

# RADIO IN DEX

*The All-Wave Radio Log Authority*

NSE

No. 134

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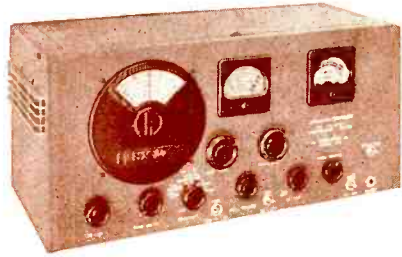


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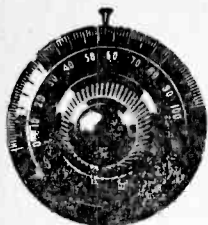
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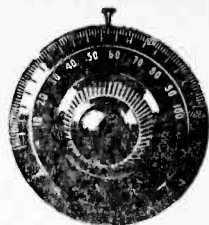


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# RADIO IN DEX

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SIXTEENTH YEAR

DECEMBER 1, 1939

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# HAM HOUNDING

• • • By HUGH HUNTEM

At present we are in a very peculiar period as far as radio listening is concerned. Propaganda is being dispersed by the bushel and new frequencies are being used so fast by foreign stations that it is almost impossible for any radio log to keep up with them.

The ham bands have been affected materially, too, by changed world conditions. As we go to press, amateur radio stations of these countries are off the air: England, Scotland, Northern Ireland, Wales, Poland, Germany, Belgium, Czecho-Slovakia (or what is left of it), Danzig, Switzerland, Jugoslavia, Cuba, Canada, British West Indies, Australia, New Zealand, France, Netherlands, Curacao, and Dutch East Indies.

Even as we write this, a South African ham is bidding goodbye to some of his friends.

XE1AC has called upon all hams in South and Central America to work on the 80-meter band, where there is plenty of room for all of them. At the same time, phone stations from the Latin countries are being heard with increased regularity on the 40-meter band, drowning out, in some cases, the CW signals of U. S. hams.

C. J. Fern, Jr, of Lihue, Hawaii, declares that because of so many bans, nothing much of DX is coming through. He is going to concentrate now on the 160 and five-meter bands and attempt to tune some catches there.

"Five meters is where listeners are really needed," he writes. "Conditions must be observed and recorded to pave the way for possible reliable long-distance communication."

That's the picture, fans. There are possibilities on every band, especially with five and ten meters reaching peaks this month and next.

How many DX listeners log the CW stations? The DX is there, all right, and it takes only a little practice to read the CQ's and calls, since the latter are repeated so many times in a CQ.

Our first amateur in this month's personality parade is a CW ham. CM2OP in Havana, Cuba. One of the most active hams in the island, Mario de la Torre is section communications manager for the American Radio Relay League.



*This K5AG amateur card is printed in brown, red, black and yellow, and is 3½ by 8½ inches in size. (Courtesy of Wallace Howe).*

He came on the air when he was 10 years old, in 1931. He has two QTH's. In the summer he moves the rig to his father's country home about six miles south of Havana. Since his dad's hobby is meteorology, they both listen to the daily weather reports and are active in time of storms and hurricanes.

CM2OP has WAS, and has worked 75 countries. He's still looking for Asia for his WAC, and when the ban in Cuba has been lifted, will go to work for that Far Eastern catch.

G2UF—On Harold Bailey's QSL card, printed here, is the word "Television," appearing just under his call letters. The reason for that word is that Harold is very much interested in transmission of pictures by radio, and operated one of the first television theaters in the world back in 1934 at Blackpool, England.

He also is the writer of a small booklet entitled "A Brief Survey of Television," which appeared at about the same time. He says that he was operating on 30 lines in the Blackpool theater, and sent along a picture of the antenna and apparatus used.

He has been operating an amateur station since 1919, when the old 1000-meter band was used. Afterwards, Harold recalls, they were pushed down to 400 meters.

"In those days there was very little QRM," he reminisced, "and it was surprising the reports that were received over fairly long distances on crystal sets."

HH2MC—The operator of this Haiti station is the chief of the department of public works of the Haitian government, Emile Cadet.

He says that there are about 47 stations on the island, seven of these be-

longing to the army. Five of those left are on CW (HH3L, HH5PA, HH4AS, HH2ES, and HH2MC). Even some of these are on phone, including HH2MC and HH5PA. Then, those left in the Callbook are on phone, distributed on the various bands.

Emile has worked 99 countries, has sent cards for WBE, BERTA, WAC, and WAS. Most of his SWL reports come from Germany, and he QSL's 100 per cent. He is married and has two junior operators. His QRA: Radio HH2MC, Port-au-Prince, Haiti.

ZL3KX—G. W. Heslop, operator of ZL3KX, paints an inviting picture of New Zealand for the traveler. Many visitors come to New Zealand every year, he writes, to see the world famous Waitomo Caves, Thermal Regions of Rotorna with their hot water springs, pools of boiling mud and geysers, the glaciers at Mount Cook in the snow clad Southern Alps, and the Cold Lakes of the South.

Gwynn, who was licensed in 1936, operates on 80-meter phone and CW, 40-meter CW, and 20-meter phone and CW. He says that most of his spare time is spent in QSO's with hams all over the world.

He states that unlimited operation is allowed ZL hams except on 20 meters, where phone amateurs may operate only from midnight to 7 a.m. each day. Gwynn will QSL all reports for return postage, and his novel card, shown here, is worth the effort to log him.

