful for all the assistance lent him each month by the swell bunch that comprises our Radex group! In the same breath we'd like to spur all our readers on to one of the prizes in the RADEX contest. We've asked readers to keep us posted on their scores and so far in the broadcast band division, Ed Laudansky's 104 looks mighty big in comparison to the other entries received. Lets have more scores next month!

Now for our own Supremacy competition. The leaders in the Supreme Division are walking away from the rest of the group; how about a little spurt by some of the second division entries!

**SUPREME SUPREMACY:** For the total number of stations verified:

Becker—Ohio	.....1350
Botzum—Penna.	.....1210
Forestieri—N. Y.	.....1028
Horton—Mass.	..... 981
Barnes—Ill.	..... 968

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

Richards—Ill.	....18 mo. 324
Landry—P. Q.	....15 mo. 283
Metcalf—Ohio	....10 mo. 262
F. Lee—N. J.	....22 mo. 262
Grannis—Calif.	....17 mo. 244

## OLD TIMER'S SUPREMACY:

For the oldest dated verifications:

Podall—Vt.	.....Nov. 1916
Barnhart—Pa.	.....Feb. 1923
Jordan—Pa.	.....Aug. 1924
Cause—Pa.	.....Mar. 1925
Stasen—Pa.	.....Nov. 1936

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

Reichardt—Mass.	.....55
Botzum—Pa.	.....39
Jordan—Penna.	.....32
Lippincott—Me.	.....27
Becker—Ohio	.....27

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

Botzum—Penna.	.....41
Becker—Ohio	.....40
Walker—W. Va.	.....29
Barnes—Ill.	.....22
Borcherdt—Wisc.	.....17

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

Botzum—Penna.	.....81
Becker—Ohio	.....77
Hawkins—N. H.	.....77
Barnes—Ill.	.....73
Daneker—Penna.	.....72

Comments: Mustoe is automatically out of the Beginner's listing as he passes the two year mark. . . . The Old Timer's division is being dominated by Pennsylvanians. Did all old time DXers reside in the Keystone state? Competition seems to be keenest in the North American Division where only nine points separate the leader from fifth place!

## THIS 'N' DATA

The list of readers pleading for Radex Club buttons, stationery, and seals grows and grows. We're sorry

we didn't try to tabulate them this month, but we're sure there were no less than fifteen new requests. Lets take a survey on it for next issue. Whether you have previously voiced your sentiments or not write again so that in the next issue we can offer a complete list of readers in favor of the plan! . . . . One Radex reader wanted a button so badly he suggests that other readers do as he did. A pre-election political button well scraped is all that is needed. On a piece of paper RADEX Club and the club number was typed and the paper glued to the button!

WIBG in Glenside, Penna. has just been granted permission to boost its power from 100- to 1000 watts. It's a far cry from the days when western and mid-western DXers used to try for this station when it pushed but 10 watts into its antenna! . . . . And WEXL goes to 250 watts now from 50 watts, leaving but two 50 watters in this country! . . . . There's a story behind the grant to WGAN for a change in frequency to 560 kcs. and an increase to 5 Kw. It seems that there were two other Maine applicants for this frequency which has been awarded to Newfoundland in the North American Agreement. However, 640 kcs. (the former frequency of WGAN) is also awarded to Newfoundland and is at present in use by VONF, the country's only powerful ovice. The Newfoundland government was willing to relinquish all claims to 560 kcs., if the FCC would remove WGAN from 640 kcs. where it was a source of interference to VONF! . . . . KHBUD are the call letters awarded to Buddy Rogers (movie actor) for his station aboard his private plane!

Although it hasn't appeared in the FCC changes yet, WNBX is now WKNE is Keene, N. H. . . . KGLO changes from 1210 to 1270 kcs. and jumps its power to 1000 watts and both KGCA and KWLC are deleted, the former station acquiring the facilities of the two Decorah stations. . . . Sign on and off times of St.

Louis stations as offered by Walter V. Scholz of Webster Groves, Mo: KSD on at 6:30 a.m., off at 1:00 a.m.; WVEW on at 6 a.m. and off at 8 p.m.; KFUE on at 8 a.m. and off at 8 p.m.; KMOX on at 6:30 a.m. and off at 2:00 a.m., WIL on at 8:00 a.m., and off at 4:30 a.m.; KXOK on at 7:00 a.m., and off at 1:10 a.m.; KWK on at 7:00 a.m. and off at 1:30 a.m.; WTMV on at 7:00 a.m. and off at 1:05 a.m. These do not apply for Sunday when most schedules are shortened a few hours.

CHSJ is now using 1000 watts and verification show a map of North and South America while the opposite side shows a picture of "Studio A"! This is from Bob and Bill Camp of Moosic, Penna. . . . . And Frank Gravely, of Martinsville, Ky. informs that the Tri-City Network of WBTM, WLVA, and WSLS have joined Mutual. . . . . Joe Becker has some sort of a record. He heard WPHK on its first frequency check program in December 1934, and has missed only three such tests since that date. WPHK has had 72 frequency check programs since its beginning!

XEW, XELO, CMW, CHNS, and LRA are stations which have failed to verify for Hal Robie, 30 Merritt St., Springfield, Mass. Hal would like information from those who have replies from these stations! . . . . WPHO wishes to advise that there is no Robert Donahue connected with their staff, says Hal. . . . Just as a sample of how co-operative Radexers are, we repeat part of Hal Robie's letter in which he states that Milton Benson phoned him from South Hadley to tell him that he had been able to hear TGQ between 1:30-2:00 one morning. This in answer to a query on when to tune the station by Hal last issue. Erick R. Johnson also assisted Hal on another of his queries regarding WPAB.

A list of small networks with stations is sought by Frank Gravely, 201 Starling Ave., Martinsville, Ky. We cannot supply anything of this nature. Anyone know where such a

list is available? . . . L. A. Stracener, P. O. Box 1262, Baton Rouge, La. dishes out a few answers to queries previously published in this section. First for Western Richards: The Louisiana Network has WNOE, WJBO, KALB, KVOL, KPLC, KMLB and KRMD. For John D. Long: WCLJ will be the call for the new station in Dalton, Ga. For Moe Luff: KALB stands for Know Alexandria Louisiana Better, KMLB for Know Monroe Louisiana Better, WPLC for Port Lake Charles, and WNOE for its owner's name ex-Senator James Noe. For Vernon Lee Gibbs: CBK in Watrous does verify, but the verie is sent from the Canadian Broadcasting Corp. in Winnipeg. CBK is their Prairie Regional Station.

More small network stuff: WCHS, WSAZ, WPAR and WBLK comprise the West Virginia Network and KFAB, KOIL, and KFOR make up the Central States Broadcasting System. This we have on the authority of Jim Palmer of Winnetka, Ill. . . . Can anyone tell Frank Susoreny, Box 312, E. Chicago, Ind. when and how to log a Delaware station? At the same time you might inform him regarding the Spanish speaking station behind WGN evenings!

#### PERSONAL—ITIES

Leon Grossman (R1330) of Rochester, N. Y. writes popular tunes. His latest composition "Just On The Spur Of The Moment" was recently featured by Gene Leonard and his orchestra. . . . Joe Becker is having

(R1806) and myself have been DXing 3½ months. I have 75 verifications, a picnic for himself at the head of the Supreme Supremacy. Wonder whether anyone can really catch him? Funny or odd part of it is that he has heard 1362 stations which means that he has verified all but twelve of his catches! . . . Walter V. Schozl of Webster Groves, Mo. recently took part in the gala Network News Radio Club program over WCKY. Walter got on the air at 3:35 and the folks back home report that he did a swell job. The whole gang proceeded, after the all night party, to the home of George Jacobs (another Radexer) for breakfast. Editors Note: If you like these personal items, let us know and send us the dirt on your DXing friends and correspondents!

P. O. BOX R9

MATTAPAN, MASS. — Walter Chopek, 97 Greefield Rd; "I have a small printing press that is operated by hand which I would like to trade for SWL cards. Type is included with press. It prints cards about 2 x 3¼ inches in size." (In answer to your other question, unused foreign stamps for return postage can be purchased from RETURN POSTAGE BUREAU, 85 Francisco Ave., Rutherford, N. J.—RL)

BATON ROUGE, LA.—L. A. Stracener, P. O. Box 1262: "If anybody can give me any information on TP, Central or South American shortwave stations, I would certainly appreciate it."

HAMILTON, OHIO—Joe Becker, Sr., 415 South 11th Street: "So far no U. S. A. station has refused me a verification, but the Spanish speaking stations are different. No reply from TIXD, YSS, XEBP, XEAI to whom I have sent several reports and dime!"

UPPER DARBY, PENNA.—George Wetherill, Jr. (R1805) 247 So. Carol Blvd: "Nat Boonin



*Nicola Cannata, well known successful Chicago DXer.*



while Nat has 95. . . . My first verification was WNEW, heard in the daytime and I thought it was quite a catch, but I've found out differently since. Nat's first veri came from WCKY. We are members of the Junior Academy of Science."

WESTERLY, R. I.—Chester Stedman (R1910), 19 Summer Street: "I have been DXing for the past two years and have found RADEX has helped me very much. Phil Potter, a friend of mine in Washington, R. I. is quite active in your club and I should like to become a member of your club as soon as possible. I have 186 stations in my log—most of them on the broadcast band."

MILWAUKEE, WISCONSIN — Fred R. Borchardt, 5103 N. Sherman Blvd: "A few days ago I purchased a copy of RADEX for the first time. I want to sincerely say that I think it is better than all the other radio magazines put together. Although I have been DXing for over two years, I have never joined any radio club—I have been what you might call a "Free Lancer." I am sure I could help you and the RADEX Club members, so I would like to join the club."

LAKEWOOD, OHIO—Bill Gabriel, Jr. 1471 Arthur Ave.: "I wonder if anyone can give me some dope on how to get veries from KWOC, KUTA, and WWL. I have tried several times."

PORT RICHMOND, N. Y.—Peter A. Clarius, 11 Marianne Street: "The World DX Alliance is celebrating its second anniversary this season and DX programs are expected as a result. Bulletins for club members are issued on the 1st and 15th of each month. Bob Skyten is Short Wave Editor, Erick R. Johnson is broadcast band Editor and yours truly is Courtesy Programs Committee chairman."

POWHATAN POINT, OHIO — John K. Higbee, Box 267: "If I may make a suggestion, I would like for

the next issue of RADEX a complete list of North American broadcast stations by frequencies with the sign-on and sign off times of the stations. I am now using a HALLICRAFTERS Skyrider Defiant SX-24."

MARTINSVILLE, KY. — Frank Gravely, 201 Sterling Ave: "My United States log stands at 376 in all but six states. I have 9 Canadian, 5 Mexican, 5 Cuban, plus one in Nassau and in Guatamala. My verifications number 37. I use an 11 tube model 120 PHILCO superhet."

MOOSIC, PENNA.—Bob and Bill Camp, 1042 Water Street: "We will try to send regular reports on reception in this part of Pennsylvania. Our receiver is a HALLICRAFTERS SX-24 using nine tubes. Antenna is a doublet 40 ft. high and 60 ft. long, direction of which is North by South. Transposed feeders are 45 feet in length. We would like to hear from members, especially those who use the SX-24."

BROOKLYN, N. Y.—Israel Zeid (R1826), 266 Montauk Ave: "Call it a coincidence if you like but one week after purchasing a copy of RADEX, published in Emerson, N. J., I bought an Emerson radio. I'm looking forward to the best DX season I've ever had."

## COVERING THE CONTINENTS

### Domestic Dialings

"K" Calls In The West: KHAS, our new station here in Hastings, Nebraska, is now on the air with 250 watts. They operate from 6:30 a.m. to 10 p.m. daily and until midnight on Saturday. Since 1927 when KFKX left this city, we have been without a broadcasting station. (Clarence A. Overhiser, Hastings, Nebr.)

KPO, KDYL, KFAC and KFVD all advise that they will verify reports for return postage. (Fred Borchardt, R1856, Milwaukee, Wisc.)

KNX on 1050 kcs., "The Voice Of Hollywood," is heard evenings, with as strong as R7 signal as soon as CBA signs off. Their verification has a photograph of the studios and one of the transmitter buildings. (Roy Woolcott, R1566, Rochester, N. Y.)

KENO in Las Vegas, Nevada is a nice target for those who have yet to log this state. They can be heard here almost any morning with a very good signal. They were first heard with a regular broadcast on the morning of November 2nd at 2:15 a.m. Of course this would be the night of November 1st in Nevada. In their verification letter they state they were very happy to learn that their station was heard in Massachusetts on its first day of commercial broadcasting. Address is KENO, P. O. Box 1696, Las Vegas, Nebr. Verification is signed by L. B. Kelch. . . . KFVD verified with a nice card signed by Frank Burke who commented on my QSL card. . . . KOAM was heard signing on the air at 6:00 a.m. Verification is postal card with large black letters. . . . KHBG verifies with an attractive card showing call letters in red, printed over a blue map of the Western Hemisphere.

KRBM in Bozeman, Mont. was heard on Sunday morning with the Montana Boosters program. Signal is much weaker than that of KGIR, which also carries the program. A copper buffalo and a few other souvenirs are sent to each reporter. . . . KASA was heard testing October 10th. . . . KPRC was heard and verified on test of October 25. . . . (Hal Robie, R1691, Springfield, Mass.)

KXOK has switched to 630 kcs. from 1250 kcs. They now use 5 kw. full time. WGBF is now on 1250 kcs. and KFRU is on 1370 kcs. (Walter V. Scholz, Webster Groves, Mo.) . . . Since the exchange in frequencies between KXOK and WGBF, KXOK has improved from about R3 to an R7 signal, while WGBF has gone down from an R7 to an R4 signal in

daytime. (Dawson Y. Davis, R1834, Indianapolis, Ind.)

KITE carries all commercial programs of the Mutual Broadcasting System after WHB signs off at sundown. . . . KCKN also carries some of Mutual's programs at night, but not to any great extent. (Page Brent, R372, Kansas City, Mo.)

KERN stands for Kern County, Bakersfield being the county seat. (Eugene Francis, R2001, Bronx, N. Y.)

KOB in Albuquerque signs off at 1:15 a.m. . . . KYW will soon join the ever expanding ranks of the 50 kilowatters. It has been signing off at midnighgt (earlier than usual) while new equipment is being installed in the early morning hours. . . . On logging a station on 1260 kcs. I heard the first, third, and fourth letters of the call which were K-OA. Lo and behold there are two stations on that channel with those same letters. Why does the FCC do these things to us DXers? Norman H. Kane, Jr., R1911, Drexel Hill, Penna.

KFUO's DX programs conducted several times each season are worth reporting. On each program some sort of interesting souvenir is awarded every DXer forwarding a correct report. (RL—Mass.)

KNX's verifications shows their transmitter (very modern and pretty) which is at Columbia Park, 22 miles South of Columbia Square where the studios are located. The latter are also shown on the card. (L. A. Stracener, Baton Rouge, La.)

KUOA now signs on at 5:00 a.m. every morning. . . . KPRC has a frequency check program on the last Friday of each month. . . . KERN has been heard on its new frequency of 1380 kcs. . . . KAND, KNET, and KSAM, all of which are supposedly deleted, were heard on the October or November frequency checks. . . . KERN, KMPC, KFI, KFVD,

KFWD, KHJ, KNX, KRFD, KLS, KFBK, KGO, KPO, KYA, KEX, KWJJ, KFPY, KHQ, and CBR are West coast stations heard here quite regularly. (Jim Palmer, RI201, Winnetka, Ill.)

"W" Calls In The East: WKPA, New Kensington, Penna. replies quickly to letters. They operate daytime only on 1120 kcs. with 250 watts. C. R. Cooper signs the replies. (Roland Bruson, Mansfield, Ohio)

WSFA joins the N. B. C. on September 30. . . . WPIC was heard testing its new 1000 watt transmitter on November 2 at 4:15 a.m. . . . WAKR joined the N. B. C. Blue network on October 18. . . . WIBG is now using 1000 watts, their card being signed by H. Henninger, The Chief Engineer. . . . These stations recently joined the Mutual Network: WSGN, WJBY, KEUB, KLO, KOVO, WGH, WDAK, and KFJI. (Stanwood R. Morss, RI049, Bradford, Mass.)

WIBA on 1280 kcs. and with 5000 watts sends a most attractive letter picturing in the background an airplane writing the call letters in the sky. . . . WOBJ uses 5000 watts by day and 1000 watts by night. . . . WNOX verifies by letter. . . . WKST of New Castle, Penna. operates on a regional channel of 1250 kcs. from 7 a.m. to local sunset. . . . WLW operates from 2:15-3:15 a.m. daily with 50 kw. power for the transmission of experimental facsimile programs. . . . WIRE verifies by sending a penny post card with call letters and information on the back. (Charles Adams, Jr., RI784, Philadelphia, Penna.)

WRNL just began full time operation with their new 1000 watt Western Electric transmitter. The new plant is of the latest type and the station is putting out a very strong signal, especially in the southwest. They are on the air from 6:00 a.m. to 1:00 a.m. . . . WMBG has begun

operations with their new 5000 watt directional transmitter during daylight hours, 1000 watts at night on 1350 kcs. Their daily schedule is 7:00 a.m. to 1:00 a.m., with the schedule starting an hour later on Sunday. They are an NBC Red network station and their strongest signal is toward the South. . . . WRVA, 50000 watts directional on 1110 kcs. operates daily from 6:00 a.m. until 1:00 a.m. with C. B. S. and Mutual programs. Their strongest signal is toward the Northwest. . . . WBBL on 1210 kcs. with 100 watts operates Sundays only from 10:45 a.m. until 12:15 p.m., and from 7:45-9:15 p.m. They carry only Church services. . . . WRTD's discontinuing of broadcast activities is due to merging of the Richmond News Leader (owners of WRNL) and the Richmond Times Dispatch (owners of WRTD). . . . WPID on 1210 kcs., 250 watts in Petersburg, Va. operates from 6:30 a.m. until 11 p.m. daily except Sunday when sharing with WBBL, they operate from 1:30-5:30 p.m. only. (James R. L. Fitzgerald, Richmond, Va.)

WOCB was heard here on October 25 with a weak signal! I noticed that Alton Caldwell also reported this station on the cape as having a weak signal. I received a nice letter of verification from the chief engineer Rodney A. Merrill in which he stated that it was quite interesting to receive such a nice report as the one I sent considering that their power is only 250 watts. . . . WREC in Memphis is testing in the early morning from their new studios in the Hotel Peabody according to a letter verification signed by Mildred Hughes. . . . WFHR was heard testing on November 1. They signed off at 3:35 a.m. with request for reports. . . . WFNC was heard testing on November 13th at 1:30 a.m. Announcer asked a number of times for reports from DXers. . . . WNEL verified my reception with a very attractive card showing a view of "El Morro" built

at San Juan in 1540. (Hal Robie, R1691, Springfield, Mass.)

WTSP in St. Petersburg is listed as no information available in RADEX. You can list them among the stations that verify as they verified my report with a letter, signed by Garvin Combs, Chief Engineer. . . . WCKY's schedule is from 5:45 a.m. to 2:00 daily and from 8:00 a.m.

WCAU is preparing to install a new \$100,000 transmitter of 50 kw. . . . This station has just added an hour to its broadcast day, schedule now being from 5:00 a.m. to 2:00 a.m. (RX)

WLAW is now at 5000 watt station in Lawrence, Mass., and operating unlimited time. Their completion of entire new equipment including a three tower directional antenna in record time makes this station the most powerful voice in Northeastern Massachusetts as well as in Southern New Hampshire. The new WLAW is a CBS outlet. (Matthew E. Leshner, R757, Lawrence, Mass.)

WOCB, the new station on Cape Cod has been heard real well here on several early morning tests. They verify with a card showing the antenna system and surrounding territory. (Lester Balcom, R1312, Malden, Mass.)

WLAV in Grand Rapids on 1310 kcs. is now in operation. . . . WJR's transmitter at Trenton was hit by lightning on October 6th and the station was off the air for five minutes. . . . WSAM at Saginaw, Mich. is on Sundays from 6-7:30 p.m. and not 6-7 p.m. as I reported last time. (Carl Sylvester, R36-Mich.1, Columbiaville, Mich.)

WJOB's verification was signed by Randolph Bean, program director. (Julius Krupp, R1369, Chicago, Ill.)

WQXR on 1550 kcs. announce that they are using 5000 watts day and night now. . . . WOCB is onw operating regularly and announcing as

West Yarmouth, Mass. . . . WDLF on 1200 kcs. was heard on November 4 at 2:00 a.m., testing for RCA in Riverhead, N. Y. . . . WSTV on 1310 kcs. was heard November 4 at 1:10 a.m. testing. (Clarence Burnham, Gloucester, Mass.) Holyoke, Mass.)

WAKR in Akron is to be a member of the N. B. C. Blue network while WKRC is a member of the Mutual Broadcasting System. . . . WING boosts its power to 5000 watts unlimited time. (Frederick Kummer, Cincinnati, Ohio)

Holyoke is to have a radio station, to be completed about March 15, 1940. It will operate on 1370 kcs. and transmitter will be at South Hadley, Mass. (Phil Gridley, R1797,

WLAF on 620 kcs. in Salina, N. Y. has been deleted and WAGE in Syracuse will have full time on that channel. . . . WDAH in El Paso, Texas, and WRD in Richmond, Va. are also deleted. . . . WMUR are the call letters assigned to the new Manchester, N. H. station on 670 kcs. (Bill Gabriel, Jr., Lakewood, Ohio)

WKPA on 1120 kcs. is now operating on regular schedule. Its slogan is "The Voice Of The Valley" and studios are located at 810 5th Avenue, New Kensington, Penna. . . . WSTV on 1310 kcs. a new station in Steubenville, Ohio is also now in regular operation. (John K. Higbee, R789, Powhatan Point, Ohio)

WNEI verifies with a picture postcard. . . . WTSP in St. Petersburg, Fla. verified in 96 days with an apologetic letter. . . . WAKR is a member of the N. B. C. Blue network. . . . WFBR on 1270 kcs. verifies with a post card bearing the call letters in red. (George Wetherill, Jr., R1805, Upper Darby, Penna.)

WAKR in Akron on 1530 kcs. is now on the air and relays NBC programs. The signal over-rides others formerly heard on this channel, but it

derives from the latter considerable QRM in the process to pull everybody down into the mire occasionally. What's the saying?—"one more such victory"—(Norman H. Kane Jr., R1911, Drexel Hill, Penna.)

WSLS is the news station in Roanoke. It is owned by the Shenandoah Life Insurance Co. . . . Nothing new on the proposed WMVA here. WPAD verified on their FCC monitoring test. Address is 18 Leon, St., Ponce, P. R. . . . WORD's verification is signed by R. S. Bennett, chief engineer. . . . WLPM in Suffolk, Va. is now operating regularly. (Frank Gravely, R1320, Martinsville, Ky.)

WARM and KPAB have very attractive stationery to use on verification letters. (Eugene Francis, R20001, Bronx, N. Y.)

WADC on 1320 kcs. in Akron, Ohio verifies with a beautiful card. Call is in blue with reminder of print in red on a white card. . . . WFBR verified with post card in red lettering. . . . (Edward Laudansky, Dorchester, Mass.)

WMEX is now on 1470 kcs. using 5000 watts. Transmitter is now in Quincy. . . . WGAN is now operating on 560 kcs. . . . WOCB was heard testing with a program of Strauss waltzes at 1:30 a.m. . . . (Alton L. Caldwell, Jr., R319, Brockton, Mass.)

W8XO on 700 kcs. is now on every night testing between 12:05 a.m. and 1:00 a.m., when they make the change-over from 50 to 500 kilowatts there is a decided improvement in signal. . . . Green call letters, outlined in black on a yellow card make up WHO's attractive verification. . . . WJR on 750 kcs. verified with a card showing their 733 ft. antenna tower. (Roy Wollacott, 1809 Culver Rd., Rochester, N. Y.)

WINN on 1210 kcs., in Louisville, Ky. would like reports regarding signal strength and the clearness and quality of its broadcasts. (Arthur H. Stephens, R1852, Shepherdsville, Ky.)



Some SWL cards. Above from Bill Wells, Hamilton, Ont., and below from Mike Unger, Detroit, Mich.



WBLJ is on 1200 kcs. with 250 watts and is in Dalton, Ga. . . . WFIG stands for "World's Famous Iris Gardens."

Canada: CFRB on 690 kcs. signs off at 11:30 p.m. . . . CFCY on 630 kcs. in Charlottetown, P. E. I. is being heard through WPRO. . . . CHNC on 610 kcs. at New Carlisle, P. Q. verified by letter. They use a 404 ft. vertical radiator of 1000 watts power. . . . CHJS on 1120 kcs. in St. Johns, N. B. were heard here with R9 signals on test program. (Edward Laudansky, Dorchester, Mass.)

VAS was finally heard on their 11 p.m. broadcast. . . . Another UNUS-al call was M-1 heard on about 750 kcs. and located at a fort in Boston Harbor. (Alton L. Caldwell, Jr., R1319, Brockton, Mass.)

CBR on 1100 kcs. at Vancouver, B. C. was heard here on October 24 at 1:00 a.m. with strong signals. . . .

CBO on 880 kcs. was heard here on October 22 at 10:45 p.m. completely over-riding WGBI. . . . CJAT on 600 kcs. at Trail, British Columbia was heard at 2:00 a.m. on October 24. . . . CFCF on 600 kcs. was heard on October 23 at 10 p.m. with a fair signal. . . . CFCN on 1030 kcs. at Calgary, Alberta was heard on October 22 at 10:20 p.m. . . . Bob and Bill Camp, 1042 Water St., Moosic, Penna.)

CKGB heard with an R7 signal at about 8 p.m. using its new 1000 watt transmitter. Verification was received promptly. (Jim Palmer, R1201, Winnetka, Ill.)

CBK verification was received from Winnipeg, Manitoba instead of Watrous. Wonder why? (Frank Susorény, R1421, E. Chicago, Ind.)

DOES anyone know the name of the selection played before "God Save The King" when the CBC stations sign off? (Henry Bennett, R1342, 644 Atlantic Ave., Collingswood, N. J.)

CBK on 540 kcs. at Watrous, Sask. is heard very strong at times in the evening. (Roy Woolacott, R1566, Rochester, N. Y.)

CFCY announces as "The Friendly Voice Of The Maritimes." (Eugene Francis, R2001, Bronx, N. Y. . . . CMCY verifies by letter on attractive blue and red stationery which pictures a map showing location of station. An enclosed card bears an EKKO stamp. (Hal Robie, R1691, Springfield, Mass.)

**Newfoundland:** VONF on 640 kcs. was heard with R9 plus signal on Monday at 6:15 p.m. with a new broadcast. (Edward Laudansky, Dorchester, Mass.)

#### Latin America

**Brazil:** PRE-8 on 980 kcs. has been heard on this channel from 8-9:15 p.m. and KDKA is sometimes inaudible. (Joseph A. Piechuta, R1269, Meriden, Conn.)

**Colombia:** HJAN on 1190 kcs. has been heard with R8 signal around

9:30 p.m. with QRM from WOAI. . . . (Joseph A. Piechuta, R1269, Meriden, Conn.)

**Costa Rica:** TIPG on 625 kcs. at San Jose can often be heard about 9:30 p.m. with R7 signal and no QRM. (Joseph A. Piechuta, R1269, Meriden, Conn.)

**Cuba:** CMCM verifies with a nice card. It is large and in blue, orange and white. . . . On page 53 of May-June RADEX, C. R. Bendes reported that CMCY sent a post card view of a tobacco plantation. My report to that station was answered with a travel folder of Cuba. On the cover was typed the call letters and frequency of the station. This was all that was received. . . . CMHI, in answer to a polite reminder, sent a letter, entirely in Spanish, that stated that my first report had not been received and that the broadcast mentioned had been correctly reported. They sent a souvenir of their inauguration of May 20th. (Hal Robie, R1691, Springfield, Mass.)

**CMEC** on 720 kcs. "Radio Cardenas" was heard from 9 p.m. with R8 signal. This is the standard broadcast station for COCY on 9810 kcs. The location is given as Cardenas, Cuba. . . . CMX on 870 kcs. at Havana was heard with an R7-8 signal, though it is listed as 880 kcs. . . . CMHQ on 670 kcs. in Santa Clara is heard in parallel with CMQ. . . . CMX verified and frequency is listed as 880 kcs. . . . CMQ on 690 kcs. was heard with an English program on Monday night from 12:30-1:00 a.m. (Edward Laudansky—Dorchester, Mass.)

CMHQ, the new Cuban on 710 kcs. using 10000 watts can occasionally be heard here in New York City, under WOR. (Eugene Francis, R2001, Bronx, New York, N. Y.)

CMQ on 690 kcs. in Havana is heard very well after CFRB signs off. . . . CMCY on 590 kcs. is heard very well evenings, as early as 8 p.m. This station carries the Cadena Azul programs. (Ray Woolacott, 1809 Culver Rd., Rochester, N. Y.)

CMQ on 690 kcs., CMBM on 720 kcs., CMX on 880 kcs., CMCY on 590 kcs. CMZ on 920 kcs., and CMCK on 970 kcs. were all heard here in the evening. (Terrace Boyd, R1912, Toronto, Ont.)

CMHQ in Santa Clara, Cuba is heard nightly on 690 kcs. on broadcast band simultaneously with a station on 8830 kcs. on the shortwaves. (This is CMQ on 690 kcs., the CMHQ is a sister station on 710 kcs. In Cuba it is the custom on network programs to announce every station taking part in the broadcast at the beginning and end of each program. This is confusing to many DXers—RL)

**Ecuador:** HCJB lists a 1000 watt station on 970 kcs. (Norman H. Kane, Jr., R1911, Drexel Hill, Penna.)

**Guatemala:** TGW on 1520 kcs. in Guatemala City is heard often around 12:30 a.m. with R8 signal. (Joseph A. Piechuta, R1269, Meriden, Conn.)

**Puerto Rico:** WPAB on 1340 kcs. is heard very well at 10 p.m. in this section. (Edward Laudansky, Dorchester, Mass.)

**Venezuela:** YV5RQ on 885 kcs. in Caracas, Venezuela is heard occasionally with R5 signal 8:00 p.m. with QRM from CMX, five kilocycles away.

**Mexico:** XEW has changed its frequency from 890 to 910 kcs. and is being heard with a mighty signal all over this country and Canada. This is in answer to many queries regarding the mystery station on this frequency. (RL—Mass.)

XERA on 960 kcs. verified with its new card. It is ivory with large red call letters, quite different from the one pictured in July RADEX. . . . XENT on 990 kcs. was heard signing off at 2:00 a.m. They stated they would return to the air at 6:00 p.m. (Edward Laudansky — Dorchester, Mass.)

Latest Mexican changes noticed on my trip to Laredo, Texas last Summer. XEDF on 1240 kcs., having

moved from 810 kcs., XENT is on 990 kcs., having moved from 910 kcs., . . . XEFE is on 910 kcs., having moved from 980 kcs., . . . XEG in Monterrey is slated for 50 kw. and I heard a rumor in Laredo that XEH, also in Monterrey is to have high power, but I have nothing further on this matter. . . . XET was heard one night testing on 1050 kcs., instead of 690 kcs., but they're still operating on 690 kcs. (Samuel Alexander Meyer, Rochester, N. Y.)

XENT is now operating on 990 kcs., practically ruining WBZ at times . . . XERA on 960 kcs. is now on this channel instead of 840 kcs. (Roy Woolacott, R1566, Rochester, N. Y.)

XEAW reports should be sent to J. W. Fincher, Station Manager, Welasco, Texas . . . XEQ verifies with a postcard showing a view of the famous "floating gardens" of Xochimilco, near Mexico City. (Jim Palmer, R1201, Winnetka, Ill.)

XERA verification on their new card is signed by Julia Andalon and power is listed as 500 kw. (S. Morss, R109, Brdford, Mass.)

XESM and XEL, two of Mexico's all nighters are heard here quite regularly. XESM has the stronger signal of the two. (Hal Robie, R1691, Springfield, Mass.)

XEAW is now being heard on 1020 kcs. with a find signal at 10:00 p.m. (F. A. Strubel, Hackensack, N. J.)

XERA reduces their power at 11:30 p.m. nightly . . . XEG is on 1050 kcs. and are very erratic. Most of the time they are off the air, and when broadcasting they are usually slightly off frequency. They are not deleted as they are on for a few minutes once or twice a week. (Pat Webb, San Antonio, Texas)

XEJP is now on all night on 1130 kcs. (Eugene Francis, R2001, Bronx, New York)

XERA signs on the air nightly at 5:30 p.m. (Jack Stephenson, Oklahoma City, Okla.)

XERA and XEAW are heard on 960 and 1020 kcs. respectively with good signals. (Alan Cadorath, R1769, Brandon, Man.)

"The other day to get a radio log, I happened to purchase my first copy of RADEX. The report of the Havana Agreement, with the prediction that the border stations would be forced off the air, and Jack Stephenson's query concerning the whereabouts of Dr. Brinkley came together to arouse my intense interest. XEAW, in answer to my letter assured me that all three major border stations would continue to operate under the terms of the Havana Agreement." This quote is from a letter written by Allan Maxwell, Jr., Bloomington, Indiana. Radexer Maxwell goes on to give the changes in frequency of the three stations, already reported above, and to add that the proper owners of XEAW are Valley Broadcasting Co., Inc., and not H. D. Munal. . . . XERB is in Rosarita Beach and not Tianjuana, is another correction for our indices.

### Tuning The TA's

Activity among the TA's has not been great by any means. Only these few reports are in our hands at this late date, when TA reception is usually beginning to reach its peak!

"Radio Toulouse" on 915 kcs. has been the most consistent and the best heard TA, thus far. Signal on one occasion reached an R7, but fading was very noticeable and made listening difficult even on such a strong signal. French news is usually given at 1:00 a.m. and a gong strikes at 1:15. Two chimes precede station announcement which is "Ici Radio Toulouse". (RL—Mass.)

Bordeaux on 1077 kcs. was heard one with very weak signal at 1:02 a.m. (RL—Mass.)

Unidentified French speaking station on 1395 kcs. was heard from 1-1:45 a.m. when they faded. Signal was about R7 on peaks. News in French was heard at 1:00 a.m. (Robert Skyten, E. Brookfield, Mass.)

## YOUR COPIES OF RADEX WILL BE RESERVED. SEE PAGE 96

### Venezuela Reallocation

Too late to be included in our regular lists, the following complete list of Venezuelan stations has been received from Jose Carriazo, Jr., of Havana, Cuba.

630	YVKA	Radiodifusora Nacional, Caracas
590	YV5RI	Radio Continente, Caracas
720	YV5HR	La Voz de la Patria, Caracas
790	YV5RB	Radiodifusora Venezuela, Caracas
960	YV5RA	Radio Caracas, Caracas
980	YV2RB	La Voz del Tachira, San Cristobal
1010	YV5RG	Emisoras Unidas Ondas Populares, Caracas
1050	YV5RZ	Emisora Vargas, La Guaira
1080	YV6RE	Ondas del Niveri, Barcelona
1120	YV1RF	Ondas del Lago, Maracaibo
1150	YV1RD	Radiodifusora Maracaibo, Maracaibo
1150	YV4RD	Radio Marconi, Maracay
1160	YV5RL	Radio Tropical, Caracas
1250	YV1RK	Radio Popular, Maracaibo
1270	YV3RA	Radio America, Barquisimeto
1300	YV1RA	Ecos del Zulia, Valencia
1350	YV4RA	La Voz de Carabobo, Valencia
1370	YV1RW	Radio Coro, Coro
1400	YV4RE	Radio Valencia, Valencia
1400	YV1RC	La Voz de la Fe, Maracaibo
1400	YV6RA	Ecos del Orinoco, Ciudad Bolivar
1430	YV4RL	Radio Maracay, Maracay
1470	YV3RE	Radio Barquisimeto, Barquisimeto
1490	YV4RR	Radio Puerto Cabello, Puerto Cabello
1500	YV1RA	Ecos del Zulia, Maracaibo
3300	YV1RI	Radio Falcon, Coro
3310	YV4RX	Radio Marconi, Maracay
3340	YV1RO	Radio Trujillo, Trujillo
3358	YV5RS	Radio Libertador, Caracas
3370	YV1RT	La Voz de la Fe, Maracaibo
3380	YV5RY	Radio Continente, Caracas
3400	YV5RW	Radio Tropical, Caracas
3410	YV3RX	Radio America, Barquisimeto
3420	YV3RC	La Voz de la Sierra, Merida
3430	YV5RX	La Voz de la Patria, Caracas
3440	YV1RU	Radiodifusora Maracaibo, Maracaibo
3450	YV6RC	Emisora del Estado, Barcelona
3460	YV4RP	Radio Valencia, Valencia
2480	YV5RO	Puerto Cabello
3490	YV3RF	La Voz del Llano, Acarigua
3500	YV5RV	Emisora Vargas, La Guaira
4750	YV1RV	Ecos del Zulia, Maracaibo
4760	YV4RO	La Voz de Carabobo, Valencia
4770	YV1RY	Radio Coro, Coro
4780	YV3RN	Radio Barquisimeto, Barquisimeto
4790	YV6RU	Ecos del Orinoco, Ciudad Bolivar
4800	YV1RX	Ondas del Lago, Maracaibo
4810	YV1RL	Radio Popular, Maracaibo
4820	YV02	Gobierno Nacional, Maracaibo



4380	YV3RN	La Voz del Tachira, San Cristobal	HKQ1AT (c); HK3CC (bc); HK3CI (ac); HK3CK (ab); HK3CY (b);
4840	YV1RZ	Radio Valera, Valera	HK4AB (b); HK4DJ (b); HP1A
4860	YV5RU	Emisoras Unidas Ondas Populares, Caracas	(bf); KA1AK (f); KA1AP (c);
4890	YV5RM	Radiodifusora Venezuella, Caracas	KA1AR (e); KA1BB (ce); KA1CM (f); KA1FH (ci); KA1LH (g);
4920	YV5RN	Radio Caracas, Caracas	KA1ME (ci); KA4LH (g); KA7FS (efgi); KB4GYM (bl); KB6CBN (cj); KB6OCL (fi); KC4USA (abdefgiljm); KC4USB (efijl); KC4USC (1); KD4DYM (jm); KG6QYM (g);
4950	.....	Radiodifusora Nacional, Caracas	K4DSE (bj); K4EJF (bfij); K4EMG (c); K4ENT (cejkm); K4FAB (abefijkm); K4FCG (c); K4GTH (b);
6172	YVBK	Radiodifusora Nacional, Caracas	K4K (e); K5AT (b); K6BAZ (ajj);
9640	YVSC	Radiodifusora Nacional, Caracas	K6BNR (b); K6FIZ (b); K6FWD (e); K6FYN (ab); K6ILW (c);
11725	YVOR	Radiodifusora Nacional, Caracas	K6IQN (aefk); K6KGA (bf); K6LCV (abik); K6LEJ (eik); K6LKN (e);
15315	YVPX	Radiodifusora Nacional, Caracas	K6NYD (abei); K6OJI (bl); K6PAS (ai); K6PHD (b); K6PIT (b); K6PLZ (bfij); K6PTW (k); K6SIZ (k); K6SWV (afi); K6CYM (e);

### 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.

#### Ten Meters

CX2CO (j); K4EZR (cj); K4FOW (c); K4GIG (c); K4GTH (j); K4GTS (be); K5AT (j); K6IQM (j); K6MVV (j); K6OQM (j); K6PAI (j); K6PAS (j); K6ROJ (j); K6RVG (j); K6SGJ (f); K6SNL (f); K6SWV (j); NY4AB (f); NY4AD (b); W6BOY (c); XE1AT (c).