**Two Suspended**

Hams are being warned to watch the law regarding station operation. The Federal Communications Commission is clamping down on violaters, especially because of European disturbances.

W3SFU, Pottstown, Pa., and W1DIF, Wales, Mass., were both suspended for six months by the FCC, the former for communicating with an unlicensed station and the latter for permitting an unlicensed operator to operate his station and failing to keep an accurate station log.

George J. Eder, R811, of Philadelphia, "ham" editor of GCDXC and the WDXA, sends in his picture and some dope about his listening post.

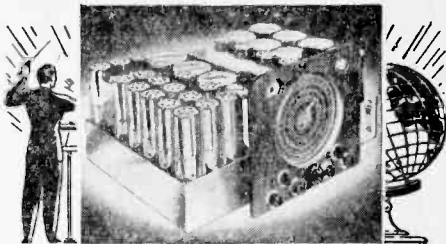
He has just heard his third Hungarian on 20-meter phone, HA3B, fourth from Alaska, K7GSC, and E5SD for the second time. Although once a BCE DXer, he now devotes his time to the ham bands.

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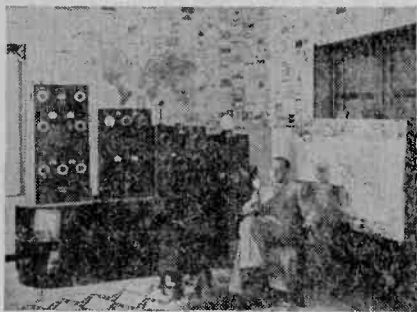
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*The rig and novel QSL card of Jose M. Sierra, one of the two amateurs in Tangier, International Zone, North Africa. His signals are heard QSA5, R9 in the United States.*

He has heard 79 countries on 20-meter phone, and since 1935 has heard a total of 1157 phone station outside of the United States. Now he is trying to QSL all states on 10 and 75-meter phone.

John Varga, 4758 West End Ave., Chicago, will send amateurs' addresses to anyone writing to him and enclosing a self-addressed stamped envelope with paper or a stamped post-card. For U. S. amateurs he will give only one to a district unless the person requesting the addresses lives outside of the U. S.

John would also like to know where he can get some SWL cards printed. One place that we know of is Hinds & Edgerton, 19 S. Wells St., Chicago, Ill.

Who's on the air? Because most of our readers indicate that listing the catches by countries is preferred, we'll start right off and list them that way. Cliff Tavener, of Rosenberg, Texas, wants to know if PK's and KA's should be counted as under Oceania or Asia. Radex lists them both as Oceania.

ALASKA—K7HCX is being heard lately on 20 meter phone. His name is Whitney Lewis, and he lives in Fairbanks, almost on the Arctic Circle.

ARGENTINA—LUIQA, LU5EZ, and LU7AY are being heard regularly. LU2BG, heard on both 10 and 20 meters will QSL.

BELGIAN CONGO—LeRoy Waite, Balston, N. Y., reports that OQ5AB in Elisabethville is the outstanding foreign phone on the 10-meter band between 12 to 1 p.m. OQ5AD is also heard on 10 meters. This African country should be easy to log since OQ5AA (14070), OQ5AE (14400), and OQ5RT (14040) are all on 20 meter phone and well-received when the band is open.

BOLIVIA—CPIBA, the outstanding Bolivian phone, is heard on a frequency



of 14055 megs. His name and QRA: Jose Camacho B., Grau 19, Casilla de Correo 15, Sucre.

BRAZIL—PY7QB is a new station. He is Jose Bezerra Marinho, Rua 13 de Maio 616, Natal, Estado de Rio Grande do Norte. PY2MI and PY1AZ are being heard on 10 meters.

BULGARIA—Australian hams were told before hostilities in Europe started to send QSL's for Bulgaria in care of HB9CE, Swiss Shortwave Radio, Zurich, Badenerstr, 68, Switzerland. That still may be in effect even though Swiss stations are off the air.

BURMA—Try for XZ2BH, M. Kyaw Min, Indian Civil Service, Premier's Secretary, Secretariat, Rangoon. He's been heard in the United States on 20-meter phone.

CHILE—Here are some frequencies: CE1AH, 14010; CE3CG, 14020; and CE1BC, 14040. CE1AS has been heard



on 20, while CE3CZ is usually heard on 10 meters.

**CHINA**—Here are some more XU's heard in the United States. Don't forget that these hams are heard best around 7 a.m. in the morning with a north and south antenna. XU8ZA on 14070 was heard by LeRoy Waite. XU1B is being heard. For you CW listeners, XU2JR is coming through.

**COSTA RICA**—T14JG seems to be the TI newcomer. Many report him on 14060 phone. T14AC is the sister station of T14NRH, operated by Amando Cespedes, J., and Lydilia Cespedes on 14.052 megs.

**CURACAO**—PJ5EE says that there are five active hams in Curacao. Two of the others are PJ1BV and PJ3CO. But NEVER send cards directly to any of the five, he warns, because hams there are banned. He advises that QSL's should be sent through the American Radio Relay League.

**DENMARK**—OZ7HL is being heard on 14.125 megs. He is H. W. Larsen, Maagevej 31, 1, Copenhagen N., Denmark.

**ESTONIA**—Since the major European stations are off the air the rigs of smaller countries are pushing signals through into the U.S. ES5D used to be the only one heard from Estonia. Now ES5C (14.355) and ES4G (14.030) are being heard, ES5C on CW.