#### Twenty Meters

CE1AB (d); CE1AC (c); CE1AO (ad); CE1AS (b); CE1BE (d); CE2AM (b); CE3CG (f); CE3CZ (c); CE3W (b); CO2BA (ab); CO2CC (c); CO2CK (m); CO2CO (abe); CO2DR (a); CO2EG (b); CO2GL (abei); CO2GY (c); CO2HA (c); CO2HP (b); CO2HY (c); CO2JM (f); CO2KP (b); CO2LA (abce); CO2LY (b); CO2MG (b); CO2RR (c); CO2RZ (c); CO2SV (d); CO2WM (c); CO2WX (bc); CO2YW (c); CO6AX (f); CO6OM (c); CO6XX (b); CO7AS (c); CO7VX (c); CO7TP (ac); CO8MP (abdfhijk); CO8PP (b); CP1AB (b); CP2AC (b); CR6AF (g); CX1AA (b); CX1AG (b); CX2BK (bc); CX2BX (b); EA7BA (c); EK1AF (c).

HC1FG (b); HC2HP (ci); HH4AS (bci); HH5PA (c); HI3N (bc); HI5X (c); HI6Q (b); HK1AC (c);

LU2AW (bc); LU2CH (j); LU3AC (c); LU4BH (f); LU7BH (b); LU8AB (bc); NY1AA (fj); NY4AD (beik); OA4R (b); PK1OG (c); PK4FT (c); PY1IM (c); PY1MS (b); PY1RM (b); PY2AC (c); PY2CK (c); PY2ET (b); PY2IM (c); PY2IT (c); PY7AI (b); TG9BA (ck); TI2AC (b); TI2FG (b); XE1AC (cd); XE1AG (b); XE1AM (c); XE1AS (b); XE1BY (b); XE1CA (ak); XE1CC (m); XE1GG (m); XE1LL (c); XE1MF (a); XE1NC (b); XE2AF (c); XE2CO (a); XE2FG (b); XU8AM (c); YN1IP (b); YN2LT (f); YS1JGM (f); YS1RP (b); YV1AG (b); YV1AP (c); YV1AQ (c); YV4AE (c); YV5ABE (c); YV5ABY (c); YV5ACE (c); YV5ACG (c); ZP2AA (b).

#### The Reporters

(a) Philippe A. Bates, Philadelphia, Pa.

(b) George J. Eder, Philadelphia, Pa.

(c) Sterling Fisher, N. Tarrytown, N. Y.

(d) Vernon Lee Gibbs, Lexington, Ky.

(e) Norman Kane, Jr., Drexel Hill, Pa.

(f) Ralph Kastner, New Braunfels, Texas

(g) Avery L. Kempton, Harding, Mass.

(h) Wm. R. Knotts, Pennsgrove, N. J.

(i) W. Knouff, Columbus, Ohio

(j) Harry O'Meara, Manchester, Mass.

(k) Glenn Thormann, Westbury, N. Y.

(l) Geo. W. Weaver, Saxton, Pa.

(m) Wm. Wells, Hamilton, Ontario.

## Ham

By OWEN CALLIN

This meeting of the Ham Hounders is quickly called to order because some very important business is about to be brought before you. So gather round, fellow DXers, and start thinking about this:

So very many of you have written to me, asking how to get a QSL from the Antarctic, namely, KC4USA, B, or C, that we are passing these requests right along to Admiral Byrd, himself.

The expedition will be back from the South Pole not long after the first of the year, so we have written the following letter to the Admiral. Keep whatever data you have to verify the South Pole stations and it may be that this request will be granted.

Some sad news is on the docket, too. Clarence Freeman of Fort Wayne, and Mike Unger of Detroit tell us on very good authority that EK1AF, Jose M. Sierra, was killed when the Spanish entered the International Zone a few months ago.


I can't think of a better friend to the SWL's than was Senor Sierra. Having one of the two stations in his district, he would gladly QSL, and has added another country to the lists of many. His card was unusual—a high spot in many a collection. I know many of us have his picture which he often sent with his card. The world needs more amateurs such as EK1AF.

Cliff Tavener is still in first place in our contest but Merton Meade, of the famous Meade brothers, sneaked right into second place behind him. We have some new contestants, too, and at the latest poll, they stacked up this way:

**Radio Amateur Call Book**

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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.



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Emerson, N. J.

**\$1.25**



Ramon Ovide, operator of Cuban CO2RO

# Hounding

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Hounding direct to  
Owen P. Callin  
61 W. California Ave.  
Columbus, Ohio

## An Open Letter to Admiral Byrd

Dear Admiral:

The world all knows and appreciates the fine work you are doing in the exploration of a little-known area of our globe. You have the good wishes of our entire country—you and your band of brave pioneers.

That the progress of your activities is eagerly followed is shown in the conversation that flows back and forth through the ether between amateur radio stations, of which your three, KC4USA, KC4USB and KC4USC play no little part.

I don't know of an amateur radio operator who is not familiar with those three stations. Many hundreds have had the pleasure of contacting Little America through them, and have had an extra thrill in the process.

Not only the amateurs, but the countless thousands of radio enthusiasts who are really amateurs in the embryo and have yet to become full-fledged—they, too, hang on receivers for hours to hear "messages" from the south pole.

It is for this latter group I speak. Like the amateurs, they enjoy hearing far-off stations and revel in receiving QSL cards. That the report they send is of interest and welcome to the amateur, most amateurs will admit, and the majority willingly send their cards.

But when the radio ops of your stations announced in QSO's with their back-home friends that they could not possibly send cards to the thousands of short wave listeners who hear them, the pangs of disappointment were appallingly great. So great, in fact, that I, as representative of some 25,000 of them, am making this plea.

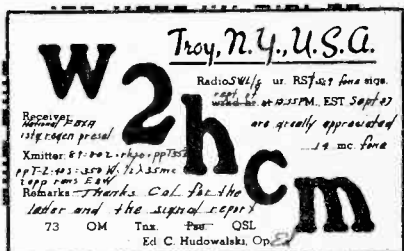
When your expedition returns, is there any reason why QSL cards cannot be printed and sent to those who furnish proof of reception of KC4USA, USB or USC? The listeners who request them will be glad to pay more than the cost of printing. If their reports check with the stations' logs, would it not be a gesture of friendliness on your part to send those reporters a card?

Besides, would not the reports of such listeners have value in determining how well the expedition's stations were heard in the United States? I think that alone would be sufficient for granting the issuance of such cards to the short wave listeners.

I am advising all of my readers to keep important data concerning reception of your stations. Won't you do the rest, Admiral? If you will, then you will have acquired our undying gratitude.

OWEN P. CALLIN,  
Amateur Radio Editor of Radex Magazine.

## The "W" Section



These Had  
Their  
Chance

W1CH  
W3HPB  
W4CYU  
W5GQP  
W6NNR  
W7AKQ  
W9KVP



Cliff Tavener	....	23,184 pts.
Mert Meade	....	20,709 "
Jack Wells	....	17,544 "
George J. Eder	..	16,296 "
Eugene Allen	....	3,200 "
Weston Richards		2,100
Mike Unger	.....	903 "
Ralph Kastner	...	854 "

Besides that, Harry O'Meara, Manchester, Mass., has 21 points and Mert Meade has 18 points in the Amateur Division of the big Radex contest.

Remember, for the first place winner in our ham-band contest the Return Postage Bureau of Rutherford, N. J., Walter Koester, manager, has donated \$1 credit towards the purchase of foreign stamps. The first and second placers will get fine write-ups in the pages of Ham Hounding.

Get in there and pitch in Radex's big contest, too. Those prizes, a

Upper left, the QSL card of W8NPF, red and blue. Below, the transmitter of W2HCM. Upper right, the red and green QSL card of W2HCM. These two stations were selected for honorable mention in the W Section of this month. The W Section, highlighting amateur stations in all districts, will be a regular feature of RADEX.

HALLICRAFTERS SKYRIDER  
DEFIANT RECEIVER, PHILCO  
PORTABLE RECEIVER, and cash  
money are worth going after.

We welcome to this meeting of the Ham Hounders William R. Knotts, of Pennsgrove, N. J., a guard at the DuPont powder plant at Carney Point, N. J. He has been converted to the hobby of DXing—largely through the administrations of W3EAX, who lives underneath him. E. Laudansky of Dorchester, Mass., sends his first report for a long time. Other new reporters are Roland Burson of Mansfield, Ohio; Oliverio Laperal of Manila, Philippines, who we expect to tell us from time to time of DX out that way; Francis Brooke of Reesville, Ohio; Norman Kane of Drexel Hill, Pa.; Avery L. Kempton of Hardings, Mass.; and George Weaver of Saxton, Pa. Mike Unger, Detroit DXer, sends an excellent report and wants to join the club.

Fine work, Hounders, and keep it up.

One of our Canadian reporters asks all SWLs to send reports under cover if they QSL with Canadians, as the "R. I." is bearing down. The less written on the envelope about radio the better.

Jack Welsh of Kingston, Ill., (R790) gets this month's applause. Jack now is a ham—W9MZW. He is operating on 80, 40 and 20 CW—and it's a cinch that he'll QSL for Radexers.

Bill Scott (R626) answered our request for CW dope. He has been listening to the dots and dashes for 15 months in search of DX, but he reports few results. He has heard K7GOR, K5AG and K5AY on 20 and 40 CW. Altogether he has heard all W districts, K5, K6, CM2, K7, G2, J2 and U9.

Bill reports that about 45 per cent of the hams verify for him on all bands except 80 meters and there the percentage falls to 30 per cent. On 160 it is also slightly smaller—35 to 38 per cent.

DX, I think, Bill, on 40 meters would be outside of W's. You should look over the cards that a ham friend mine has—all on 40! What do you others think of a CW department? Bill suggests one and if there are enough of us reporting on it, OK. You CW listeners, let me know.

Many of you report that the stations were rolling in during the A. R. R. L. Sweepstakes and a release from the League reports that early returns are indicating widespread interest in the tests.

F. E. Handy, League communications manager, said that all records were broken in this, the 11th Sweepstakes. Some hams made over 700 individual two-way contacts. The practice transmissions sent nightly from W1AW were thought to be responsible for increased speeds noted during the contest.

Our DX ham of the month is Ramon Ovide, operator of CO2RO in Havana, Cuba. He is married and has

mon is an operator in the projection room of the National Theatre in Havana.

a little daughter, three years old. Ra-

The transmitter is a small one, 6A6 oscillator and doubler, 6L6G used as a buffer and a couple of 6L6G's in push-pull in the final. A couple more 6L6G's are used for modulation. The antenna is a matched impedance Y-type, with crystal mike. The receiver is a home-built 10-tube super-het.

Ramon lives at S. Juan de Dios No. 213 and will be glad to QSL for SWLs if they send unsold Cuban stamps or international reply coupons.

Now for the surprise we were planning. Many of you have turned your attention to W hams since war-lopped DX from the ham bands. From now on we are going to devote a section of Ham Hounding to W hams. Every issue we will offer to one ham in each district space in that section. If the ham selected does not reply to our request, his district will not be represented.

To decide who the lucky nine are, we listen to the bands and the first ones we hear in each district are chosen. Besides these hams, of course, will be those you write in about.

So here is the W section:

This month only two hams — one representing the second district and one the eighth—answered our requests. W2HCM was heard on 20 meter fone and W8NPF on 40 meter cw.

W2HCM—Edward C. Hudowalski is one of those rare amateurs who literally makes out a QSL card immediately after a QSO and when the other one doesn't send a card, he's angry! Here are his own words on the subject:

"When I first started in amateur radio," he pens, "I sent a QSL card to each station I worked immediately after the QSO. How often in those days I suffered 'waiting QSL pains'—waiting for a card from that new station or country. If no card came in a reasonable time I often sent fol-

low up cards with stamps or self addressed stamped envelopes.

"I can, therefore, appreciate how an SWL feels when he sends, in good faith, a signal report to a station and then waits—for a reply that often does not come. I try to answer all SWL's if they send a stamp. They get an immediate reply if their report checks with the log.

"Recently I have not answered quite a few SWL's who did not include signal strength, date or time. LA report like 'Dear OM I heard your phone signals, please QSL' does not sound honest and that kind of a report goes in the waste basket (SWLs take notice)."

That's the kind of an amateur that is an honor to the hobby.

Ed's rig is in the back hall of the house and shares space with the refrigerator. He says that someday he will rebuild and then maybe the XYL will let him move it into the den! The rig as it is, is "haywire."

Transmitter consists of a band switching exciter, 89 oscillator crystal or eco, and 802 doubler and RK20 buffer. A pair of T55's final was added and a TZ40 modulator installed recently. It runs 500 watts on CW and 350 on phone. An antenna unit for ZEPP feeders is shown in the picture.

Ed made WAS in 1938 (No. 474) and WAC in 1939 by hooking Asia, although he had worked all continents as early as the fall of 1937. Up to the time DX was banned he had worked 67 countries with QSLs from 49. He expects to be on 75 meters in the near future.

W8NPF—Gene Ferguson fooled us. We heard him on the air and wrote to his Callbook address in Dayton. But he walked in the house one night and informed us that he is now in Columbus, our home town, operating the transmitter at BCB station. WCOL.

Gene's interest in ham radio began in 1933 when he was living in Loui-

sville, Ky. W9EKB, a friend, sold him and he began to study for his license. That same year he attained his goal and went on the air from Delaware, Ohio. Operation began on 80 meter CW with a 10-watt input and a single self-excited '45. The following year Gene turned to crystal control and increased to 25 watts power.

In 1937 W8NPF moved to 40 meters where he has been since with an occasional pass as 20 meters. His pet frequency is 7074 kcs.

In 1938 Gene moved into the 100-watt class with a 6L6G crystal oscillator and a pair of 6L6g's in the final. In Dayton at the time, Gene became an operator at BCB WSMK, later WING. Shortly after that he came to Columbus to "op" for WCOL, where he is now.

Believing that every amateur should belong to some of radio's fine organizations, Gene is a member of the World Friendship Society of Radio Amateurs. The American Radio Relay League, and the Dayton Amateur Radio Association. He is a past secretary-treasurer of the latter.

Gene has his WAS with his best DX, CX2AJ.

"The sending of QSLs," he writes, "has always been part of the QSO and every station contacted has received a card. SWL cards are promptly answered and are welcome at all times whether they be from around the corner or around the world."

Now for other W news:

W9BNP in Lexington, Ky., operating on 80-meter CW will verify for all SWLs; W3ANO sends a beautiful card, with small American flags in red along the borders; W9SBV, original chief operator at BCB station WMT when the station began as WKAA in 1922, and which later changed to KWCR in Cedar Rapids, Ia., is a patrolman on the Cedar Rapids police force. He was heard on 20 phone.

Now for a quick look at what little DX there is:

ALASKA—Coming in very well, especially in the evenings. K7GSC on 14240, K7GTP on 14195, K7CBF on 14230. K7HAR also reported.

ANGOLA — Evidently CR6AF is still on the air, heard on 20-meter phone.

BELGIAN CONGO—CQ5AB has been silent for some time because of the war.

CANAL ZONE—K5AP said as far as he knew he was the only ham operating in the Zone at this time.

CANTON ISLAND—W7DBR KF6 is being reported regularly since signals from Oceania have been picking up.

CHILE — CE4AC, CE3CK and CE3BE are all prompt QSLers.

CHINA—XU1B is still bet for that Asiatic veri. Get up early some morning and listen for him on 20 phone. He has been on the air since 1922. He sends a card that looks nice on a wall or in a scrapbook.

COSTA RICA — TI2AC QSLed after three weeks with a card showing two monkey heads hanging by their tails. His frequency is 14044.

CUBA—CO2YW is reported to QSL 100 per cent.

GUAM—KB6CBN on 14225 is being heard regular while KB6GYM was heard calling W1FH.

GUANTANAMO BAY — NY4AB or NY4AD or both are being heard regularly on 10 and 20 phone. 4AB heard on 75 reporting to a ham network. Remember the U. S. stamps are all that's needed for these veris.

HAWAII—The K6's are so numerous and heard so well that they only become DX when heard on bands other than 10 and 20. What do you think, Radexers? Mert Meade's brother, Bob, is no longer at K6PIT. He has been sent to Kauai. The QRA of K6SWV is 21st Inf., Schofield Barracks.

JARVIS ISLAND—KF6JEG/KG6 may be heard mornings on 14190 and at times on 10 meters—28500.

MEXICO — XE1CM was heard talking to KC4USB!!!!XE2FC now on 40 meters regularly. XE1GE QSLs with a red and black card and XE3AH sends a white card with large black letters.

PHILIPPINES—The most consistent of present DX—again, get up early and listen for: KA4IH, 14134; KA1BB, 14256; KA7FS, 14128; KA1RX, 14096; KA1CM, 14061; KA1JH, 14115; KA1ME, 14142; KA1AK, 14107. Our Philippine reporter, Oliverio Laperal reports a new station, KA1AD being tested on 3900 kilocycles. KA-FH is NOT off the air, according to W. F. Knouff.

PORTO RICO — K4FKC was heard on 75 meters during the Sweepstakes. He usually is on 20. K4GPG heard in QSO with K7HAR. K4EIL heard on 10.

SWAN ISLAND — KD4GYM has been cropping up under all sorts of different calls, but, boys and girls, KD4GYM it is. He is the weather observer for the U. S. on Swan Island, one of the Virgin Island group in the West Indies, and it is not yet known whether he QSLs.

That's all this time and now let's have a look at what Radexers are doing:

CHATTER—Mike Unger sent in a swell report. He's in the contest ("watch me climb") and uses a half-wave doubler on 20 meters hooked to his SX-24 HALLICRAFT. . . . Mike is willing to supply QRA's and dope for anyone who'll write him—his QRA is 4373 Sturtevant, Detroit, Mich. . . . Bill Wells comes through with a report. . . . KA1CS verified a year later for Avery Kempton. . . . Calls Heard left out last issue because there weren't enough of them. . . . Mert Meade says the 20 and 40 meter CW stations were 10 to a kilocycle during the sweepstakes. . . . George Weaver has logged all the Byrd stations. . . . Al Renfro, Jr., wants to be a Radex reporter. . . . Francis Brooke has a National NC-100XA receiver with a RME DB20

pre-selector. . . . Mel Fisher just shelled out eight bucks for a repair job on his receiver. . . . K. F. Borden: does the letter to Byrd answer your query? . . . Ed Laudansky has been experimenting with a spiderweb antenna hooked to his HALLI-CRAFTER S19R and it really brings in the BCB stations. . . . Harry O'Meara hasn't heard a YS station for a long time and wonders if they are all the air. . . . Ralph Kastner snagged KAIJH for his first card from the Philippines. . . . Clarence Freeman sends in an excellent report using an old Emerson table model. . . . and that's all, Radexers. How do you like the "W" section?

## High Frequency Globe Trotting

(Continued from page 19)

### Mozambique

CR7BE on 9710 kcs. are operating from 2-4 p.m. daily with a signal that is very strong at sign off time. They use 10 kw. beamed at this country. Portuguese National Anthem is used at sign off. (Borcherdt—Wis., Meyers—Ill., Stevens—Ky.)

### Netherlands

PCJ on 15220 kcs. in Amsterdam is being heard daily from 7:30-10 a.m. They use an identification signal similar to the German stations—a few notes played on the piano. (Skyten—Mass., Stevens—Ky., Webb—Texas, Long—Ga., McMahon—N. Y.)

PCV on 18065 kcs. is heard from Kootwijk broadcasting simultaneously with PCJ from 7:30-10 a.m. News in English is at 9:30 a.m. They announce "Holland Calling from the Nederlandse Rundfunke Studios in Amsterdam." (Skyten—Mass.)

### Nicaragua

YNOW on 6870 kcs. at Managua is heard with strong signals daily around 9 p.m. (Skyten—Mass.)

YNRS on 6760 kcs. "Radio Nicaragua" at Managua is heard at 9:30

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15889 Princeton Ave., Detroit

p.m. with a very strong signal. Chimes are used for identification. (Skyten—Mass.)

### Portugal

New "Radio Portugal" on approximately 10150 kcs. in Lisbon has been heard from 2-3 p.m. with a program in French. Announces as "Ici Radio Portugal". Noc all is heard. Interval signal is a tune played on a flute. (Skyten—Mass.)

CSW-5 on 11040 kcs. heard from noon to 2:30 p.m. and sometimes as late as 4:00 p.m. (McMahon—N. Y., Stevens—Ky., Meyers—Ill.)

CSW-7 on 9740 kcs. heard coming on at 2:40 p.m. and continuing sometimes until as late as 8:00 p.m. (Stevens—Ky., Meyers—Ill., Woolcott—N. Y., McMahon, N. Y.)

### Salvador

YSPB on 6575 kcs. is a new station announcing as "La Voz de Cuscatlan" at San Salvador. It is heard nightly with very strong signal until 11:58 p.m. in parallel with YSP. Chimes are used for identification. (Skyten—Mass.)

### Switzerland

"Radio Suisse" on 6170 kcs. at Schwarzenburg is being heard from 2:00 p.m. or earlier, until approximately 4:30 p.m. with news in French at 4:15 p.m. Announcements in



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French and German at sign-off followed by chorus voices and orchestra. Signal is often R9 at sign off. (Skyten—Mass.)

.....? on 11867 kcs. at Schwarzenburg was heard with very good signal until 7:45 a.m. several times. Programs in French and German. No call letters used. (Skyten—Mass.)

HBL on 9345 kcs. relays news programs to CBS weekdays between 6:45 and 7:00 p.m. from Bucharest and other points, sometimes Vichy. A hum always heard on Bucharest broadcasts is not in HBL's transmitter, but is due to some defect in the relay from Bucharest-Geneva. (Kane—Penna., Skyten—Mass.)

### Taiwan

JIE-2 on 9695 kcs. at Tyureki is believed to be the station heard from 8-9 a.m., or later with a program in Japanese. (Skyten—Mass.)

### Turkey

TAP on 9465 kcs. at Ankara is on the air from 10:30 a.m. to 4:30 p.m. with news in English at 2:15 p.m. They welcome reports and these should be addressed to The Turkish Broadcasting System, Correspondence Dept., Ankara, Turkey. (Skyten—Mass., Laudansky—Mass., Steves—Ky., McMahan—N. Y., Borchardt—Wisc., Kempton—Mass.)

### Union of South Africa

ZRK on 6097 kcs. at Capetown is heard at 3:45 p.m. daily relaying the B. B. C. news from London until sign off at 4 p.m. Signal is very strong

with slight QRM from YUB, Belgrade. (Skyten—Mass.)

ZRL on 9606 kcs. at Capetown heard on election night at 11:45 p.m. with R7-8 signal until three minutes before midnight. At midnight a clock struck 7:00 a.m. and then news in English was heard and the victory of President Roosevelt was announced. (Long—Ga.) ZRL also reported by Boyd—Ont., Meyers—Ill., and Stevens—Ky.)

### Vatican City

HVJ on 11740 kcs. is still being heard regularly and with a strong signal on Sunday and Thursday from 8:30-9 p.m. Their card is attractive, showing antenna location in sepia tint. (McMahon—N. Y., Kane—Penna.)

### Venezuela

YVIRD on 3360 kcs. now after changing from 4778 kcs. The station at Trujillo is heard with good signal. Chimes are used for identification. (Skyten—Mass.)

YV1RY on 4770 kcs. now according to verification. "Radio Coro", Coro, Venezuela has a veri card picturing a building and transmitting towers in blue and yellow. (Laudansky—Mass.)

YV4RD at Valencia, Venezuela is now on 4760 kcs. and signs off at 9:30 p.m. (Laudansky—Mass.)

YV5RH in Caracas is now being heard on 4880 kcs. It is R9 plus in the late evening. (Laudansky—Mass.)

WLWO in Cin

RD

# The WORLD'S Radio Stations

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

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

2490	KACQ	SP	10	Kalaloch, Wash. State of W. Highway & Patrol Dept.
	KADF	MP	250	Yuma, Ariz. Yuma County
	KADI	MP	50	Oceanside, Calif. City of O. Police
	KADQ	MP	50	Brea, Calif. City of B.
	KASH	SP	50	Portable-Mobile in Wash. Same as KACQ
	KAXV	SP	50	Portable in Wash. Same as KACQ
	KBIE	SP	50	NC-14620, State of Wash., Dept. of Fisheries
	KBMP	MP	50	Brawley, Calif. City of B.
	KGAZ	SP	....	Mobile in Wash. Same as KACQ
	KGHD	SP	50	Seattle, Wash. Same as KACQ
	KGHE	SP	50	Snoqualmie Pass, Wash. Same as KACQ
	KGHO	SP	50	Chinook Pass, Wash. Same as KACQ
	KGHX	MP	500	Santa Ana, Calif. Orange County Police
	KGKE	SP	30	Portable in Wash. Same as KACQ
	KGZD	MP	400	San Diego, Calif. City of S. D.
	KGZU	MP	20	Lincoln, Nebr.
	KNFC	MP	50	Port Angeles, Wash.
	KNFG	SP	250	Olympia, Wash. Same as KACQ
	KNFK	SP	50	Bellingham, Wash. Same as KACQ
	KNFM	MP	25	Compton, Calif.
	KNFX	SP	10	Ellensburg, Wash. Same as KACQ
	KNGA	EM	10	Goldendale, Wash. Same as KACQ
	KNGB	MP	50	Yakima, Wash.
	KNGC	MP	50	Vancouver, Wash.
	KNGD	SP	50	Walla Walla, Wash. Same as KACQ
	KNGJ	MP	50	El Centro, Calif. City of E. C.
	KNGN	MP	25	Norfolk, Nebr.
	KNGO	SP	50	Wenatchee, Wash. Same as KACQ
	KNGR	SP	250	Spokane, Wash. Same as KACQ
	KNGZ	SP	10	Ephrata, Wash. Same as KACQ
	KOAX	SP	30	Mobile in Wash. Same as KACQ
	KOCS	SP	50	Colfax, Wash. Same as KACQ
	KOCT	SP	50	Portables in Wash. (2 units - 30 w). Same as KACQ
	KOCZ	SP	50	Portable in Washington. Same as KACQ
	KOOL	SP	30	Portable-Mobile in Wash.
	KSPM	SP	50	Same as KACQ
	KSPN	SP	50	Portable-Mobile in Wash. Same as KACQ
	KSPW	SP	30	Portable-Mobile in Wash. Same as KACQ
	KWAY	SP	....	Mobile in Wash. Same as KACQ
	KWSA	EM	....	Mobile in Wash. Same as KACQ
	KWSB	EM	50	Portable on Snow Plow in Wash. Same as KACQ
	KWSD	EM	50	Portable on snow plow in Wash.
	WAKA	MP	50	Huntington, In.
	WAKK	MP	50	Frankfort, Ind. City of F.
	WAMI	MP	50	Bluffton, Ind. City of B.
	WAMJ	MP	100	Natchez, Miss. City of N.
	WAMK	MP	50	Jackson, Miss. City of J.
	WASC	MP	50	Peru, Ind. City of P.
	WBVW	MP	50	Bluefield, W. V. City of B.
	WMPG	MP	50	Greenville, Miss. City of G.
	WMPL	MP	40	LaPorte, Ind. City of LaP.
	WMPQ	MP	100	Logansport, Ind. City of L.
	WFPV	MP	50	Valparaiso, Ind. City of V.
	WPDJ	MP	50	Kokomo, Ind. City of K.
	WPDZ	MP	200	Fort Wayne, Ind. City of F. W.
	WPFP	MP	30	Clarksburg, W. V. City of C.
	WPGN	MP	100	South Bend, Ind. City of S. B.
	WPGO	MO	25	Hurtington, N. Y. Town of H.
	WPGS	MP	40	Mineola, N. Y. Nassac County
	WPHI	MP	50	Charleston, W. V. City of C.
	WPHI	MP	100	Fairmont, W. V. City of F.
	WPHO	MP	50	Parkersburg, W. Va. City of P.
	WQFO	MP	50	Lafayette, Ind.
	WQSC	SP	50	Colfax, Wash. Same as KACQ
2496	KNJA	G	....	Lassen Volcanic National Park, Calif. Nat'l. Park Serv. U. S. Dept. of Interior
	KNIB	G	....	Yellowstone N. P., Wyo. Same as KNJA
	KNJC	G	....	Grand Canyon N. P., Ariz. Same as KNJA

2500	KNKA	G	....	Grand Canyon, Ariz. (North Rim)
	XEXP	B	30	Monterrey, N. L. Presidencia Municipal.
2506	KLU	..	....	San Rafael, Calif. Pacific Teleg. & Telephone Co.
	WOU	..	....	Marshfield, Mass. New England Telephone & Teleg. Co.
2512	KGJK	S	....	"Jeanette E." Skinner & Friday Corp.
	KGM	..	....	Ketchikan, T. A. Same as KGJK.
	KGNM	..	....	"Doris E." Same as KGJK.
	KGNN	S	....	"Yes Bay." Same as KGJK.
	KIAO	..	....	Rose Inlet, T. A. Alaska Pacific Salmon Co.
	KIAP	..	....	Rose Inlet, T. A. Same as KIAO.
	KIAY	..	....	Port Althorp, T. A. Same as KIAO.
	KIAW	..	....	Port Althorp, T. A. Same as KIAO.
	KIAX	..	....	Ketchikan, T. A. Same as KIAO.
	KIAY	..	....	Ketchikan, T. A. Same as KIAO.
	KIAZ	..	....	Kake, T. A. Same as KIAO.
	KIBA	..	....	Kake, T. A. Same as KIAO.
	CLB	..	....	Port Althorp, T. A. Same as KIAO.
	KLC	..	....	Kake, T. A. Same as KIAO.
	KLE	CH	....	Rose Inlet, T. A. Same as KIAO.
	WFFR	S	....	"Frances E." Same as KGJK.
	WIDL	S	....	"Leonine." Same as KGJK.
	WIDM	S	....	"Sally S." Same as KGJK.
	WIDN	S	....	"Virginia E." Same as KGJK.
	WNFM	S	....	"Alco." Same as KGJK.
2514	WCY	CHT	400	West Dover, Ohio. (600 w. days). Radiomarine Corp.
	WDR	CHT	400	Miami Beach, Fla. Southern Bell Te. & Teleg. Co.
2515	KAKL	C	....	Kasaan, T. A. Pacific American Fisheries, Inc.
	KIDB	T	....	Kasaan, T. A. Same as KAKL.
	KSN	CH	10	Akutan, T. A. American Pacific Whaling Co.
	KZS	CH	....	Kasaan, T. A. Same as KAKL.
2520	KNKP	F	....	Rocky Mt. Nat'l Park, Colo.
2522	KOW	T	....	Edmonds, Wash. Pacific Telephone & Teleg. Co.
	WOO	T	....	Ocean Gate, N. J. Am. Tele. & Teleg. Co., Long Lines Dept.
2530	WCT	CHT	400	San Juan, P. R. Radio Corp. of P. R.
	WOX	C	....	St. George, S. I., N. Y. New York Tele. Co.
2538	KALG	..	....	Squaw Harbor, T. A.
	KALI	..	....	Lazy Bay, T. A.
	KALJ	..	....	King Cove, T. A.
	KDK	..	....	Wrangell, T. A. A. R. Brueger.
	KFC	CH	50	Hood Bay, T. A. Hood Bay Canning Co.
	KILD	..	....	Cordova (Eyak River) T. A.
	KLU	..	....	Sitka, T. A. Pyramid Packing Co.
	KMK	CH	10	Seldovia, T. A. Cook Inlet Packing Co.
	KRA	CH	10	Distant Point, Dish Trap, T. A. Same as KLU.
	WOMW	S	....	"Minniehaha."
	WOMX	S	....	"Empress."
	WOMY	S	....	"Glenwood."
	WOPE	S	....	"Admiralty."
2512	KLH	T	....	San Francisco, Calif. Pacific Tele. & Teleg. Co.
2550	WAD	CHC	....	Pt. Washington, Wis. Lorain County Radio Corp.
	WAS	CH	400	Duluth, Minn. Same as WAD.
	WAY	CHT	400	Lake, Bluff, Ill. Thorne Donnelley.
	WMI	CHC	500	Lorain, Ohio. Same as WAD.
3558	KNJT	G	....	Rock Mt. Nat'l. Pk., Colo. Nat'l. Park Service.
	WAK	CC	400	Port Sulphur, La. Southern Bell Tele. & Teleg. Co.
	WSET	G	....	Transient Camps, N. C. Nat'l. Park Service.
2566	KADY	T	40	Petersville, T. A. W. N. Cuddy.
	KFF	..	....	Union Bay, T. A. Nakat Packing Corp., Dexter Horton Bldg., Seattle, Wash.
	KGFO	S	....	"A & P Nakeen." Same as KFF.
	KHV	CH	....	Nakeen, T. A. Same as KFF.
	KIBZ	T	....	Waterfall, T. A. Same as KFF.
	KICC	..	....	Nakeen, T. A. Same as KFF.
	KLA	CH	....	Waterfall, T. A. Same as KFF.
	KLD	CH	....	Hidden Inlet, T. A. Same as KFF.
	KOU	..	....	Wilmington, Calif. Southern Calif. Tele. & Teleg. Co.
	KOO	CH	25	Platinum, T. A. Alaska Traders.
	WFFW	S	....	"Ruth B." Same as KFF.
	WHFF	S	....	"Genevieve H." Same as KFF.
	WIDO	S	....	"Rudolph N." Same as KFF.
	WIDR	S	....	"Hazel Robb." Same as KFF.
	WIDS	S	....	"Barron F." Same as KFF.
	WIDT	S	....	"Sacco." Same as KFF.
	WNFN	S	....	"Lummi Bay." Same as KFF.
	WOFJ	S	....	"Superior." Same as KFF.
	WOLF	S	....	"Quaker Maid." Same as KFF.

	WRBR	S	....	"Frederick C." Same as KFF.
	WRBS	S	....	"Petrel." Same as KFF.
	WSBM	S	....	"Nakeen." Same as KFF.
2572	WCY	CHT	400	West Dover, Ohio. (600 w. days). Radiomarine Corp.
2590	KOU	T	....	Wilmington, Calif. Southern Calif. Tele. Co.
2600	KNIA	F	....	Glacier Nat'l. Park, Mont.
2604	KNJD	G	....	Crater Lake N. P., Ore. Nat'l Park Service.
	KNJE	G	....	Oregon Caves Nat'l. Mon., Ore. Same as KNJD.
	KNJF	G	....	Lava Beds Nat'l. Mon., Calif. Same as KNJD.
	KNJG	G	....	Glacier Nat'l. Park, Mont. Same as KNJD.
	KNJH	G	....	Yosemite Nat'l. Park, Calif. Same as KNJD.
	KNJI	G	....	Zion Nat'l. Park, Utah. Same as KNJD.
	KNJJ	G	....	Bryce Canyon, N. P., Utah. Same as KNJD.
	KNJK	G	....	Lehman Caves Nat'l. Mon., Nev. Same as KNJD.
	KNJL	G	....	Cedar Breaks Nat'l. Mon., Utah. Same as KNJD.
	WXA	T	400	Seattle, Wash. Alaskan Tele. Co., 517 Federal Office Bldg.
	WVD	T	500	Juneau, T. A. U. S. Signal Corp.
	WXH		....	Ketchikan, T. A.
2608	KNCI	FA	....	Monroe, La. Aeronautical Radio, Inc.
	KNCI	FA	....	Dallas, Texas. Same as KNCI.
	KNCY	FA	....	Shreveport, La. Same as KNCI.
	WAJD	FA	....	Jackson, Miss. Same as KNCI.
	WAJE	FA	300	Birmingham, Ala. (600 w. days). Same as KNCI.
	WARG	FA	45	Augusta, Ga. Same as KNCI.
	WEEA	FA	....	Atlanta, Ga. Same as KNCI.
	WEEC	FA	....	Charleston, S. C. Same as KNCI.
	WEFF	FA	....	Spartanburg, S. C. Same as KNCI.
	WEEG	FA	....	Greensboro, N. C. Same as KNCI.
	WEEJ	FA	....	Jacksonville, Fla. Same as KNCI.
	WEEK	FA	....	S. Washington, Va. Same as KNCI.
2612	WQLJ	ZP	120	Racine, Wis. City of R.
	KGTF	FA	....	Ft. Worth, Tex. Aeronautical Radio, Inc.
	KGUA	FA	....	E. Paso, Texas. Same as KGTF.
	KGUG	FA	....	Big Spring, Tex. Same as KGTF.
	KGUP	FA	....	Big Spring, Tex. Same as KGTF.
	KGUQ	FA	....	Phoenix Ariz. Same as KGTF.
	KGUR	FA	....	Glendale, Calif. American Airlines.
	KGUS	FA	....	Blythe, Calif. Same as KGTF.
	KGUT	FA	....	Robertson Mo. Same as KGTF.
	FIOO	FA	....	Oklahoma City, Okla. Same as KGTF.
	KIOS	FA	....	Springfield, Mo. Same as KGTF.
	KIOT	FA	....	Tulsa, Okla. Same as KGTF.
2616	KAEB	T	40	Hydaburg, T. A. Territory of Alaska.
	KAEF	T	40	Jack Wade, T. A. Same as KAEB.
	KAEW	T	....	Umnak, T. A. Same as KAEB.
	KAGI	T	50	Hod Bay, T. A. Hood Bay Canning Co.
	KAJJ	T	....	Atka, T. A. Same as KAEB.
	KAJU	T	....	Attu, T. A. Same as KAEB.
	KAKI	T	....	Yakutat, T. A. Same as KAEB.
	KAMY	..	50	Port Oceanic, T. A. Oceanic Fisheries Co.
	KAQF	T	....	Unalaska, T. A. Same as KAEB.
	KATK	CH	20	Pilgrim Springs T. A. Edw. J. Cunningham
	KBNO	T	10	Havcock, T. A. Wien Alkaska Airlines, Inc.
	KGXM	T	....	Port Alexander, T. A. Karl Hansen.
	WGLM	FA	50	Middleriver, Md. Aeronautical Radio, Inc.
	WGLN	FA	50	Portable on crasn boat. Same as WGLM.
2630	KYZA	G	....	El Paso, Tex. Same as KYZA.
	KYZF	G	....	Alpine, Tex. Same as KYZA.
	KYZG	G	....	Tucson, Ariz. Same as KYZA.
2632	KAMY	..	50	Port Oceanic, T. A. Oceanic Fisheries Co.
	KANA	..	50	Port Williams, T. A. Washington Fish & Oyster Co.
	KAPO	C	....	Carmel, T. A. Alaska Red Salmon Packers, Inc.
	KAQI	T	100	Ouzinskie, T. A. O. L. Grimes.
	KAYM	T	50	Noonah, T. A. Icy Straits Salmon Co.
	KBMQ	T	84	Nulato, T. A. (Kqiyuh Mining District). Three Miners, Inc.
	KBQJ	C	50	Shearwater Bay, T. A. Kadiak Fisheries Co.
	KFA	CH	50	Hoonah, T. A. Same as KAYM.
	KGE	CH	50	Shearwater Bay, T. A. Same as KBQJ.
	KIJP	T	....	Uganik Bay, T. A. San Jan Fishing & Packing Co.
	KIJW	..	50	Shearwater Bay, T. A. Kadiak Fisheries Co., 412 Lowman Co., Seattle, Wash.
	KIIX	..	....	Koddiak Island, T. A. Same as KIJW.
	KIMA	..	....	Port Hobron, T. A. American Pacific Whaling Co., Bellevue, Wash.
	KIOC	..	10	Port Wakefield, T. A. Apex Fish Co.