**GIBRALTAR**—Jack Wells, Phenix, Alabama, reports that ZB2B QSL's with a neat, white card with a small, red call and picture of a tiny castle. Power is only 20 watts. Station is operated by a group of Royal Signal Corps officers.

**HUNGARY**—HA1K, HA8Q, and HA3B are being heard quite often from another country where hams are getting a break by the amateur radio bans. Too, since there are several hams in Hungary, we are expecting reports to roll in telling of others heard over here. HA1K is being heard on the high frequency end of the band. QRA: Post Recherche Station, Gyali ut. 22, Budapest IX. Bill Wells, Hamilton, Ont. logged him. HA3B (14090), logged by LeRoy Waite, is Joseph Boer, Millenium-sor 1, Nagymaros. HA8Q (14.045) is Janos Gelle, Kiraly utca 72, Ujpest.

**INDIA**—A fine catch on 20 meter phone is VU2FA, who says that he is only 100 miles from Tibet. He is Major J. N. Atkinson, R.A.M.C., "The Ridge," Kasauli, Simla Hills

**ITALY**—I1TKM is still on the air on about 14020 megs. I1MZ has also been reported on 14.084 megs.

**JAPAN**—With DX picking up more and more Japanese stations are being logged by our early-rising DXers. J5CW is being heard on 14.060. Others logged are J7CR (14.009), J7CB (14.110), and J8C1 (14.105).

**JAVA**—Jack Wells says that since PK6XX has gone off the air, PK3WI at Lawang is the most consistent signal in his district from Java. He QSL's very promptly with a tan-colored QSL with large brown call-letters. His frequency is 14.050. On 20 meter phone PK2AY (14.030) and PK2LZ are also pounding in.

**LIBERIA**—James Kavanaugh, Indiana observer for R and T reports EL7AS, the only report we have heard in the United States of this station.

**LITHUANIA**—LY1J, in Kaunas, logged by many, QSL's promptly with a beautiful, multi-colored card showing the Liberty Monument of Lithuania, reports Jack Wells. LY1AH is being logged on 14.385 megs. He is on CW.

**MADAGASCAR**—FB8AA still remains the outstanding phone in this country and he is being heard on 10 meters. The QRA: Roger Luzet, Tsaralalana, Tananarive.

**MANCHUKUO**—The QRA of MX3A is given as H. Matsui, via MX3H QSL Bureau, P.O. Box 30, Shinkyu, Manchukuo.

**MEXICO**—We wonder how many heard a station on the low frequency end of the 20-meter band recently giving the call as X14, experimental station. We heard him about 10:30 p.m., EST, calling T14AC. XE1CQ and XE2FC are being heard on 10 meters. Robert W. May of Rome, Ga. reports X14 as a Cuban.

**NICARAGUA**—Don Reukauf (R1295), Sheldon Shallon, and Merton T. Meade all inform me that both YN1IP and YN3DG QSL. YN1IP requires no postage, says Sheldon, and YN3DG requires a dime for his veri. YN1HS, YN1OP, YN1PR, and YN2LT are indifferent QSL-ers, says Merton. YN1FS is a new station, heard in a QSO asking that cards to him be sent via YN1OP. YN1FF also logged on 20 phone.

**NIGERIA**—LeRoy Waite has a letter which clears up the status of ZD2H and ZD4AB, the latter in the Gold Coast. It is from Art Tomlinson, op of ZD2H, and says, in part: "I think someone is pirat-

ing my call on phone. I've never yet used phone. I've had several listener reports giving details of phone QSO's originating from ZD2H. These come mostly from W which leads one to assume that the bootlegger may be located somewhere in America. ZD4AB used phone on rare occasions but he is home in England on vacation and is not due back in the Gold Coast until the latter part of November. He is a confirmed CW merchant but perhaps may bring sufficient gear back with him to put out a spot of phone."

NORWAY—LA8J is being heard on 14.120 mags. He is Karl Reime Siversten, Langgt. 46, Sandnes. Other Norwegians should be logged unless a ban is imposed, since there are quite a few LA stations.

OCEAN ISLAND—VR4AD has been transferred to Ocean Island from Solomon Island and is probably now on the air with a VR1 call, although we do not know as yet what the call is.

PHILIPPINES—"KA1FH in Manila has one of the most attractive and unusual QSL cards I've yet seen," writes Jack Wells. "It is in the shape of a parallelogram, picturing a native sailboat with the call in white letters on the sail. Colors are green, blue, and red."

KA1CS, KA1AP, and KA1LZ have been logged recently. We've written optimistically to 1CS, 1FH, 1HR, and even to 1ME who is supposed to QSL, have sent enough postage, but still have been unable to get the KA boys to QSL. Maybe we haven't used the right approach since we understand that many of them DO QSL. KA1HR's new QTH: Major Simpson, Ft. McKinley, Rizal.

ROUMANIA—YR5VV has been logged clear up on 14.400 mags., right on the edge of the 14-megacycle phone band.

SAMOA—KH6KKR may be logged on 14.350 mags., and we think he probably is on CW.