	KIOD	T	50	
	KIOH	T	50	Nellie Juan, T. A. Copper River Packing Co. Iron Creek, Raspberry Straits, T. A. South- western Herring Co., 2212 Pacific Ave., Ever- ett, Wash.
	KIOI	..	50	Akutan, T. A. Same as KIMA.
	KJS	CH	50	Blue Fox Bay, T. A. George Hogg & Co.
	KKAC	T	50	Zachar Bay, T. A. Chatham Strait Fish Co.
	KSZ	CHT	50	Zachar Bay, T. A. Same as KKAC.
2640	KNBJ	FA	....	Dallas, Texas. Aeronautical Radio, Inc.
	KNBK	FA	....	Brownsville, Tex. Same as KNBJ.
	KNBM	FA	....	Oklahoma City, Okla. Same as KNBJ.
	KNBN	FA	....	Houston, Tex. Same as KNBJ.
	KNBO	FA	....	Kansas City, Mo. Same as KNBJ.
	KNBP	FA	....	Wichita Falls, Tex. Same as KNBJ.
	KNBQ	FA	....	Amarillo, Tex. Same as KNBJ.
	KNBR	FA	....	Corpus Christi, Tex. Same as KNBJ.
	KNBS	FA	....	Austin, Tex. Same as KNBJ.
	KNBU	FA	....	San Antonio, Tex. Same as KNBJ.
	KNBV	FA	....	Ft. Worth, Tex. Same as KNBJ.
	KNKS	F	....	Yosemite Park, Calif.
	KNKU	F	....	Yosemite Nat'l. Park, Calif.
	KNKW	F	....	Yosemite Nat'l. Park, Calif.
	KNKY	F	....	Devil's Post Pile aNt'l. Monument, Calif.
	KNLO	F	....	Death Valley, Calif.
2644	KGSK	FA	....	Billings, Mont. Aeronautical Radio, Inc.
	KNCV	FA	400	Miles City, Mont. Same as KGSK.
	KNWA	FA	....	St. Paul, Minn. Same as KGSK.
	KNWB	FA	....	Fargo, N. Dak. Same as KGSK.
	KNWD	FA	....	Bismarck, N. Dak. Same as KGSK.
	WAEH	FA	....	Milwaukee, Wis. Same as KGSK.
	WAZM	FA	....	Madison, Wis. Same as KGSK.
	WSDS	FA	....	Chicago, Ill.
2670	NMC	G	200	San Francisco, Calif. Treasury Dept. The Commandant, U. S. Coast Guard, Washington, D. C.
	NMD	G	200	Cleveland, Ohio. Same as NMC.
	NMF	GG	....	Winthrop, Mass. Same as NMC.
	NMG	GG	200	Mobile, Ala. Same as NMC.
	NMH	GG	200	Washington, D. C. Same as NMC.
	NMN	G	200	Princess Anne (Virginia Beach), Va. Same as NMC.
	NMP	G	200	Wilmette, Ill. Same as NMC.
	NMV	GG	200	Jacksonville Beach, Fla. Same as NMC.
	NMW	G	200	Westport, (Grays Harbor) Wash. Same as NMC.
	NMY	G	200	Rockaway Beach, N. Y. Same as NMC.
	NNO	GG	200	Honolulu, T. H. Same as NMC.
	NOB	GG	200	Buffalo, N. Y. Same as NMC.
	NOC	GG	200	Charleston, S. C. Same as NMC.
	NOF	GG	200	St. Petersburg, Fla. Same as NMC.
	NOJ	GG	200	San Pedro (Point Vicente), Calif. Same as NMC.
	NOL	GG	200	Fort Lauderdale, Ia. Same as NMC.
	NOM	GG	200	Miami, Fla. Same as NMC.
	NOP	G	200	New York (Flyod Bennett Field), N. Y. Same as NMC.
	NOR	G	200	San Diego, Calif. Same as NMC.
	NOS	GG	....	Salem, Mass. Same as NMC.
	NOU	GG	....	New London, Conn. Same as NMC.
	NOV	GG	200	Cape May, N. J. Same as NMC.
	NOW	GG	200	Port Angeles, Wash. Same as NMC.
	NOX	G	200	Biloxi, Mass. Same as NMC.
	NRGA	GS	....	U.S.C.G. "Aurora." Same as NMC.
	NRGP	GS	....	U.S.C.G. "Perseus." Same as NMC.
	NRUP	GS	....	U.S.C.G. "Tahoe." Same as NMC.
	NRXV	GS	....	U. S. C.G. "CG254." Same as NMC.
	NRYA	GS	....	U.S.C.G. "CG259." Same as NMC.
	NRYB	GS	....	U.S.C.G. "CG260." Same as NMC.
	WWAK	LII	....	Anacapa Island, Calif.
		S	....	S. S. "Velasco."
2698	KCBO	LH	....	Tillamock Rock, Ore.
	NMC	G	....	San Francisco (Pt. Bonita), Calif. Treasury Dept., The Commandant, U. S. Coast Guard, Washington, D. C.
	NMW	G	....	Westport (Grays Harbor), Wash. Same as NMC.
	NOJ	G	....	San Pedro (Point Vincente), Calif. Same as NMC.
2710	KYZM	G	....	Lynden, Wash. U. S. Immigration Border Patrol.
	WWMA	G	....	Detroit, Mich. Same as KYZM.
	WWMC	G	....	Marine City, Mich. Same as KYZM.

2720	KAFH	FA	500	Burbank, Calif. Aeronautical Radio, Inc.
	KGTH	FA	....	Salt Lake City, Utah. Same as KAFH.
	KGTJ	FA	....	Las Vegas, Nev. Same as KAFH.
	KSI	FA	....	Glendale, Calif. Same as KAFH.
	KST	FA	....	Kansas City, Mo. Same as KAFH.
	KSX	FA	2500	Albuquerque, N. Mex. Same as KAFH.
	WAEF	FA	....	Newark, N. J. Same as KAFH.
	WAEQ	FA	....	Chicago, Ill. Same as KAFH.
	WHG	FA	....	Columbus, Ohio. Same as KAFH.
2726	KAJJ	SEM	250	Shreveport, La. Root Petroleum Co.
	KAGK	SEM	250	El Dorado, Ark. Same as KAGJ.
	KAIV	SEM	50	Perris, Calif. State of Calif. Dept. of Natural Resources, Div. of Forestry
	KAIW	SEM	50	Yucaipa, Calif. Same as KAIV.
	KAIX	SEM	40	Portable. Same as KAIV.
	KAMB	SEM	50	Ahlambra, Calif. Southern Calif. Edison Co.
	KASY	SEM	100	Salt Lake City, Utah. Telegram Pub. Co.
	KASZ	SEM	20	Portable—Salt Lake City. Same as KASY.
	KATA	SEM	50	Grass Valley, Calif. Idaho Maryland Mines Corp.
	KATB	SEM	50	Forbestown, Calif. Same as KATA.
	KATR	SEM	53	Mt. Shasta City, Calif. Same as KAIV.
	KAWJ	SEM	500	Norden, Calif. Southern Pacific Co.
	KAWK	SEM	50	Emigrant Gap, Calif. Same as KAWJ.
	KIIW	SEM	175	Los Angeles, Calif. L. A. County Flood Control District, 205 So. Broadway, L. A.
	KIIV	SEM	400	Los Angeles, Calif. Same as KIIW.
	KINT	SEM	....	Los Angeles, Calif.
	KIPI	SEM	50	Beatrice, Nebr. Natural Gas Pipeline Co. of America, Box 486.
	KIPO	SEM	100	Pacoima Dam, Calif. Same as KIIW.
	KIPN	SEM	100	San Gabriel Dam, Calif. Same as KIIW.
	KIPP	SEM	50	Los Angeles County, Calif. Same as KIIW.
	KIPO	SEM	100	Beatrice, Nebr. Same as KIPI.
	KIPP	SEM	50	Red Oak, Iowa. Same as KIPI.
	KIPO	SEM	50	Truro, Iowa. Same as KIPI.
	KIPR	SEM	50	Harper, Iowa. Same as KIPI.
	KIPT	SEM	50	Tujunga Dam, Calif. Same as KIIW.
	KIPU	SEM	50	Forbestown, Calif.
	KIPW	SEM	100	Grass Valley, Calif.
	KNAA	....	....	Downieville, Calif. Rattlesnake Placer Mine.
	KQDK	SEM	20	8 miles n. of Downieville, Calif. Same as KQDK.
	KQDL	SEM	20	Portable-Mobile. Lakeside Radio Club.
	WAGE	....	500	Portable. Superior Pine Products Co.
	WAGG	SEM	5	Lake City, Fla. Fla. State Board of Forestry
	WAGU	F	200	Geneseo, Ill. Same as KIPI.
	WAGO	SEM	50	De Leon Springs, Fla. Same as WAGU.
	WAGZ	SEM	100	Portable. Am. Tel. and Teleg. Co.
	WAIV	SEM	50	Portable. Same as WAIV.
	WAIW	SEM	50	Portable in Fla. Same as WAGU.
	WAIN	F	100	Guayama, Puerto Rico. Gov. of P. R.
	WAJU	SEM	30	Mayaguez, P. R. Same as WAJU.
	WAIV	SEM	85	Brunswick, Ga. Ga. Coastal Plains Timber Protective Ass'n.
	WALC	SEM	250	Dismore, Fla. Same as WAGU.
	WANB	SEM	100	Jamestown, N. Y. Ira Lou Spring Post, American Legion, No. 149.
	WANC	SEM	300	Millbury, Mass. New England Power Co.
	WAOI	SEM	250	Buckland, Mass. Same as WAOJ.
	WAOK	SEM	50	Portable. Edward L. Thompson.
	WEIT	SEM	168	Portable in Ill. State of Ill. Dept. of Public Works and Bldgs.
	WPOX	SEM	168	Portable in Ill. Same as WOPX.
	WOPY	SEM	168	Portable. Chesapeake & Potomac Tel. Co. of Baltimore.
	WRCO	SEM	50	Portable. Same as WRCO.
	WRCS	SEM	50	Portable. Chesapeake & Potomac Tel. Co. of W. Va.
	WRUC	SEM	50	Portable. Same as WRCT.
	WRZS	SE	150	Water Mill, N. Y. Western Union Teleg. Co.
2730	WWMA	G	....	Detroit, Mich. U. S. Immigration Border Patrol.
2736	WAGG	....	10	Portable-Mobile. Superior Pine Products Co.
2738	KBEP	F	....	Patrol Boat "Ranger 7" in Alaska.
	KBFM	F	....	Patrol Boat "Ranger 9" at Juneau, T. A.
	KBFN	F	....	Patrol Boat "Ranger 8" at Petersburg, T. A.
	KBFO	F-SS	....	Juneau, T. A.
	KFSH	S	....	"Stranger."
	KJJB	S	50	S. S. "Elizabeth River." Philadelphia & Norfolk S. S. Co.
	KJLY	S	50	S. S. "Hampton Roads." Same as KJJB.

	KLGU	S	50	Tug "Mamo." Wm. G. Anderson, Young Bros., Pier 21, Honolulu, T. H.
	KLQE	S	50	S. S. "Caroline." (In vicinity of San Pedro); Jos. M. Schenck, 20th Century-Fox Film Corf., Beverly Hills, Calif.
	KLWY	S	....	Yacht "Gipsy."
	KMKH	S	....	Yacht "Samona."
	KMKK	S	....	S. S. "Islamorada." John D. Reilly.
	KMYA	S	....	Patrol Boat "Forester" in Alaska.
	KMBY	S	....	Patrol Boat "Ranger 10" in Alaska.
	VGBQ	S	....	Yacht "Sevelyn."
	WCEK	S	50	S. S. "Bluffin." State of Calif., Dept. of Natural Resources.
	WCY	CHT	400	West Dover, Ohio (600 w. days). Radiomarine Corp.
	WDFL	S	....	Yacht "El Ferrito."
	WDFY	S	....	Yacht "Content."
	WDFY	S	50	Tug "Mikioi." Same as KLGU.
	WDOI	S	....	S. S. "Maliko." Matson Nav. Co., 215 Market St., San Francisco, Calif.
	WIFA	S	....	Tug "Lorna Foss."
	WIFI	S	....	"Cadrew."
	WJDM	S	....	Yacht "Sartarsia."
	WJFD	S	....	Yacht "Migrator."
	WJG	CHT	25	Memphis, Tenn. Warner & Tremble Radio Service.
	WOGK	S	100	Yacht "Mako." Thorne Donnelley.
	WOKQ	S	350	Cruiser "Kenova." S. M. Stody, Whittier, Calif.
	WPKS	S	30	S. S. "Aleksander I." Pete Damaria.
	WPMP	S	30	S. S. "I. B. Edwards." Ole J. Edwards.
	WPPC	S	50	S. S. "North Star." Sam Lonero.
	WQBM	S	50	S. S. "Albacore." Same as WCEK.
2748	KAZV	FA	100	Fairbanks, T. A. Harold Gillam.
	KBRN	FA	3000	Brownsville, Tex. Aeronautical Radio, Inc.
	WAHM	RB	50	Richmond, Va. Richmond Radio Corp.
	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.
2752	CJD	F	....	Campbell River, B. C. Minister of Lands for B. C.
2758	KAIH	RB	25	Portable. Earle C. Anthony, Inc.
	KAQY	RB	40	Wichita, Kans. Farmers and Bankers Brdcastg. Corp.
	KBTA	RB	10	
	WAAO	RB	100	Duluth, Minn. Red River Brdcastg. Co., Inc.
	WAFY	RB	25	Bloomington, Ill. A. M. and D. C. Mc Gregor.
	WAHE	RB	50	St. Paul, Minn. Brdcastg. Corp.
	WAHF	RB	50	Norfolk, Va. WTAR Radio Corp.
	WAOE	RB	50	Norfolk, Va. Same as WAHE.
	WDAJ	RB	40	Aurora, Ill. Martin R. O'Brien.
	WFYA	RB	100	Tampa, Fla. Tampa Times Co.
	WGTO	RB	25	Syracuse, N. Y. Central N. Y. Brdcastg. Corp.
	WHPA	RB	40	Wilson, N. C. WGTM, Inc.
	WIEW	RB	25	Harrisburg, Pa. WHP, Inc.
2760	CZ4B	F	....	New York City. NBC, Inc.
	CZ5C	T	....	Armstrong, Ont. Ont. Dept. of Lands & Forests.
2764	WXMA	....	....	Basswood, Ont. Same as CZ4B.
	WXMD	....	....	Columbus, Ohio. Ohio Nat'l. Guard, 7th Ave. Armory, 1368 N. High St.
	WXME	....	....	
	WXMF	....	....	Toledo, Ohio. Ohio Nat'l. Guard.
	WXMG	....	....	Akron, Ohio. Same as WXMD.
	WXMH	....	....	Youngstown, Ohio. Same as WXMD.
	WXMI	....	....	Dayton, Ohio. Same as WXMD.
	WXMM	....	....	Columbus, Ohio. Same as WXMA.
	WXMO	....	....	Toledo, Ohio. Same as WXMD.
	WXMP	....	....	Cleveland, Ohio. Same as WXMD.
	WXMS	....	....	Columbus, Ohio. Same as WXMD.
	WXMT	....	....	Wooster, Ohio. Same as WXMD.
	WXMV	....	....	Shreve, Ohio. Same as WXMD.
	WXMW	....	....	Canton, Ohio. Same as WXMD.
	WXMX	....	....	St. Mary's, Ohio. Same as WXMD.
	WXMY	....	....	Elyria, Ohio. Same as WXMD.
	WXMZ	....	....	Galion, Ohio. Same as WXMD.
	WXMY	....	....	Piqua, Ohio. Same as WXMD.
	WXMZ	....	....	Caldwell, Ohio. Same as WXMD.
	WXNA	....	....	Portsmouth, Ohio. Same as WXMD.
2770	WWMD	G	....	Derby Line, Vt. U. S. Immigration Border Patrol.
	WWME	G	....	Chateaugay, N. Y. Same as WWMD.
	WWMO	G	....	Ogdensburg, N. Y. Same as WWMD.
	WWMP	G	....	Rousses Point, N. Y. Same as WWMD.

	WWMR	G	....	Richford, Vt. Same as WWMD.
2775	WWMH	G	....	Highgate Springs, Vt. U. S. Immigration Border Patrol.
2776	KRR	C	....	Bolinas, Calif.
2790	KAAD	RB	40	Fort Worth, Texas. Tarrant Brdctg Co.
	KAAR	RB	40	Denver, Colo. KLZ Brdctg. Co.
	KAOE	RB	50	Shenandoah, Iowa. KFNF, Inc.
	KBOL	RB	20	Omaha, Nebr. Woodmen of the World.
	KDAC	RB	25	Fresno, Calif. George Harm.
	KDEA	RB	40	Kansas City, Mo. KANS.
	KDIB	RB	125	Mason City, Iowa. Globe-Gazette.
	WAHL	RB	40	Paducah, Ky. Paducah Brdctg. Co.
	WAIH	RB	50	Chicago, Ill. WGN, Inc.
	WAIN	RB	25	Peoria, Ill. Peoria Brdctg. Co.
	WAIY	RB	100	Utica, N. Y. WIBX, Inc.
	WATS	RB	100	Akron, Ohio. Allen T. Simmons.
	WAUT	RB	50	Evansville, Ind. WEOA.
	WAXE	RB	500	Richmond, Va. Havens & Martin, Inc.
	WBAO	RB	2	Newark, N. J. Bamburger Brdctg. Serv., Inc.
	WBAQ	RB	30	Newark, N. J. Same as WBAO.
	WDAC	RB	10	Madison, Wis. Univ. of Wis.
	WEHL	RB	....	Bangor, Maine. Community Brdctg. Service, Inc.
	WGHB	RB	40	Tampa, Fla. Ia. West Coast Brdctg. Co.
	WHMB	RB	10	Anniston, Ala. Harry M. Ayers. WHMA.
	WHPT	RB	50	High Point, N. C. Station WMFR, Inc.
	WNYK	RB	50	New York City. Municipal Brdctg. System.
	WNYL	RB	50	New York City. Same as WNYK
	WNYN	RB	3	New York City. Same as WNYK.
	WNYO	RB	3	New York City. Same as WNYK.
	WRDI	RB	100	Danville, Ill. Northwestern Pub. Co.
	WTHB	RB	40	Tampa, Fla. WELA.
	WTNK	RB	40	Trenton, N. J. WOAX, Inc.
2804	KGHP	MP	....	Lawton, Okla. City of L.
	KGHX	ZP	....	Santa Ana, Calif. Orange County.
	KGHZ	ZP	100	Little Rock, Ark. City of L. R.
	KHPF	ZP	500	Jefferson City, Mo. State of Mo. Highway Patrol.
	KHPG	ZP	200	Kirkwood, Mo. Same as KHPF.
	KNFE	ZP	500	Duluth, Minn. City of D.
	KOHM	ZP	....	State of Ore., Police & Highway Depts.
	KOSO	ZP	125	Oklahoma City, Okla. State of Okla. Dept. of Pub. Safety.
	KQBX	XP	50	Mobile, State of Wash.
	WPGG	ZP	300	Findlay, Ohio. State of Ohio.
	WPGQ	ZP	....	Columbus, Ohio. State of Ohio.
	WPHC	ZP	300	Massillon, Ohio. Same as WPGG.
	WPHK	ZP	300	Wilmington, Ohio. Same as WPGG.
	WPHN	ZP	500	Tampa, Fla. City of T.
	WPHT	ZP	300	Cambridge, Ohio. Same as WPGG.
	WQJ	ZP	120	Racine, Wis. City of R.
	WQMG	ZP	50	Pontiac, Mich. City of P.
	WQPJ	ZP	250	French Village, Ill. State of Ill. Dept. of Pub. Works and Bldgs. Div. of Highways.
	WQPY	ZP	168	Portable in Ill. Same as WQPJ.
2808	K6HP	ZP	....	Lawton, Okla. City of L.
	KGHX	XP	....	Santa Ana, Calif. Orange County.
	KGPI	ZP	500	Beaumont, Tex. City of B.
	WQFJ	ZP	250	French Village, Ill. State of Ill. Dept. of Pub. Works & Bldgs.. Div. of Highways.
	WQFZ	ZP	19	Portable in Ill. Same as WQFJ.
2812	KGHX	ZP	....	Santa Ana, Calif. Orange County.
	KGHZ	ZP	100	Little Rock, Ark. City of L. R.
	KGPI	ZP	500	Beaumont, Tex. City of B.
	KHPF	ZP	500	Jefferson City, Mo. State of Mo.
	KNFE	ZP	500	Duluth, Minn. City of D.
	KOHM	ZP	....	State of Ore. Police & Highway Depts.
	WPGQ	ZP	....	Columbus, Ohio. State of Ohio.
	WPHN	ZP	500	Tampa, Fla. City of T.
2822	WWMB	G	....	Buffalo, N. Y. U. S. Immigration Border Patrol.
2830	KAOG	RB	8	Los Angeles, Calif. Don Lee.
	KBQA	RB	20	Winona, Minn. Winona Radio Service.
	KEMA	RB	25	Shenandoah, Iowa. May Seed Co.
	KNEB	RB	10	Tacoma, Wash. Puget Sound Brdctg. Co.
	KSCR	RB	100	Sacramento, Calif. McClatchey Brdctg. Co.
	WAUB	RB	40	Nashville, Tenn. WSIX.
	WAUO	RB	50	Syracuse, N. Y. Onondaga Radio Brdctg. Corp.
	WBAC	RB	2	Portable, N. J. Brdctg. Corp.
	WFYB	RB	50	Cincinnati, Ohio. CBS, Inc.
	WJRA	RB	250	Detroit, Mich. WJR, the Good Will Station.
2854	KNCI	FA	....	Monroe, La. Aeronautical Radio, Inc.



	KNCJ	FA	....	Dallas, Tex. Same as KNCL.
	KNCY	FA	....	Shreveport, La. Same as KNCL.
	WAJD	FA	....	Birmingham, Ala. (600 w. days). Same
	WAJE	FA	300	Jackson, Miss. KNCL.
	WAFE	FA	....	Daytona Beach Fla. Same as KNCL.
	WAJG	FA	....	Murfreesboro, Tenn. Same as KNCL.
	WAPH	FA	....	Indianapolis, Ind. Same as KNCL.
	WAJI	FA	....	Vero Beach, Fla. Same as KNCL.
	WAJY	FA	400	St. Petersburg, la. Same as KNCL.
	WARG	FA	45	Augusta, Ga. Same as KNCL.
	WAZM	FA	40	Madison, Wis. Same as KNCL.
2870	KGJW	FA	....	Brownsville, Tex. Aeronautical Radio, Inc.
	KGUA	FA	....	El Paso, Tex. Same as KGJW.
	KGUG	FA	....	Big Springs, Tex. Same as WGJW.
	KGUN	FA	....	Douglas, Ariz. Same as KGJW.
	KGUR	FA	....	Glendale, Calif. Same as KGJW.
	KNCH	FA	....	El Paso, Texas. Same as KGJW.
	WKDI	FA	1000	Miami, Fla. Pan American Airways, Inc.
	WMDU	FA	....	San Juan, P. R.
	KAFH	FA	500	Burbank, Calif. Aeronautical Radio, Inc.
	KBKD	FA	100	Portable. Same as KAFH.
2906	KGSV	FA	....	Great Falls, Mont. Same as KAFH.
	KGSW	FA	400	Helena, Mont. Same as KAFH.
	KGTA	FA	....	Winslow, Ariz. Same as KAFH.
	KGTD	FA	....	Wichita, Kans. Same as KAFH.
	KGTH	FA	....	Salt Lake City, Utah. Same as KAFH.
	KGTI	FA	....	Las Vegas, Nev. Same as KAFH.
	KGTL	FA	....	Kingman, Ariz. Same as KAFH.
	KGTR	FA	....	Roberston, Mo. Same as KAFH.
	KGTX	FA	....	Pocatello, Idaho. Same as KAFH.
	KGTY	FA	....	Butte, Mont. Same as KAFH.
	KNCS	FA	....	West Yellowstone, Mont. Same as KAFH.
2912	KAIH	...	20	Anchorage, T. A. Libby, McNeill & Libby.
	KAMP	...	100	Craig, T. A. Same as KAJH.
	KAMS	...	100	Taku, T. A. Same as KAJH.
	KAMT	...	50	Kenai, T. A. Same as KAJH.
	KANA	...	50	Port Williams, T. A. Washington Fish & Oy- ster Co.
	KANM	...	10	Burnett Inlet, T. A. Burnett Inlet Salmon Co.
	KAST	C	20	Caribou Creek, T. A. Lester B. Walbridge.
	KAYK	T	50	Kantishna, T. A. Morris P. Kirk & Son.
	KBME	T	20	Chatham, T. A. R. H. Farish.
	KBNC	T	20	Caribou Creek, T. A. Mortimer I. Stevens.
	KBNE	T	20	Feldergale, T. A. Felder, Gale, Inc.
	KBNM	T	20	American Creek, T. A. Ted C. Mathews.
	KBOM	T	25	Platinum, T. A. Alaska Traders.
	KBOZ	T	24	Fairbanks, T. A. Louis F. Joy.
	KNBI	FA	10	Myrtle Creek, T. A. Rudolph W. Kransi.
	KNBK	FA	....	Dallas, Texas, Aeronautical Radio, Inc.
	KNBO	FA	....	Brownsville, Texas. Same as KNBK.
	KNBP	FA	....	Kansas City, Mo. Same as KNBK.
	KNBQ	FA	....	Wichita Falls, Tex. Same as KNBK.
	KNBR	FA	....	Amarillo, Texas. Same as KNBK.
	KNBS	FA	....	Corpus Christi, Tex. Same as KNBK.
	KNBU	FA	....	Austin, Tex. Same as KNBK.
	KNBV	FA	....	San Antonio, Tex. Same as KNBK.
	KNCE	...	100	Fort Worth, Texas. Same as KNBK.
	KNCF	...	100	Ekuk, Bristol Bay, T. A. Libby, McNeill & Libby.
	KNGS	...	70	Egegik, T. A. Same as KNCE.
	KOO	CH	50	Keggung, T. A. Same as KNCE.
2922	KAZY	FA	100	Chatham, T. A. Same as KAYK.
	KBIC	FA	50	Fairbanks, T. A. Harold Gillam.
	KBOF	FA	50	Corpus Christi, Tex. Aeronautical Radio, Inc.
	KBRN	FA	3000	Rainy Pass District, T. A. Star Air Lines Rhon River Emergency Field.
	BFRG	FA	30	Brownsville, Tex. Same as KBLC.
	KUCFI	A	30	Valdez, T. A. Lyle Airways.
	KUCIS	A	30	NC-552-N. Peck & Rice Airways, Bethel, T. A.
	WAHY	FA	1000	NC-10795. Star Air Lines.
	WAUZ	FA	50	Memphis, Tenn. Same as KBLC.
	WARS	FA	50	Birmingham, Ala. Same as KBLC.
	WEEL	FA	50	Muscle Shoals, Ala. Same as KBLC.
	WGSA	FA	50	Beaumont, Tex. Same as KBLC.
	WSIM	FA	400	Greenville, S. C. Same as KBLC.
2946	KRIC	FA	50	Tampa, Fla. Same as KBLC.
	KRRN	FA	3000	Corpus Christi, Tex. Aeronautical Radio, Inc.
	KGTN	FA	....	Brownsville, Tex. Same as KBLC.
				Ft. Worth, Texas. Same as KBLC.
				Beaumont, Calif. Same as KBLC.

	KGUN	FA	....	Douglas, Ariz.	Same as KBLC.
	KGUO	FA	....	Tucson, Ariz.	Same as KBLC.
	KGUO	FA	....	Indio, Calif.	Same as KBLC.
	WAHY	FA	1000	Memphis, Tenn.	Same as KBLC.
	WAHZ	FA	50	Birmingham, Ala.	Same as KBLC.
	WARS	FA	50	Muscle Shoals, Ala.	Same as KBLC.
	WATE	FA	200	Tallahassee, Fla.	Same as KBLC.
	WATF	A	200	Tallahassee, Fla.	Same as KBLC.
	WEEL	FA	50	Beaumont, Tex.	Same as KBLC.
	WGSA	FA	50	Greenville, S. C.	Same as KBLC.
	WSJM	FA	400	Tampa, Fla.	Same as KBLC.
2952	KBAZ	F	....	Boise, Idaho.	
	KBCP	F	....	Boise, Idaho.	
	KBCQ	F	....	Boise, Idaho.	
	KBDF	F	....	Boise, Idaho (Boise Forest).	
	KBDK	F	....	Susanville, Calif.	Supply Depot.
2986	KAFW	FA	....	Panair V-I-P.	Pan American Airways Co.
	KAGN	T	50	Portable.	Alaska Aeronautics & Communications Commission.
	KAGO	T	10	Portable.	Same as KAGN.
	KAMX	C	40	Utopia Creek, T. A.	L. McGee.
	KAMY	...	50	Port Oceanic, T. A.	Oceanic Fisheries Co.
	KANF	...	40	Olger, T. A.	E. Odin Strandberg.
	KBLC	FA	50	Corpus Christi, 8Tex.	Aeronautical Radio, Inc.
	KBMJ	...	50	Drier Bay, T. A.	Northwestern Herring Co.
	KBNC	T	20	Felderagle, T. A.	Alaska, Traders.
	FBNM	T	25	Brownsville, Tex.	Same as KBLC.
	KBRN	FA	3000	Portable.	Same as KAGN.
	KEXO	T	50	Portable.	Same as KAGN.
	KEXP	T	50	Todd, T. A.	Peril Straits Packing Co., Stacey
	KGQ	...	50	St. and E. Waterway,	Seattle, Wash.
	KIMF	...	....	Fairbanks, T. A.	
	KINH	...	....	Todd, T. A.	Same as KGQO
	KINL	...	....	Ketchikan, T. A.	
	KINZ	FA	....	Juneau, T. A.	
	KNCO	FA	....	Skagway, T. A.	
	WAIIZ	FA	1000	Launch "Guam."	Same as KAFW.
	WAIIZ	FA	50	Memphis, Tenn.	Same as KBLC.
	WARS	FA	50	Birmingham, Ala.	Same as KBLC.
	WEEL	FA	50	Muscle Shoals, Ala.	Same as KBLC.
	WGSA	FA	50	Beaumont, Tex.	Same as KBLC.
	WSJM	FA	400	Greenville, S. C.	Same as KBLC.
				Tampa, Fla.	Same as KBLC.

*To Be Continued in the Next Issue*

**Explanation of the Third Column Symbols:**

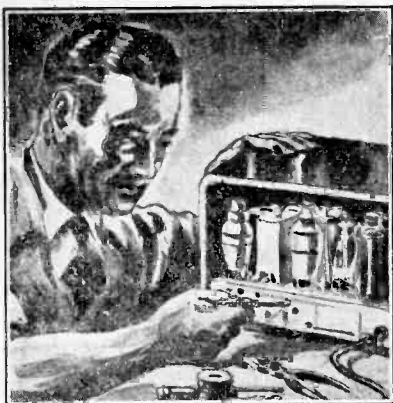
- A—Aircraft.
- B—Broadcast.
- C—Commercial Telegraph.
- F—Forestry.
- G—Government.
- P—Police.
- S—Ship.
- T—Radio Telephone.
- FA—Aeronautical (ground).
- FMB—Frequency modulated broadcasting station.
- GEO—Geophysical.
- RC—Circular radiobeacon.
- RD—Directional radiobeacon.
- RG—Direction finding station.
- LH—Lighthouse.
- RR—Radio range station.
- MP—Municipal police.
- SP—State police.
- ZP—Zone police.

- EM—Emergency.
  - SEM—Special emergency.
  - MF—Marine fire.
  - MR—Marine Relay.
  - PR—Press relay.
  - RB—Relay broadcast.
  - FAC—Facsimile.
  - TV—Television video.
  - TA—Television audio.
  - NCE—Non-commercial educational.
  - CC—Coastal Telegraph.
  - CH—Coastal harbor.
  - CHC—Coastal harbor telegraph.
  - MT—Coastal harbor telephone.
- E  
E1  
E2  
E3  
GE—General Experimental.  
SE—Special Experimental.

} 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).

## Turner Dial Sees A Radio Blitzkrieg



The trees on the distant horizon raced across the red face of the setting sun as Turner Dial's train hurried toward home. Turner relaxed comfortably in his seat; he recalled the crowded afternoon trains down from the great city. But now everybody drove their own cars. Yes, he reasoned, the world was more modern. And radio was the most outstanding of all—here it was about to go revolutionary. Turner Dial felt certain that a radio blitzkrieg was at hand!

He had a right to this opinion. Turner had just been to the city attending meetings for progressive radio service men who, like himself, knew they must prepare to meet the revolution that was to come. A new kind of radio was to sweep the land, a system known as frequency-modulation. In fact, Turner had visited several large factories, and had watched the new receivers come down the assembly line. He was impressed that here at last was something entirely new; it was sure to become popular almost instantly. Then, too, as was usually the case when Turner Dial visited manufacturers, he was bringing back a few samples.

The sun was gone, and street lights began to flash by the car windows. A quick run through the familiar

yards, and the train entered the ancient and smoky station. Turner strolled leisurely from the car and, passing the express office, heard a voice call: "Say, Mr. Dial! We've unloaded some express crates for you. Want 'em delivered before we close?"

Turner grinned. "Sure", he answered. "Fast work! I'll be at the store in a few minutes."

Avoiding the waiting room, Dial walked down a freight spur and dodged beneath the crossing gate. He swung into an alley in the rear of the town's main business street and, after a few more steps, arrived at the rear entrance to Higrade Radio Sales and Service. The truck stood by the shipping door. Feeling the radiator, Turner found it cold. "Bet Bill Wood hasn't been out today," he muttered, and then stepped into the brightness and warmth of his well-known service department. Bill Wood, the somewhat excitable handy man and assistant, was nowhere to be seen. But his voice could be heard. Turner slipped off his coat, and entered the store in search of Bill and the cause for his loud argument.

It was a customer Bill Wood was lecturing. "This new system," he was saying in his most positive manner, "is a big thing, but we are not trying it out and don't expect to be able to get any of the new frequency-modulation sets for a long time to come. So, if you want a new set, Mister, you better get a standard radio and forget all about this new idea!"

By this time Turner had reached the counter where Bill Wood was holding forth. "Just in time, Boss," smiled Bill, "this gentleman says he wants a new frequency-modulation receiver right away. Sorry, but we can't do anything about it."

Dial turned toward the customer. "My assistant here," he began, "doesn't know the latest. I've just come back from the city, full of information, and soon the store will be

full of the new sets you want." Bill Wood began to look perplexed. "This frequency modulation is a big thing, let me tell you! I brought back a few demonstrator sets and I'll be happy to show them to you in a day or so."

As if to verify Turner's statement, loud bumping sounds arose at the rear door. Bill Wood hurried to investigate and soon was assisting the expressman with several large crates.

The customer gazed expectantly. "I'm sick and tired of static," he moaned.

"Who isn't?" inquired Turner by way of reply. "That's just why this new system is going to be a blitzkrieg as soon as the powers-that-be permit broadcasting stations to cover the country."

"If this new modulation scheme will cut out static and improve reception and give fine reproduction, like they all say it will, I'll buy one of your sets right now." The customer had such a determined look that added.

"Not now," replied Turner. "I've only arrived from the station, and it will take quite some time to unpack these crates and get the receivers set up. At least a couple of hours."

"All right," exclaimed the customer. "Suppose I come back tonight?"

"Fine," remarked Turner. "There'll very likely be a number of radio fans hanging around here too. We can all discuss this thing."

Bill Wood began to remove the crates from three new receivers. Soon cabinets were exposed, and they certainly made a fine appearance.

"Whew!" exclaimed Bill. "Ain't they dandies? Let's hook one up and try it right now!"

Turner liked Bill's enthusiasm. But he said: "Not just now, Bill. These sets work on high frequencies, and the stations broadcasting this new service are scheduled for certain hours. Maybe the station supplying our area is off the air at this time. So, let's eat, and then get busy. Might as well close the store tonight

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*Commercial*



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Think of an outstanding communications receiver for this exceptionally low price! TUNES FROM 545 kcs. to 30,500 kcs. IN THREE BANDS AND COVERS STANDARD BROADCAST and has a beat frequency oscillator for locating weak stations, self-contained speaker, headphone tip jacks and directly calibrated dial with various channel services marked. Other features are: AC/DC operation, 115/125 volts, electrical band spread on all bands, dial calibrated in megacycles with all important service bands indicated band spread logging scale, complete isolation for headphones through phone circuit transformers and undistorted power output 6/10 watts.

Receiver is housed in a metal cabinet nicely finished in satin black lacquer. Size is 7½" high x 10¾" wide x 7¾" deep. Shipping weight 12 lbs.

**Price Complete With Tubes is Only \$19.95**

**Order from  
RADEX**

**12 Locust Ave. Emerson, N. J.**

when the gang gets in here and finds out what we have."

When Turner returned, after having his fill of good hot food, he found the customer awaiting him in the store. "Come back to the service room," Dial invited. He motioned to a chair and the man seated himself. Turner did likewise. Soon the old pipe was drawing well, and the antique that was the office chair squeaked loudly as Turner leaned back. He told briefly about his trip to the city, and discussed a few of the various makes of the new receivers and told about prices. "In a few weeks we will have different makes of these sets, and there will be a public display. Just now we are going to demonstrate, and make deliveries a little alter after taking orders." The customer nodded assent and assured Dial that he could wait a while. "We service men surely have something new to worry about now. Looks as if we will have to learn servicing all over again. But it's not going to be so bad. After all, frequency modulation and the older system of amplitude modulation are quite similar." Just then loud voices and thumping feet at the entrance to the store announced the arrival of some of the young fellows who occasionally dropped in.

Several voices called simultaneously. "Hey, there! Where did these new radios come from?" With those words several young men moved toward the service room where Bill Wood was dusting off the work bench that often served as a seat when the gang gathered about to listen to Turner Dial.

Turner settled deeper in his chair. He nodded to the newcomers. "Yep!" he agreed. "They are new all right. I've had to learn some new things about radio while I was away. Those radio sets happen to be the new frequency-modulation types!" And Turner watched the expressions on the faces of his listeners.

"Frequency modulation?" inquired one of the group. "Gez," he added,

"I've heard so much about it, but don't know how it works. How about explaining?"

"Well," Turner Dial began as he refilled the pipe, "I've been to the factories and to meetings of service men, and all they talked about was 'FM', as it is called. Service men, as usual, are the first to be hit when some revolutionary change comes along in radio. So we have to get busy and learn what its all about. But it has some bad features too, for it can make other sets obsolete if everything is changed over to FM. That can't very well happen, and anyone who buys a standard type of radio will not be stuck with something that won't be of much use after a few months or a year. So, there's nothing to worry about. I expect to sell the present type of 'AM' or 'amplitude modulation' radios for many years to come, but we will also dispose of a great many FM receivers, too."

"That is what I have been told," remarked the new customer.

"Except that FM really is here, and a number of well-known manufacturers have already placed such receivers on the market," corrected Turner Dial. "There are a number of FM transmitters operating and more will be ready by the beginning of 1941. Some receivers are made to take in both FM and AM broadcasting, and therefore, can be used on both systems. There is even a converter so you may use your old set on the FM system. Some sets are expensive, as much as \$500, and others are quite reasonable—as low as \$75."

"Why is FM so different? Does it prevent static? How does it work?" One of the listeners plied Turner with questions.

"Let's make a long story short," commented Turner Dial. "A well-known radio engineer, Majod Edwin H. Armstrong, invented this new system. He is the father of modern radio, for it was his early regenerative circuit that squealed in our ears during the years we used headphones.

It brought in DX as well as many modern receivers, but not so loud. Then came his superheterodyne circuit that is now used so widely in every radio. Many people always held to the hope that static could be eliminated; they knew very well that a fortune would be made by the person who conquered static and interference. There have been a good many new schemes and special antennas, but little has been accomplished toward combating Mother Nature and atmospheric static. Then Major Armstrong, who had never given up hope, sprung his new FM idea on the radio profession. It just about knocked 'em cold. For, in order to block out static he had to redesign the entire radio system. That is what makes it so revolutionary. And that part of Armstrong's idea wasn't so hot. It means that two systems will be going. Just like the old days when most towns had two telephone companies, and everybody had 'both phones.' That's what we'll have to do with radio—listen to 'both systems'".

The little gathering stirred and rearranged themselves along the work bench. No customers interrupted, and all were eager that Turner continue.