SOUTH AFRICA—As we stated earlier, these stations may now be closed. They have been logged nicely on 10 meters, especially 5BZ, 5Q, 6DY, 6FD, 6W, 5T, 4AA, and 2AH. ZS6EG, ZSL, and 5BE were logged on 20 phone. ZSIDE is on CW but it would be nice to get that card. The station is operated by an XYL, Mrs. E. Burger, 115 Main Ave., De Aar.

SPAIN—At last, Jack Wells furnishes us with the QRA of EA7BA, who verifies with a plain QSL with blue letters. It is: Jose Maria Gil Guerra, Sagastas Num. 33, Cadiz, Spain.

SWEDEN—Here are three SM stations pounding through: SM7NU, 14.050 mags.; SM6WE, 14.260 mags.; and SM6VX, 14.095.

UGANDA—The QRA of VQ5WES, heard on 20 meters, is Box 81, Kampala, Uganda.

VATICAN CITY—The first ham ever logged in this small territory in the heart of Rome is HV1A on about 14.000 mags.

That's all the news we have this month, but with the bands opening up we should have more next issue. May be again remind all of you to send in your reports? They will be welcome.

CHATTER: Merton T. Meade, Kansas City, keeps a list of those stations who QSL for SWL's and also a list of those who don't and who are indifferent. . . . but he has no reports on whether our ZE1X does or does not QSL. . . . Alton L. Caldwell, Jr., of Brockton, Mass. hears DX through a receiver using a 56 triode super-regenerative detector, 2A5 pentode audio amplifier, with about 180 volts on final plates. . . . W1ELL of Malden, Mass., has become a member of Radex Club (R1312). He operates on 3.5 and 7-meg. CW mostly and always QSL's for SWL's and hams. His name is Lester Balcom. Welcome to our midst, Les. . . . Radex converted Robert Atwood, of Washington, D. C., from an occasional DXer into an ardent fan. He's Member R1355 now. His log stands at 24 countries on 20 meter phone. . . . Carl E. Sylvester, R36, uses a 6-tube Zenith with a 145-ft. inverted L antenna to log his DX. . . . George Poulain has almost despaired of getting QSL's from U1BW and 11TKM. . . . Cliff Tavener is strictly an amateur band listener and has VAC six times with 53 countries verified on 20 meters.

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## CUBAN CHANGES

Some very recent changes in broadcasting station data have been forwarded to us by Wm. Cunningham of Pasadena, Calif. These changes do not appear in this month's indices, nor in the Month's Changes column as they were received after those sections had been prepared. All these changes are official.

New Stations—CMAR, Pinar del Rio, 1400 kcs., 200 watts. CMKY, Santiago, 960 kcs., 5 kw. CMZ, Havana, Constitutional Army, 920 kcs., 5 kw. New one kilowatt stations with no call letters assigned are under construction in Santa Clara (570 kcs), Jovellanos (670 kcs), Camaguey (710 kcs), Victoria Tunas (730 kcs), Guantanamo (740 kcs), Ciego de Avila (870 kcs), Pinar del Rio (990 kcs), Santiago (1030 kcs), Matanzas (1040 kcs), and Holguin (1150 kcs).

Changes—CMKX has moved to Banes. CMGH to 710 kcs. CMHO to 1020 kcs. CMJX to 660 kcs. CMJI to 1130 kcs. CMJK, to 1020 kcs. CMKW to 1030 kcs with 1 kw. CMKG to 1000 kcs with 10 kw. CMW to 2500 watts. CMBC and CMBL to 5 kw.

## Club Notes

The DXers International Exchange Club features in their monthly bulletin "QSA5", a popular article, "Country of the Month" which includes all the shortwave stations in one particular country, giving call letters, frequencies, location, schedules, slogans and other data, designed to be helpful to listeners. A sample copy of "QSA5" may be secured from DXIEC headquarters at P. O. Box 808, Dryden, Washington.

The All Wave Club of Lancaster, Calif., publishes a monthly bulletin, "The All Wave DXer," a sample copy of which may be obtained for a nickel from David Herbert, Jr., Box 709, Lancaster, California.

## Letter From a Night Owl

Joe Becker, Sr.,  
Hamilton, Ohio

Here is a description of the old Hamilton Night Owl and some of my DX activities.

The first station I ever wrote to was WFDV in Rome, Ga., in the latter part of February 1930. The manager of the station wrote me such a nice letter of verification that I became much interested in DX. Since that time I have heard 1244 stations on the broadcast band and I have 1234 of these verified from all parts of the world. I have 108 Canadians, 70 Cubans, 58 Mexicans, 11 South Americans and 26 other countries verified. I rarely miss a morning in which I fail to get up at 2:30 am to DX.

My greatest thrill was in logging TJW, at that time a 7½ watter, in Hamilton, Bermuda. Other DX thrills were CMBR, 15 watts, in Havana, Cuba, and CKMO, a 50 watter in British Columbia.

With radio station and SWL cards I must have a total of over 5000 now, and I would not part with any of them as they represent a lot of patience, perseverance and persistence.

Since December of 1934, I have heard WPAX in Thomasville, Ga., on 54 of their frequency checks, and I have also sent WGAU in Athens, Ga., 26 reports on consecutive Sunday morning programs. I have heard selections dedicated to me from over 250 different radio stations.

My DX motto is "Hear America First," and it is a fact that I would rather hear a new call in the USA than an Aussie or a Zedder. In fact, I get up too late to hear the trans-Atlantic stations, and go back to bed too early to hear the trans-Pacific. I usually DX from 2:30 am until 4:05 am.