"They say," added Turner Dial, "that FM not only blots out every trace of noise during a severe local thunderstorm, but it improves reception until it is absolutely lifelike. Our old AM system sends out waves that are given an 'amplitude modulation'. That is, the voice-current fluctuations from the microphone are impressed on the radio-frequency carrier wave from the transmitter so as to give the wave a vibration. The wave length or frequency of this carrier never varies from its set standard. If it does we have to change the position of our tuning dial. The changes in power or amplitude controlled by the microphone cause the modulation of the carrier wave. This is limited, for the best AM set cannot cover the entire range of audible

sound—only from about 40 to 8,000 cycles per second. The new FM system covers the full range, or from 30 to 15,000 cycles a second. With it we shall hear notes that never before came over the air, even with fine high - fidelity receivers. Frequency-modulation is the reverse of amplitude modulation. In FM the amplitude is constantly uniform, and the modulation of the carrier is accomplished by varying the frequency of the wave. The receiver, therefore, constantly varies its receiving wave length or frequency within certain narrow limits. Frequencies are not so abundant in the broadcast band as they are in the short-wave channels. Since FM requires a wider band, because it swings to either side of a tuning point, it therefore must operate in the ultra-short-wave or high-frequency band where many channels are available for all the services to be on the air. So, in order to use a FM receiver, you must go far down into the short waves, from about 40,000 to 50,000 cycles, or 40 to 50 megacycles. Now, that also is bad, and I'll tell you why."

Turner Dial yawned. He was tired, and it was getting late. "It's bad," he continued, "to attempt to force a new radio system on the public if ultra-high frequencies are to be used. You see, these high-frequency FM signals travel only in a straight line, like a beam of light. They can't bend around the curvature of the earth like long waves in ordinary AM broadcasting. These very short waves really follow the path of vision used by the human eye. 'You can hear what you can see,' is the motto for FM reception."

"That means if we live too far from a broadcasting station we are out of luck," interrupted Bill Wood.

"Exactly," agreed Turner. "But it's up to the radio people to locate stations properly so as to cover the country. They will not be able to get over 100 miles from any transmitter, and then the station must be on a skyscraper or mountain top. In these

cases the range of visibility is greater, and FM signals will carry farther. When they approach the horizon they shoot off into space, and our receiving antennas will not reach up that far. That's the trouble with ultra-short waves, such as the 5-meter band. Television, too, has this same trouble."

The customer arose. "Well," he remarked, "this has been interesting, and it sounds as FM radio is here to stay. But how about FM and television clashing? Is there room for both?"

Turner was moving toward the front of the store. "That is just what is going to give the radio experts and communications people down in Washington one great big headache!" he commented with a smile. "Come back soon and we'll talk about these sets on the floor and the new ones that are coming out. And we'll also get a line on the stations operating for FM radio listeners. We'll have some demonstrations, and compare the new with the old." With that promise Dial waved to the departing group. "Lights out!" he called to Bill Wood.

### Old Issues Available

Nearly all issues of Radex from 1931 until 1939, are available at the new reduced price of ten cents each, sent postpaid.

Following are some 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.

This Hobby Called DXing, the International Prefixes, the QSA and R. Codes, Jan. '39.

Stations of New Zealand, April '39.

**W8TLI, manager of Princeton Radio Company, says, "I can carry all the merchandise ever returned to us by dissatisfied customers in my watch pocket." (Adv.)**



### By ANNE TENNA

With 1935 members, and with the membership list growing every day, The Radex Club is, almost without a doubt, the largest and fastest growing radio club in the country. The map which heads this column shows the states which can boast of having at least five members. The only states in the country which have fewer than five members are Arkansas, with four; Idaho with three; Mississippi, with four; Nevada, with four; South Carolina and South Dakota, with three each, and Utah, with four members.

In some parts of the country, the growth of the club is due in a large measure, to the individual efforts of certain members. Russell Cain of Reno, Nevada, for example, is making his friends radioconscious, and in Moosic, Pa., Robert Camp has enrolled several members. Club members are particularly active in Chicago, New Orleans, Johnson City, Tenn., and in Washington, D. C.

Mr. Jack Beardall, owner of the Chatham, Ontario radio station CFCO, and a member of the Radex Club, advises us that his Radio Club Broadcast has resumed its activities, and the program will be broadcast this season every Sunday morning from 10 to 10:30 am. EST.

Anyone who is interested in DXing may join the Radex Club. There are no obligations and no fees. Just send your request for membership on a postal card and we will send your membership card.

### V. A. C.

The VAC awards of The Radex Club are "different." A series of six plaques each different, suitable to hang on the wall of the radio den, is awarded to listeners who verify all continents. But (and herein they are different from other awards), the plaques may be obtained one at a time. If you have verified only one continent, you may get a plaque for that continent. Any DXer who hears a radio station can qualify for at least one of these awards, and they are available whether you tune the broadcast band, the shortwave bands or the amateur bands. And the nominal charge of ten cents each just covers the cost of mailing them to members and returning the verifications which are submitted as required.

To get these VAC plaques, one verification from each continent is required, except that three verifies from the continent on which you live are required for your own continent's plaque. Thus, members living in North America can send one verification for Europe, Asia, Africa, South America. The three verifies from your own continent must be from three different countries.

#### The Continents

**NORTH AMERICA:** Includes the countries of Canada, Newfoundland, Greenland, The United States, the territory of Alaska and all the Aleutian Islands, the countries of Central America, Bermuda, all the countries of the West Indies, i. e., the Bahamas, the Greater Antilles, the Lesser Antilles, the French West Indies, the British West Indies, but not the Netherland Antilles. In the Pacific Ocean, the Cocos and Clipperton Islands are included in the continent. Through the Bering Sea to the North Pole the continental boundary follows the International Date Line.

**SOUTH AMERICA:** Includes the entire mainland, and the Netherland Antilles to the north. In the Atlantic Ocean the several islands belonging

to Brazil are included, as are the Falkland Islands. In the Pacific Ocean, the Galapagos and the several islands belonging to Chile are included.

**EUROPE:** Includes, to the north, Novaya Zembla, Spitzbergen and Iceland. In the Atlantic Ocean, the Azores are included. In the Mediterranean Sea, the following islands are considered as European: Sardinia, Balearics, Corsica, Malta and Crete. The eastern boundary of Europe starts in Kara Bay, continues southward, through the Obdorsk Mountains, the Ural Mountains and the Ural River, to the Caspian Sea, then through the Caucasus Mountains to the Black Sea.

**AFRICA:** Includes none of the Mediterranean Islands. In the Atlantic Ocean, it includes the Madeiras, the Canaries, the Cape Verdes, Ascension and St. Helena. In the Indian Ocean, Madagascar, the Seychelles, Reunion, Mauritius, and Rodriguez. Africa's eastern boundary goes through the Suez Canal the Red Sea and the Gulf of Aden.

**ASIA:** The western boundary of Asia is the same as the eastern boundaries of Europe and Africa. All the islands in the Arabian Sea are included in Asia, as well as those in the Bay of Bengal. Asia's eastern frontier includes all of Japan, the island of Taiwan and Hong Kong Island. From Taiwan the boundary passes through the South China Sea to Singapore, then through the Malacca Straits to the Bay of Bengal.

**OCEANIA:** Includes Australia and New Zealand, and the so-called Islands of the Pacific, extending as far north as the Hawaiian Islands, which are included. The Philippines and all the Netherland East Indies are considered as part of Oceania.

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**YOU WILL SAVE 75 CENTS  
SEE PAGE 96**



# 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. Sun 9 am-5:15 pm; 7 pm-midnight. Other days 8-9 am; 12:45 to 3:45 pm; 5:15 pm to 12:15 am.	5035	YV5RN	Caracas, Venez. 4-11:30 pm; Sunday 8-11:30 am; 3:30-10:30 pm.
4820	YV9RN	Barquisimeto, Venezuela. 11:30 am-1:30 pm; 5:30-9:30 pm.	5145	PMY	Bandoeng, Java, N. E. I. 5:30 am-noon.
4825	HJED	Cali, Colombia. 7 am-1 pm; 7-10:30 pm.		OK1MPT	Prague, Bohemia.
4825	HJAE	Cartagena, Colombia. 7 am-6 pm; 7-11 pm.	5460	YNOP	Managua, Nicaragua. 8:30-9:30 pm; Sun. 2-3 pm.
4840	YV4RX	Maracay, Venez. 7-10 pm.	5725	HCI1PM	Quito, Ecuador. Mon, Tues, Thurs, 8-10 pm.
	VUC2	Calcutta, India. 6:30 am-12 noon; Sunday, 7:30 am.	5820	TIGPH2	San Jose, Costa Rica. Noon-2 pm; 7-11 pm.
4845	HJCD	Bogota, Colombia. 6-11 pm.	5830	TIGPH	San Jose, Costa Rica. 7-10 pm.
4850	YV1RZ	Valera, Venez. 11:30 am-1 pm; 5:45-8:45 pm.		TIX	San Jose, Costa Rica. 10 pm-midnight.
4855	HJCF	Bogota, Colombia. Weekdays, 7 pm-midnight.	5875	HRN	Tegucigalpa, Honduras. 6-11 pm.
4860	YV1RL	Maracaibo, Venez. 11 am-1 pm; 4:30-10:30 pm.	5885	TGXI	Guatemala City, Guat. 8-11:30 pm.
4865	HJFK	Pereira, Colombia. 6-10:30 pm.		HI9B	Santiago, Dominican Rep. 6-11 pm.
4875	HJFH	Armenia, Colombia. 8-11 am; 6-10 pm.	5900	ZNB	Mafeking, British Bechuana-land. 6-7 am; 1-2:30 pm.
4880	YV1RM	Maracaibo, Venez. 7-9:30 pm.	5936	PJC1	Curacao, N. W. I. Sun. 10:36 am-12:36 pm; week- days 6:36-8:36 pm.
	VUB2	Bombay, India. 6:30 am-noon.	5940	OAX2A	Trijillo, Peru. Tues, Thur, Sat, Sun, 7-10 pm.
	YV6RU	Bolivar, Venez. Weekdays 6:30-9:30 pm.	5960	HI1J	San Pedro de Macoris, Domi- nican Rep. 11:40 am-1:40 pm; 6-8:30 pm.
4885	HJDP	Medellin, Colombia. 8 am-2 pm; 6-11 pm.	5968	HVJ	Vatican City.
4890	HJGD	Bucaramanga, Colombia. 5:30-6:30 am; 11:30 am-1 pm; 6-11 pm.	5975	VONG	St. John's Newfoundland, 4:30-9:30 pm.
	YV1RX	Maracaibo, Venez. 10:30 am-1:30 pm; 4:30-10:30 pm.		OAX4P	Huancayo, Peru. 9-11 pm.
4895	HJCH	Bogota, Colombia. 11:30 am-2 pm; 6-11 pm.	5977	CS2WD	Lisbon, Portugal. 3:30-6 pm.
4900	YDA	Batavia, Java. 5:30 am.	5985	HH2S	Port-au-Prince, Haiti. 6:30-9 pm.
	YV6RT	Bolivar, Venez. 5:30-9:30 pm.	5990	ZEA	Salisbury, Southern Rhodesia. Sunday 3:30-5 am.
4905	HJAB	Barranquilla, Colombia. 11 am-11 pm; Sun. 11 am-8 pm.	6000	HP5K	Colon Panama. 7-9 am; 11:30 am-1 pm; 6-11 pm.
4910	YV1RY	Coro, Venez. 6:30-10 pm weekdays.	....		Moscow, U. S. S. R. 3:30-4 pm.
4920	VUM2	Madras, India. 5:30 am-noon.	6005	XEBT	Mexico City, D. F. 10 am-1:45 am.
4940	YV5RO	Caracas, Venez. 7-10 pm.		VE9DN	Montreal P. Q.
4945	HJCO	Barranquilla, Colombia. 7:30-10 pm.	6007	XYZ	Rangoon, Burma. Sat. 9:30-11:30 pm; Weekdays 6:30-10 am; 9-11 pm.
4950	YV4RD	Valencia, Venez. Noon-1 pm; 6-9:30 pm.		ZRH	Capetown, Union of S. Afri- ca. 10:45 am-3 pm.
4955	YV5RH	Caracas, Venez. 6:30-7:30 am; 3:30-10 pm.	6010	CFCX	Montreal, P. Q. 7:45 am-1 am; Sunday 9 am-11:15 pm.
4960	VUD2	Delhi, India. 6:30 am-noon.		CJCX	Sydney N. S. 7 am-1:30 pm; 4-8:30 pm.
	YV5RS	Caracas, Venez. 4:30-9:30 pm.		OLR2A	Prague, Bohemia.
4975	YV1RJ	Coro, Venez. 5:30-10:30 pm.		PRA8	Recife Brazil. 4-9 pm.
4990	YV3RX	Barquisimeto, Venez. 10 am-9:30 pm.	6017	HI3U	Santiago, Dom. Rep. Sun. 12:30-2 pm; 5-6 pm; Week- days 7:10-8:55 am; 11:40 am-1:40 pm; 4:40-6:40 pm.
5010	YV5RM	Caracas, Venez. 3:30-10:15 pm; Sunday 8 am-10:30 pm.		HJXC	Bogota Colombia. 9-11:30 pm.
5020	YV4RQ	Puerto Cabello, Venez. 7-8:30 pm.	6020	DJC	Berlin, Germany. 11:30 am-4:25 pm.

- 6023 XEUW Vera Cruz, Ver. C. 10 pm-1 am.
- 6030 CFVJ Calgary, Alta. 10 am-2 pm.  
RV96 Moscow, U. S. S. R. 1-7 pm;  
8:30-9 pm.
- 6033 HP5B Panama City Panama. 10:30 am-2 pm; 6:10 pm.
- 6040 WRUL Boston, Mass. Sun. 2-9 pm;  
Weekdays 5:30-8:30 pm.
- 6045 XETW Tampico, Tams. 7 pm-1 am.
- 6050 GSA London, Gt. Britain. 12:25-5 am;  
5:40-11:30 am; 11:45 am-6 pm;  
6:30-8 pm.
- HP5F Colon, Panama. 7-9 pm.
- 6055 HJFA Pereira, Colombia. 9 am-noon;  
6:30-10 pm.
- VK9MI S. S. "Kanimbla." Sun, Wed, Thurs,  
7-7:30 am.
- 6060 WCAB Philadelphia, Pa. Sun, Tues. Fri.  
6:30-11 pm; Wed. 6:30-8:30 pm.
- WLWO Cincinnati, Ohio. Sun. 8 am-6:30 pm;  
Weekdays 5:45 am-6:30 pm.
- YDD Bandoeng, Java, N. E. I. 5:30 am.
- 6070 CFRX Toronto Ont. 7 am-12:30 am;  
Sun. 10 am-11 pm.
- 6090 CRCX Toronto, Ont. Sun. 9:30 am-11 pm;  
Other days 6:45 am-4 pm.
- KZRH Manila, Philippines. 4-11 am.
- XEBF Jalapa, Ver. C. 8-9:30 pm.
- ZBW2 Hong Kong.
- ZNS2 Nassau, Bahamas. 8-9 am; 3-4 pm;  
7-9 pm.
- 6095 JZH Tokyo, Japan.
- 6097 ZRJ Johannesburg, Union of S. Africa. 3-7 am.
- 6100 WNBI Bound Brook, N. J. 8:45 pm-1 am.
- YUA Belgrade, Jugoslavia. 12:45-2 pm;  
2:20-4:20 pm.
- 6105 HJFB Manizales, Colombia. Sat. 5:30-11 pm;  
Sun. 2:30-5 pm; pm; Other days 5:30-10 pm.
- 6110 GSL London, Gt. Britain. 9:30-11:35 pm.
- 6110 XEGW Mexico City, D. F. 11 pm-1 am.
- 6112 HI6H Trujillo, Dom. Rep. 5-8:30 pm.
- 6116 .... Saigon, French Indo-China. 12:15-12:45 am;  
6:10:15 am.
- 6117 XEUZ Mexico City, D. F. 9 am-1 pm;  
7 pm-2 am.
- 6120 WCBX New York, N. Y. Midnight until 2 am.
- 6122 HP5H Panama City, Panama. 6-10:30 pm.
- 6125 MTCY Hsingking, Manchukuo. 8:30-9:30 am.
- 6130 CHNX Halifax, N. S. Sat. 8 am-11:30 pm;  
Sun. Noon-11 pm; Other days 6:45 am-11:15 pm.
- HS4PJ Bangkok, Thailand. 8-10 am.
- TIEM San Jose, Costa Rica. Sun. 10 am-p pm;  
Weekdays 11 am-11 pm.
- VLW Perth, Australia.
- 6132 COCD Havana, Cuba. Sun. 5:30-8 pm.  
Weekdays 9 am-10:30 pm.
- 6135 FK8AA Noumea, New Caledonia. 2:30-3:30 am.
- 6137 CR7AA Lourenco Marques, Mozambique. Sun. 5-7 am;  
10 am-1:15 pm; Weekdays Midnight to 1 am;  
4:30-6:30 am.
- 6140 OQ2AA Leopoldville, Belgian Congo. Sunday  
5:30-7 am.
- KZRF Manila, Philippines. 4:30-11 am.
- WPIT Pittsburgh, Pa. 9-10 pm; 11 pm-1 am.
- 6148 ZTD Durban, Union of S. Africa. Sun. 11:55 pm-3 am;  
Other days 11:45 pm-3:15 am.
- HJDE Medellin, Colombia. 9:30 am-1 pm;  
5-11:30 pm.
- YSW San Salvador, E. S. 7-9:15 pm.
- 6152 HI5N Moca, Dominican Rep. 6:40-9:10 pm.
- 6150 CJRO Winnipeg, Man. 3:30 pm-1:30 am.
- 6160 HJCD Nueva Granada, Colombia. 11:30 pm.
- 6170 WCBX New York N. Y. Midnight to 2 am.
- 6175 XEXA Mexico City, D. F. 8-11 am; 2:30-4 pm;  
7:30 pm-12:45 am.
- 6180 LRA2 Buenos Aires, Argentina. Sat, Sun,  
7-9 pm. Other days 6-9 pm.
- 6185 TIRCC San Jose, Costa Rica. Tues, Thur,  
Sat, 6-7 pm; Sun. 8-10 pm.
- 6190 HI1A Santiago, Dom. Rep. 10:40 am-1:40 pm;  
6:40-9:40 pm.
- HVJ Vatican City. Sun. 8:30-9 pm;  
9:30 pm; Sun, Wed, 9:30-10 pm.
- KGEI San Francisco, Calif. Midnight-3 am.
- 6193 TG2 Guatemala City, Guat. 7:30-10 am;  
6-11:30 pm.
- 6195 HI2D Trujillo, Dom. Rep. 5:10-7:10 pm.
- 6200 CP5 La Paz, Bolivia. 6:30-11 pm.
- HI8Q Trujillo, Dom. Rep.
- 6215 .... Saigon, French Indo-China. 7:30-9:45 am;  
11:45 pm-1 am.
- 6235 HRD La Ceiba, Honduras, 8-11 pm.;  
Sat. 8 pm-1 am; Sun. 4-6 pm.
- 6245 HIIN Ciudad Trujillo, D. R., 5:10-9:40 or 10:10 pm.
- 6255 CPI2 La Paz, Bolivia. 7-9 pm.
- 6280 HIIG Trujillo City, D. R., 6:40-8:40 am,  
7:11:40 am-2:10 pm., 3:40-9:40 pm.
- 6300 OAX4G Lima, Peru. Daily 6-12 mid.
- 6310 HIIZ Ciudad Trujillo, D. R., Daily except Sun. 11:40 am.12:40 pm.,  
5:10-7:40 pm.
- 6330 COCW Havana, Cuba, 7:55 am-12:15 am.;  
un. 9:55 am.12:15 pm.
- 6335 OAXIA Ica, Peru. 8-11 pm.
- 6340 HIIX Ciudad Trujillo, D. R., Sun. 7:40-9:40 am.,  
daily 8:10-10:10 pm.
- 6345 HH3W Port-Au-Prince, Haiti, -2, 7-9 pm.  
Sun. 5-8 pm.
- 6357 HRPI San Pedro Sula, Honduras. 6-7:30 am.,  
2-4 pm.
- 6375 COCQ Havana Cub. 6:50 am.1 am.
- 6380 TIWS Puntarenas, C. R., 5-7, 7:30-10 pm.;  
Sun. 5-6 pm.
- 6384 ZIZ Basseterre, St. Kitts, 4-4:45 pm.,  
Wed. 7-7:30 pm.
- 6395 HI9B Santiago, D. R., 7:40-8:40 pm.

6396 COX7	Havana, Cuba. 2-3, 6-10:30 pm. Fri. 8-11 pm. Sat. 8 pm-1 am.; Sun. 7:30 am-8 pm.	7210 2RO	Rome, Italy. 6-7:55 pm.
6400 TGQA	Quezaltenango, Guat. Mon-Santiago, D. R., 5:40 9:10 pm. Ex. Sun.	7220 EAJ9	Malaga, Spain. 4-6 pm.
6430 HIFS	San Francisco De Macoris, D. R., 11:40 am-1:40 pm., 5:10-9:40 pm.	HAD	Budapest, Hungary. 9 pm-midnight.
HI4V	Santa Clara, Cuba. 6:42 am-12:15 am.	YDX	Medan, Sumatra, N. E. I. Sat. 7:30 pm-1:30 am; Other days 10:30 pm-2 am; 6-10:30 am
6455 COHI	Guatemala City, Guat. Daily 7:45-9 am. 12:45-3:45 pm., 7:30 pm. 12:15 am. Sun. 10:30 am-5:15 pm., 7 pm-12 pm.	7250 YDA	Tandjonkpriok, Java, N. E. I. Sat. :30 pm-2 am; other days 10:30 pm-2 am.
6480 TGWB	Santiago De Los Caballeros, D. R., 5:30-9:30 pm. ex. Sun. Managua, Nicaragua, 1-2:30, 8-10 pm. Except Sun.	7258 JVW	Tokyo, Japan. 2-4 pm.
6500 HIIL	San Jose Costa Rica. Sun. 11 am-2 pm., 6-7, 8-9 pm. Daily 12 noon-2 pm., 6-7 pm., Thurs. 6-11 pm.	7260 CSW8	Lisbon, Portugal. Tues. Thurs. Sat. 5-6 pm.
6540 YNIGG	Vera Cruz, Ver. C. 8:15-9 am.	GSU	London, Gt. Britain.
TIRCC	Ciudad Trujillo, D. R., 12:30-2, 6-8 or 9 pm. Except Sun.	7270 DXM	Berlin, Germany.
6558 HI4D	Puerto Plata, D. R., 5:40-7:40, 9:40-11:40 pm.	7280 TPB25	Paris, France. 1-4 am; 10:15 am-4:15 pm.
6565 HI5P	Managua, Nicaragua. 1:30-2:30, 6:10:15 pm.	7284 YN1P	Managua, Nicaragua. Sun. 10-11 am.
6610 YNLG	Rio Bamba, Ecuador. Thur, 9-11:45 pm.	7290 DJI	Berlin, Germany. 5-5:15 am.
6625 PRADO	Ciudad Trujillo, D. R., Daily exc. Sun. 12:40-1:40 pm., 4:40-8:40 pm; also Sat. 10:40 pm-12:40 am.	7295 JIE	Taiwan. 9-10:30 am.
6630 HIT	Guayaquil, Ecuador. Sun. 5:45-7:45 pm., Tues. 9-15-11:15 pm.	7310 VIG	Port Moresby, Papua. Sat. 3-5 am.
6635 HC2RL	Geneva, Switzerland. Sun. 1:45-2:45 pm.	7380 XECR	Mexico City, D. F. Sun. 6-7 pm.
6675 HBQ	San Jose, Costa Rica, 7-Midnight.	7410 HCJB4	Quito, Ecuador. 7-9:30 pm.
6695 TIEP	Bandoeng, Java, N. E. I. 4:30-11 or 11:30 am. Also Sat. 8:30 pm-1:30 am.	7440 FG8AH	Pointe-a-Pitre, Guadeloupe. Sun. 9:30-11 am; Daily 6-7 pm.
6720 PMH	La Romana, Dom. Rep., 4:55-8 pm.	7450 TI2RS	San Jose, Cost Rica. 7-11 pm.
6730 TI3C	Managua, Nicaragua. 6:40-10:40 pm.	7490 EAJ43	Tenerife, Canary Islands. 7-8 pm.
6760 YNRF	Ciudad Trujillo, Dom. Rep., 7:10-8:40 pm. Sun. 9:40-10:40 pm.	7520 KKH	Kahuku, Hawaii. Sat. Sun. 8:30-9 pm.
6760 HI7P	Paramaribo, Surinam. Sun. 8:40-10:40 am. Tues. & Fri. 5:40-8:40 pm. 1st & 3rd Thurs. monthly 6:40-8:40 pm.	7614 CR6AA	Lobito, Port. West Africa. Mon. Wed. Sat. 2:30-4:30 pm.
6800 PZH	San Pedro De Macoris, Dom. Rep., 7-9:40 pm. Sun. 5:20-6:40 pm.	7660 YNDG	Leon, Nicaragua. Weekdays 8:30-9:30 pm.
6847 YNOP	Managua, Nicaragua. 8-9:30 pm.; Sun. 2-3 pm.	7797 HBP	Geneva, Switzerland.
6850 XOJD	Hankow, China 6-8:35 am.	7854 HC2JSB	Guayaquil, Ecuador. 11 am-2 pm; 4-11 pm.
6900 HI6H	Trujillo City, D. R., 7:40-8:40 pm.	7870 HC1RB	Quito, Ecuador. 3:30-11:30 pm.
6960 2ZB	Wellington, N. Z., Mid-7 am.	7894 YSD	San Salvador, El Salvador. 7-10:30 pm.
6977 XBA	Tacubaya, E. F., 9:30 am-1 pm., 7-8:30 pm.	7968 HSP6	Bangkok, Thailand. 7-11 am.
7010 XPSA	Kweiyang, China. 5:30, or 6-11 am. 5-6 pm.	8200 PSK	Rio de Janeiro, Brazil. 5:45-7 pm.
7100 FO8AA	Papeete, Tahiti. Tues. and Fri. 11 pm-12 mid.	8580 YPR	Manague, Nicaragua. 12:45-2:15 pm; 6:45-10:15 pm.
7177 CR6AA	Lobito, Portuguese West Africa. Mon. Wed. Sat. 2:45-4:30 pm.	8665 W2XGB	Hicksville, N. Y. 9 am and 5 pm.
		8700 COCO	Havana, Cuba. 7:50 am-12:50 am.
		HKV	Bogota, Colombia. Tues. Fri. 7-7:20 pm.
		8830 COCQ	Havana, Cuba. 7:30 am-midnight.
		8960 TPZ2	Algiers, Algeria. Tues. 12:30-1:30 pm.
		8960 COKG	Santiago, Cuba. 5-9:50 pm.
		9030 COBZ	Havana, Cuba. 7:45 am.12 mid. Sun. 7:45 am-1 am.
		9125 HAT4	Budapest, Hungary. Daily 7-8:30 pm. Sat. 6-7:30 pm.
		9130 HC2W	Guayaquil, Ecuador. 11 am-1, 7-11 pm.
		9175 HCIGO	Quito, Ecuador. Mon. Wed. Sat. 9-10:30 pm.
		9190 HC2ET	Guayaquil, Ecuador. 8-10 pm. Sun. 8:30-10:30 pm.
		9200 COCX	Havana, Cuba. 8 am.12 mid. Sunday Island. 1:45-2:15 am.
		9200 ZMEF	Irreg.
		9205 PYA2	Rio De Janeiro, Brazil. 5-6 pm.

9225 COCY	Havana, Cuba. 8 am.-12 mid. Sun. 8 am.-10 pm.	9556 XEFT	Vera Cruz, Ver C. 7:30 pm-Midnight.
9230 COCY	Havana, Cuba. 12 noon-12 midnite.	9560 XEFA	Monterrey, 10 am. Midnite.
9234 ....	Bucharest, Roumania. 12:02-7 pm.	9560 XGAP	Peiping, China. 4-9 am.
9295 HI2G	Cuidad Trujillo, D. R. 6:40-8:40 am., 11:40 am.-2:10 pm., 3:40-4:40 pm.	9570 WBOS	Boston, Mass. 6-9 am. 3 pm.-1 am.
9340 OAX4J	Lima, Peru. 12 noon-3 pm., 5 pm.-12 midnight.	9570 KZRM	Manila, P. I. Weekdays 4:30-6 pm. Sat. 5-10 am., Sun. 4-10 am.
9345 HBL	Geneva, Switzerland. Mon., Wed., 8:45-10:15 pm.	9570 CXA2	Montevideo, Uruguay. 11 am.-4, 4:30-9:30 pm.
9375 COBC	Havana, Cuba. 7 am. to 12 mid. Sun 7 am.-10:30 pm.	9570 VUM2	Madras, India. 9-10:30 pm., 2:30-4 am.
9440 OAX5C	Ica, Peru. 7-11:30 pm.	9580 GSC	London, Gt. Britain. 2:30-5:25 pm; 5:43-11:35 pm.
9440 COCH	Havana, Cuba. 6:40 am.-10:15 pm., exc. Sun.	9580 VLR	Melbourne, Australia. 2:30-9, 9-9:30 am.
9445 HCODA	Guayadquil, Ecuador. 8:15-10:15 pm., exc. Sun.	9590 VK2ME	Sydney, Australia. Sundays only, m.-2 am., 5-8:30 pm.
9465 TAP	Ankara, Turkey. Daily 10:30 am.-4:30 pm.	9590 WCAB	Philadelphia, Pa. Mon., Thurs. & Sat. 6:30 pm.2 am., Wed. 9 pm.-2 am.
9475 VONG	St. Johns, Newfoundland. 8:30 am.1:30 pm. 4:30-9:30 pm.	9590 VUD2	Delhi, India. 6:30 am.-12:05 pm. 5pm.12 m., Mon., Tues., 1-4:10 am. Wed. 2-4 am. Thur., Fri., Sat. 1-3:30 am. Sat. 5 pm.-3:30 am.
9492 KZIB	Manila, Philippines. 10 am. and 6-11 pm.	9595 ....	Athlone, Ireland. 12:30-4:30, 5-6 pm.
9501 PRF5	Rio De Janeiro, Brazil. 4:45-5:55 pm.	9600 CB960	Santiago, Chile. 8-11:30 pm.
9503 XEWW	Mexico City. 7:45 am.-12:30 am.	9600 GRY	London, Gt. Britain. 2:30-5:25 pm.
9505 YUD	Belgrade, Yugoslavia. 11:20 am.4:20 pm., 8-9 pm.	9600 RAN	Moscow, U. S. S. R. 3-7, 7-3:30 pm. 8:30-9 pm.
9510 ....	Hanoi, French Indo-China. 12 m.-2 am., 6-10 am.	9607 HP5J	Panama City, Panama. 7-8 am., 12 noon to 1:30 pm., 6:30-10:30 pm.
9510 HS8HJ	Bangkok, Thailand. Daily Ex. Mon. 7-10 am.	9610 DXB	Berlin, Germany. 4:50 pm., 7 pm.-1 am.
9510 GSB	Daventry, Gt. Britain. 9:45-11:35 pm; 11:57 pm-3:15 am.	9615 ZRL	Klipheuvell, South Africa. Daily, exc. Sat. 11:45 pm. 2:50 am. Daily exc. Sun. 3:20-7:20, 9-11:45 am., Sun. 3:30-4:30 or 4-5, 5:30-7, 9-11:45 am.
9517 XEDQ	Guadalajara, Jal. No-4:30 4:30 pm., 1pm-midnight.	9620 T1PG	San Jose, Costa Rica. 7-9:30 am., 12-2, 6-11:30 pm.
9520 RV96	Moscow, U. S. S. R. 1-6 pm.	9625 HAD	Budapest. Hungary. 6-9 pm.
9520 TPC	Paris, France. 4:30-7:45 pm. 8 pm.-1:45 am.	9625 CXA6	Montevideo, Uruguay. 10:30 am.-12:30, 3:30-9:30 pm.
9523 ZRG	Roberts Heights, S. Africa. Daily 5:15-9, 11 am.-noon. Sun. 6-9, 10:40 am.-1:30 pm.	9630 HJCT	Bogota, Colombia. 6-11 pm.
9525 ZBW3	Hongkong. 5-10 am., 11:30 pm.1:15 am. Sun 5-9:30 am.	9630 JFO	Taihoku, Taiwan. 4-10:30 am.
9528 VUC2	Calcutta, India. 10-11 pm., 12 m.-1 am., 2-4 am. Sat. 10 pm.-2 am.	9630 I2RO3	Rome, Italy. 1-2 am. 12:07-2:35, 4:15-4:45 pm., 6-9 pm.
9530 WGEO	Schenectady, N. Y. 3-6 pm. 6-11:45 pm.	9635 KZRH	Manila, Philippines. 4-11 am.
9535 JZI	Tokyo, Japan. 7-9:30 am.	9640 CXA8	Colonia, Uruguay. 5 am.-10:45 pm. Sat. to 1 am.
9535 SCU	Motala, Sweden. 4:35-5:05 pm. 8-9 pm.	9645 VLW2	Perth, W. Aust. 6-11 am.
9538 VPD2	Suva, Fiji. 5:30-7 am., exc. Sun.	9645 XGOY	Szechwan, China. 1-3, 8-9:30 am.
9540 DJN	Berlin, Germany. 12:05-2:30, 9:30-11 am., 4:55-10:50 pm.	9650 CR7BE	Lourenco Marques, Mozambique. 7-8 am. 2-4 pm.
9550 OLR3A	Prague, Bohemia. Irreg. 4:40-5:10 pm.	9650 DJV	Berlin, Germany. Irreg. 4:50 pm.-1 am.
9550 WGEA	Schenectady, N. Y. 6:15-9:15 pm.	9650 12AA	Addis Abeba, Ethiopia. 3:30-5:30 am. Sun. 2:30-5:30 am. 8 am.-2:30 pm.
9550HVJ	Vatican City. Sun. 5-5:30 am., 8:30-9:45 pm. Wed. 2:30-3 pm. Thur. 8:30-9:45 pm.	9650 WCBX	New York City. 10:30-11:30 pm.
9550 TPBII	Paris, France. 11:15 am.-7 pm., 9:30 pm.-mid.	9650 HVJ	Vatican City. Sun, 5-5:30 am., 8:30-9:45 pm.; Thurs. 8:30-9:45 pm.
9556 OAX4T	Lima, Peru. 7-8, 11:30 am.-1:30 pm.	9660 LRX	Buenos Aires, Arg. 5:30-6:45 am., 10:15 am.-11 pm.
9550 YDB	Soerabaja, Java, N. E. I. Daily exc. Sat. 6-9 pm., 10:30 pm.-2 am.-4:30-10:30 am. Sat. 7 pm. 2 am.	9665 ....	Rome, Italy. 1-6:30, 7:30-9 pm.
		9760 WRCA	Bound Brook, N. J. 4 pm.-1 am.

9675 DJX	Vienna, Germany. 10:40 am-4:25 pm.	11400 CJRX	Winnipeg, Canada. 4 to 8:30 pm.
9675 ....	Saigon, Indo-China. 7:30-9:45 am.	11402 HBO	Geneva, Switzerland. Mon., 12:45-2:15 pm. Sat. to 2 pm.
9680 VLQ5	Sydney, Australia. 7:25 - 8 am.	11650 XGOK	Canton, China 7-9 am. Wed. 6:45-8:15 pm. Tues.
9680 TPC23	Paris, France. 6-7:45 pm. 8 pm-12:30 am.	11700 CB1170	Santiago Chile. 10 am-2 pm., 3:30-Midnight.
9680 XEQQ	Mexico, D. E. 5 pm.-1 am.	11700 HP5A	Panama City, Panama. 7-10:40 am. 5-10:45 pm. Sun. 6-10:45.
9685 TGWA	Guatemala City, Guat. Sun. 7 pm-midnight; Wkdys., 10 pm-12:15 am.	11700 IQY	Rome, Italy. 5:20-5:40 am. 1:50-2:30 pm.
9690 LRA1	Buenos Aires, Arg. 10:30 am-1 pm; 2:30-3:30 pm; 4-9 pm.	11710 YSM	San Salvador, El Salvador. 1-2, 7-9:30 pm.
9692 TI4NHR	Heredia, Costa Rica. Tues. Thurs. Sat. 9-10 pm; Sun. 7-8 am.	11710 ....	Saigon French Indo-China. 7:30-9:45 am.
9690 CRX	London, Gt. Britain. 12:25-5 am; 11:50 am-8 pm.	11718 CR7BH	Laurenc Marques, Portuguese E. Africa. Daily 12:05-1, 4:30-6:30, 9:30-11 am., 12:05-4 pm., Sun. 4-7 am., 10 am-2 pm.
9695 JIE3	Tyureki, Taiwan 9-10:20 am.	11718 TPA4	Paris, France. 1-5:15 pm. 6:7-45, 8 pm-12m.
9703 ....	Fort de France, Martinique. 6-8:10 pm.	11720 ZPI4	Villarica, Paraguay. Mon. to Fri. 4-8 pm.; Sat.-Sun. 11 am-6 pm.
9710 HJCF	Bogota, Colombia. 7-11 pm.	11725 JVV3	Tokyo, Japan. 1-7 am.
9730 CB970	Valparaiso, Chile. 7 am-11:30 pm.	11730 WRUW- WRUL	Boston, Mass. Sun. 2-8 pm.; 5:20-18:30, 8:45-10:30 pm.
HJFK	Pereira, Colombia. 7-9 am.	11735 YUE	Belgrade, Yugoslavia. 7-9:05 pm.
9740 CSW7	Lisbon, Portugal. Tues. Thurs. Sat. 3:40-4 pm. Daily 4-5:30 pm; 5:45-9 pm.	11740 HVJ	Vatican City. 2-5:55 m., Weds. 9:30 pm.
9750 HJ6FAH	Armenia, Colombia. 8-10:30 am; 5-10:30 pm.	11740 CB1174	Santiago, Chile. 6-11 pm. Sun. 6:10-30 pm.
9780 HH3W	Port-au-Prince, Haiti. Sun. 1-2 pm; 5-8 pm; Other days 1-2 pm; 7-9 pm.	11740 CR6RC	Loanda, Angola. 6:30-7:45 am. Tues., Wed., Sat, 3:30 pm., Sun. :30 am-1 pm.
9815 IRF	Rome, Italy. 5:20-5:40 am; Noon-12:25 pm; 1:50-2:30 pm; 6-7:25 pm.	11750 GSD	Daventry, England. 9-11:30 am; 11:55 am-3:45 pm; 5:42-9 pm; 9:45-11:35 pm; 11:57 pm-3:15 am.
9825 COCM	Havana, Cuba. 8 am-midnight.	11760 2RO15	Rome, Italy. 11:40 am-2:40 pm., 3-3:30, 5:30-6 pm.
9840 XGSE	Somewhere in China. At 7 am.	11760 TGWA	Guatemala City, Guat. 10-11:30 pm. Sun. 6-11:30 pm.
9855 EAQ	Madrid, Spain. 5-7:30 pm; 7:45-8:50 pm; 8:50-11:30 pm.	11760 OLR4B	Prague, Bohemia. Daily exc. Sun. 8:25-10:05 am.
9892 CP1	Sucre, Bolivia. 11 am to noon; 7-9 pm.	11770 DJD	Berlin, Germany. 10:45 am-4:25 pm., 4:50 pm-1 am.
9925 JDY	Dairen, Manchukuo. 7-8 am.	11770 ZTE	Durban, So Africa. 3:30-11:45 am. exc. Suns. Sun. 3:55-11:45 am. Also, 11:45 pm-2 am.
9985 COBC	Havana, Cuba. 6 am-midnight.	11775 MTCY	Hsinking, Manchukuo. 1:30-2:20 to N. A. Also 9:50-10:55 am., 4-4:50 pm.
10060 TIEM	San Jose, Costa Rica. 4:30-8 pm.	11780 ....	Saigon, Indo-China. 10:30-11 am.
10070 ....	Deutsche Freiheitssender. Somewhere in Germany (?). 4-5 pm.	11780 HP5G	Panama City, Panama. Noon-1 pm., 6-10 pm.
10220 PSH	Rio de Janeiro, Brazil Mon. 8-8:30 pm; Fri 7-7:30 pm; Other days 6-7 pm.	11790 WRUL	Boston, Mass. 2-5 pm. Sat. 3-5 pm. Suns 10 am. 12 noon.
10290 DZC	Berlin, Germany. 3-3:10 pm; 6:30-9 pm.	11800 XGOK	Canton, China. 6-8:35 am.
10350 LSX	Buenos Aires, Arg.	11801 DJZ	Berlin, Germany. 4:50-10:50 pm.
10360 EAJ43	Tenerife, Canary Islands. 3-4:30 pm; 5-7 pm; 7:45-8:45 pm; 9-10 pm.	11810 2RO4	Rome, Italy. 4:30-9, 10 am-2:30 pm., 6-7:25, 7:30-9 pm. to N. A.
10400 YSP	San Salvador, E. E. 6:30-11 pm.	London, Gt. Britain. 5:42-11:35 pm.	11825 CXA14
10660 JVN	Nazaki, Japan. 1:50-7:40 am.	Colonia, Uruguay. 3:30-9:20 pm.	11826 XEBR
10660 ZIK2	Belize, Br. Honduras. Tues., Thurs., Sat. 1:30-2., :30-9 pm.	11830 VLW3	Hermosillo, Son. 10 am-4 4 pm., 8-10:30 pm.
10950 FIQA	Tananrive, Madagascar. 12:30-45, 10-11 am., 2:30-4 am.	11830 WGBX	Perth W. Australia. 1-5 am. New York City. 1-6 pm. 6:30-10 pm.
11000 PLP	Bandoeng, Java. 6-9 pm. 10:30 pm.-2 am., 4:30-10:30 or 11 am. Sat. until 11:30 am.		
11040 CSW5	Lisbon, Portugal. 12-3:30 pm. Sun. 10 am.-3:30 pm.		

11840 OLR4A	Prague, Bohemia. 6:55-10:15 pm.	15110 DJL	Berlin, Germany. 12:05-2 am., 10:40 am.-4:25 pm.
11840 CSW	Lisbon Port. 11:30 am.-1:30 pm.	15120 CSW4	Lisbon, Portugal. 7-9 am.
11845 TPC8	Paris, France. 10:30 am.-5 pm.	15120 HVJ	Vatican City. Tues. 8:30-9, 10-10:30 am., Suns. 1-1:30 pm. Wed. 8:30-9 pm.
11850 VLR3	Melbourne, Australia. 3:30 pm.-2:15 am. Also 6:35-7 am.	15130 TPB	Paris, France. 11:30 am.-12:30 pm.
11850 HAD	Budapest, Hungary. 3-6 pm.	15130 WRUW-	Boston, Mass. 2-5, 8:45-10:30 pm.; Sat. 3-5 pm., Sun. 10 am.-noon.
11850 CBI185	Santiago, Chile. Sat. 6-11 pm.	15135 JLU3	Tokyo, Japan. 8-9:30 am.
11855 XMH A	Shanghai, China. Wkdys. 11 pm.-1 am., 5-11 am. Sat. 10 pm.-Sun. 11 am.	15140 GSF	Daventry, England. 9-11:30 am.; 11:55 am-5:25 pm.; 11:57 pm-3:15 am.
11855 DJP	Berlin, Germany. 12:05-2 am., 4:50-10:50 pm.	15150 YPC	Bandoeng, Java. 6-9 pm. ex. Sat. 10:30 pm.-2 am., Sat. 7:30 pm.-2 am., daily 4:30-10:30 am.
11860 GSE	Daventry, England. 5:40-11:30 am. 6:25-9:15 pm.	15155 SBT	Motala, Sweden 1-4:30 pm.
11870 WPIT	Pittsburgh, Pa. 3-9, 10-11 pm.	15160 JZK	Tokyo, Japan. 4:30-5:30, 8-9 pm.
11870 VUM	Madras, India. 8:45 am.	15160 XEW W	Mexico City, Mexico. 12 n.-12 m., irregular.
11870 VLQ2	Sydney, Australia. 2:30-3:30 am.	15170 TGWA	Guatemala City, Guat. 12:45-1:45 pm.; Sun. 1:45-5:15 pm.
11880 JZJ	Tokyo, Japan. 12-1:30 am. 7-9:30 am., 2-4 pm.	15180 RV96	Moscow, U. S. S. R. 3-3:45 am.
11880 COGF	Matanzas, Cuba. 9 am.-11:30 pm.	15190 XGOX	Szechwan, China. 830-9:30, 10-11:05 pm.
11880 TPB7	Paris, France. 4:45-7:45 pm. 8 pm-12 m.	15200 DJB	Berlin, Germany. 12:05-6:30-9, 9:15-9:30 am.; 11:10-11:40 am., 4:50-10:45 pm.
11885 TPA3	Paris, France. 1-4, 10:15 am.-5:15.	15210 WPIT	Pittsburgh, Pa. 8 am.-3 pm.
11895 ....	Moscow, U. S. S. R. 6:30-7 am., 4-6 pm.	15240 YUF	Belgrade, Yugoslavia. 7-8 pm.
11900 XEWI	Mexico City, Mexico. Mon., Wed., Fri. 3-4 pm., 9 pm.-12 m. Sat. 9 pm.-12 m., Sun. 12:30-2 pm.	15240 CR7BD	Lourenco Marques, Mozambique, 4:30-6:30, 9:30-11 am., noon-4 pm.
11900 XGOY	Szechwan, China. 5:30-7:35, 7:40-9, 9:40-11, 11:10-11:50 am. 2-4:20, 4:30-6:20 pm.	15245 TPA2	Paris, France. 5-10 am.
11910 CDII90	Valdivia, Chile. 10 am.-1 pm., 5-10:30 pm.	15250 WRUL	Boston, Mass. Daily exc. Sat. and Sun. 10 am.-11 am.
11940 TI2XD	San Jose, Costa. 7:30 am.-noon, 4-10 pm.	15260 GSI	Daventry, England. 5:40-8:45 am.; 9-11:30 am.; 11:55 am-5:25 pm.; 11:57 pm-3:15 am.
11945 CBI180	Santiago, Chile. 7-8 am., 4:50-11 pm.	15270 WCBX	New York City. Daily exc. Sat. and Sun. 1-3:30 pm., Sun. 1-2:30 pm.
11970 HI2X	Ciudad Trujillo, D. R. Tues. and Fri. 8-10-10:10 pm. Sun. 7:40-9:40 am.	15270 HI3X	Ciudad Trujillo, D. R. Sun. 8:10-10:10 pm. Tues. and Fri. 7:40-9:40 am.
12000RNE	Moscow, U. S. S. R. 7-9 pm. 9-11 am.	15270 WCAB	Phila., Pa. 12 n.6 pm.
12310 VOFB	St. Johns, Newfoundland. 5:30-7:30 pm.	15270 WLWO	Cincinnati, Ohio.
12450 HCJB	Quito, Ecuador. 7-8:15, 11:30 am.-2:30, 5-10:30 pm.	15280 DJQ	Berlin, Germany. 12:05-11:10 am.
12862 W9XDH	Elgin, Ill. Press Wireless, Tests 2-5 pm.	15290 VUD3	Delhi, India. 8-10:30 am., 11:30 am.-2:30 pm., 9:20 pm.12 m.; Mon. 1-4 am.; Tues. Thurs., Fri., Sat., 3:30 am.; Wed. 2-4 am.; Sat. 9:30 am.-3:30 am.
13486 HIIN	Trujillo City, Dom. Rep. 6:40-10:40 am., 5:10-9:40 pm.	15290 LRU	Buenos Aires, Arg. 8-10 am. 10:10 pm.
13900 YNDG	Leon, Nicaragua. Sun. 12:30-1.	15295 TPB4	Paris, France. 5-5:30, 7:30-8 am.
14420 HCIJB	Quito, Ecuador. 7-8:15, 11:30 am.-2:30, 4-4:45 pm.-10:15 pm. Exc. Mon.	15100 2RO12	Rome, Italy. 4-5:30, 6-7:25, 10 am.-12:06 pm.; 1-2:15, 5-9:25 am., 11 am.-6 pm. 8:15-9:30 am.
14460 DZH	Berlin Germany. 7-10:50 pm.	15310 GSP	Daventry, England. 5:40-7 am.; 2:15-5:25 pm.; 1:15-3:15 am.
14600 JVH	Nazaki, Japan. 4-8 am.	15310 PDB	Soerabaja, Java, N. E. I. 10:30 pm.2 am., Sat. 7:30 pm.-2 am.
14635 HBJ	Geneva Switzerland. Wed. 6:45-8:15; 8:40-10:15 pm.		
14795 IQA	Rome, Italy. 4:30-5 am.		
14920 KQH	Kahuku, Hawaii. Sats. 8:30-9 pm. Sun. 9-9:30 pm.		
14940 PSE	Rio De Janeiro, Brazil. 6-7 pm., Thurs. 3-3:30 pm.		
15040 RKI	Moscow, U. S. S. R. 7-8:30 pm. 8:30-9 pm.		
15300 2RO6	Rome, Italy. 4:10-4:55 am.; 7:30-9 pm.		



Frank Waysee, 275 ft. Washington Ave., New York City. (SWL cards).

Wm. Anderman, Jr., 5913 N. Camac St., Philadelphia, Pa. (SWL cards).

Harry C. Powell, 1129 SW-10, Portland, Ore., correspond with owners of RCA 811-K.

Bob Miller, 2215 Birwood Ave., Detroit, Mich. (SWL Cards).

Stanley Fairchild, 1815 Gerrard St. E., Toronto, Ont., Canada (Exchange stamps).

**Radio Station W.B.A.B. 1200 kc. 250 w. Atlantic City, New Jersey will broadcast a special two hour dx program in honor of the "SECOND ANNIVERSARY" of the World DX Alliance, Post Office Box 422, Perth Amboy, New Jersey. The program will take place on Saturday morning, January 18, 1941, from 3:00-5:00 a.m. E. S. T. All reports should be sent to the Convention Hall Boardwalk and Georgia Avenue in care of Mr. Norman Reed, managing director. There will be prizes awarded for the most complete report, the most distant report, the first telephone report as well as the first telegram reports received. The telephone number will be Atlantic City 5-1117. Mayor Taggart of Atlantic City as well as officials of the Atlantic City Chamber of Commerce have consented to appear on the program. Members of the WORLD DX ALLIANCE from New York, New Jersey, Pennsylvania and other nearby states will also appear on the program.**

## F-M

● F-M (frequency modulation), television, amateur, utility, and aircraft stations use the Ultra High Frequency band (below 10 meters — above 30 megacycles).

● Most of you SWL's paid at least \$49 for a three band short wave receiver. What would you give to have a 33% dividend on your investment? If you had another band this is exactly what you do would get. For less than 1% of the original cost of your radio, (50c), we send you a guaranteed UHF converter with directions for your radio. This is not a diagram. Rush your order to Princeton Radio Co. 15889 Princeton, Detroit. After March 1, 1941, the price of this complete converter will be 89c.

**YOUR COPY OF RADEX  
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SEE PAGE 96**

## Applications to the FCC

- D.—Daytime only.  
 Ltd.—limited time.  
 unlt.—unlimited time.  
 S. H.—specified hours.
- FOR NEW STATIONS**
- Albany, Ore., Central Willamette Brdstg. Co., 1210 kcs., 250 unlt.
  - Artemisa, Cuba, Juan de Dios Carreno, 200 w.
  - Austin, Tex., West, West, Monroe and Stevenson, 1120 kcs., 1 kw. S. H.
  - Binghamton, N. Y., Triple-Cities Brdstg. Co., 1420 kcs., 250 unlt.
  - Brainerd, Minn., Brainerd-Bemidji Brdstg. Co., 1230 kcs., 500(I) unlt.
  - Brooklyn, N. Y., Frequency Brdstg. Corp., 620 kcs., 500 D.
  - Burlington, N. C., Burlington Brdstg. Co., 1310 kcs., 100 unlt.
  - Burlington, N. C., Central Carolina Brdstg. Corp., 1420 kcs., 100 unlt.
  - Clarksville, Tenn., Wm. D. Hudson and Violet Hudson, 1370 kcs., 250 unlt.
  - Clarksville, Tenn., Paducah Brdstg. Co., Inc., 1370 kcs., 250 unlt.
  - Cleveland, Ohio, Cuyahoga Valley Brdstg. Co., 1000 kcs., 1 kw D.
  - Corpus Christi, Tex., West Publishers, Inc., 590 kcs., 1 kw unlt.
  - Dallas, Tex., West Publishers, Inc., 1550 kcs., 5 kw unlt.
  - DeLand, Fla., Tropical Brdstg. Co., 1310 kcs., 250 unlt.
  - Ellensburg, Wash., J. C. Kaynor, 1310 kcs., 250 unlt.
  - Findlay, Ohio, Findlay Radio Co., 1420 kcs., 250 unlt.

## The Month Changes in Station Data

Florida, Cuba, Antonio Abreu, 250 w.  
Greensboro, N. C., Ralph L. Lewis, 1370 kcs.  
100 unlt'd.

Greenwood, S. C., Grenco, Inc., 1420 kcs., 250  
unlt'd.

Hamilton, Ohio, Butler Brdcastg. Corp., 1420  
kcs. 250 unlt'd.

Harlan, Ky., Blanfox Radio Co., 1420 kcs.  
250 unlt'd.

Honolulu, T. H., Hawaiian Brdcastg. Sys.,  
Ltd., 1340 kcs. 250 unlt'd.

Houston, Tex., Scripps-Howard Radio Inc.,  
2001 Rusk Ave., 1210 kcs., 250 unlt'd.

Houston, Tex., West Publishers, Inc., 610  
kcs. 1 kw unlt'd.

Klamath Falls, Ore., Herald Pub. Co., 1370  
kcs. 250 unlt'd.

Klamath Falls, Ore., Dorman Schaeffer, 1370  
kcs. 250 unlt'd.

Lawton, Okla. Willard Carver and Byrne  
Ross, 1120 kcs. 250 D.

Lewiston, Pa., Lewiston Brdcastg. Co., 1500  
kcs. 250 unlt'd.

Matanzas, Cuba, Enrique, N. Forest, 200 w.  
Mayaguez, P. R., Manuel M. Grau, 1200 kcs.  
100(.25) unlt'd.

Miami, Fla., Atlantic Brdcastg. Corp., 1280  
kcs. 500(1) unlt'd.

Middletown, N. Y., Herbert L. Wilson, 1310  
kcs., 250 unlt'd.

Moron, Cuba, Octaviano E. Rubio, 200 w.  
Orlando, Fla., Radio Corp. or Orlando, 1370  
kcs. 250 unlt'd.

Palatka, Fla., T. B. Gillespie, 1310 kcs. 250  
unlt'd.

Pittsfield, Mass., Western Mass. Brdcastg.  
Co., 1500 kcs., 100 unlt'd.

Richmond, Calif., Contra Costa Brdcastg.,  
Co., 1170 kcs., 500 Ltd.

San Juan, P. R., Caribbean Brdcastg. Assn.,  
Inc., 1500 kcs. 250 unlt'd.

Schenectady, N. Y., Western aGteway Brd-  
castg. Corp., 1210 kcs. 250 unlt'd.

Seattle, Wash., Edward F. Reeder, 1420 or  
1450 kcs., 250 unlt'd.

Tampa, Fla., Seaboard Brdcastg. Corp. 1530  
kcs. 1 kw unlt'd.

Toccoa, Ga., R. G. LeThourneau, 1420 kcs.  
250 unlt'd.

Trenton, N. J., Trent Brdcastg. Corp., 1230  
kcs. 1 kw unlt'd.

Tucumcari, N. Mex., Krasin and Krutzner  
Brdcastg. Co., 1210 kcs. 250 unlt'd.

Tulsa, Okla., Fred Jones Brdcastg. Co., 690  
kcs. 50 kw.

Tyler, Tex., Rose City Brdcastg. Co., 1500  
kcs. 250 unlt'd. (Facilities of KGKB).

Valdosta, Ga., James Freeman Holmes, 1500  
kcs. 250 unlt'd.

Victoria Tunas, Cuba, Angel Rodriguez  
Licca, 200 w.

Wheeling, W. Va., Community Brdcastg., Inc.,  
1370 kcs. 100 unlt'd.

Wilkes-Barre, Pa., John Memolo( 1210 kcs.  
250 unlt'd.

Worcester, Mass., C. T. Sherer Co., Inc.,  
1200 kcs. 250 unlt'd, and three amplifier  
stations at Auburn, Whitinsville and  
Marlboro, 100 w. each.

Worcester, Mass., Worcester Brdcastg. Inc.,  
1200 kcs. 250 unlt'd, and two booster sta-  
tions at Marlboro and Whitinsville, 100  
w. each.

610 WMUR  
940 WKGA  
1200 WBLJ  
1200 ....  
1280 ....  
1350 ....  
1370 WHYN  
1420 WMWH  
1420 WWDC  
1500 ....  
1500 ....

540 CMAN  
630 KOH  
910 XEFE  
910 XEFE  
1200 KFDA  
1240 XEDF  
1350 KTSM  
1380 KERN  
1470 WMEX

610 WIP  
630 KOH  
850 WKAR  
870 XEFB  
880 KFKA  
880 WRNL  
970 WIRG  
1120 KRSC  
1200 KFDA  
1200 WKBO  
1210 KFXM  
1210 WHBU  
1220 WCAE  
1310 KVIC  
1310 KWFC  
1310 WFBG  
1320 WADC  
1350 KTSM  
1360 KLPM  
1370 KENO  
1370 KIUP  
1380 KERN  
1410 KMED  
1420 KWAL  
1420 WGOV  
1450 WHOM  
1470 WMEX  
1500 KVOE  
1500 WNLC  
1500 WOLF

620 WAGE  
  
  
  
  
  
  
  
  
  
  
  
1370 WKPT  
1370 WORD  
1420 KGLU  
1420 WMFJ  
1530 KITE

**New**

Manchester, N. H.  
Tampa, Fla.  
Dalton, Ga.  
Baltimore, Md.  
Indianapolis, Ind.  
Brownwood, Texas  
Holyoke, Mass.  
Augusta, Ga.  
Washington, D. C.  
Batavia, N. Y.  
Corpus Christi, Texas

**Frequency**

Pinar del Rio, from 570  
Ren, from 1380  
Nuevo Laredo, from 980  
Nuevo Laredo, from 980  
Amarillo, from 1500  
Nuevo Laredo, from 810  
El Paso, from 1310  
Bakersfield, rom 1370  
Boston, from 1500

**Power**

Philadelphia, 5000 from 1000  
Reno, 1000 from 500  
E. Lansing, 5000 from 1000  
Monterrey, 500 from 200  
Greely, 1000 from 500(1)  
Richmond, 1000 from 500  
Glenside, 1000 from 100  
Seattle, 1000 from 250  
Amarillo, 250 from 100  
Harrisburg, 250 from  
100(.25)  
San Bernardino, 250 from  
100  
Anderson, 250 from  
100(.25)  
Pittsburgh, 5000 from  
1000(5)  
Victoria, 250 from 100(.25)  
Hot Springs, 250 from  
100(.25)  
Altoona, 250 from 100  
Tallmadge, 5000 from  
1000(5)  
El Paso, 500 from 250  
Minot, 1000 from 500(1)  
Las Vegas, 250 from  
100(.25)  
Durango, 250 from 100  
Bakersfield, 1000 from 100  
Medford, 1000 from 250(1)  
Wallace, 250 from 100(.25)  
Valdosta, 250 from 100(.25)  
Jersey City, 500(1) from  
250  
Boston, 5000 from 100(.25)  
Santa Ana, 250 from 100  
New London, 250 from 100  
Syracuse, 250 from 100

**Call Letters**

Salina, from WLAF

**Network**

Kingsport, new NBC  
Spartanburg, new CBS  
Safford, new NBC  
Daytona Beach, new NBC  
Kansas City, new MBS

**Stations Using Special Frequencies**

Call	City	Assigned	Using
KTHS	Hot Springs	1040	1060
WGAN	Portland	640	360



**Delete**  
 1210 WGMA Schenectady, N. Y.  
 1310 WDAH El Paso, Texas  
 1500 WRTD Richmond, Va.  
 1500 WSSJ San Juan, Puerto Rico

**Owner**  
 1310 KSUB Southern Utah Brdcastg. Co., Cedar City, Utah  
 1370 KRKO Everett Brdcastg. Co., Inc., Everett, Wash.  
 1420 KLBM Harold M. Finley, La Grande, Ore.

**Permit to Change Power**

550 WSWA Harrisonburg, to 1000  
 560 WGAN Portland, to 5000  
 560 WIND Gary, to 5000  
 560 WIS Columbia, to 5000  
 580 WCHS Charleston, to 5000  
 580 WDBO Orlando, to 5000  
 580 WIBW Topeka, to 5000  
 600 KFSD San Diego, to 5000  
 610 WIOD Miami, to 5000  
 620 KTAR Phoenix, to 5000  
 620 WKFT Wichita Falls, to 1000(5)  
 620 KFLA Tampa, to 5000  
 620 WSUN St. Petersburg, to 5000  
 620 WTMJ Milwaukee, to 5000  
 630 KFRU Columbia, to 250  
 630 WGBF Evansville, to 1000(5)  
 630 WMAL Washington, to 5000  
 680 WLAW Lawrence, to 5000  
 680 WPF Raleigh, to 50,000  
 710 KIRO Seattle, to 10,000  
 710 KMPC Beverly Hills, to 5000  
 760 WBAL Baltimore, to 50,000  
 770 KBAB Lincoln, to 50,000  
 780 KECA Los Angeles, to 5000  
 780 KGHL Billings, to 5000  
 780 WEAN Providence, to 5000  
 780 WPIC Sharon, to 1000  
 780 WTRF Norfolk, to 5000  
 890 KARK Little Rock, to 1000(5)  
 890 WBAA W. Lafayette, to 1000(5)  
 890 WJAR Providence, to 5000  
 890 WMMN Fairmount, to 5000  
 900 KGBU Ketchikan, to 1000  
 900 KHJ Los Angeles, to 5000  
 900 WREN Buffalo, to 5000  
 920 KFEL Denver, to 5000  
 920 KOMO Seattle, to 5000  
 920 KPRC Houston, to 5000  
 920 WPEN Philadelphia, to 5000  
 920 WWJ Detroit, to 5000  
 930 WBRC Birmingham, to 5000  
 930 WDBI Roanoke, to 5000  
 940 WAAJ Jersey City, to 1000  
 940 WAVE Louisville, to 5000  
 940 WCSH Portland, to 5000  
 940 WDAY Fargo, to 5000  
 950 WRC Washington, to 5000  
 1020 KYW Philadelphia, to 50,000  
 1050 KFBI Wichita, to 1000(5)  
 1060 WBAL Baltimore, to 50,000  
 1100 WOV New York City, to 5000  
 1120 WTAW College Station, to 5000  
 1180 KOB Albuquerque, to 50,000  
 1180 WDGY Minneapolis, to 5000(10)  
 1200 WBHP Huntsville, to 250  
 1200 WTHL Johnson City, to 1000  
 1210 CKBI Prince Albert, to 1000  
 1210 KFOR Lincoln, to 250  
 1210 WLOK Lima, to 250  
 1210 WSOC Charlotte, to 250  
 1220 KTMS Santa Barbara, to 1000  
 1230 KGBX Springfield, to 5000  
 1230 WFBM Indianapolis, to 5000  
 1230 WNAC Boston, to 5000  
 1230 XEG Monterrey, to 50,000

1240 KFJZ Fort Worth, to 5000  
 1240 WHBF Rock Island, to 5000  
 1240 WKAQ San Juan, to 5000  
 1240 WXYZ Detroit, to 5000  
 1250 KXOK St. Louis, to 5000  
 1250 WDSU New Orleans, to 5000  
 1250 WNEW New York, to 5000  
 1260 KOIL Omaha, to 5000  
 1260 WHIO Dayton, to 5000  
 1260 WNBX Springfield, to 5000  
 1280 KFBB Great Falls, to 5000  
 1280 KLS Oakland, to 1000  
 1280 WDOD Chattanooga, to 5000  
 1280 WIBA Madison, to 5000  
 1280 WORC Worcester, to 1000  
 1280 WRR Dallas, to 5000  
 1290 WNEL San Juan, to 5000  
 1300 KALE Portland, to 5000  
 1300 KFH Wichita, to 5000  
 1300 WFBC Greenville, to 5000  
 1310 WDFD Flint, to 1000  
 1310 WNBH New Bedford, to 250  
 1310 WROL Knoxville, to 500(1)  
 1310 WTJS Jackson, to 1000  
 1320 KGMB Honolulu, to 5000  
 1320 KRNT Des Moines, to 5000  
 1330 KSCJ Sioux City, to 5000  
 1330 WSAI Cincinnati, to 5000  
 1330 WTAQ Green Bay, to 5000  
 1350 KWK St. Louis, to 5000  
 1360 WFBL Syracuse, to 5000  
 1370 KRKO Everett, to 100(25)  
 1370 KUJ Walla Walla, to 1000  
 1370 WPAY Portsmouth, to 250  
 1380 WALA Mobile, to 5000  
 1380 WING Dayton, to 5000  
 1390 KABR Aberdeen, to 5000  
 1390 KLRA Little Rock, to 5000  
 1390 WHK Cleveland, to 5000  
 1420 KWBG Hutchinson, to 250  
 1420 WAPO Chattanooga, to 500(1)  
 1420 WELL Battle Creek, to 250  
 1420 WGPC Albany, to 250  
 1420 WMBS Uniontown, to 1000  
 1420 WPAR Parkersburg, to 250  
 1420 WPRP oPnce, to 100(5)  
 1440 KDFN Casper, to 1000  
 1500 WKAT Miami Beach, to 1000  
 1530 WBRV Waterbury, to 5000  
 1500 WQXR New York, to 5000

**Permit to Change Location**

1260 WNBX Springfield, Vt., to Keene, N. H.

**Permit to Change Frequency**

560 WGAN Portland, to 560 permanently from regular assignment of 640.  
 630 WGBF Evansville, to 1250  
 770 KFAB Lincoln, to 1080  
 1140 WSPR Springfield, to 1240  
 1180 WDGY Minneapolis, to 1100  
 1190 WSAZ Huntington, to 900  
 1200 WJHL Johnson City, to 880  
 1240 WKAQ San Juan, to 620  
 1250 KXOK St. Louis, to 630  
 1310 WDDF Flint, to 880  
 1310 WROL Knoxville, to 620  
 1310 WTJS Jackson, to 1360  
 1320 KGMB Honolulu, to 590  
 1360 WSMT South Bend, to 930  
 1370 KUJ Walla Walla, to 1390  
 1390 KRCL Lewiston, to 1370  
 1420 WAPO Chattanooga, to 1120  
 1420 WMBS Uniontown, to 590  
 1420 WPRP oPnce, to 1480  
 1450 KTBS Shreveport, to 620  
 1500 WKAT Miami Beach, to 1330

# NORTH AMERICAN BROADCASTING STATIONS BY FREQUENCIES WITH VERIFICATION SIGNERS

## KEY TO SYMBOLS

As Shown in the  
Index by Frequencies

Frequencies are given in kilocycles per second, and wavelengths in meters. Night power is shown in watts in third column 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 than using this power under Special Authorization.
- K—Licensed for facsimile.
- L—Limited time.
- M—Mutual Network.
- N—National "Red" and "Blue" Networks.

- O—RHC-Cadena Azul (Cuban Network)
- P—Has Construction Permit only.
- Q—Station not in use.
- R—National "Red" Network.
- S—Synchronized.
- Sx—Indicates a "Booster" (or amplifier, or satellite) station working with a larger station. The main station is indicated by S).
- 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 transmitter.
- 1-2-3—Figures denote stations sharing time.
- ?—Reported but not officially confirmed.
- ....—No information.

### Fourth Column Symbols

- a—verifies for return postage.
- b—Verifies only occasionally.
- d—Verifies for government postal card.
- e—Verifies free.
- f—Verifies for 10 cents.
- g—Card for postage; verify stamp for 10c.
- z—No information available.

## 540 kcs. (552.2 m.)



CBK	F	50000
CMAN	O	1000

- Watrous, Sask. ....
- Pinar del Rio, Cuba ....

## 550 kcs. (545.1 m.)



CFNB	F	1000
CMW	...	2500
KFYR	N	1000(5)
KOAC	...	1000
KOY	C	1000
KSD	R	1000(5)
KTSA	C	1000(5)
WDEV	D	1000
WGR	CM	1000(5)
WKRC	M	1000(5)
WSVA	DX	500

- Fredericton, N. B. ....
- Havana, Cuba ....
- Bismarck, N. Dak. ....
- Corvallis, Ore. ....
- Phoenix, Ariz. ....
- St. Louis, Mo. ....
- San Antonio, Texas ....
- Waterbury, Vt. ....
- Buffalo, N. Y. ....
- Cincinnati, Ohio ....
- Harrisonburg, Va. ....

- W. R. Griffin, DX Ann'cr.
- Luke L. Roberts, Mgr.
- ....
- Geo. Burbach, Mgr.
- G. W. Johnson, Mgr.
- Melvin Stickles, Ch. Eng.
- J. R. Lounsberry, Gen. Mgr.
- Vera Tyson
- Wendell Siler Prog. Dir.

## 560 kcs. (535.4 m.)



CJKL	F	1000
KFDM	N	1000
KLZ	C	5000
KSFO	C	1000(5)
KWTO	D	5000
WFIL	BM	1000
WGAM	CHXZ	500
WIND	CX	1000(5)
WIS	NX	1000(5)
WQAM	C	1000

- Kirkland Lake, Ont. ....
- Beaumont, Texas ....
- Denver, Colo. ....
- San Francisco, Calif. ....
- Springfield, Mo. ....
- Philadelphia, Pa. ....
- Portland, Me. ....
- Gary, Ind. ....
- Columbia, S. C. ....
- 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.)



CMKV	O	2500
KGKO	N	1000(5)
KMTR	...	1000
KVI	C	5000
T15CV	575	100
WKBN	C1	500(1)
WMAM	D	250
WMCA	...	1000
WNAX	C	1000(5)
WOSU	GI	1000
WSYR	B	1000
WWNC	C	1000

- Holguin, Cuba ....
- Fort Worth, Tex. ....
- Los Angeles, Calif. ....
- Tacoma, Wash. ....
- Alajuela, Costa Rica ....
- Youngstown, Ohio ....
- Marinette, Wis. ....
- New York, N. Y. ....
- Yankton, S. Dak. ....
- Columbus, Ohio ....
- Syracuse, N. Y. ....
- Asheville, N. C. ....

- Harold V. Hough, Mgr.
- Kenneth Tinkham, Mgr.
- J. W. Wallace, Ch. Eng.
- Carlos Vidache A.
- A. O. Hardy
- ....
- F. Hapton
- Clifton Todd, Ch. Eng.
- A. Hammerschmidt, Ch. Eng.
- Armand G. Belle Isle Chl. Eng.
- G. B. Hoskins Ch. Eng.

## 580 kcs. (516.9 m.)



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

- Prince Rupert, B. C. ....
- Quebec, P. Q. ....
- Toronto, Ont. ....
- Fort William, Ont. ....

- Felix E. Batt
- ....
- ....
- ....

CKUA	F	500
KMJ	EN	5000
KSAC	Z	500(11)
WCHS		500(5)
WBDO		100(5)
WIBW		1000(5)
WILL	D	5000
WTAG	R	1000(5)
XEMU	...	250

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

CMCY	O	20000
KHQ	ER	5000
WEEL	C	5000
WKZO	B	1000
WOW	R	5000

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

CFCF	BF	500
CFQC	F	1000
CJOR	...	1000
FON	609	250
KFSD	BX	1000
TIGPH	605	1000
WCAO	C	500(11)
WICC	BM	500(11)
WMT	BM	1000(5)
WREC	C	1000(5)

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

CHNC	F	1000
CMJN	O	1000
KFAR	...	1000
KPRC	M	5000
WCLE	DM	500
WDAF	R	5000
WIOD	NX	1000
WIP	...	5000
WMUR	P	1000(5)

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

KGW	R	1000(5)
KTAR	ENX	1000
KWFT		250(11)
TIPG	625	5000
WAGE	P	1000
WFLA		1000(5)
WHJB	D	250
WLBZ	MN	500(11)
WSUN	N	1000(5)
WTMJ		1000(5)

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

CFCO	F	100
CFCY	F	1000
CJRC	F	1000
CKOV	F	1000
CMCD		15000
KFRU	1NXZ	500(11)
KGFX	D	200
KOH	N	1000
KVOD	B	1000
WGBF	TNXZ	500(11)
WMAL	BX	250(11)
WPOR	C	5000
XEZ	...	2000

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

CMKN	O	1000
HOK	...	...
KFI	R	50000
VONF	...	12500
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.
- a Camaguey, Cuba
- z Fairbanks, Alaska
- b San Francisco, Calif.
- a Cleveland, Ohio
- a Kansas City, Mo.
- a Miami, Fla.
- a Philadelphia, Pa.
- z Manchester, N. H.

- a Portland, Ore.
- a Phoenix, Ariz.
- z Wichita Falls, Tex.
- b San Jose Costa Rica
- z Salina, N. Y.
- 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 Reno, Nev.
- a Denver, Colo.
- a Evansville, Ind.
- a Washington, D. C.
- a Providence, R. I.
- a Merida, Yuc.

- a Santiago, Cuba
- z Colon, Panama
- f Los Angeles, Calif.
- a St. John's, Nfld.
- a Columbus, Ohio
- a Ames, Iowa
- z Sabinas, Cosh.
- a San Salvador, E. S.

- ... ..
- I. E. Dickinson, Ch. Eng.
- L. L. Longsdorf, Prog. Dir.
- Odes Robinson, Ch. Eng.
- G. Burnett
- Ben Ludy, Gen. Mgr.
- A. James Ebel, Ch. Eng.
- Lillian Murphy, Prog. Dir.
- ... ..

- ... ..
- Harvey Wixson, Mgr.
- Margaret Grady
- John Fetzer, Gen. Mgr.
- Wm. Koterka, Ch. Eng.

- Kenneth Paul, Ch. Eng.
- A. A. Murphy, Gen. Mgr.
- D. E. Laws, Mgr.
- G. Salomon
- Leah McMahon, Prog. Dir.
- Gonzalo Pinto H.
- Mary Lewis
- Garo Ray
- 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.
- A. Curl
- Ruth Richardson
- James Allen, Prog. Dir.
- ... ..

- 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.
- Merle Snider, Prog. Dir.
- T. C. Ekrem, Mgr.
- Pat Roper, Prog. Dir.
- A. E. Johnson, Ch. Eng.
- Margaret O'Rourke
- Jorge Palomeque

- ... ..
- Dorothy Roe

- ... ..
- J. E. Anderson, Ch. Eng.
- W. E. Stewart, Ch. Eng.
- Benito Garzo O.
- ... ..

## 650 kcs. (461.3 m.)

TIGPH	P	.....
WSM	N	50000

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

Gonzalo Pinto H.  
Harry Stone, Gen. Mgr.

## 660 kcs. (454.3 m.)

KOWH	BD	500
WEAF	R	50000
XEAO	...	250

a	Omaha, Nebr.
a	New York, N. Y.
a	Mexicali, B. Cfa.

W. F. Myers, Mgr.  
Audience Mail Dept.  
.....

## 670 kcs. (447.5 m.)

WMAQ	R	50000
XELO	...	50000

b	Chicago, Ill.
a	Tijuana, B. Cfa.

Audience Mail Dept.  
.....

## 680 kcs. (440.9 m.)

KFEQ	...	500 (2.5)
KPQ	R	50000
VAS	685	2000
WLAW	DX	1000
WPTF	NX	5000
.....	EP	5000

a	St. Joseph, Mo.
a	San Francisco, Calif.
f	Glace Bay, N. S.
a	Lawrence, Mass.
a	Raleigh, N. C.
z	Santiago de Cuba

J. Wesley Koch, Ch. Eng.  
Audience Mail Supervisor  
.....  
H. W. Brown  
Graham Poyner, Prog. Dir.

## 690 kcs. (434.5 m.)

CFRB	C	10000
CJCJ	F	100
CMQ	N	25000
TIGH	...	1000
XET	...	5000

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

H. Sedgwick, Man. Dir.  
R. H. Henderson, Ch. Eng.

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
KIRO	CX	1000
KMPC	CX	1000 (5)
WOR	KM	50000
.....	EP	5000

a	Matanzas, Cuba
a	Seattle, Wash.
a	Beverly Hills, Calif.
a	Newark, N. J.
z	Santa Clara, Cuba

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

## 720 kcs. (416.4 m.)

CMBL	...	5000
TI4NRH	725	750
WGN	KM	50000
XEWE	...	20

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

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

## 730 kcs. (410.7 m.)

CFPL	F	100
CJCA	F	1000
CKAC	C	5000
CMKU	E	1000
XEQ	...	50000

a	London, Ont.
a	Edmonton, Alta.
a	Montreal, P. Q.
a	Victoria Tunas, Cuba
a	Mexico City, D. F.

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

J. M. Marroqui :1

## 740 kcs. (405.2 m.)

KMMJ	L	1000
KTRB	D	250
WHEB	D	1000
WSB	R	50000
XEP	...	250
XEPN	AQ	50000

a	Grand Island, Nebr.
a	Modesto, Calif.
a	Portsmouth, N. H.
a	Atlanta, Ga.
a	Monterrey, N. L.
z	Piedras Negras, Coah.

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

## 750 kcs. (399.8 m.)

CMK	...	200
KGU	LN	2500
TING	...	375

a	Havana, Cuba
a	Honolulu, Hawaii
z	San Jose, Costa Rica

Marion A. Mulrony, Mgr.  
Narcisco Garcia

**RADEX**

WJR C 50000  
 XEAA ... 200  
 WFAM ... 25  
 XEON ... 2000

a Detroit, Mich.  
 a Mexicali, B. Cfa.  
 z Matamoros, Tam.  
 a Tijuana, B. Cfa.

Geraldine Elliott, Prog. Dir.  
 Alberto Gonzalez  
 Manuel L. Salinas

**760 kcs. (394.5 m.)**

CMGN O 1000  
 CMHN E 1000  
 CMKJ E 1000  
 KXA L 1000  
 WBAL HSX 2500  
 WCAL D2 5000  
 WEW D 1000  
 WJZ BS 50000  
 WLB D2 5000

a Jovellanos, Cuba  
 a Santa Clara, Cuba  
 a Guantanamo, Cuba  
 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 Monie Peralta  
 Frank Fligel

**780 kcs. (384.4 m.)**

CHWK F 100  
 CKSO F 1000  
 CMBC ... 5000  
 KECA X 1000(5)  
 KFDY D 1000  
 KFQD 250  
 KGHL NX 1000(5)  
 WEAN BMX 1000(5)  
 WMC IR 5000  
 WPIC DX 250  
 WPRR ... 1000(2.5)  
 WTRR NX 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 Providence, R. I.  
 a Memphis, Tenn.  
 a Sharon, Pa.  
 a Mayague, P. R.  
 d Norfolk, Va.  
 a Mexico City, D. F.

Jack Pilling, Ch. Eng.  
 W. E. Mason

Jack Gross, Mgr.  
 S. W. Jones, Mgr.  
 R. E. McDonald, Mgr.  
 Ed Yocum, 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.  
 Adams Calhoun  
 Geo. R. Lenhart, Ch. Eng.

**810 kcs. (370.2 m.)**

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

a Havana, Cuba  
 a Minneapolis, Minn.  
 a New York, N. Y.  
 a Mexico City, D. F.