I use an 8 tube Atwater Kent with an aerial 90 feet long, 35 feet high, pointing east and west.

In my opinion, DXing is the King of Hobbies, and the Hobby of Kings.

## ACROSS the EDITOR'S DESK

Readers are requested to mention the make of radio, the number of tubes used, and the type of aerial when sending reports. This information greatly increases the value of reports appearing in RADEX.

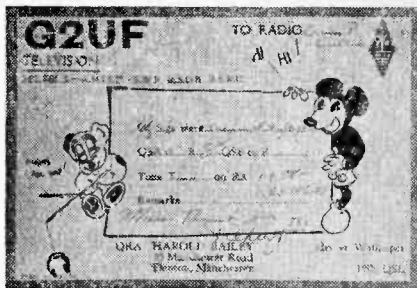
Dr. Harlan T. Stetson of the Massachusetts Institute of Technology has found that the moon's phases influence reception of radio signals. His investigations disclose that radio signals are at their peak three days before the full moon. For Dxers who are interested, the moon's phases during December will be: Last Quarter, 3rd. New Moon, 10th; First Quarter, 18th; Full Moon, 26th.

Radio stations, like a great many other things, come and go. Usually with very little advance notice, a new station's demise comes quickly with little warning. Outstanding exception to this general course of events, however, is the announcement of a new station for New York City, which will replace WPG and WBIL.

For at least a couple years, perhaps longer, there has been talk of a new station on 1100 kilocycles which will operate full time, absorbing the time of WPG and WBIL. There was some talk that the Columbia Broadcasting System was seeking a second outlet for the New York Area and full time facilities could be obtained only through the deletion of the present part time stations on 1100. The new licensee, however, is the Greater New York Broadcasting Corporation. The station will employ 5000 watts power, full time, and WPG-WBIL will continue operating, of course, until the new station is ready to take the air. In addition to the two stations which share time on 1100, station WOV on 1130 will also cease operating when the new station is ready.

Moral—Get your WPG, WBIL and WOV verifications early, if you do not already have them.

For nearly an entire season, we listed a station WHAL in Saginaw,



*Mickey Mouse peeps around the corner of the dope chart in the QSL of Harold Bailey, of Denton, Manchester. A little bear is "fishing for you."*

Michigan on 950 kilocycles. This station was granted a construction permit but the construction failed to materialize and WHAL's application was retired, by the FCC, to the hearing docket on December 15, 1938. Now we are pleased to announce that the licensees have been granted another permit for the same facilities, 950 kilocycles, 500 watts power, daytime only. The licensees are Gross and Shields. Our guess is that the call letters WHAL will be re-issued.

Saginaw, lacking a radio station of her own all these years, now gets her stations in bunches. In addition to the reinstatement of WHAL, another new station has been granted a construction permit, to operate on 1200 kcs, 100 watts nights, 250 watts daytime, with specified hours of operation.

The Ford Sunday Evening Hour has gone Mexican. Authority has been granted to the Columbia Broadcasting System to transmit this program from Detroit, through KTSA in San Antonio, to the following Mexican broadcasters: XEQ and XEQQ in Mexico City; XET and XETT in Monterrey; XECZ in San Luis Potosi; XES in Tampico; XED and XEDD in Guadalajara; XEU in Veracruz; and XEME in Merida. We have often wondered why Mexico was

not represented on our major networks. Some network programs are now broadcast regularly from Canadian, Hawaiian and Cuban stations, and perhaps this Ford program heralds the beginning of regular network broadcasts from this country over the Mexican stations.

There was a time, not so long ago, when the Daventry stations were the only major shortwave stations of the world which did not have foreign language announcements. Only very recently, they started using Arabic, Spanish and Portuguese, but since September 3, the Daventry foreign language list looks almost as long as the Moscow lists used to look. To serve the "citizens of the Empire," Daventry now employs Afrikaans, Arabic, Czech, French, German, Greek, Italian, Magyar, Polish, Portuguese, Romanian, Serbo-Croat and Spanish.

No doubt most of our readers are familiar with the regulation which prohibits the divulgence of any private message heard from a radio station. This rule applies to point-to-point stations, which are stations licensed to work with certain other specified stations, and most of the messages they handle are privately addressed correspondence. This means that telegrams or radiograms broadcast from one radio station to another, regardless of where the stations are located, are private matter, the exclusive property of the sender and the receiver. In most countries radio listeners are forbidden to listen to such stations; in this country, we can listen if we wish, but we cannot divulge anything we hear. The rule also applies to the trans-Atlantic and trans-Pacific telephone stations or any other telephone stations, or ship-to-shore or shore-to-ship stations. Furthermore, broadcast material transmitted by commercial stations for pick up and re-broadcast from some remote point, are "private correspondence." An example of material of this sort would be NBC or CBS pro-

grams broadcast by a commercial station in California for pick-up and re-broadcast over NBC or CBS affiliates in Hawaii.

A radio station in New York forgot this rather important international regulation recently, and divulged the contents of some English and German broadcasts of "secret orders" to their warships, as a result of which the station was given five days in which to show cause why their license should not be revoked. Since the circumstances were rather unusual the station has been allowed to continue broadcasting, but they came as close to deletion as it is possible for a station to come without actually being deleted, and received one of the stiffest reprimands ever handed down by the FCC.

Moral—Listen if you wish, but don't tell what you hear.