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

**820 kcs. (365.6 m.)**

WHAS C 50000  
 XEBG ... 1000

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

Lawrence Pohl  
 Angel B. Fernandez

**830 kcs. (361.2 m.)**

CMHI O 10000  
 KFUD D 1000  
 KOA R 50000  
 TIEP ... 3000  
 WEEU DN 1000  
 WHDH L 1000  
 WRUP L 5000  
 XERC ... 500

a Santa Clara, Cuba  
 a Clayton, Mo.  
 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  
WHCU CD 1000  
WKAR D 5000  
WWL C 50000

a Havana, Cuba  
a Glendale, Calif.  
a Itaca, 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  
CMKS ... 200  
TIEMC ... 250  
WABC C 50000  
WHB DM 1000  
XEMO ... 5000

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

Rafael Valdes

Rafael Hine Ch.  
F. Donald Ickes  
M. H. Straight, Mgr.  
Fernando Federico Ferreira

## 870 kcs. (344.6 m.)

CMJM O 1000  
WENR Ba 50000  
WLS Ba 50000  
XEFB ... 500

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

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

## 880 kcs. (340.7 m.)

CBO F 1000  
CFJC F 1000  
CMX ... 10000  
KFKA M2 1000  
KLX ... 1000  
KPOF 2 1000  
KRRV M 1000  
KVAN D 250  
TILS ... 500  
WCOC C 1000  
WGBI CI 500(1)  
WQAN I 500(1)  
WRNL B 1000  
WSUI ... 1000(5)

a Ottawa, Ont.  
a Kamloops, B. C.  
e Havana, Cuba  
a Greeley, Colo.  
a Oakland, Calif.  
a Denver, Colo.  
a Sherman, Texas  
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 Olloqui  
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 NX 1000  
KENF 2 500(1)  
KFPY C 5000  
KTKC M 1000  
KUSD 2 500  
WBAA X 500(1)  
WGST C 1000(5)  
WJAR RX 1000(5)  
WMMN CX 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. Brackett, Mgr.  
Ralph R. Townsley, Ch. Eng.  
Ben Akerman, Ch. Eng.  
Thomas Prior, Ch. Eng.  
J. R. Heck, Ch. Eng.  
.....

## 900 kcs. (333.1 m.)

CMJX ... 200  
HIG ... 250  
KGBU X 500  
KHJ MX 1000(5)  
KSEI N 250(1)  
TIAFB ... 600  
WBEN RX 1000(5)  
WFMD D 500  
WJAX N 1000(5)  
WNY D 5000  
WLBL D 5000  
WPAT DP 1000  
WVOP D 1000

a Camaguey, Cuba  
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.  
z Paterson, N. J.  
a Quincy, Ill.

Andres Cordero Puello  
James A. Britton, Mgr.  
Lewis Allen Weiss, Mgr.  
R. A. Fletcher, Prog. Dir.  
Mayid Borzuna  
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  
CIAT F 1000  
CKY F 15000

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

Francis Gondraner, Mgr.  
.....  
.....

CMKD ... 1000  
 XEFZ ... 250  
 XENT Q 50000

920 kcs. (325.9 m.)

CMHT ... 200  
 CMZ ... 5000  
 KFEL MX 1000  
 KOMO RX 1000(5)  
 KPRC EXR 1000(5)  
 TIRS 925 200  
 WAAF D 1000  
 WORL D 500  
 WPEN X 1000  
 WSPA D 1000  
 WWJ RX 1000(5)

a Santiago de Cuba  
 a Nuevo Laredo, Tam.  
 a Nuevo Laredo, Tam.

Francisco Meneau  
 Rafael T. Carranza  
 T. Yount, Mgr.

930 kcs. (322.4 m.)

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

z Trinidad, Cuba  
 z Havana, Cuba  
 a 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  
 ...  
 Gené O'Fallon, Mgr.  
 Lee Barnes, Aud. Mail Dept.  
 Kery Tips, Mgr.  
 Rogelio Sotela B.  
 Wm. E. Hutchinson, Mgr.  
 Geo. Luckey, Ch. Eng.  
 ...  
 E. S. Long, Ch. Eng.  
 Ty Tyson

940 kcs. (319 m.)

KOIN C 5000  
 TIOS ... 500  
 WAAT DX 500  
 WAVE NX 1000  
 WCSH RX 1000(2.5)  
 WDAY NX 1000(5)  
 WHA D 5000  
 WICA D 1000  
 WKGA P 1000(5)  
 XEFO ... 5000

a Calgary, Alta.  
 a North Bay, Ont.  
 a Prescott, Ont.  
 a Halifax, N. S.  
 a Brantford, Ont.  
 a 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

950 kcs. (315.6 m.)

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

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  
 z Tampa, Fla.  
 a Mexico City, D. F.

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

960 kcs. (312.3 m.)

CBM FR 5000  
 CFRN F 100  
 XEAW ... 100000

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

Alberto Alvarez Ferrera  
 Harry Maizlish, Mgr.  
 Arthur B. Church, Mgr.  
 ...  
 K. H. Berkelev  
 ...

970 kcs. (309.1 m.)

CMCK ... 5000  
 KJR B 5000  
 WCFL N 5000  
 WIBG L 1000

a Montreal, P. Q.  
 a Edmonton, Alta.  
 a Reynosa, Tam.  
 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

b Pittsburgh, Pa.  
 a Tijuana, B. Cfa.

A. E. Nelson Mgr.  
 Jorge I. Rivera

990 kcs. (302.8 m.)

WBZ BS 50000  
 WBZA BS 1000  
 XENT ... 150000

a Boston, Mass.  
 a Springfield, Mass.  
 a Nuevo Laredo, Tam.

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

## 1000 kcs. (299.8 m.)

CMKG	...	10000	z	Santiago de Cuba
KFVD	L	1000	a	Los Angeles, Calif.
TIFA	...	250	z	San Jose, C. Rica
WHO	R	50000	a	Des Moines, Iowa
XEAF	...	750	a	Nogales, Son.
XEK	...	200	a	Mexico City, D. F.
XEBI	...	250	a	Agascalientes, Aqs.

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

## 1010 kcs. (296.9 m.)

CHML	F	100	a	Hamilton, Ont.
CKCK	F	1000	a	Regina, Sask.
CKCO	F	100	a	Ottawa, Ont.
CMBZ	...	5000	a	Havana, Cuba
KGGF	M2	1000	a	Coffeyville, Kans.
KQW	M	5000	a	San Jose, Calif.
WHN	...	1000(5)	a	New York, N. Y.
WNAD	2	1000	a	Norman, Okla.
WNOX	C	1000(5)	a	Knoxville, Tenn.
XEFQ	...	500	a	Cananea, Son.
XEU	...	500	a	Veracruz, Ver. C.

.....  
 Dr. G. H. Geldert  
 .....  
 Hugh J. Powell  
 C. S. Harper, Mgr.  
 .....  
 T. M. Beard, Prog. Dir.  
 Pedro L. Diaz  
 .....  
 Fernando Pazos S.

## 1020 kcs. (293.9 m.)

CMHO	...	...	z	Cienfuegos, Cuba
CMJK	...	200	z	Camaguey, Cuba
KYW	RX	10000	b	Philadelphia, Pa.
WDZ	D	1000	a	Tuscola, Ill.
XEJ	...	1000	a	Juarez, Chih.

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

## 1030 kcs. (291.1 m.)

CFCN	F	10000	a	Calgary, Alta.
CJBR	F	1000	a	Rimouski, P. Q.
CKLV	FM	5000	a	Windsor, Ont.
CMKW	...	1000	z	Santiago de Cuba
CMAC	P	100	z	Pinar Del Rio, Cuba
TIHO	...	500	z	San Jose, C. Rica
XEB	...	20000	a	Mexico City, D. F.

E. Marshall  
 J. A. Brilliant  
 .....  
 Claudio Alvarez Soriano  
 .....  
 Guillermo Zuniga R.  
 .....

## 1040 kcs. (288.3 m.)

KRLD	C	50000	a	Dallas, Texas
KWJJ	HL	500	a	Portland, Ore.
KYOS	DM	250	a	Merced, Calif.
VOCM	...	100	z	St. John's, Nfld.
WTIC	R	50000	a	Hartford, Conn.
.....	P	1000	z	Matanzas, Cuba

Given Boyd  
 Art Morey, Ann'cr.  
 John W. Crews, Mgr.  
 .....  
 T. C. McCray  
 .....

## 1050 kcs. (285.5 m.)

CBA	F	50000	a	Sackville, N. B.
CMCH	...	200	a	Havana, Cuba
CMCX	...	200	z	Guanabacoa, Cuba
CMKW	...	1000	z	Santiago de Cuba
HIT	...	50	z	Trujillo, D. R.
KFBI	LX2	5000	a	Wichita, Kans.
KNX	C	50000	a	Los Angeles, Calif.
WEAU	L2	1000(5)	a	Eau Claire, Wis.
WIBC	D	1000	a	Indianapolis, Ind.

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

## 1060 kcs. (282.8 m.)

KTHS	HN	10000	a	Hot Springs, Ark.
VOAC	1065	40	z	St. John's, Nfld.
WBAL	BMX	10000	a	Baltimore, Md.
WJAG	L	1000	a	Norfolk, Nebr.

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

## 1070 kcs. (280.2 m.)

CMJW	...	200	z	Camaguey Cuba
KJBS	L	500	a	San Francisco, Calif.
TINBC	P	5000	z	San Jose C. Rica
WCAZ	D	100	a	Carthage, Ill.
WTAM	R	50000	a	Cleveland, Ohio

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



**1080 kcs. (277.6 m.)**

CMCG	...	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.
- g Chicago, Ill.
- z Guzman, Jal.
- a Nuevo Laredo, Tam.
- z Mexico City, D. F.

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	C	50000
WCAR	DF	1000
WOV	X	5000

- a Vancouver, B. C.
- z Placetas, Cuba
- f Stockton, Calif.
- a Shreveport, La.
- z Pontiac, Mich.
- a New York, N. Y.

....  
 A. H. Green, Mgr.  
 John McCormack, Mgr.  
 S. H. Alper

**1110 kcs. (270.1 m.)**

CMCU	...	5000
CMKH	...	200
KSOU	LN	5000
WRVA	CM	50000
XECL	...	1000

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

....  
 M. D. Roddenbury  
 Alfonso A. Lacarra

**1120 kcs. (267.7 m.)**

@BJ	F	100
CHLP	F	100
CHSJ	F	1000
CKOC	F	1000
CKX	F	1000
CMGF	...	200
KFIO	D	100
KFSG	a	1000(.5)
KRKR	a	1000(.5)
KSAL	...	500(1)
KRSC	E	1000
KTBC	DG2	1000
WCOP	D	500
WDEL	R	250(1)
WISN	C	250(1)
WJBO	BX	500
WKPA	D	250
WTAW	G2X	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 Salina, Kans.
- a Seattle, Wash.
- z Austin, Texas
- a Boston, Mass.
- a Wilmington, Del.
- a Milwaukee, Wis.
- a Baton Rouge, La.
- a New Kensington, Pa.
- a College Station, Texas

....  
 L. W. Bewick, Sec'y-Treas.  
 ....  
 Bernabe de la Torre  
 Arthur L. Smith, Mgr.  
 Ruth Pritchard  
 Dr. Giles N. Knight, Mgr.

C. R. Cooper

**1130 kcs. (265.3 m.)**

CMJI	...	200
KSL	C	50000
WJJD	L	20000
XEJP	...	100

- a Ciego de Avila, Cuba
- a Salt Lake City, Utah
- a Chicago, Ill.
- z Mexico City, D. F.

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

**1140 kcs. (263 m.)**

CMKY	...	5000
KVOO	N	25000
WAPI	C	5000
WSPR	LMZ	500

- z Santiago, Cuba
- a Tulsa, Okla.
- a Birmingham, Ala.
- a Springfield, Mass.

Wm. B. Way, Mgr.  
 N. McFarland  
 Hillis W. Holt

**1150 kcs. (260.7 m.)**

CMBQ	...	5000
WHAM	N	50000
XEBP	...	250
XEC	...	100
XEDW	...	300
XEL	...	250
XEXH	...	400

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

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 BT 10000  
 WWVA CI 5000  
 XEAS ... 100  
 XED ... 2500  
 XEFM ...  
 KEP ... 500

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

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

**1170 kcs. (256.3 m.)**

WCAU C 50000  
 XEXX ... 1000

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

J. G. Leitch  
 ...

**1180 kcs. (254.1 m.)**

CMBG ... 1500  
 CMBX ... 200  
 KOB NX 10000  
 WDGY LMXZ 1000 (5)  
 WINS L 1000  
 WMAZ CL 1000(5)

a Havana, Cuba  
 a Havana, Cuba  
 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.)**

CMGH ... 500  
 CMKX ... 200  
 WOA1 FN 50000  
 WSAZ LZ 1000

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

....  
 Oscar Vidal Benitez  
 ...  
 S. Swann

**1200 kcs. (249.9 m.)**

CHAB F 100(.25)  
 CHGB F 100

a Moose Jaw, Sask.  
 z St. Anne de la Pocatiere  
 P. Q.

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

CKNX ... 100  
 CKTB F 100  
 CKVD 100  
 KADA EM 250  
 KAST ... 250  
 KBTM ... 100(.25)  
 KELO N 250  
 KFDA EM 250  
 KFJB ... 250  
 KFXD ... 250  
 KFXJ ... 250  
 KGDE ... 100(.25)  
 KGEK ... 100  
 KGFJ ... 100  
 KGHI ... 250  
 KHAS ... 250  
 KHCB CM 250  
 KMLB ... 250  
 KODL P 100(.25)  
 KOOS M 250  
 KPHO P 250  
 KSUN E 250  
 KVCV M 250  
 KVEC M 250  
 KVNU ... 250  
 KVOS M 250  
 KWG BE 100  
 KWNO E 250  
 TIRCC ... 500  
 WABI C 250  
 WAIM C 100  
 WAJR P 250  
 WAYX ... 250  
 WBAB ... 250  
 WBBZ M 250  
 WBHP X 100  
 WBLJ P 250  
 WBOW N 250  
 WCAT D 100  
 WCAX C 250  
 WCBT P 250  
 WCED P 250  
 WCLO ... 250  
 WCOL N 250  
 WCPO ... 250  
 WDLF ... 100(.25)

a Wingham, Ont.  
 a St. Catharines, Ont.  
 z Val d'Or, P. Q.  
 a Ada, Okla.  
 a Astoria, Ore.  
 a Jonesboro, Ark.  
 a Sioux Falls, S. Dak.  
 a Amarillo, Tex.  
 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.  
 a Hastings, Nebr.  
 a Hilo, Hawaii  
 a Monroe La.  
 z The Dalles, Oreg.  
 a Marshfield, Ore.  
 z Phoenix, Ariz.  
 a Lowell, Ariz.  
 a Redding, Calif.  
 a San Luis Obispo, Calif.  
 z Logan, Utah  
 d Bellingham, Wash.  
 a Stockton, Calif.  
 a Winona, Minn.  
 z San Jose, C. Rica  
 a Bangor, Maine  
 a Anderson, S. C.  
 z Morgantown, W. Va.  
 a Waycross, Ga.  
 a Atlantic City, N. J.  
 a Ponca City, Okla.  
 a Huntsville, Ala.  
 z Daeton, Ga.  
 a Terre Haute, Ind.  
 a Rapid City, S. Dak.  
 a Burlington, Vt.  
 z Roanoke Rapids, N. C.  
 z Du Bois, Pa.  
 a Janesville, Wis.  
 a Columbus, Ohio  
 a Cincinnati, Ohio  
 a Panama City, Fla.

B. Howard Bedford, Asst. Mgr.  
 E. T. Sandell  
 Warren Moore, Prog. Dir.  
 Lawrence King, Ch. Eng.  
 Jay P. Beard, Mgr.  
 Joseph Henkin, Mgr.  
 ...  
 Homer Griffith, Mgr.  
 Edward Hurt, Mgr.  
 Rex Howell, Mgr.  
 Mat E. Wakz, Ch. Eng.  
 Elmer G. Beehler  
 Thelma Kirchner, Prog. Dir.  
 Orville Rennie, Mgr.  
 ...  
 Webley Ewards, Mgr.  
 J. C. Limer, Jr., Mgr.  
 ...  
 Roger L. Spough, Ch. Eng.  
 ...  
 Carleton W. Morris, Mgr.  
 Harold Smithson, Mgr.  
 Earl Travis, Ch. Eng.  
 J. M. Reeder, Ch. Eng.  
 ...  
 George Ross, Mgr.  
 A. E. Mickel, Mgr.  
 Carlos Borge  
 Ralph Wallace, Mgr.  
 Cecil Crawford  
 ...  
 Jack Williams  
 ...  
 Don Mitchell, Ch. Eng.  
 ...  
 ...  
 C. M. Rowe, Prog. Dir.  
 James Tierney, Ch. Eng.  
 ...  
 ...  
 Charles Brannen, Ch. Eng.  
 ...  
 Glen A. Davis, Ch. Eng.  
 ...

RADEX

WDSM	M	100
WENY	M	250
WEST	M	250
WESX		100
WFAM	4	100
WFTC		250
WGRB	P	250
WHBC	M	250
WHBY	E	250
WHOP		250
WIBX	C	250
WIL		250
WJBC		250
WJBW		250
WJHL	XZ	250
WJNO	C	250
WJOB	4	100
WJRD	E	250
WKBO	N	250
WLOF	P	250
WLOG	D	100
WLVA		250
WMFR		250
WMOB		250
WMPC	G	250
WOLS	N	250
WRBL	C	250
WSAM	G	100(.25)
WSKB		250
WSOO		100(.25)
WTHT	M	250
WTOL		250
....	P	250

1210 kcs. (247.8 m.)

CHLT	...	100
CJCS		50
CKBI	FX	250
CKCH	F	100
CKMC		50
CKNB	F	100
CMCO		200
CMHK		200
CMOA		200
KALB		250
KANS	N	250
KASA	M	100
KDLR		250
KDON	M	100
KFJI		100
KFOR	EMX	100(.25)
KFXM	MZ	250
KGLO	C	250
KGY	M	100
KHBG		250
KIUL		100
KLAH		250
KOCA		250
KOVO	EM	250
KPPA	EN	250
KPPC	2	100
KROY	C	100
KVSO	M	100(.25)
KWAT		250
KWJB		250
KXOX		250
KYUM	E	250
WATN	P	250
WBAX	AM	100
WBRL	5	100
WBIR	P	100(.25)
WBRB	3	100
WCOU	M	250
WCOV		100
WCRW	4	100
WEOB		250
WEDC	G4	250
WFAS	3	250
WFOY		250
WFTM		250

z	Superior, Wis.
d	Elmira, N. Y.
a	Easton, Pa.
z	Salem, Mass.
a	South Bend, Ind.
a	Kinston, N. C.
z	Grand Rapids, Mich.
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	Hammond, Ind.
a	Tuscaloosa, Ala.
a	Harrisburg, Pa.
z	Orlando, Fla.
a	Logan, W. Va.
a	Lynchburg, Va.
a	High Point, N. C.
a	Mobile, Ala.
a	Lapeer, Mich.
a	Florence, S. C.
a	Columbus, Ga.
a	Saginaw, Mich.
a	McComb, Miss.
a	Sault Ste. Marie, Mich.
a	Hartford, Conn.
a	Toledo, Ohio
z	Baltimore, Md.

z	Sherbrooke, P. Q.
a	Stratford, Ont.
a	Prince Albert, Sask.
a	Hull, P. Q.
a	Cobalt, Ont.
a	Campbellton, N. B.
a	Havana, Cuba
z	Crucis, Cuba
a	Havana, 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	San Bernardino, Calif.
z	Mason City, Iowa
a	Olmola, 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.
a	Watertown, S. Dak.
a	Globe, Ariz.
z	Sweetwater, Tex.
a	Yuma, Ariz.
z	Watertown, N. Y.
a	Wilkes-Barre, Pa.
a	Richmond, Va.
z	Knoxville, Tenn.
a	Red Bank, N. J.
a	Lewiston, Maine
z	Montgomery, Ala.
a	Chicago, Ill.
a	Harrisburg, Ill.
a	Chicago, Ill.
a	White Plains, N. Y.
a	St. Augustine, Fla.
a	Ft. Myers, Fla.

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 Al Thompson, Ch. Eng.  
 Clinton R. White  
 J. R. Tate, Ch. Eng.  
 Caleb Frisk, Ch. Eng.  
 Frank Seitz  
 Bradley Overton, Ch. Eng.

WGAC	P	250
WGBB	3	100
WGCM	...	250
WGGM	P	250
WGRM	...	250
WHA1	M	250
WHBU	...	250
WHIZ	N	250
WIRU	...	250
WINN	...	100(.25)
WIPY	E	250
WJEJ	...	250
WJIM	B	250
WJLS	...	250
WJMC	D	250
WJTN	B	250
WJW	M	250
WKOK	...	250
WLOK	X	100
WMFG	C	250
WOCB	...	250
WOMT	...	100
WPAX	...	250
WPID	5	250
WRAL	M	250
WSAY	M	250
WSBC	G4	250
WSIX	M	250
WSNJ	...	250
WSOC	MNX	100(.25)
WTAX	...	100
WTMA	N	250
YEAT	...	250
XEE	...	50
XEFV	...	50

**1220 kcs. (245.8 m.)**

KFKU	a	1000(5)
KPAC	...	500
KTMS	BEX	500
KTW	2	1000
KWSC	2	1000(5)
TIGPH	1225	1000
WCAD	D	500
WCAE	MR	5000
WDAE	C	5000
WGNY	D	250
WREN	aB	1000(5)
XEBL	...	500
XEDA	...	200
XFTF	...	12

**1230 kcs. (243.8 m.)**

CMIE	...	200
KGBX	NX	500
KGGM	C	1000
KYA	F	1000(5)
WALB	DP	1000
WFBM	CX	5000
WNAC	RX	1000(5)
WOL	M	1000
XFCA	...	250
XEG	X	250
XFHK	...	125
XEHR	...	250
XELK	...	100
XEOX	...	250

**1240 kcs. (241.8 m.)**

CJCB	F	1000
CMAB	...	200
CMHB	...	200
KFJZ	MX	1000
KGCU	...	250
KTFI	N	1000
WHBF	MX	1000
WKAQ	CXZ	1000
WXYZ	RX	1000(5)
XEAD	A	500

a	Augusta, Ga.
a	Freeport, N. Y.
a	Gulfport, Miss.
z	Gainesville, Ga.
a	Greenwood, Miss.
a	Greenfield, Mass.
a	Anderson, Ind.
a	Zanesville, Ohio
a	Povnette, Wis.
a	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.
a	Hyannis, Mass.
a	Manitowoc, Wis.
a	Thomasville, Ga.
a	Petersburg, Va.
a	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	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.

z	Camaguey, Cuba
a	Springfield, Mo.
a	Albuquerque, N. Mex.
a	San Francisco, Calif.
z	Albany, Ga.
a	Indianapolis, Ind.
a	Boston, Mass.
a	Washington, D. C.
z	Tampico, Tam.
z	Monterrey, N. L.
z	Guadalaiera, Jal.
a	Puebla, Pue.
a	Zacatecas, Zac.
a	Los Mochis, Sin.

a	Svdnev, 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	Agua Calientes, Aqs.

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R. F. Fulwider, Ch. Eng.  
Ronald Woodyard, Mgr.

Vernon Story, Ch. Eng.  
G. Harold Brewer  
Leo Yiha, Ch. Eng.  
Joe L. Smith, Jr.  
Walter McGenty

Gene LaValle, Prog. Dir.  
Paul L. Miller, Eng.  
S. L. Gladfelter, Ch. Eng.  
Charles Persons, Ch. Eng.

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H. Wimpy

R. E. Ritch  
Thurlow Greene  
Ed Jacker, Ch. Eng.  
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Edward Ring, Ch. Eng.  
D. M. Dradham, Ch. Eng.  
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Gonzalo Pinto H.  
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Ignacio L. Saiz  
Pedro Riestra Diaz  
Jose Rodriguez Lopez

Primo Alfonso Casares  
R. D. Foster, Mgr.  
Mike Hollander, Mgr.  
Frances Pike, Prog. Dir.

N. N. Lyon, Ch. Technician  
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.

XEBC A 100  
 XEBU ... 50  
 XECW ... 250  
 XEDF ... 100  
 XEDL ... 500  
 XEJS ... 100  
 XEKL A 500  
 XEKS ... 100  
 XEME ... 400  
 XEOA ... 450

z Morelia, Micho.  
 z Chihuahua, Chih.  
 z Cordoba, Ver. C.  
 a Nuevo Laredo, Tam.  
 z Navojoa, Son.  
 z Cananea, Son.  
 b Leon, Gto.  
 z Saltillo, Coah.  
 z Merida, Yuc.  
 a Oaxaca, Oax.

.....  
 Feliciano Lopez Islas  
 .....  
 Ruperto Villarreal  
 .....  
 .....  
 P. Villamil Cisero  
 .....

1250 kcs. (239.9 m.)

CMBS ... 200  
 CMCB ... 200  
 CMKC ... 200  
 KFOX ... 1000  
 KXOK XZ 1000  
 WAIR DM 250  
 WDSU BX 1000  
 WHBI 2 1000(2.5)  
 WKST D 1000  
 WMRO D 250  
 WNEW 2X 1000(5)  
 WTCN B 1000(5)  
 XEAI ... 500

a Havana, Cuba  
 a Havana, Cuba  
 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.  
 A. W. Graham  
 Leo S. Burch, Ch. Eng.  
 Max Weiner, Ch. Eng.  
 .....  
 Carmen Gutierrez

1260 kcs. (238 m.)

CMJO ... 200  
 KGVO C 1000(5)  
 KHSL M 500(1)  
 KOIL CEMX 1000(5)  
 KRGV N 1000  
 KUOA D 5000  
 KVOA EN 1000  
 WFVA D 250  
 WHIO CX 1000(5)  
 WHLD D 1000  
 WNBX CMXY 1000  
 WTOC C 1000(5)

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  
 a Niagara Falls, N. Y.  
 a Springfield, Vt.  
 a Savannah, Ga.

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.  
 .....  
 Norman Steinbruch  
 Wm. B. Smart, Prog. Dir.

1270 kcs. (236.1 m.)

CMHD ... 200  
 KGCA DO2 100  
 KOL M 1000(5)  
 KVOR C 1000  
 KWLC DZ 100  
 WASH ADN 500  
 WFBR R 1000(5)  
 WJDX R 1000(5)  
 WOOD AN 500  
 WWNY DP 500  
 XESM ... 100  
 XEXB A 250  
 XEXE ... 17

d Caibarien, 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 Watertown, N. Y.  
 z Mexico City, D. F.  
 a Jalapa, Ver. C.  
 z Texcoco, D. F.

Manuel Alvarez M.  
 Elmer Pederson, Mgr.  
 Charles Greenley  
 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 CX 1000(5)  
 KLS X 250  
 WCAM 2 500  
 WCAP 2 500  
 WDOD CX 1000(5)  
 WIBA NX 1000(5)  
 WORC CX 500  
 WRR MX 500  
 WTNJ 2 500  
 XEKR ... 100  
 XEMX A 100  
 ..... P 1000(5)

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.  
 z Indianapolis, Ind.

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

1290 kcs. (232.4 m.)

CJHC P 1000  
 CMBD ... 5000  
 CMBF ... 5000  
 KDYL R 1000(5)  
 KLCN D 100

z Halifax, N. S.  
 z Havana, Cuba  
 z Havana, Cuba  
 a Salt Lake City, Utah  
 a Blytheville, Ark.

S. S. Fox, Mgr.  
 C. L. Lintzenich, Mgr.

KTRH C 1000(5)  
 WATR ... 250  
 WEBC N 1000(5)  
 WJAS C 1000(5)  
 WJHP ... 250  
 WNRZ D 100  
 WNEL X 1000(.25)

## 1300 kcs. (230.6 m.)

KALE M 1000(5)  
 KFAC 1000  
 KFH CX 1000(5)  
 WBBR 2 1000  
 WEVD 2 1000  
 WFBC NX 1000(5)  
 WHAZ 2 1000  
 WHRL ... 250(1)  
 WL0L ... 1000

## 1310 kcs. (228.9 m.)

CFGP ... 100  
 CHCK ... 50  
 CJLS F 100  
 CKCV F 100  
 CMKE ?  
 KARM C 250  
 KBND ... 250  
 KCKN E 250  
 KCRJ E 250  
 KFPL ... 100(.25)  
 KFYO M 250  
 KGEZ ... 100  
 KGFV ... 250  
 KHUB ... 250  
 KMYR P 100(.25)  
 KOCY ... 250  
 KOMI EM 250  
 KPDN 100  
 KRJF P 250  
 KRMD ... 250  
 KR0C EN 250  
 KRRV DMXZ 250  
 KSRO ... 250  
 KSUB ... 100  
 KUIN ... 250  
 KVIC ... 250  
 KV0L ... 250  
 KVOX E 250  
 KVSF C 100  
 KWFC ... 250  
 KWLM P 100  
 KWOC ... 250  
 KWOS ... 250  
 KXRO M 250  
 TGI ...  
 WAML ... 250  
 WBRF N 250  
 WBRK M 250  
 WBRW ... 250  
 WCLS ... 100  
 WCM1 M 250  
 WDAK ... 250  
 WDMJ ... 250  
 WEBR B 250  
 WEMP ... 250  
 WEXL ... 50  
 WFBG R 250  
 WFDF BXZ 100  
 WFRH P 100(.25)  
 WFIG ... 100(.25)  
 WGAU ... 250  
 WGH K 250  
 WGTM 250  
 WHAT 4 100  
 WINX P 250  
 WIZE P 100  
 WJPF ... 250  
 WJPR ... 250  
 WLAK N 250  
 WLAV ... 250

a Houston, Texas  
 a Waterbury, Conn.  
 a Duluth, Minn.  
 a Pittsburgh, Pa.  
 a Jacksonville, Fla.  
 a Saranac Lake, N. Y.  
 a San Juan, Puerto Rico

a Portland, Ore.  
 a Los Angeles, Calif.  
 a Wichita, Kans.  
 a Brooklyn, N. Y.  
 a New York, N. Y.  
 a Greenville, S. C.  
 a Troy, N. Y.  
 q Sheboygan, Wis.  
 a Minneapolis, Minn.

a Grande Prairie, Alta.  
 a Charlottetown, P. E. I.  
 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  
 z Miles City, Mont.  
 a Shreveport, La.  
 a Rochester, Minn.  
 a Sherman, Texas  
 a Santa Rosa, Calif.  
 a Cedar City, Utah  
 a Grants Pass, Ore.  
 a Victoria, Texas  
 a Lafayette, La.  
 a Moorhead, Minn.  
 a Santa Fe, N. Mex.  
 a Hot Springs, Ark.  
 z Willmar, Minn.  
 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.  
 z Welch, W. Va.  
 a Joliet, Ill.  
 a Ashland, Ky.  
 a West Point, Ga.  
 a Marquette, Mich.  
 a Buffalo, N. Y.  
 a Milwaukee, Wis.  
 a Royal Oak, Mich.  
 a Altoona, Pa.  
 a Flint, Mich.  
 z Wisconsin Rapids, Wis.  
 a Sumter, S. C.  
 a Athens, Ga.  
 a Newport News, Va.  
 a Wilson, N. C.  
 a Philadelphia, Pa.  
 z Washington, D. C.  
 z Springfield, Ohio  
 a Herrin, Ill.  
 z Greenville, Miss.  
 z Lakeland, Fla.  
 a Grand Rapids, Mich.

B. F. Orr, Mgr.  
 ....  
 Chas. Persons, Ch. Eng.  
 Walter McCoy, Ch. Eng.  
 Carlyle Wright, Mgr.  
 Albert J. Kanze, Ch. Eng.  
 Juan Piza

Dick Rand, Prog. Dir.  
 E. Tyler, Log Dept.  
 Russell L. Lowe, Mgr.  
 ....  
 Frank Blair, Prog. Dir.  
 H. D. Harris, Ch. Eng.  
 Herbert Mayer, Ch. Eng.  
 ....

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 ....  
 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. Boneybrake, 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, Annc'r.  
 ....  
 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  
 Edward Bishop, Gen. Mgr.  
 Jack Hudson, Ch. Eng.  
 Julius Geise, Ch. Eng.  
 ....  
 ....  
 Powell Hunter, Ch. Eng.  
 John R. Pepper  
 ....

WLBC	...	250
WLBJ	...	250
WLNH	M	250
WMBO	...	250
WMFF	B	250
WNBH	MX	100(.25)
WRAW	N	250
WROL	NXZ	250
WSAJ	G3	100
WSAV	N	250
WSGN	BEM	250
WSJS	MN	250
WSOY	...	250
WSTV	GP3	250
WTAL	...	100(.25)
WTEL	4	100
WTJS	XZ	250
WTRC	...	250
XEAG	...	250
XEFW	...	300
XETB	...	500
XEX	...	500
....	P	250

a	Muncie, Ind.
a	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.
z	Steubenville, Ohio
a	Tallahassee, Fla.
a	Philadelphia, Pa.
a	Jackson, Tenn.
a	Elkhart, Ind.
z	Cordoba, Ver. C.
a	Tampico, Tam.
a	Torreon, Coah.
a	Monterrey, N. L.
z	Washington, D. C.

Donald A. Burton  
 ....  
 Kenneth Taylor, Ch. Eng.  
 Herbert House, Ch. Eng.  
 John Nazak, Ch. Eng.  
 I. Vermilya  
 M. Leonard Savage  
 L. Strunk  
 Herbert Harmon, Mgr.  
 ....  
 Phil Hedrick  
 ....  
 Richard Kingston, Prog. Dir.  
 ....  
 B. C. Rummell, Ch. Eng.  
 R. R. Baker, Mgr.  
 Diodoro Zuniga  
 ....  
 Aurelio G. Zaragoza  
 ....  
 ....

**1320 kcs. (227.1 m.)**

CMHQ	...	200
KGHF	B	500
KGM BCMZX		1000
KID	...	500(1)
KRNT	CX	1000(5)
WADC	C	5000
WORK	N	1000
WSMB	R	5000

z	Canta Clara, Cuba
a	Pueblo, Colo.
a	Honolulu, Hawaii
a	Idaho Falls, Idaho
a	Des Moines, Iowa
a	Tallmadge, 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.)**

CMJL	...	200
KGB	M	1 000
KMO	M	1000
KRIS	N	500
KSCJ	NX	1000(5)
WDRC	C	5000
WSAI	MX	1000(5)
WTAQ	CX	1000(5)
XEBO	...	1000

z	Nuevitas, Cuba
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.
a	Irapuato, Gto.

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

**1340 kcs. (223.7 m.)**

KDTH	P	1000
KFRO	...	1000
KGIR	EN	5000
KGNO	...	250(1)
WCOA	N	500(1)
WFEA	MN	500(1)
WFNC	D	250
WSPD	R	5000
WPAB	...	1000
XEAP	...	50
XEBJ	...	100
XEBS	...	200
XEBW	...	250
XEDH	...	200
XEFC	...	100
XELW	...	250

z	Dubuque, Iowa
a	Longview, Tex.
a	Butte, Mont.
b	Dodge City, Kans.
a	Pensacola, Fla.
a	Manchester, N. H.
a	Fayetteville, N. C.
a	Toledo, Ohio
a	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	Guadalaajara, Jal.

....  
 Harold C. Johnson, Mgr.  
 E. B. Crane, Mgr.  
 N. C. Peterson, Mgr.  
 ....  
 ....  
 Emilio Manzanilla  
 Fernando Elizalde  
 Maria Remedios Delgado  
 ....  
 Vincente Hernandez  
 Julio Molina Font  
 ....

**1350 kcs. (222.1 m.)**

CMC	...	200
CMCA	...	200
CMKB	...	200
KIPD	N	1000(2.5)
KTSM	N	500
KWK	BM	1000(5)
WAWZ	?	1000
WBNX	?	5000
WMBG	R	1000(5)
....	P	500

a	Havana, Cuba
a	Havana, Cuba
z	Puerto Padre, Cuba
a	Boise, Idaho
a	El Paso, Tex.
a	St. Louis, Mo.
a	Zarephath, N. J.
a	New York, N. Y.
a	Richmond, Va.
z	Brownwood, Tex.

J. M. Gonzalez, Dir.  
 ....  
 C. G. Phillips, Mgr.  
 Karl O. Wyler, Mgr.  
 Clarence Cosby, Mgr.  
 ....  
 Wifred H. Wood  
 Brown County Brdcstg. Co.

**1360 kcs. (220.4 m.)**

CMJH	...	200
------	-----	-----

d	Ciego de Avila, Cuba
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Luis Marauri H.

KCRC	EM	250
KGER	...	1000
KLPM	...	1000
KSLM	M	1000
WCSC	C	500 (1)
WFBL	CX	1000(5)
WGES	2	500(1)
WQBC	D	1000
WBSB	C2Z	500

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.

Wm. Butterfield, Annc'r.  
 Jay Tapp, Ch. Eng.  
 Richard Schmidt, Mgr.  
 Clyde Wiegand, Ch. Eng.  
 J. M. Weaver, Ch. Eng.  
 M. Wilcox

1370 kcs. (218.8 m.)



CFAR	...	100
CFOS	...	100
CJOC	F	100
CKCW	F	100
CKRN	...	250
CAGE	...	200
HIZ	...	75
KELD	...	250
KENO	P	250
KEVR	3	100
KFGO	D	250
KFPW	...	250
KFVS	...	250
KGFL	4	100
KGFL	...	100
KICA	...	100
KIUN	...	100
KIUP	...	250
KLUF	...	250
KMAC	5	250
KOBH	...	250
KOH	NXZ	500
KOKO	...	100
KONO	5	250
KORN	...	250
KKE	...	250
KRKO	3X	30
KRMC	...	250
KTEM	M	250
KTOK	EMN	250
KTSW	M	250
KTUC	CF	250
KUJ	XZ	100
KVFD	G	250
KVGB	...	250
KVRS	...	250
KWLK	...	250
KWYO	...	250
KYAN	P	250
WABY	BM	100 (.25)
WAGF	D	250
WARM	...	250
WATL	M	250
WATW	...	100
WBLK	N	250
WBNY	2	250
WBTH	...	250
WBTM	...	100 (.25)
WCBI	...	250
WCBM	...	250
WCNC	...	250
WCOS	...	250
WDAS	...	250
WDEF	P	250
WDWS	...	250
WFOA	C	250
WFOR	...	100
WFTL	...	250
WGBR	...	250
WGL	N	250
WGRC	M	250
WHBO	...	100
WHDF	...	250
WHKY	...	250
WHLB	C	250
WHLS	...	250
WHUB	...	250
WHYN	P	250

a	Flin Flon, Man.
z	Owen Sound, Ont.
a	Lethbridge, Alta.
a	Moncton, N. B.
z	Rouyn, P. Q.
a	Cardenas, Cuba
z	Trujillo, D. R.
z	El Dorado, Ark.
z	Las Vegas, Nev.
a	Seattle, Wash.
a	Boone Iowa
a	Fort Smith, Ark.
a	Cape Girardeau, Mo.
a	Roswell, N. Mex.
a	San Angelo, Texas
a	Clovis, N. Mex.
a	Pecos, Texas
a	Durango, Colo.
a	Galveston, Tex.
a	San Antonio, Tex.
a	Rapid City, S. Dak.
a	Reno, Nev.
a	La Junta, Colo.
a	San Antonio, Tex.
a	Fremont, Nebr.
a	Berkeley, Calif.
a	Everett, Wash.
a	Jamestown, N. Dak.
a	Temple, Texas
a	Oklahoma City, Okla.
a	Emporia, Kans.
a	Tucson, Ariz.
a	Walla Walla, Wash.
a	Fort Dodge, Iowa
a	Great Bend, Kans.
a	Rock Springs, Wyo.
a	Longview, Wash.
a	Sheridan, Wyo.
z	Cheyenne, Wyo.
a	Albany, N. Y.
a	Dothan, Ala.
a	Scranton, Pa.
a	Atlanta, Ga.
a	Ashland, Wis.
a	Clarksburg, W. Va.
a	Buffalo, N. Y.
z	Williamson, W. Va.
a	Danville, Va.
a	Columbus, Miss.
a	Baltimore, Md.
z	Elizabeth City, N. C.
a	Columbia S C
a	Philadelphia, Pa
z	Chattanooga, Tenn.
a	Champaign, Ill.
a	Evansville, Ind.
a	Hattiesburg, Miss.
a	Ft. Lauderdale, Fla.
a	Goldshoro N. C.
a	Fort Wayne, Ind.
a	New Albany, Ind.
a	Memphis, Tenn.
a	Calumet, Mich.
a	Hickory, N. C.
a	Virginia, Minn.
a	Port Huron, Mich.
a	Cookeville, Tenn.
z	Holyoke, Mass.

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 J. O. Tardif, Mgr.  
 Genero Sebater  
 Frank Hatton  
 F. E. Bolls  
 .....  
 Arthur Dailey, Mgr.  
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 E. Whitmore, Mgr.  
 Earle Yates, Mgr.  
 Chas. C. Alsup, Mgr.  
 Jack Hawkins, Mgr.  
 Ray Beckner, Mgr.  
 Lawrence Yates, Mgr.  
 Howard Davis, Mgr.  
 Robert Dean, Mgr.  
 Merle Snider  
 Leonard Wilson  
 ugene Roth, Mgr.  
 .....  
 Arthur Westlund, Mgr.  
 Lee Mudgett  
 Frank Gillespie Prog. Dept.  
 Burton Bishop, Mgr.  
 Joseph Lee, Mgr.  
 K. W. Trimble, Gen. Mgr  
 Frank Howe, Mgr.  
 H. E. Studebaker, Mgr.  
 .....  
 Ken Nielson, Mgr.  
 .....  
 H. W. Siebert, Mgr.  
 .....  
 Harold Smith, Mgr.  
 Julian Smith, Mgr.  
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 .....  
 Roy Albertson  
 .....  
 Birney Imes  
 .....  
 Lewis Hiland, Ch. Eng.  
 .....  
 Harold Davis, Prog. Dir.  
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 .....  
 Tom M. Bryan  
 .....  
 Jack Gardner, Ch. Eng.  
 .....  
 .....  
 Vernon Baumgartner  
 Angus Pfaff, Mgr.  
 M. L. Medley  
 Hampden-Hampshire Corp.



RADEX

WIBM	B	250
WISE	N	250
WJAC	R	250
WJHO	...	100 (.25)
WKPT	N	250
WLLH	Sx	10-100
WLLH	MS	250
WMAN	...	250
WMBR	C	250
WMFD	...	100 (.25)
WMGA	...	250
WMIN	...	250
WMSL	E	250
WOC	C	250
WORD	C	250
WPAY	X	100
WRAK	...	250
WRDO	MN	100
WRJN	...	250
WSAU	...	250
WSLB	...	250
WSVS	G2	50
WTCM	P	250
WTSP	...	250
XECZ	...	100
XEI	...	125
XELZ	...	100

a	Jackson, Mich.
z	Asheville, N. C.
a	Johnstown, Pa.
a	Opelika, Ala.
a	Kingsport, Tenn.
a	Lawrence, Mass.
a	Lowell, Mass.
a	Mansfield, Ohio
a	Jacksonville, Fla.
a	Wilmington, N. C.
z	Moultrie, Ga.
a	St. Paul, Minn.
a	Decatur, Ala.
a	Davenport, Iowa
a	Spartanburg, S. C.
a	Portsmouth, Ohio
a	Williamsport, Pa.
a	Augusta, Maine
a	Racine, Wis.
a	Wausau, Wis.
z	Ondersburg, N. Y.
z	Buffalo, N. Y.
z	Traverse City, Mich.
z	St. Petersburg, Fla.
z	San Luis Potosi, S. L. P.
a	Morelia, Micho.
z	Mexico City, D. F.

W. H. Dunn, Prog. Dir.  
 Harold H. Thomas  
 ....  
 Robert Donahue  
 ....  
 Robt. Wilds, Ch. Eng.  
 ....  
 H. B. Greene, Ch. Eng.  
 Richard Dunlea  
 Frank R. Pidcock  
 ....  
 Allen R. Richter  
 ....  
 Maurice L. Myers  
 ....  
 J. Mitchell  
 ....  
 ....  
 H. C. Bieda  
 ....  
 Zeferino Z. Jimenez  
 Carlos Gutierrez  
 Maria Gardena de Zetina

1380 kcs. (217.3 m.)

KERN	BE	1000
KQV	...	1000
WALA	CX	500(11)
WING	NX	250(.5)
WKBH	C	1000
WNBC	B	1000

a	Bakersfield, Calif.
a	Pittsburgh, Pa.
a	Mobile, Ala.
a	Dayton, Ohio
a	La Crosse, Wis.
a	New Britain, Conn.

Robert Stoddard, Mgr.  
 J. J. Laux, Mgr.  
 W. O. Pape, Mgr.  
 M. S. Gilkerson, Ass't. Eng.  
 ....  
 Rogers B. Holt, Ch. Eng.

1390 kcs. (215.7 m.)

CMJC	...	200
KABR	X	500(11)
KLRA	C	1000(5)
KRLC	Z	250
WFCI	P	1000
WHK	KBMX	1000(5)
WQDM	AD	1000
XEM	...	500

z	Camaguey, Cuba
a	Aberdeen, S. Dak.
a	Little Rock, Ark.
a	Lewiston, Idaho
z	Pawtucket, R. I.
a	Cleveland, Ohio
f	St. Albans, Vt.
z	Chihuahua, Chih.

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

1400 kcs. (214.2 m.)

CMAR	...	200
CMKR	...	200
KLO	BEM	5000
KTUL	C	5000
TGX	...	...
WARD	2	500
WBBC	2	500
WIRE	MR	5000
WLTH	2	500
WVFW	2	500
XEA	...	250
XEAJ	...	100
XEAU	A	250
XEDE	...	100
XFDS	...	250
XEPP	...	150

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	Indianapolis, Ind.
a	New York, N. Y.
a	Brooklyn, N. Y.
z	Campeche, Cam.
z	Navajoia, Son.
z	Tijuana, B. Cfa.
z	Torreon, Coah.
z	Mazatan, Sin.
z	Orizaba, Ver. Ca.

....  
 Jaime Nadal  
 Paul R. Heitmeyer  
 W. C. Gillespie  
 ....  
 Aron Kronenberg  
 Bert Child, Prog. Dir.  
 Earl Lewis, Ch. Eng.  
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1410 kcs. (212.5 m.)

CKFC	2	50
CKMO	2	100
CMBY	...	200
CMCO	...	200
KFJM	...	500(11)
KGNC	N	1000(.25)
KMED	N	1000
WAAB	EM	1000
WBCM	...	500(11)

a	Vancouver, B. C.
a	Vancouver, B. C.
a	Havana, Cuba
a	Havana, Cuba
a	Grand Forks, N. Dak.
a	Amarillo, Texas
b	Medford, Ore.
a	Boston, Mass.
a	Bay City, Mich.

....  
 Pedro Marti, Ch. Eng.  
 Andres Martinez  
 Dalton Le Masurier, Mgr.  
 O. L. Taylor, Mgr.  
 Mrs. W. J. Virgin  
 E. A. Donaher  
 ....

1420 kcs. (211.1 m.)



WHIS	...	500(1)
WROK	M	500(1)
WSFA	CE	500(1)
CBY	F	100
CHLN	...	100
CHNB	P	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	EM	250
KFAM	EN	250
KFBC	P	100(.25)
KFIZ	E	100
KFUN	P	250
KGFF	EM	250
KGIW	3	100
KGLU	EN	250
KIDW	3	100
KLBM	...	250
KMYC	...	100
KORE	M	250
KRBC	M	250
KRBM	EN	250
KRIC	...	250
KRLH	...	100
KSAN	...	250
KTRI	...	250
KVAK	...	100
KWAL	...	250
KWBG	X	100
KXL	4	250
WACO	CM	250
WAGM	...	100
WAQY	P	100
WAPO	NXZ	250
WAZL	M	250
WBML	P	250
WCB5	N	250
WCHV	...	250
WEED	...	250
WELL	BX	100
WFMJ	...	250
WFGP	...	100(.25)
WGNC	...	250
WGOV	...	250
WGPC	X	100
WHDL	...	250
WHFC	...	250
WHMA	...	250
WILM	...	250
WIMS	...	250
WKIP	...	250
WLAP	M	250
WLEU	B	250
WLPM	...	250
WMAS	C	250
WMBC	...	250
WMBH	...	250
WMB5	XZ	250
WMFJ	N	250
WM5D	X	250
WMAVA	P	100(.25)
WMWH	P	250
WNAB	P	250
WNOE	...	250
WPAD	...	250
WPAR	CX	100

a	Bluefield, W. Va.
a	Rockford, Ill.
a	Montgomery, Ala.
a	Toronto, Ont.
z	Three Rivers, P. O.
z	North Battleford, Sask.
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.
z	Cheyenne, Wyo.
a	Fond du Lac, Wis.
z	Las Vegas, Nev.
a	Shawnee, Okla.
a	Alamosa, Colo.
a	Safford, Ariz.
a	Lamar, Colo.
z	La Grande, Ore.
a	Marysville, Calif.
a	Eugene, Ore.
a	Abilene, Texas
a	Bozeman, Mont.
z	Beaumont, Texas
a	Midland, Texas
a	San Francisco, Calif.
r	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.
z	Macona, La.
a	Springfield, Ill.
a	Charlottesville, Va.
a	Rocky Mount, N. C.
a	Battle Creek, Mich.
a	Youngstown, Ohio
a	Atlantic City, N. J.
z	Gastonia, N. C.
a	Valdosta, Ga.
a	Albany, Ga.
a	Olean, N. Y.
a	Cicero, Ill.
a	Anniston, Ala.
a	Wilmington, Del.
a	Ironwood, Mich.
a	Poughkeepsie, N. Y.
a	Lexington, Ky.
a	Erie, Pa.
a	Suffolk, Va.
a	Springfield, Mass.
a	Detroit, Mich.
a	Joplin, Mo.
a	Uniontown, Pa.
a	Daytona Beach, Fla.
a	Muscle Shoals City, Ala.
z	Martinsville, Va.
z	Auqusta, Ga.
z	Bridgeport, Conn.
a	New Orleans, La.
a	Paducah, Ky.
a	Parkersburg, W. Va.

Edw. L. Ketts
....
....
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.
Las Vegas Brcdstg. Co., Inc.
Ross Porter, Mgr.
E. L. Allen
....
Sherrill Ellsworth, Mgr.
Paul E. Walden, Ch. Eng.
Leon Stauffer, Ch. Eng.
Frank Hill, Mgr.
Max Bentley, Mgr.
....
Thomas Belzel, Mgr.
S. H. Paterson, Mgr.
Dietrich Dirks, Mgr.
C. Howarth and C. Berger
W. B. Greenwald, Mgr.
T. W. Symons, Jr. Mgr.
James W. Pate, Mgr.
R. W. MacIntosh Mgr.
Howard N. Greenlee, Mgr.
R. G. Patterson, Mgr.
Edward Beisel, Prog. Dir.
R. L. Ashenfelter, Ch. Eng.
Wm. Avera Wynne
Gov. E. D. Rivers
F. C. Todd, Mgr.
....
....
Edwin Mullinax
....
....
Winston L. Clark, Mgr.
Jack Siegel
E. H. Clark, Ch. Eng.
Chas. McClane, Eng.
W. Wright Esch
....
W. Montgomery Harison
....
....
....

1430 kcs. (209.7 m.)



CJGX	F	1000
CMKZ	...	200

a	Yorkton, Sask.
z	Palma Sorlano, Cuba

A. L. Garside, Mgr.
Joaquin Venero Obregon

KGNF	D	1000
WPRP	XZ	250
WLSI	...	250
WSPB	...	250
WWDC	P	250
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

a	North Platts, Nebr.
a	Ponce, Puerto Rico
a	Jackson, Miss.
a	Sarasota, Fla.
z	Washington, D. C.
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.

J. B. Eaves, Eng.  
 Julio M. Conesa  
 G. G. Benson, Ch. Eng.  
 .....  
 Capital Brdcastg. Co.  
 C. B. Arnold, Mgr.  
 Edmund Linehan, Prog. Dir.  
 .....  
 R. S. Duncan, Ch. Eng.  
 .....  
 H. E. Smith

**1440 kcs. (208.2 m.)**



CKGB	F	1000
KDFN	X	500
KELA	M	1000
KXYZ	BM	1000
WBIG	C	1000(5)
WCBA	a	500
WMBD	C	1000(5)
WSAN	aN	500
XEFI	...	1000

a	Timmins, Ont.
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  
 .....  
 J. Elroy McCaw, Mgr.  
 T. Frank Smith, Mgr.  
 Edney Ridge  
 .....  
 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)
KGCC	...	1000
KIEM	M	500(1)
KTBS	NZ	1000
TGO	...	200
WAGA	B	500(1)
WGAR	C	1000(5)
WHOM	...	500(1)
WSAR	M	1000
XEDJ	...	100
XEF	...	100
XERK	...	100
XEY	...	250

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.
a	Atlanta, Ga.
a	Cleveland, Ohio
a	Jersey City, N. J.
f	Fall River, Mass.
z	Magdalena, Son.
a	Iuarez, Chih.
z	Tepec, Nay.
z	San Luis Rio Colonia,

.....  
 R. T. Holman  
 Jose R. Feminias  
 .....  
 Lee Roberts, Prog. Dir.  
 Milton J. Severson, Mgr.  
 Wm. B. Smullin Mgr.  
 John McCormack, Mgr.  
 .....  
 Jess Swicegood  
 R. M. Pierce, Ch. Eng.  
 N. J. Brdcastg. Corp.  
 .....  
 Gilberto Gil  
 .....  
 Son.

**1460 kcs. (205.4 m.)**



CMKF	...	250
KSTP	R	50000
WJSV	C	50000

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
HIBQ	1475	100
KGA	BM	5000
WLAC	...	5000
WMEX	...	5000

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

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

**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.  
 Haymond Ramsey  
 Elmer Herkner  
 .....

**1490 kcs. (201.2 m.)**



CMKQ	E	1000
KFBK	BE	10000
WCKY	C	50000
XECH	...	250
XEFR	...	100
XEJR	...	100

z	Santiago de Cuba
a	Sacramento, Calif.
a	Cincinnati, Ohio
z	Toluca, Mex.
z	Guaymas, Son.
z	Parral, Chih.

Mario Abril Dumois  
 Marjorie Jamison  
 C. H. Topmiller, Ch. Eng.  
 .....  
 Modeste Ortega  
 .....

**1500 kcs. (199.9 m.)**



CJIC	F	100
KAWM	...	100

a	Sault Ste. Marie, Ont.
a	Gallup, N. Mex.

J. C. Whitby  
 A. W. Mills

KBIX	EM	100
KBKR	...	250
KBST	M	100
KDAL	C	250
KDB	EM	250
KDRO	...	100(.25)
KGKY	...	250
KNEL	D	250
KNOW	M	250
KOTN	...	250
KOVC	...	250
KPAB	...	250
KPLC	...	250
KPLT	...	250
KPO	M	250
KRNR	M	100(.25)
KROD	...	250
KTOH	...	250
KUTA	N	250
KVOE	M	250
KVWC	...	250
KWEW	...	100
KXO	M	100
KYCA	E	250
KYSM	EN	250
WBOC	...	250
WCNW	Z	100(.25)
WDAN	...	250
WDNC	C	250
WERC	P	100(.25)
WGAL	MN	250
WGIL	...	250
WGKV	N	100
WGTC	...	250
WHRB	...	100
WJBK	...	250
WKAT	XZ	250
WKBB	N	250
WKBV	...	100(.25)
WKBZ	...	250
WKFLJ	D	100
WKNY	...	250
WMAIM	...	100(.25)
WMOG	...	100(.25)
WMRC	...	250
WMRN	P	250
WNBF	C	250
WNLC	M	250
WOLF	...	250
WOMI	...	250
WOPJ	...	250
WRDW	C	250
WRGA	...	250
WSLS	...	250
WSTP	M	250
WSYB	M	250
WTMC	...	100
WTVAV	...	250
WWRL	G2	250
WWSW	...	250
XEQK	...	400
.....	P	250
.....	P	250

a	Muskogee, Okla.
a	Baker, Ore.
a	Big Spring, Texas
a	Duluth, Minn.
a	Santa Barbara, Calif.
z	Sedalia, Mo.
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.
a	El Paso, Texas
a	Lihue, Hawaii
a	Salt Lake City, Utah
a	Santa Ana, Calif.
z	Vernon, Texas
a	Hobbs, N. Mex.
a	El Centro, Calif.
	Prescott, Ariz.
a	Mankato, Minn.
a	Salisbury, Md.
a	Brooklyn, N. Y.
a	Danville, Ill.
a	Durham, N. C.
z	Erie, Pa.
a	Lancaster, Pa.
a	Galesburg, Ill.
z	Charleston, W. Va.
a	Greenville, N. C.
a	Selma, Ala.
a	Detroit, Mich.
a	Miami Beach, Fla.
a	Dubuque, Iowa
a	Richmond, Ind.
a	Muskegon, Mich.
a	Griffin, Ga.
a	Kingston, N. Y.
a	Cordele, Ga.
a	Brunswick, Ga.
a	Greenville, S. C.
z	Marion, Ohio
a	Binghamton, N. Y.
a	New London, Conn.
a	Syracuse, N. Y.
a	Owensboro, Ky.
a	Bristol, Tenn.
a	Augusta, Ga.
a	Rome, Ga.
a	Roanoke, Va.
a	Salisbury, N. C.
a	Rutland, Vt.
z	Ocala, Fla.
a	E. St. Louis, Ill.
a	Woodside, N. Y.
a	Pittsburgh, Pa.
z	Mexico City, D. F.
z	Batavia, N. Y.
z	Corpus Christi, Tex.

J. H. Speck, Mgr.
Louis P. Thornton
Mary V. Keneaster, Prog. Dir.
Gilbert Fawcett, Prog. Dir.
Earl Pollock, Mgr.
.....
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
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. Kimberly Ch. Eng.
Peninsula Brcdstg. Co.
Arthur Faske
Perry W. Esten, Ch. Eng.
.....
Ernest Stanbiola
Paul Kalbfleisch
.....
Winifred Powers
Arthur P. Smith, Ch. Eng.
L. Carlson
.....
John R. McKenna
Cordele Dispatch Pub. Co.
.....
Textile Brcdstg. Co.
.....
Gerald J. Morey
.....
James R. Yost, Ch. Eng.
.....
F. S. Liggett, Ch. Eng.
.....
Batavia Brcdstg. Corp.
Nueces Brcdstg. Corp.

1510 kcs. (198.6 m.)



CFRC	F	100
CKCF	...	100
CMCW	...	200
CMOX	...	200

a	Kingston, Ont.
a	Waterloo, Ont.
d	Havana, Cuba
a	Havana, Cuba

H. H. Stewart, Ch. Eng
G. Liddle
A. Puente, Dir.

1520 kcs. (197.3 m.)



TGW	...	5000
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e	Guatemala City, Guat.
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L. Schlesinger Carrera, Dir.
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# 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.*

<b>ALABAMA</b>		<b>El Dorado</b>	<b>San Bernardino</b>	<b>New London</b>	<b>Atlanta</b>
		KELD 1370	KFXM 1210	WNLC 1500	WAGA 1450
		Fort Smith	<b>San Diego</b>	Waterbury	WATL 1370
Anniston	1420	KFPW 1370	KPFD 600	WATR 1290	WMBI 1080
WHMA		Hot Springs	KGB 1330	WBBY 1530	WGST 890
Birmingham		KTHS 1080	<b>San Francisco</b>		WSB 740
WAPI 1140		KWFC 1310	KFRG 610	<b>DELAWARE</b>	
WBRC 930		Jonesboro	KGO 790	Wilmington	
WSGN 1310		KBTM 1200	KJBS 1070	WDEL 1120	WRDW 1500
Decatur		Little Rock	KPO 680	WILM 1420	
WMSL 1370		KARK 990	KSAN 1420	<b>DISTRICT OF COLUMBIA</b>	
Dothan		KGHI 1200	KSFO 660	Washington	
WAGF 1370		KLRA 1390	KYA 1230	WINX 1310	WJMX 1500
Gadsden		<b>Pine Bluff</b>	<b>San Jose</b>	WISV 1460	WRBL 1200
WBY 1210		KOTN 1500	KQW 1010	WMAL 630	WVLT 1200
Huntsville		Siloam Springs	<b>San Luis Obispo</b>	WOL 1230	WGGA 1210
WBFP 1200		KUOA 1200	KVEC 1200	WRC 950	WKEU 1500
Mobile			<b>Santa Ana</b>	WVDC 1420	WBML 1420
WALA 1380			KVOE 1500	<b>FLORIDA</b>	
WMOB 1200			<b>Santa Barbara</b>	Daytona Beach	WMJZ 1180
Montgomery			KBD 1500	WMEJ 1420	Moutrie
WCOV 1210		<b>CAIFORNIA</b>	KTMS 1220	FL. Lauderdale	WMGA 1370
WSFA 1410		Bakerfield	<b>Santa Rosa</b>	WFTL 1370	Rome
Opelika		KERN 1380	KSRO 1310	FL. Myers	WRGA 1500
WJHO 1370		KPMC 1550	<b>Stockton</b>	WFTM 1210	Savannah
WSelma		Berkeley	KGDM 1100	Galnesville	WSAV 1310
WHBB 1500		KRE 1370	KWG 1200	WRFB 830	WTOC 1260
Muscle Shoals		Beverly Hills	Visalia	Jacksonville	Thomasville
City		KMPC 710	TKC 890	WIAK 900	WPAX 1210
WMSD 1420		Chicago	Watsonville	WJHP 1290	valdosta
Tuscaloosa		KHSL 1260	KHUB 1310	WMBR 1370	Waycross
WJRD 1200		<b>El Centro</b>	<b>COLORADO</b>		West Point
		KXO 1300	Alamosa	WLAJ 1310	WDAK 1310
		Eureka	KGIV 1420	Lakeland	
<b>ALASKA</b>		KIEM 1450	Colorado Springs	WLA 610	
		Fresno	KVOR 1270	Miami	
Anchorage		KARM 1310	Denver	WOD 610	
KFQD 780		KMJ 880	KFEL 920	WQAM 560	
Fairbanks		Glendale	KLZ 560	Miami Beach	
KFAR 610		KIEV 850	KMYR 1310	WKAT 1500	
Juneau		Long Beach	KOA 820	Ocala	
KINY 1430		KFOX 1250	KPOF 880	WTMC 1500	
Ketchikan		KGER 1360	KVOD 630	Orlando	
KGBU 900		Los Angeles	Durango	WDBO 580	
		KECA 780	KIUP 1370	WLOF 1200	
		KFAC 1500	Grand Junction	Panama City	
		KFI 640	KXPJ 1200	WDLF 1200	
<b>ARIZONA</b>		KFSQ 1120	Greeley	Pensacola	
		KFVD 1000	KFKA 880	WCOA 1340	
Globe		KFWB 50	La Junta	St. Augustine	
KWJB 1210		KGFJ 1200	KOKO 1370	WFOY 1210	
Jerome		KHJ 900	Lamar	St. Petersburg	
KCRJ 1310		KMTR 870	KIDW 1420	WSUN 620	
Lowell		KNX 1050	Pueblo	WTSP 1370	
KSUN 1200		KRKD 1120	KGHF 1320	Sarasoto	
Phoenix		<b>Marysville</b>	Sterling	WSPB 1420	
KOY 550		KMYC 1420	KGEK 1200	Tallahassee	
KPHO 1200		Merced	<b>CONNECTICUT</b>		
KTAR 620		KYOS 1040	Bridgeport	WTAL 1310	
Prescott		Modeste	WICC 600	Tampa	
KYCA 1500		KTRB 740	WNAB 1420	WDAE 1220	
Safford		Monterey	Hartford	WFLA 620	
EGLU 1420		KDON 1210	WDRG 1330	WFGA 940	
Tucson		Oakland	WTHC 1040	West Palm Beach	
KTUC 1370		KLS 1280	WTHT 1200	WJNO 1200	
KVOA 1260		KLX 880	<b>GEORGIA</b>		
Yuma		KROW 930	Albany	WALB 1230	
KYUM 1210		Pasadena	WGPC 1420	Athens	
		KPPC 1210	WNBG 1380	WGAU 1310	
<b>ARKANSAS</b>		Redding	New Britain		
		KVCV 1200	WNBC 1380		
Blytheville		Sacramento	New Haven		
KLCN 1290		KFBK 1490	WELI 930		
		KROY 1210			

## NORTH AMERICAN B. C. STATIONS BY LOCATIONS

Chicago	WSBT 1360	KENTUCKY	MASSACHU- SETTS	Port Huron 1370
WAAF 920	Terre Haute	Ashland	Boston	WHLS 1370
WBFB 770	WBOV 1200	WCMJ 1310	WAAB 1410	Royal Oak
WCBD 1080	Vincennes	Bowling Green	WBZ 990	WEXL 1310
WCFL 970	WAOY 1429	WBLJ 1310	WCOP 1120	Saginaw
WCRW 1210	West Lafayette	Hopkinsville	WEKI 590	WHAL 950
WEDC 1210	WBAA 890	WHOP 1200	WHDH 830	WSAM 1200
WENR 870		Lexington	WMEX 1470	Saut Ste.
WGFS 1360	IOWA	WLAP 1420	WNAC 1230	Marie
WGN 730	Ames	Louisville	WORL 920	WSOO 1200
WJJD 1130	Ames 640	WAVE 940	Fall River	Traverse City
WLS 870	WOI 640	WHAS 820	WSAB 1450	WTCM 1370
WMAQ 670	Boone	WINN 1210	Greenfield	MINNESOTA
WMBI 1080	KFGQ 1370	Owensboro	WHAJ 1210	Albert Lea
WBCB 1210	Cedar Rapids	WOMI 1500	Holyoke	KATE 1420
Cicero	WMT 600	Padueah	WVIX 1370	Duluth
WHFC 1420	Davenport	WPAD 1420	WVNN 1210	KDAL 1500
Danville	WOC 1370	LOUISIANA	Lawrence	WEBC 1290
WDAN 1500	Decorah	Alexandria	WLAW 680	Fergus Falls
Decatur	KCCA 1270	Baton Rouge	WLLH 1370	KGDE 1200
WSOY 1310	KWLC 1270	WJBO 1120	Lowell	Hibbing
East St. Louis	Des Moines	Lafayette	WLLH 1370	WMFG 1210
WTMV 1500	KJNT 1320	Lake Charles	WNLH 1310	KYSM 1500
Galesburg	KSO 1430	KPLC 1500	Pittsfield	Minneapolis
WGIL 1500	KWLF 1000	Monroe	WBKX 1310	WCCO 810
Harrisburg	Dubuque	New Orleans	WBSX 1200	WDGY 1180
WEIQ 1210	KDTH 1340	WDSU 1250	Springfield	WLB 760
Herrin	WKBB 1500	WJBW 1200	WVMA 1420	WLOL 1300
WJFF 1310	Fort Dodge	WNOE 1420	WSPR 1140	WTCN 1250
Joliet	KVFD 1370	WSMB 1320	Worcester	Moorhead
WCLS 1310	Iowa City	WVWL 850	WTRC 1280	KVOX 1310
Peoria	WSU 880	Shreveport	WTAG 580	Northfield 760
WMBD 1440	Marshalltown	KRMD 1210	MICHIGAN	Rochester
WMBQ 1440	KFJB 1200	RTBS 1450	Battle Creek	KROC 1310
WTAD 900	Mason City	KWKH 1100	WELL 1420	St. Cloud
WRCK 1410	KGLO 1210	MAINE	Bay City	KFAM 1420
Rock Island	Shenandoah	Augusta	WBCM 1410	St. Paul 1460
WHBF 1240	KFNF 890	WBDO 1370	Calumet	WMIN 1370
Springfield	KMA 939	Bangor	WBDF 1370	Virgilia
WCBS 1420	Sioux City	WABI 1200	Detroit	WHLB 1370
WTAX 1210	KSCJ 1330	WBZ 620	WJBK 1500	Wlimar
Tuscola	KTRI 1420	WLBZ 620	WJR 750	KWLM 1310
WDZ 1020	KANSAS	WCOU 1210	WMBC 1420	WInona
Urbana	Atchison	Portland	WWJ 920	KWNO 1200
WILL 580	KVAK 1420	WCSH 940	WXYZ 1240	MISSISSIPPI
INDIANA	Coffeyville	WGAN 560	East Lansing	Columbus 1370
Anderson	KGFF 1010	Presque Isle	Wkar 850	WCBT 1370
WBHU 1210	Dodge City	WAGM 1420	Flint	Greenville 1310
Elkhart	KGNO 1340	MARYLAND	WFDD 1310	Greenwood
WTRC 1310	Emporia	Baltimore	Grand Rapids	WGRM 3210
Evansville	KTSV 1370	WBAL 700	WASH 1270	Gulfport
WEOA 1370	Garden City	WBAL 1060	WGRB 1200	Hattiesburg
WGBF 880	KIUL 1210	WCAO 600	WLAW 1310	WFOI 1370
Fort Wayne	Great Bond	WCBM 1370	WOOD 1270	Jackson
WGL 1370	KVGB 1370	WFBZ 1270	Ironwood	WJDX 1270
WOWO 1160	Hutchinson	WFBZ 1270	WJBS 1420	WLSI 1420
Gary	KWBG 1420	Cumberland	WJCK 1370	Laurel
WIND 560	Kansas City	WTBO 800	Kalamazoo	WAML 1310
Hammond	KCKN 1310	Frederick	WKZO 590	McComb
WHIP 1480	Lawrence	WFMJ 900	Lansing	WSKB 1200
WJOB 1200	KCKU 1220	Hagerstown	WJLM 1210	Meridian
Indianapolis	WREN 1220	WJBJ 1210	Lapeer	WCOO 880
WFBA 1230	Manhattan	Salisbury	WMPQ 1200	Vicksburg
WIBC 1050	KSAC 580	WBOC 1500	Marquette	WQBC 1360
WIRE 1400	Pittsburg	MISSOURI	WDMJ 1310	Cape Girardeau
Muncie	KOAM 790	Cape Girardeau	Muskegon	KFVS 1370
WLBC 1310	Salina	Clayton	WKBZ 1500	Clayton 830
New Albany	KSAL 1120	KFYD 1050	WJMK 1200	
WGRC 1370	Topoka	KFH 1300	WJMU 1200	
Richmond	WIBW 580		WJTB 1200	
WKBV 1500	Wichita		WJTB 1200	
South Bend	KANS 1210		WJTB 1200	
WFAM 1200	KFBI 1050		WJTB 1200	
	KFH 1300		WJTB 1200	

NORTH AMERICAN B. C. STATIONS BY LOCATIONS

Columbia	
KFRU	630
Jefferson City	
KWOS	1310
Joplin	
WMBH	1420
Kansas City	
KCMO	1450
KITE	1530
KMBC	950
WDAF	610
WBR	800
Poplar Bluff	
KWOC	1310
St. Joseph	
KPEQ	680
St. Louis	
KMOX	1090
KSD	550
KWK	1350
KXOK	1250
WEW	760
WIL	1200
Sedalia	
KDRO	1500
Springfield	
KG BX	1230
KWTO	560
MONTANA	
Billings	
KQHL	780
Bozeman	
KRRM	1420
Butte	
KGIR	1340
Great Falls	
KFRB	1280
Helena	
KPFA	1210
KallsPELL	
KGEZ	1310
Miles City	
KRTP	1310
Missoula	
KGVO	1260
Wolf Point	
KGCX	1450
NEBRASKA	
Fremont	
KORN	1370
Grand Island	
KMMI	740
Hastings	
KIAS	1200
Kearney	
KGFW	1210
Lincoln	
KFAB	770
KFOR	1210
Norfolk	
WJAG	1080
North Platte	
KGNF	1430
Omaha	
KOHL	1200
KOWH	660
WOW	590
Scottsbluff	
KGKY	1600
NEVADA	
Las Vegas	
KENO	1370
KFUN	1420
Reno	
EGH	630

New HAMPSHIRE	
Laconia	
WLNH	1310
Manchester	
WFEA	1340
WMTB	610
Portsmouth	
WHER	740
NEW JERSEY	
Ashbury Park	
WCAP	1280
Atlantic City	
WTAB	1290
WPPG	1420
Bridgeton	
WSNJ	1210
Camden	
WCAM	1280
Jersey City	
WAAT	940
WHOM	1450
Newark	
WHBI	1250
WOR	710
Paterson	
WPAT	900
Red Bank	
WBRB	1210
Trenton	
WTNJ	1230
Zarephath	
WAWZ	1350
NEW MEXICO	
Albuquerque	
KGGM	1230
KOB	1180
Carlsbad	
KLAT	1210
Clovis	
KICA	1370
Gallup	
KAWM	1500
Hobbs	
KWEW	1500
Roswell	
KQFL	1270
Santa Fe	
KVSP	1310
NEW YORK	
Albany	
WABY	1370
WOKO	1430
Auburn	
WMBO	1210
Binghamton	
WNBB	1500
Brooklyn	
WARD	1400
WBBC	1400
WBBR	1300
WCNV	1500
WVTV	1400
Buffalo	
WBNB	900
WBNY	1370
WEBR	1310
WGR	850
WKBY	1480
WWSY	1370
Canton	
WCAD	1220
Elmira	
WENY	1200
Freeport	
WGBB	1210

Ithaca	
WHIC	850
Jamestown	
WJTN	1210
Kingston	
WNY	1500
Newburgh	
WGNV	1220
New York	
WABC	800
WBNK	1350
WEAF	660
WEVD	1300
WIN	1010
WINS	1180
WJZ	760
WTNH	1400
WVCA	570
WNEV	1250
WNYC	810
WOV	1100
WQXR	1550
Niagara Falls	
WHLD	1260
Ondesburg	
WSLR	1370
Olean	
WIDL	1420
Plattsburg	
WMPF	1310
Poughkeepsie	
WKIP	1420
Rochester	
WTAM	1150
WHFC	1430
WSAY	1210
Salina	
WAGB	620
Saranac Lake	
WNBZ	1290
Schenectady	
WGY	790
Syracuse	
WFBL	1360
WOLF	1500
WSYR	570
Troy	
WHAZ	1300
WTRY	950
Utica	
WIBX	1200
Watertown	
WATN	1210
WVNY	1270
White Plains	
WFAS	1210
Woodside	
WWRL	1500
NORTH CAROLINA	
Asheville	
WISF	1370
WWNC	870
Charlotte	
WBT	1020
WSOC	1210
Durham	
WDNC	1500
Elizabeth City	
WCNC	1370
Fayetteville	
WFNC	1340
Gastonia	
WGNC	1420
Goldsboro	
WGBR	1370
Greensboro	
WHIG	1440

Greenville	
WGTC	1500
Hickory	
WHKY	1370
High Point	
WMRP	1200
Kinston	
WFTC	1200
Raleigh	
WTFE	680
WRAL	1210
Roanoke Rapids	
WCRT	1200
Rocky Mount	
WEED	1420
Salisbury	
WSPF	1500
Wilmington	
WMFD	1370
Wilson	
WGTM	1310
Winston-Salem	
WATR	1250
WSJS	1310
NORTH DAKOTA	
Bismarck	
KFYR	550
Devils Lake	
KDLR	1210
Fargo	
WDAY	940
Grand Forks	
KFJM	1410
Jamestown	
KRMC	1370
Mandan	
KGCU	1240
Minot	
KLPM	1360
Valley City	
KOVC	1500
OHIO	
Akron	
WAKR	1530
WJW	1210
Ashtahula	
WICA	940
Canton	
WHBC	1200
Cincinnati	
WCKY	1490
WCPO	1200
WKRC	550
WLW	700
WSAI	1380
WVXO	700
Cleveland	
WCLE	610
WGAR	1450
WTK	1390
WTAM	1070
Columbus	
WHNS	1430
WCOL	1200
WHYC	640
WOSE	570
Dayton	
WHIO	1260
WING	1380
Lima	
WLOK	1210

Mahsfield	
WMAN	1370
Marion	
WMBN	1500
Portsmouth	
WPAY	1370
Springfield	
WIZE	1310
Staubenville	
WSTV	1310
Tallmadge	
WATM	1320
Toledo	
WSPD	1340
WTOI	1200
Youngstown	
WFMJ	1420
WKRN	870
Zanesville	
WHIZ	1210
OKLAHOMA	
Ada	
KADA	1200
Ardenmore	
KVSO	1210
Elk City	
KASA	1210
Enid	
KCRC	1360
Muskogee	
KBIX	1500
Norman	
WNAD	1010
Oklahoma City	
KOCY	1310
KOMA	1490
KTKO	1370
WTV	900
Okmulgee	
KHIG	1210
Ponca City	
WBIZ	1200
Shawnee	
KGFF	1420
Tulsa	
KOME	1210
KTUL	1400
KVOO	1140
OREGON	
Astoria	
KAST	1200
Baker	
KBKJ	1500
Bond	
KBNB	1310
Corvallis	
KOAC	580
Eugene	
KORE	1420
Grants Pass	
KIHN	1310
Klamath Falls	
KFJI	1210
La Grande	
KLRM	1420
Marshfield	
KOOS	1200
Medford	
KMED	1410
Portland	
KALE	1200
KBPS	1420
KEX	1160
KGW	620

NORTH AMERICAN B. C. STATIONS BY LOCATIONS

KOIN	940
KWJJ	1040
KXL	1420
Roseburg	
KRRR	1500
Salem	
KSLM	1300
The Dalles	
KODL	1200

Pennsylvania

Allentown	
WCRA	1440
WSAN	1440
Altoona	
WFRG	1310
Du Bois	
WCED	1200
Easton	
WPST	1200
Erie	
WERC	1500
WLEU	1420
Glenade	
WIBG	970
Greenburg	
WILB	620
Grove City	
WSAJ	1310
Harrisburg	
WHP	1430
WKRO	1200
Hazleton	
WAZL	1420
Johnstown	
WJAC	1370
Lancaster	
WGAL	1500
New Castle	
WKST	1250
New Kensington	
WKPA	1120
Philadelphia	
KYW	1020
WCAU	1170
WDAS	1370
WFIL	560
WHAT	1310
WIP	610
WPN	920
WTEL	1310
Pittsburgh	
KDKA	980
KQV	1380
WCAE	1290
WJAS	1290
WWSW	1500
Reading	
WEEU	830
WRAW	1310
Seranton	
WARM	1370
WGBI	880
WQAN	880
Sharon	
WPIC	780
Sunbury	
WKOK	1210
Uniontown	
WBMS	1420
Wilkes-Barre	
WBAX	1210
WBRE	1310
Williamsport	
WRAC	1370
York	
WORK	1320

PUERTO RICO

Mayaguez	
WPRA	780
Ponce	
WPAB	1340
WPRP	1420
San Juan	
WKAQ	1240
WNEL	1290

RHODE ISLAND

Pawtucket	
WPRI	1390
Providence	
WEAN	780
WJAR	890
WPRO	630

SOUTH CAROLINA

Anderson	
WAMJ	1200
Charleston	
WCSC	1360
WTMA	1210
Columbia	
WCOS	1270
WIS	500
Florence	
WOLS	1200
Greenville	
WFBC	1300
WMRC	1500
Spartanburg	
WOFD	1370
WSPA	920
Sumter	
WFIG	1310

SOUTH DAKOTA

Aberdeen	
KABR	1300
Brookings	
KFDY	780
Pierre	
KGFX	630
Rapid City	
KOBH	1370
WCAT	1200
Sioux Falls	
KELO	1200
KSOO	1110
Vermillion	
KUSD	890
Watertown	
KWAT	1210
Yankton	
WNAX	570

TENNESSEE

Bristol	
WOPI	1500
Chattanooga	
WAPO	1420
WDEF	1370
WDOF	1280
Cookeville	
WHUB	1370
Jackson	
WTSJ	1310
Johnson City	
WJHL	1200