It looks like our west coast editor started something when he asked the boys and girls which was the smallest city having a radio station. Many answers have come in, hardly any of them being in agreement. Rud Anderson says that if the new station is granted for Ely, Nevada, that Ely will easily run off with the honor. There seems to be no doubt, however, that Paterson, N. J., is the largest city without a station. Being situated right in the New York City area, and surrounded by the transmitters of New York stations, it is doubtful if Paterson will have a station of its own. The closest station to Paterson is WABC, which is in Wayne Township, New Jersey, right in Paterson's back yard. Not far away, visible from the hills to west of Paterson, are WBIL, in Kearney, WINS in Carlstadt, WNEW in Carlstadt, WOV in Secaucus.

Regardless of what part of the country you live in, you can hear foreign stations on the broadcast band of your radio set, if, of course, your set is operating at peak efficiency and is provided with a very good aerial. If you live on the west coast, you may

find some Japanese or Australian stations easier to hear than some of our own eastern stations. If you live in the east, you may find Hawaiian stations easier to log than some of the middle western or western stations. If you have not yet tried long distance broadcast band reception, read Ray La Rocque's and Anthony Tarr's columns in this issue of RADEX, then give your dials a twirl, and let us know what you get. Remember, though, "If at first you don't succeed, try, try again."



The Radex Club now numbers 1361 members, in all the states except Nevada, and in 27 countries. The states shown in solid black on the map at the head of this column have at least five members, while the blank states (except Nevada) have two, three or four members.

The Radex Club has members in every state except Nevada. Following is a list of the first member enrolled in each of the states, with a few territories also included.

Alabama, Allen A. Johnson, Birmingham  
 Alaska, L. Frank Nash, Fairbanks  
 Arizona, John A. Ranta, Bisbee  
 Arkansas, W. H. Miller, Little Rock  
 California, Norman Kinsley, Hermosa Beach  
 Colorado, R. J. Kavalec, Denver  
 Connecticut, Fred Burleigh, Meriden  
 Delaware, Harry Shreffler, Wilmington  
 District of Columbia, Charles S. Greenwood, Washington

Florida, Fred L. Hinkley, St. Petersburg  
 Georgia, Roy H. Duggan, Sandersville  
 Hawaii, A. R. Tinker, Honolulu  
 Idaho, Roy Smith, Craigmont  
 Illinois, Donald S. Barnes, Chicago  
 Indiana, James R. Thomas, Indianapolis  
 Iowa, S. H. Lawrence, Anamosa  
 Kansas, W. F. Stober, Neodesha  
 Kentucky, Leroy Sleeper, Fort Knox  
 Louisiana, Lorin L. Bedell, New Orleans  
 Maine, D. T. Willard, Portland  
 Maryland, C. M. Falconer, Baltimore  
 Massachusetts, Charles Leboeuf, Webster  
 Michigan, Carl E. Sylvester, Columbiaville  
 Minnesota, F. M. Fiske, St. Paul  
 Mississippi, D. W. Mosby, Columbus  
 Missouri, Walter V. Scholz II, Webster Groves  
 Montana, John Picard, Butte  
 Nebraska, Donald Hill, Broken Bow  
 Nevada, Who will it be?  
 New Hampshire, Harry Hawkins, Manchester  
 New Jersey, Mrs. F. W. Reitz, Neptune  
 New Mexico, H. B. Custer, Animas  
 New York, W. M. Pettis, Ardsley-on-Hudson  
 North Carolina, Howard Marmon, Pineola  
 North Dakota, O. Ingmar Oleson, Ambrose  
 Ohio, Theodore Johnson, Youngstown  
 Oklahoma, F. B. Long, Tulsa  
 Oregon, M. Kasper, Portland  
 Pennsylvania, A. M. Hankins, Latrobe  
 Philippines, Benton Holmes, Bacalod  
 Rhode Island, Robert Orpen, Providence  
 South Carolina, Dr. F. H. Pollard, Clemson College  
 South Dakota, Ebert Berg Baltic  
 Tennessee, Ray Likeley, Memphis  
 Texas, Sam Graham, Panhandle  
 Utah, Sgt. A. W. Brummond, Ft. Douglas

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Vermont, C. M. King, Island Pond  
 Virginia, Richard F. Harrison, Belvoir  
 Washington, Cecilia Huntoon, Wenatchee

West Virginia, Wm. J. Beury, Algoma  
 Wisconsin, Paul L. King, Madison  
 Wyoming, D. H. Shottliff, Cheyenne

Membership in the Radex Club is available to anyone who is interested in DXing. There is no charge, and no obligation. Whether you are a subscriber or a newsstand reader, you can become a member of this club simply by making application on a postal card.


**VIRGINIA**—The newest Chapter is The Virginia Chapter of The Radex Club, formed by Harold Tear and seven other members living in The Old Dominion. The aims of the Chapter, as outlined by Mr. Tear, are, To better acquaint Virginia members; To exchange tips and DX news among Virginia members; To conduct a DX Contest for Virginia DXers and to find out the Champion Dial Twister of The Old Dominion, to whom a prize will be given; No dues will be charged by this Chap-

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ter; And to arrange a time and place convenient for members to meet and talk shop, to have a banquet, and to visit the radio stations.

This comprehensive program should appeal to all DXers living in Virginia, and Mr. Tear, we are sure, will welcome letters from anyone in his state who wishes to become a member. The address is Harold Tear, 1317 Thomas Ave., Roanoke, Va.

The Virginia Chapter issues a bulletin called "The Vertical Radiator," full of DX news of interest to all Virginia DXers. Issued once a month now, but will soon become a bi-monthly.

Watch the DX Calendar for dates of chapter meetings, and if you live near one of the chapters, attend a meeting and meet your fellow DXers.

**NOTICE**—The advertisement on this page is printed upside down at the request of the advertiser.

**TIME CONVERTER**

The RADEX Map of the World with Time Converting Dial is the most useful accessory any radio fan could have around. Just a twirl of the dial shows the correct time at any location in the world. No calculation is necessary; the dial does all the work. The price is only **25c**

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**The Radex Publishing Co., 362 Cedar Lane, Teaneck, N. J.**

# DXer's Picture Gallery

|                                    |                   |
|------------------------------------|-------------------|
| <b>2 - L N O - 2</b>               |                   |
| <b>LISTENING NITE OWL</b>          |                   |
| I'll My Friend                     |                   |
| Name                               | Mod. U. W. K. Cal |
| Radio                              |                   |
| on                                 | Mar. 1935         |
| U. S. No. QMA                      | 2                 |
| Dist.                              | W. S.             |
| Term                               | One               |
| Age                                | 24                |
| Rank                               | 1st Class         |
| OFFICIAL                           |                   |
| <b>ANGELO M. ROSA</b>              |                   |
| 710 EAST 53RD STREET NEW YORK CITY |                   |

The SWL card of the month is this one from Angelo Rosa of New York City. It is printed on a blue card, in raised letters in brownish, plum-colored ink.



A DXer since 1920, and an amateur SWL since 1935 is the record of George Eder of Philadelphia, amateur editor of the WDXA and GCDXC. George has heard 79 countries, heard all continents and heard all states. Four of his VAC plaques are shown in the picture, above the map.



Radex Club members. From left to right are the editor of RADEX, Robert Blanchard of Brooklyn, Merlin Steen of Decatur, Iowa, and John DeRosa of Brooklyn.



For ten years Wm. O'Connell of Torrington, Conn. has been a DXer. He has heard 800 broadcast band stations on 5 continents, and has verified all continents on 20 meter amateur phone. His six VAC plaques from The Radex Club are shown in the frame above his receiver.



The new General Electric frequency modulated receiver.



## FREQUENCY - MODULATION RADIO RECEIVERS PRESENTED BY GENERAL ELECTRIC

The first frequency modulation radio receivers designed for sale to the public have been announced by the General Electric radio and television department, Bridgeport, Conn., and are now being shown in New York and New England, only sections of the country to date in which there are transmitters and broadcasting stations utilizing the new system developed by Major E. H. Armstrong. Three models are now available, two of them equipped to receive only frequency modulation broadcasts, and a third which also combines three-band radio reception of the conventional type.

Outstanding characteristic of the new receivers, so far as the public is concerned, is their ability to recreate music and voice to an astonishingly lifelike degree, with an almost complete absence of static and interference. The individual instruments of a symphony orchestra which ordinarily defy reproduction, such as the tambourine, cymbal, and triangle, can be made to emerge with clarity. G-E engineers have been engaged in the development of frequency modulation receivers for the public for more than two years, and the ones just announced have undergone rigid testing.

The new model HM-136 makes available standard American broadcasts, foreign and domestic short-wave stations, and those transmitters of the frequency modulation type now in operation. A television audio and phonograph key automatically permits the listener to enjoy television sound programs and can be used in conjunction with a television picture receiver, thus tying-in the other major development of the year in a single instrument. Eleven feathertouch tuning keys are provided for standard broadcast stations.

The tuning range of this receiver, for frequency modulation, is 39 to 44 megs.; for short-wave, 7500 to 22,000 kcs.; for police-amateur, 2400 to 7500 kcs., and for standard broadcasts, 540 to 1600 kcs. Additional features are a multi-vision sliderule dial, flood-lighted station finder, drift-proof station setting, tone monitor circuit, automatic tone compensation and volume control. It has 20 watts output, uses 13 tubes.

The models HM-80 and HM-85, a table model and console respectively, make available only frequency modulation reception and have identical chassis construction, although with different cabinets. A four-position tone selector, 6½-inch dynapower speaker, and other features such as the sliderule dial and tone monitor circuit are included. Eight tubes are employed in these sets, which have five watts output. They are equipped with terminal connections to a public address system, and have television audio or phonograph control.

There are currently three broadcasting stations operating on the frequently modulation system—two in New England and Major Armstrong's original transmitter at Alpine, N. J., near New York City. This fact temporarily limits the markets in which frequency modulation receivers can be sold, as in the case of television. The transmitters have a range of approximately a hundred miles, or twice that of television transmitters

of equal power. The Alpine station, in the New York metropolitan area, rebroadcasts the radio programs of WQXR at the present time. Daily half-hour programs are broadcast every hour on the hour, from 11 A.M. to 4 P.M., and after 4 P.M. the program is continuous until 11 P.M.