Kingsport

WKPT	1370
Knoxville	
WBR	1210
WNOX	1010
WROL	1210
Memphis	
WHBQ	1370
WMC	780
WMPJ	1430
WREC	600
Nashville	
WLAC	1470
WSIV	1210
WSM	650

TEXAS

Arlene	
KRBC	1420
Amarillo	
KRTA	1200
KGNC	1410
Austin	
KNOV	1500
Beaumont	
KPDM	560
KRTS	1420
Big Spring	
KBST	1500
Brady	
KNEL	1500
College Station	
WTAW	1120
Corpus Christi	
KRTS	1320
Dallas	
KRLD	1040
WFAA	800
WBR	1280
Denton	
KDNT	1420
Dublin	
KFPL	1310
El Paso	
KROD	1500
KTSM	1350
Fort Worth	
KFJZ	1240
KGKO	870
WHAP	800
Galveston	
KLUP	1370
Houston	
KPRC	920
KTRH	1290
KXYZ	1440
Kilgore	
KOCA	1210
Laredo	
KPAB	1500
Longview	
KPIR	1340
Lubbock	
KFYD	1310
Midland	
KRLH	1420
Pampa	
KPDN	1310
Paris	
KPLT	1500
Pecos	
KIUN	1370
Port Arthur	
KPAC	1220
San Angelo	
KGKL	1370

San Antonio

KABC	1420
KMAC	1370
KONO	1370
KTSA	550
WOAI	1190
Sherman	
KRRV	880
Sweetwater	
KXOX	1210
Temple	
KTEM	1370
Texarkana	
KCMC	1420
Vernon	
KVWC	1500
Victoria	
KVIC	1310
Waco	
WACO	1420
Westaco	
KRGV	1260
Wichita Falls	
KWFT	620

UTAH

Cedar City	
KSUB	1310
Logan	
KVNU	1200
Ogden	
KLO	1400
Price	
KEUB	1420
Provo	
KOVO	1210
Salt Lake City	
KDYL	1290
KSL	1130
KUTA	1500

VERMONT

Burlington	
WCAX	1200
Rutland	
WSTB	1500
St. Albans	
WQDM	1390
Springfield	
WNHX	1260
Waterbury	
WDEV	550

VIRGINIA

Charlottesville	
WCHV	1420
Danville	
WHTM	1370
Fredericksburg	
WFVA	1260
Harrisonburg	
WSVA	550
Lynchburg	
WLVA	1200
Martinsville	
WMVA	1420
Newport News	
WGH	1310
Norfolk	
WTAR	780
Petersburg	
WPID	1210
Richmond	
WBBL	1210
WMBG	1350

WRNL	880
WVVA	1110
Roanoke	
WDRJ	920
WSLS	1500
Suffolk	
WLPM	1420

WASHINGTON

Aberdeen	
KXRO	1310
Bellingham	
KVOS	1200
Centralia	
KELA	1440
Everett	
KRKO	1370
Longview	
KWLK	1370
Olympia	
KGY	1210
Pullman	
KWSC	1220
Seattle	
KEVR	1370
KIRO	710
KJR	970
KOL	1270
KOMO	920
KRSC	1120
KTW	1220
KXA	760
Spokane	
KPIO	1120
KPFY	890
KGA	1470
KHQ	596
Tacoma	
KMO	1330
KVI	570
Vancouver	
KVAN	880
Walla Walla	
KUJ	1370
Wenatchee	
KPQ	1500
Yakima	
KIT	1250

WEST VIRGINIA

Beckley	
WJLS	1210
Bluefield	
WHIS	1410
Charleston	
WCHS	580
WGKY	1500
Clarksburg	
WBLK	1370
Fairmont	
WMMN	890
Huntington	
WSAZ	1190
Logan	
WLOG	1200
Morgantown	
WAJR	1200
Parkersburg	
WPAR	1420
Welch	
WBRW	1310
Wheeling	
WVVA	1160



**NORTH AMERICAN B. C. STATIONS BY LOCATIONS**

<b>Williamson</b> WBTH 1370	<b>BRITISH COLUMBIA</b>	<b>North Bay</b>	<b>North Battleford</b>	<b>CMBH</b> 1800
<b>WISCONSIN</b>	Chilliwack	CFBH 930	CHNB 1420	CMBL 720
Appleton	CHWK 730	Ottawa	Princo Albert	CMBQ 1150
WBXY 1200	Kamloops	CKO 8830	CBRI 1210	CMBS 1250
Ashland	CFIC 830	CKCO 1010	Regina	CMBR 1180
WATW 1370	Kelowna	Owen Sound	CJRM 950	CMBY 1410
Eau Claire	CKOV 620	CFOS 1370	CKCK 1010	CMCZ 1010
WEAU 1050	Nelson	Prescott	Saskatoon	CMC 1350
Fond du Lao	CKLN 1420	CFLC 930	CKQC 600	CMCB 1200
KFIZ 1420	Princo Rupert	St. Catharines	Watrous	CMCD 690
Green Bay	CFPR 580	CKTB 1200	CBK 540	CMCF 810
WTAQ 1330	Trail	Sault Ste. Marie	Yorkton	CMCG 1080
Janesville	CJAT 910	CJJC 1500	CJGX 1430	CMCH 1050
WCLO 1200	Vancouver	Stratford	<b>COSTA RICA</b>	CMCI 1530
LaCrosse	CBR 1160	CJCS 1210	Alajuela	CMCK 970
WKBH 1380	CJOR 660	Sudbury	T5CV 575	CMCM 850
Madison	CKMO 1420	CKSO 780	San Jose	CMCO 1910
WHA 940	CKVX 950	Timmins	TIAFB 900	CMCQ 1410
WIBA 1280	Victoria	CKGB 1440	TIAMC 860	CMCJ 1110
Manitowoc	CFCT 1450	Toronto	TIEP 830	CMCR 1550
WOMT 1210	<b>MANITOBA</b>	CBL 840	TIEW 1000	CMCV 1510
Marquette	Brandon	CBY 1420	TIGH 690	CMCY 590
WMAW 570	CFIN 1120	CFRB 690	TIGH2 600	CMK 750
Milwaukee	CFAR 1270	CKCL 580	TIHO 1030	CMKA 1210
WEMP 1310	Winnipeg	Waterloo	TILI 775	CMKB 1330
WISN 1120	CKY 910	CKCR 1510	TILS 880	CMO 600
WTMJ 620	<b>NEW BRUNSWICK</b>	Windsor	TINBC 1070	CMW 550
Poyette	Campbellton	CKLW 1030	TING 750	CMX 890
WIBU 1210	CKNB 1210	Wingham	TIOS 940	CMZ 920
Racine	Fredericton	CKNX 1200	TIPG 625	Holguin
WBJN 1370	CFNB 550	<b>PRINCE EDWARD ISLAND</b>	TIRCC 1200	CMK F 1400
Rice Lake	Moncton	Charlottetown	TIRS 920	CMKO 1280
WJMC 1210	CKCW 1274	CFCY 630	TIXD 800	CMKV 570
Sheboygan	Sackville	CHCK 1310	<b>CUBA</b>	Jovellanos
WHDL 1300	CBA 1054	Summerside	Banes	CMGN 760
Stevens Point	St. John	CHGS 1450	Bayamo	Manzanilla
WLBL 900	CHSJ 1120	<b>QUEBEC</b>	CMKL 950	CMKE 1310
Superior	<b>NOVA SCOTIA</b>	Chicoutimi	Calhrien	CMKM 1080
WDSM 1200	Glace Bay	CBT 1120	CMHD 1270	Matanzas
Wausau	VAS 685	Hull	Camaguey	CMGF 1120
WSAU 1370	Halifax	CKCH 1210	CMJA 860	CMGH 1190
Wisconsin Rapids	CHNS 230	Montreal	CMJC 1390	Moron
WFHR 1310	CHIC 1290	CFB 910	CMJE 1230	CMIP 1430
<b>WYOMING</b>	Sydney	CBM 960	CMJF 930	Nuevitas
Casper	CJCB 1246	CFCF 600	CMJK 1020	CMJL 1320
KDFN 1440	Yarmouth	CHLP 1120	CMJL 1360	Palma Soriano
Cheyenne	CJLS 1310	CKAC 730	CMJM 870	CMKZ 1430
KFRC 1420	<b>ONTARIO</b>	New Carlisle	CMJO 1260	Pinar del Rio
KYAN 1370	Brantford	CHNC 610	CMJE 1370	CMAB 1240
Rock Springs	CKPC 930	Quebec	CMJH 1130	CMAC 1050
KVBS 1370	Chatham	CHBC 530	CMJI 1360	CMAN 760
Sheridan	CKCO 630	CKCV 1310	CMJJ 1130	CMAR 1400
KWYO 1370	Cobalt	Rimouski	CMJM 870	Placetas
<b>BAHAMAS</b>	CKMC 1210	Rouyn	CMJO 1260	CMHP 1100
Nassau	Fort William	St. Anne de la Pocatiere	CMJQ 1160	Fuente Padre
ZNS 790	CKPR 580	CHKG 1200	CMJR 1130	CMKB 1350
<b>CANADA ALBERTA</b>	Hamilton	CHNC 530	CMJS 1130	Sagua la Grande
Calgary	CHML 1010	Quebec	CMJT 870	CMIA 1090
CFAC 930	CKOC 1120	Chicoutimi	CMJU 1260	Sancti Spiritu
CFCN 1020	Kenora	CHIT 1210	CMJL 1160	CMIB 1240
CJCF 690	CKCA 1420	Three Rivers	CMJM 1450	Santa Clara
Edmonton	Kingston	CKVD 1200	CMJN 1090	CMIC 830
CFRN 960	CFRC 1510	<b>SASKATCH- EWAN</b>	CMJX 1480	CMIN 760
CJCA 730	Kirkland Lake	Moose Jaw	CMJY 1070	CMIQ 1290
CKULA 580	CKL 566	CHAB 1200	CMJZ 1210	CMIW 950
Grande Prairie	London	<b>TRINIDAD</b>	CMKA 1110	Santiago
CFGP 1310	CFPL 730	Havana	CMKB 760	CMKC 1350
Lethbridge	<b>NEW BRUNSWICK</b>	CMBC 780	CMKC 910	CMKD 1000
CJOC 1370	Campbellton	CMBD 1290	CMKE 640	CMKG 1490
	Fredericton	CMBE 1200	CMKF 1400	CMKH 1050
	Moncton	CMBF 1180	CMKY 1140	CMKI 1140
	Sackville			
	St. John			
	Victoria			

NORTH AMERICAN B. C. STATIONS BY LOCATIONS

**DOMINICAN REPUBLIC**

Ciudad Trujillo	
HIG	900
HIN	1090
HIX	900
HIT	1050
HIZ	1370
HI8Q	1470

**EL SALVADOR**

San Salvador	
YSS	640

**GUATEMALA**

Guatemala City	
TKW	1520
TGX	1400
TGI	1310
Quetzaltenango	
TGQ	1450

**HONDURAS**

Teguicigalpa	
HRN	14450

**MEXICO**

Aguascalientes	
XEAD	1240
XEBI	1000

**BAJA CALIFORNIA**

Mexicali	
XEAA	750
XEAO	680
XECL	1110
Tijuana	
XEAC	980
XEAF	1400
XEBG	820
XEC	1150
XELO	670
XEMO	860
XEON	750
XERB	1090

**CAMPECHE**

Campeche	
XEA	1400

**CHIHUAHUA**

Chihuahua	
XERU	1240
XERW	1340
XEFL	1440
XEM	1390

**Juarez**

XEP	1450
XEPV	1210
XEL	1020
XEP	1160

**Parral**

XEAT	1210
XEAR	1490

**Sabinas**

XEBX	640
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**Saltillo**

XEAS	1160
XEKS	1240

**Torreon**

XEDF	1400
XETB	1310

**Villa Acuna**

XEDH	1340
XERA	840

**DISTRITO FEDERAL**

**Mexico City**

XFAI	1250
XFB	1020
XEBS	1340
XEBZ	819
XEDA	1220
XEDF	080
XEFO	940
XEIF	1130
XFK	1000
XEKR	1280
XEL	1150
XELZ	1370
XEN	780
XEQ	780
XEQK	1500
XERC	830
XERH	1430
XESM	1270

XFW	990
XEXX	1170

**DURANGO**

XERP	1150
XEE	1210

**GUANAJUATO**

Irapuato	
XEIO	1330
XEFM	1160

Leon	
XEFM	1160
XEKL	1240

Shao	
XEWE	720

**JALISCO**

Guadalajara	
XED	1100
XEIK	1130

XELW	1340
Guzman	
XEBA	1030

**MEXICO**

Texcoco	
XEXE	1270

Toluca	
XECH	1490

**MICHOACAN**

Morelia	
XEBC	1240
XEL	1370

**NAYARIT**

Teplo	
XERK	1450

**NUEVO LEON**

Monterrey	
XEFB	870
XEG	1230

XEH	740
XET	690
XEX	1310

**OAXACA**

Oaxaca	
XEOA	1240
XEXH	1150

**PUEBLA**

Puebla	
XEHR	1230

**SAN LUIS POTOSI**

San Luis Potosi	
XECZ	1370

**SINALOA**

Los Mochis	
XEOX	1230

Mazatlan	
XEBL	1220
XEDS	1400

**SONORA**

Caranea	
XEFQ	1010

Guaymas	
XEDR	1490

Hermosillo	
XERB	930

Magdalena	
XEDJ	1450

Navjoa	
XEAJ	1400
XEDL	1240

Nogales	
XEAF	1000

Obregon	
XEAP	1340

San Luis	
XEY	1450

**TAMAULIPAS**

Matamoros	
XEAM	750

Nuevo Laredo	
XERK	1080

XEDF	1210
XEFE	910
XEFT	990

Reynosa	
XEAW	960

**Templeo**

XECA	1230
XEFW	1310
XES	990

Victoria	
XEBJ	1340

**VERA CRUZ**

Cordoba	
XEAG	1310

XECW	1240
Jafapa	
XEXB	1370

Minatitlan	
XEDW	1150

Orizaba	
XEPP	1400

Veracruz	
XETF	1220
XEU	1010

**YUCATAN**

Merida	
XEFC	1340
XEME	1240
XEZ	630

**ZACATECAS**

Zacatecas	
XBLK	1230

**MIQUELON**

St. Pierre	
FNQ	609

**NEWFOUNDLAND**

St. John's	
VOAC	1065

VOAR	950
VOCM	1040
VOGY	840
VOVF	640
VOVB	700

**PANAMA**

Colon	
HOK	640

(Continued from page 82)

**1530 kcs. (196 m.)**

CMCJ	...	200
CMCR	...	200
KITE	M	1000
WBRY	CMX	1000
WAKR	BP	1000

- a Havana, Cuba
- a Kansas City, Mo.
- a Waterbury, Conn.
- z Akron, Ohio

Pete Houck, Eng.  
S. E. Warner, Ch. Eng.  
.....

**1550 kcs. (193.4 m.)**

KPMC	M	1000
WQXR	X	1000

- a Bakersfield, Calif.
- a New York, N. Y.

L. A. Schamblin, Mgr.  
Russell Valentine, Ch. Eng.

**1580 kcs. (189.8 m.)**

CMRT	...	200
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- z Guines, Cuba

Raul Torres Parda

**1600 kcs. (187.4 m.)**

CMBH	...	5000
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- e Havana, Cuba

Alberto Alvarez Ferrera

## NORTH AMERICAN B. C. STATIONS BY CALL LETTERS

For power and network affiliations, see the list of stations by frequencies.

The space under the call letters may be used for logging or checking.

CBA	1050	CHGB	1200	CKCK	1010	CMBD	1290	CMGN	760	CMKC	1250
CBF	910	CHGS	1450	CKCL	580	CMBF	1290	CMHA	1090	CMKD	910
CBJ	1120	CHLN	1420	CKCO	1010	CMBG	1180	CMHB	1240	CMKE	1310
CBK	540	CHLP	1120	CKCR	1510	CMBH	1600	CMHD	1270	CMKF	1460
CBL	840	CHLT	1210	CKCV	1310	CMBL	720	CMHI	830	CMKG	1000
CBM	960	CHML	1010	CKCW	1370	CMBQ	1150	CMHJ	1160	CMKH	1110
CBO	880	CHNB	1420	CKGB	1440	CMBS	1250	CMHK	1210	CMKJ	760
CBR	1100	CHNC	610	CKIC	1010	CMBX	1180	CMHM	1450	CMKL	950
CBV	950	CHNS	930	CKLN	1420	CMBY	1410	CMHN	760	CMKM	1080
CBY	1420	CHRC	580	CKLW	1030	CMBZ	1010	CMHO	1020	CMKN	640
CFAC	930	CHSJ	1120	CKMC	1210	CMC	1350	CMHP	1100	CMKO	1280
CFAR	1370	CHWK	780	CKMO	1410	CMCA	1350	CMHQ	1320	CMKQ	1490
CFCF	600	CJAT	910	CKNB	1210	CMBC	1250	CMHT	920	CMKR	1400
CFCH	930	CJBR	1030	CKNX	1200	CMCD	630	CMHW	950	CMKS	860
CFCN	1030	CJCA	730	CKOC	1120	CMCF	810	CMHX	1480	CMKU	730
CFCO	630	CJCB	1240	CKOV	630	CMCG	1080	CMJA	860	CMKV	570
CFCT	1450	CJCJ	690	CKPC	930	CMCJ	1550	CMJC	1390	CMKW	1050
CFCY	630	CJCS	1210	CKPR	580	CMCH	1050	CMJE	1230	CMKX	1190
CFGP	1310	CJGX	1430	CKRN	1370	CMCK	970	CMJF	930	CMKY	1140
CFJC	880	CJHC	1290	CKSO	780	CMCL	730	CMJH	1360	CMKZ	1430
CFLC	930	CJIC	1500	CKTB	1200	CMCM	850	CMJI	1130	CMOA	1210
CFNB	550	CJKL	560	CKUA	580	CMCO	1210	CMJK	1020	CMOX	1510
CFOS	1370	CJLS	1310	CKVD	1200	CMCQ	1410	CMJL	1330	CMQ	690
CFPL	730	CJOC	1370	CKWX	950	CMCR	1550	CMJM	870	CMRT	1580
CFPR	580	CJOR	600	CKX	1120	CMCU	1110	CMJN	610	CMW	550
CFQC	600	CJRC	630	CKY	910	CMCW	1510	CMJO	1260	CMX	880
CFRB	690	CJRM	950	CMAB	1240	CMCX	1050	CMJP	1420	CMZ	920
CFRC	1510	CKAC	730	CMAC	1030	CMCY	590	CMJW	1070	FQN	609
CFRN	960	CKBI	1210	CMAN	540	CMGE	1370	CMJX	900	HIG	900
CHAB	1200	CKCA	1420	CMAR	1400	CMGF	1120	CMK	750	HIN	1090
CHCK	1310	CKCH	1210	CMBC	780	CMGH	1190	CMKB	1350	HIT	1050

HIX	800	KDON	1210	KFJZ	1240	KGEK	1200	KHSL	1260	KMO	1330
HIZ	1370	KDRO	1500	KFKA	880	KGER	1360	KHUB	1310	KMOX	1090
H18Q	1470	KDTH	1340	KFKU	1220	KGZE	1310	KICA	1370	KMPC	710
HOK	640	KDYL	1290	KFNF	890	KGFF	1420	KID	1320	KMTR	570
HRN	1450	KECA	780	KFOR	1210	KGfJ	1200	KIDO	1350	KMYC	1420
KABC	1420	KELA	1440	KFOX	1250	KGFL	1370	KIDW	1420	KMYR	1310
KABR	1390	KELD	1370	KFPL	1310	KGFW	1310	KIEM	1450	KNEL	1500
KADA	1200	KELO	1200	KFPW	1370	KGFX	630	KIEV	850	KNOW	1500
KALB	1210	KENO	1370	KFPY	890	GGF	1010	KINY	1450	KNX	1050
KALE	1300	KERN	1380	KFQD	780	KGGM	1230	KIRO	710	KOA	830
KANS	1210	KEUB	1420	KFRC	610	KGHF	1320	KIT	1250	KOAC	550
KARK	890	KEVR	1370	KFRO	1340	KGHI	1200	KITE	1530	KOAM	790
KARM	1310	KEX	1160	KFRU	630	KGHL	780	KIUL	1210	KOB	1180
KASA	1210	KFAB	770	KFSD	600	KGIR	1340	KIUN	1370	KOBH	1370
KAST	1200	KFAC	1300	KFSG	1120	KGIW	1420	KIUP	1370	KOCA	1210
KATE	1420	KFAM	1420	KFUN	1420	KGKL	1370	KJBS	1070	KOCY	1310
KAWM	1500	KFAR	610	KFUO	830	KGKO	570	KJR	970	KOH	630
KBIX	1500	KFBB	1280	KFVD	1000	KGKY	1500	KLAH	1210	KOIL	1260
KBKR	1500	KFBC	1420	KFVS	1370	KGLO	1210	KLBM	1420	KOIN	940
KBND	1310	KFBI	1050	KFWB	950	KGLU	1420	KLCN	1290	KOKO	1370
KBPS	1420	KFBK	1490	KFXD	1200	KGMB	1320	KLO	1400	KOL	1270
KBST	1500	KFDA	1200	KFXJ	1200	KGNC	1410	KLPM	1360	KOMA	1480
KBTM	1200	KFDM	560	KFXM	1210	KGNF	1430	KLRA	1390	KOME	1310
KCKN	1310	KFDY	780	KFYO	1310	KGNO	1340	KLS	1280	KOMO	920
KCMC	1420	KFEL	920	KFYR	550	KGO	790	KLUF	1370	KONB	1500
KCMO	1450	KFEQ	680	KGA	1470	KGU	750	KLX	880	KONO	1370
KCRC	1360	KFGQ	1370	KGB	1330	KGVO	1260	KLZ	560	KOOS	1200
KCRJ	1310	KFH	1300	KGBU	900	KGW	620	KMA	930	KORE	1420
KDAL	1500	KFI	640	KGBX	1230	KGY	1210	KMAC	1370	KORN	1370
KDB	1500	KFIO	1120	KGCA	1270	KHAS	1200	KMBC	950	KOTN	1500
KDFN	1440	KFIX	1420	KGCU	1240	KHBC	1200	KMED	1410	KOVC	1500
KDKA	980	KFJB	1200	KGCX	1450	KHBG	1210	KMJ	580	KOVO	1210
KDLR	1210	KFJI	1210	KGDE	1200	KHJ	900	KMLB	1200	KOWH	660
KDNT	1420	KFJM	1410	KGDM	1100	KHQ	590	KMMJ	740	KOY	550

KPAB	1500	KROW	930	KTUC	1370	KWFT	620	TIEMC	860	WAGE	620
KPAC	1220	KROY	1210	KTUL	1400	KWG	1200	TIEP	830	WAGF	1370
KPDN	1310	KRRV	880	KTW	1220	KWJB	1210	TIFA	1000	WAGM	1420
KPFA	1210	KRSC	1120	KUIN	1310	KWJJ	1040	TIGH	690	WAIM	1200
KPFT	1210	KSAC	580	KUJ	1370	KWK	1350	TIGPH	605	WAIR	1250
KPHO	1200	KSAL	1120	KUOA	1260	KWKH	1100	TIGPH2	1225	WAJR	1200
KPLC	1500	KSAN	1420	KUSD	890	KWLC	1270	TIHO	1030	WAKR	1530
KPLT	1500	KSCJ	1550	KUTA	1500	KWLK	1370	TILJ	775	WALA	1380
KPMC	1550	KSD	550	KVAK	1420	KWLM	1310	TILS	880	WALB	1230
KPO	680	KSEI	900	KVAN	880	KWNO	1200	TINBC	1070	WAML	1310
KPOF	880	KFSO	560	KVCV	1200	KWOC	1310	TING	750	WAOV	1420
KPPC	1210	KSL	1130	KVEC	1200	KWOS	1310	TIOS	940	WAPI	1140
KPQ	1500	KSLM	1360	KVFD	1370	KWSC	1220	TIPG	625	WAPO	1420
KPRC	920	KSO	1430	KVGB	1370	KWTO	560	TIRCC	1200	WARD	1400
KQV	1380	KSOO	1110	KVI	570	KWYO	1370	TIRS	920	WARM	1370
KQW	1010	KSRO	1310	KVIC	1310	KXA	760	TIXD	800	WASH	1270
KRBC	1420	KSTP	1460	KVNU	1200	KXL	1420	TIANRH	725	WATL	1370
KRBM	1420	KSUB	1310	KVOA	1260	KXO	1500	T15CV	575	WATN	1210
KRE	1370	KSUN	1200	KVOD	630	KXOK	1250	VAS	685	WATR	1290
KRGV	1260	KTAR	620	KVOE	1500	KXOX	1210	VOCM	1040	WATW	1370
KRIC	1420	KTBS	1450	KVOL	1310	KXRO	1310	VONF	640	WAVE	940
KRIS	1330	KTEM	1370	KVOO	1140	KXYZ	1440	VOGY	840	WAWZ	1350
KRJF	1310	KTFI	1240	KVOR	1270	KYA	1230	VOAC	1065	WAYX	1200
KRKD	1120	KTHS	1060	KVOS	1200	KYAN	1370	VOAR	950	WAZL	1420
KRKO	1370	KTKC	890	KVOX	1310	KYCA	1500	VOWR	700	WBAA	890
KRLC	1390	KTMS	1220	KVRS	1370	KYOS	1040	WAAB	1410	WBAB	1200
KRLD	1040	KTOH	1500	KVSF	1310	KYSM	1500	WAAF	920	WBAL	760
KRLH	1420	KTOK	370	KVSO	1210	KYUM	1210	WAAT	940	WBAL	1060
KRMC	1370	KTRB	740	KVWC	1500	KYW	1020	WABC	860	WBAP	800
KRMD	1310	KTRH	1290	KWAL	1420	TGQ	1450	WABI	1200	WBAX	1210
KRNR	1500	KTRI	1420	KWAT	1210	TGW	1520	WABY	1370	WBBC	1400
KRNT	1320	KTSA	550	KWBG	1420	TGX	400	WACO	1420	WBBL	1210
KROC	1310	KTSM	1350	KWEW	1500	TGI	1310	WADC	1320	WBBM	770
KROD	1500	KTSW	1370	KWFC	1310	TIAFB	900	WAGA	1450	WBBR	1300

WBBZ	1200	WCAX	1200	WDAN	1500	WERC	1500	WGAR	1450	WHBB	1500
WBCM	1410	WCAZ	1070	WDAS	1370	WEST	1200	WGAU	1310	WHBC	1200
WBEN	900	WCBA	1440	WDAY	940	WESX	1200	WGBB	1210	WHBF	1240
WBHP	1200	WCBD	1080	WDBJ	930	WEVD	1310	WGBF	630	WHBI	1250
WBIG	1440	WCBI	1370	WDBO	580	WEW	760	WGBI	880	WHBL	1300
WBIR	1210	WCBM	1370	WDEF	1370	WEXL	1310	WGBR	1370	WHBQ	1370
WBLJ	1200	WCBS	1420	WDEL	1120	WFAA	800	WGCM	1210	WHBU	1210
WBLK	1370	WCBT	1200	WDEV	550	WFAM	1200	WGES	1360	WHBY	1200
WBML	1420	WCCO	810	WDGY	1180	WFAS	1210	WGGA	1210	WHCU	850
WBNS	1430	WCED	1200	WDLP	1200	WFBC	1300	WGH	1310	WHDF	1370
WBNX	1350	WCFL	970	WDMJ	1310	WFBG	1310	WGIL	1500	WHDH	830
WBNY	1370	WCHS	580	WDNC	1500	WFBL	1360	WGKY	1500	WHDL	1420
WBOC	1500	WCHV	1420	WDOD	1280	WFBM	1230	WGL	1370	WHEB	740
WBOW	1200	WCKY	1490	WDRC	1330	WFBR	1270	WGN	720	WHEC	1430
WBRB	1210	WCLE	610	WDSM	1200	WFCL	1390	WGNC	1420	WHFC	1420
WBRC	930	WCLO	1200	WDSU	1250	WFDL	1310	WGNV	1220	WHIO	1260
WBRE	1310	WCLS	1310	WDWS	1370	WFEA	1340	WGOV	1420	WHIP	1480
WBRK	1310	WCMI	1310	WDZ	1020	WFAH	1310	WGPC	1420	WHIS	1410
WBRW	1310	WCNC	1370	WEAF	660	WFIG	1310	WGR	550	WHIZ	1210
WBRY	1530	WCNW	1500	WEAN	780	WFIL	560	WGRB	1200	WHJB	620
WBT	1080	WCOA	1340	WEAU	1050	WFLA	620	WGRC	1370	WHK	1390
WBTH	1370	WCOC	880	WEBC	1290	WFMD	900	WGRM	1210	WHKC	640
WBTH	1370	WCOL	1200	WEBQ	1210	WFMJ	1420	WGST	890	WHKY	1370
WBZ	990	WDOP	1120	WEBR	1310	WFNC	1340	WGTC	1500	WHLB	1370
WBZA	990	WCOS	1370	WEDC	1210	WFOR	1370	WGTM	1310	WHLD	1260
WCAD	1220	WCOU	1210	WEED	1420	WFOY	1210	WGY	790	WHLS	1370
WCAE	1220	WCOV	1210	WEEI	590	WFPG	1420	WHA	940	WHMA	1420
WCAL	760	WCPO	1200	WEEU	830	WFTC	1200	WHAL	950	WHN	1010
WCAM	1280	WCRW	1210	WELI	930	WFTL	1370	WHAH	1210	WHO	1000
WCAO	600	WCSC	1360	WELL	1420	WFTM	1210	WHAM	1150	WHOM	1450
WCAP	1280	WCSH	940	WEMP	1310	WFVA	1260	WHAS	820	WHOP	1200
WCAR	1100	WDAE	1220	WENR	870	WGAC	1210	WHAT	1310	WHP	1430
WCAT	1200	WDAF	610	WENY	1200	WGAL	1500	WHAZ	1300	WHUB	1370
WCAU	1170	WDAK	1310	WEOA	1370	WGAN	560	WHB	860	WHYN	1370

WIBA	1280	WJDX	1270	WMAQ	670	WMAZ	1180	WNAB	1420	WOWO	1160
WIBC	1050	WJEJ	1210	WMAS	420	WMBC	1420	WNAC	1230	WPAB	1340
WIBG	970	WJHL	1200	WKOK	1210	WMBD	1440	WNAD	1010	WPAD	1420
WIBM	1370	WJHO	1370	WKPA	1120	WMBG	350	WNAX	570	WPAR	1420
WIBU	1210	WJHP	1290	WKPT	1370	WMBH	1420	WNBC	1380	WPAT	900
WIBW	580	WJIM	1210	WKRC	550	WMBI	1080	WBNF	1500	WPAX	1210
WIBX	1200	WJJD	1130	WKST	1250	WMBO	1310	WNBH	1310	WPAY	1370
WICA	940	WJLS	1210	WKY	900	WMBR	1370	WNBX	1260	WPEN	920
WICC	600	WJMC	1210	WKZO	590	WMBS	1420	WNBZ	1290	WPIC	780
WIL	1200	WJMS	1420	WLAC	1470	WMC	780	WNEL	1290	WPID	1210
WILL	580	WJNO	1200	WLAK	1310	WMCA	570	WNEW	1250	WPRA	780
WILM	1420	WJOB	1200	WLAP	1420	WMEX	1470	WNLC	1500	WPRO	630
WIND	560	WJPF	1310	WLAV	1310	WMFD	1370	WNOE	1420	WPRP	1420
WING	1380	WJPR	1310	WLAW	680	WMFF	1310	WNOX	1010	WPTF	680
WINN	1210	WJR	750	WLB	760	WMFG	1210	WNYC	810	WQAM	560
WINS	1180	WJRD	1200	WLBC	1310	WMFJ	1420	WOAI	1190	WQAN	880
WINX	1310	WJSV	1460	WLBJ	1310	WMFR	1200	WOC	3370	WQBC	1360
WIOD	610	WJTN	1210	WLBL	900	WMGA	1370	WOCB	1210	WQDM	1390
WIP	610	WJW	1210	WLBZ	620	WMIN	1370	WOI	640	WQXR	1550
WIRE	1400	WJZ	760	WLEU	1420	WMJM	1500	WOKO	1430	WRAK	1370
WIS	560	WKAQ	1240	WLLH	1370	WMMN	890	WOL	1230	WRAL	1210
WISE	1370	WKAR	850	WLNH	1310	WMOB	1200	WOLF	1500	WRAW	1310
WISN	1120	WKAT	1500	WLOF	1200	WMDG	1500	WOLS	1200	WRBL	1200
WIZE	1310	WKBB	1500	WLOG	1200	WMPC	1200	WOMI	1500	WRC	950
WJAC	1370	WKBH	1380	WLOK	1210	WMPS	1430	WOMT	1210	WRDO	1370
WJAG	1060	WKBN	570	WLLO	1300	WMRC	1500	WOPI	1500	WRDW	1500
WJAR	890	WKBO	1200	WLPM	1420	WMRN	1500	WOR	710	WREC	600
WJAS	1290	WKBV	1500	WLS	870	WMRO	1250	WORC	1280	WREN	1220
WJAX	900	WKBW	1480	WLTH	1400	WMSD	1420	WORD	1370	WRGA	1500
WJBC	1200	WKBZ	1500	WLVA	1200	WMSL	1370	WORK	1320	WRJN	1370
WJBK	1500	WKEU	1500	WLW	700	WMT	600	WORL	920	WRNL	880
WJBO	1120	WKGA	940	WMAL	630	WMUR	610	WOSU	570	WROK	1410
WJBY	1210	WKIP	1420	WMAM	570	WMVA	1420	WOV	1100	WRR	1280
WJBW	1200	WKNY	1500	WMAN	1370	WMWH	1420	WOW	590	WRUF	830

WRVA	1110	WSTP	1500	WTRY	950	XEBG	820	XEF	1450	XEBX	1280
WSAI	1330	WSTV	1310	WTSP	1370	XLBH	930	XEFB	870	XEN	780
WSAJ	1310	WSUI	880	WVFW	1400	XEBI	1000	XEFC	1340	XENT	990
WSAM	1200	WSUN	620	WWDC	1420	XEBJ	1340	XEFE	910	XEOA	750
WSAN	1440	WSVA	550	WWJ	920	XEBK	1080	XEFI	1440	XEON	750
WSAR	1450	WSVS	1370	WWL	850	XEBL	1220	XEFM	1160	XEOX	1230
WSAU	1370	WSYB	1500	WWNC	570	XEBO	1330	XEFO	940	XEP	1160
WSAV	1310	WSYR	570	WWNY	1270	XEBP	1150	XEFG	1010	XEPN	740
WSAY	1210	WTAD	900	WWRL	1500	XEBS	1340	XEFV	1210	XEPP	1400
WSAZ	1190	WTAG	580	WWSW	1500	XEBU	1240	XEFW	1310	XEQ	730
WSB	740	WTAL	1310	WWVA	1160	XEBW	1340	XEG	1230	XEQK	1500
WSBC	1210	WTAM	1070	WXYZ	1240	XEBX	640	XEH	740	XERA	840
WSBT	1360	WTAQ	1330	W8XO	700	XEBZ	810	XEHK	1230	XERB	1090
WSFA	1410	WTAR	780	XEA	1400	XEC	1150	XEHR	1230	XERC	830
WSGN	1310	WTAW	1120	XEAA	750	XECA	1230	XEI	1370	XERH	1430
WSIX	1210	WTAX	1210	XEAC	980	XECH	1490	XEJ	1020	XERK	1450
WSJS	1310	WTBO	800	XEAD	1240	XECL	1110	XEJP	1130	XES	990
WSKB	1200	WTCM	1370	XEAF	1000	XECW	1240	XEJR	1490	XESM	1270
WSLB	1370	WTCN	1250	XEAG	1310	XECZ	1370	XEK	1000	XET	690
WSLI	1420	WTEL	1310	XEAI	1250	XED	1160	XEKL	1240	XETB	1310
WSLS	1500	WTHT	1200	XEAJ	1400	XEDA	1220	XEKR	1280	XEU	1010
WSM	650	WTIC	1040	XEAM	750	XEDE	1400	XEKS	1240	XEW	890
WSMB	1320	WTJS	1310	XEAO	660	XEDF	810	XEL	1150	XEWE	720
WSNJ	1210	WTMA	1210	XEAP	1340	XEDH	1340	XELK	1230	XEX	1310
WSOC	1210	WTMC	1500	XEAS	1160	XEDJ	1450	XELO	670	XEXB	1270
WSOO	1200	WTMJ	620	XEAT	1210	XEDL	1240	XELW	1340	XEXE	1270
WSOY	1310	WTMV	1500	XEAU	1400	XEDP	1080	XELZ	1370	XEXH	1150
WSPA	920	WTNJ	1280	XEAW	960	XEDR	1490	XEM	1390	XEXX	1170
WSPB	1420	WTOC	1260	XEB	1030	XEDS	1400	XEME	1240	XEY	1450
WSPD	1340	WTOL	1200	XEBA	1080	XEDW	1150	XEMO	860	XEZ	650
WSPR	1140	WTRC	1310	XEBC	1240	XEE	1210	XEMU	580		

YOUR COPY OF RADEX  
DELIVERED TO YOUR HOME.  
SEE PAGE 96



## GET MORE DX WITH HEADPHONES



**W**E 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 4¼ ounces complete. 24,000 ohms. .... **\$8.50**
- Trimm "Professional," 4,000 ohms. .... **4.00**
- Trimm "Dependable," 2,000 ohms. .... **3.25**

**ORDER BY MAIL FROM  
RADEX**

**12 Locust Ave.      Emerson, N. J.**

### U. S. S. R.

RNE on 12000 kcs. has been heard at various times such as 9 p.m. on Saturday, at 3:15 on a Sunday, and from 4:30-5 p.m. with a French program, and from 5-6 p.m. in Spanish. (McMahon, N. Y., Laudansky, Mass.)

RV-15 on 4273 kcs. at Khatarovisk was heard with English program at 8 a.m. using a female announcer. (Jewell, Calif.)

RV-96 on 15180 kcs. heard from 12-1 a.m. with both male and female announcers. This station now carries the 9:30 p.m. broadcast to North America which used to be on RAN and RNE. RV-96 can be heard at almost any time of the day or evening as their transmissions are almost continuous. (McMahon, N. Y., Jewell, Calif., Laudansky, Mass., Taylor, Ky., Podall, Vt. Stevens, Ky.)

## Quick Index

The 1940 issues of RADEX may be purchased for the regular price of 25c each. A quick index of features which have appeared in RADEX this year follows:

- Jan.-Feb. High Frequency Broadcasting Stations; Radio Stations from 4320 to 5750 kcs.; North American Broadcasting Stations with Weekday time on the air.
- Mar.-Apr. International Prefixes; Radio Stations from 5758 to 8580 kcs.; North American Broadcasting Stations with mailing addresses.
- May-June Turner Dial Discusses Servicing; Venezuela Stations; Peruvian Stations; La Paz, Bolivia Stations; Colombian Stations; Frequency Checks; Radio Stations from 8600 to 15270 kcs.; North American Broadcasting Stations with names of verification signers.
- July-Aug Radio Stations from 15280 to 39360 kcs.; Frequency Modulation Channels
- Sept.-Oct. The Radex Contest; QSA and R Codes; This Hobby Called DXing; The Spanish Alphabet; International Prefixes; Radio Stations from 39380 to 138960 kcs.; Television Stations; Frequency Modulated Stations.
- Nov.-Dec. Proposed Reallocations and their Effect; Commencing a new complete list of the World's Radio Stations, frequencies 1600 to 2490; this list includes the police stations of North America.

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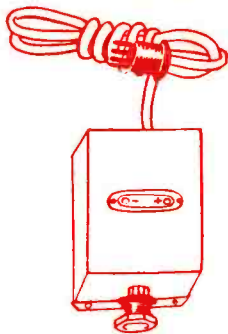
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