In the conventional system of radio broadcasting, the sound is impressed on the radio frequency—commonly called the carrier frequency—by a system of modulation called "amplitude modulation." The carrier wave is varied in intensity in conformity with the sound made in the broadcast studio. There are certain practical limitations, according to Dr. W. R. G. Baker, manager of the G-E radio and television department, which prevent the transmission of true high fidelity programs, or programs covering an audio frequency range up to 15,000 cycles. Radio broadcasting has always been troubled by static, both natural and man-made. The system of broadcasting developed by Major Armstrong maintains the amplitude constant and varies the frequency, hence the name "frequency modulation." The system has several outstanding advantages. It permits greatly increased coverage for equal power and frequency, as compared to the conventional method. It makes possible the transmission of actual high fidelity programs. It greatly reduces, and under certain conditions, eliminates both kinds of static, by reducing the noise level. This reduction in noise level is essentially the reason for greater coverage of the transmitter, since it permits the receiver to operate on very weak signals. With the present type of broadcasting, these signals would be covered up by noise, or static.

To be of practical use, frequency modulation must operate in the high frequency bands, which approaches the frequency used for television. Similar difficulties are therefore encountered. The band width of the frequency modulation channel should be from 60,000 to 80,000 cycles as compared to 10,000 cycles for amplitude systems now in use. Present transmitters, designed for amplitude modulation, cannot be used with frequency modulation, nor can the present conventional receivers be so used. It is possible, however, to design receivers capable of receiving both types, which is what General Electric engineers have done in the present instance.

### "This Hobby Called DXing"

An outline of the Art of Tuning and an explanation of all the things that perplex the new DXer, was given in an article called "This Hobby Called DXing," which appeared in the January, 1939, issue of RADEX. All radio fans who wish to know how and what to write to radio stations, how to get verifications, how to hear distance, and who wish to understand the codes, prefixes and abbreviations used in DXing, should obtain this issue of RADEX. It is still available at the regular price of 25c per copy.

# ON THE WEST COAST

By ANTHONY C. TARR

First of all our thanks to the many Radexers who have written in this month. For some it was their first letter to a radio magazine. Others have been regular reporters for years. All are equally welcome and, although we cannot publish all reports in their entirety, we do read and appreciate them all, using as much as possible in keeping with the purpose of this column—which is to present the highlights of current radio reception on all hands concisely and in a manner that will enable our readers to gain the utmost enjoyment from their radios. May we also extend hearty Christmas Greetings to each and every one who reads these lines, and may the New Year bring ever increasing happiness.

## SO THEY WON'T ANSWER?

Much has been written pro and con regarding the QSLing habits of amateurs, mostly complaints that cards have not been forthcoming, and many lists of so-called "non-QSLers" have appeared in club bulletins. It possibly had not occurred to us that the SWLs themselves might be more largely at fault than perhaps they realize, but this was brought forcibly to our attention by the following letter from Hal B. Clein, Los Angeles, and is well worth reading and remembering:

"I think a slight injustice has been done VU2JK in your October column. I was fortunate enough to hear VU2JK one morning several years ago, with fine signals, and I was able to copy him for almost an hour. Now VU2JK replied to my letter via airmail and registered the same. He returned my IRC and enclosed what is my most attractive amateur QSL card. Since that time I have received several lengthy letters from him and

**Reporters in the Mountain Standard and Pacific Standard Time Zones may send their reports direct to**  
**Anthony C. Tarr**  
**909 W. Lee Street, Seattle, Washington**

I know he has gone to quite a bit of trouble and expense to print a special veri card for SWLs. This card shows a picture of a stalking Bengal

Tiger and is really a beauty. VU2JK states that he is always happy to send a card and confirm the reception of any SWL that hears him and encloses postage, but he does insist that a letter report be sent, for he will absolutely not accept, or even bother to read, one of these two or three line SWL cards, even when enclosed in an envelope with IRC. I know four persons] who have established definite proof of reception from VU2JK and in each case a card was forthcoming via airmail. Of course, the SWL card serves its purpose, I suppose, and I also use one, but I always send at least a one-page letter with proof of reception, conditions, etc., besides the card. There are several hams such as GI2CC, VQ2HC, etc., who have written me and said it was a relief to get a report lengthy enough to really establish reception proof and all of these have replied promptly. I have taken a club's list of non-QSLers, including the elusive EI2L, and have scored 100% in every case. So the chaps who have been writing and complaining about such fine ops as VU2JK should try sending in a good accurate report for a change and I'll bet their luck would change—plenty!"

Well, Radexers, need we say more?

## SHORTWAVE BROADCAST

### China

XPSA, 7010 kc, heard with news in English 6-6:15 am. Signal R8 at times. (Fisher, R 1298).

XGOY was bombed early in September and programs directed to North America now emanate from XGX, Yunnan, on 17800 kc from 6-

7:40 pm, with English news at 6:50.  
(IDA)

### French Indo-China

"Radio Saigon", 11780 kc, has instituted a new program especially directed to North America listeners. Very strong signals are reported here between 7:15 and 8 am. A lady announcer requests reports be addressed to P. O. Box 412, Saigon. (Sawada, Clein).

### Italy

2RO4, 11810 kc, very strong in late afternoons with English announcements. (Fisher, Park).

### Japan

JZI 9535 kc is now used for the overseas program 9-10:30 pm instead of JZK 15160. (Sawada).

JZI, 11800 kc, heard at 5:30 am with a French program. (Ronk).

### Java

YDA, 3040 kc, heard well between 3:30-7:30 am. (Fern, R211 TH2).

PMH, 6710 kc, with strong signal early mornings. (West, R673).

### Manchukuo

MTCY, 11775 kc, has three daily programs as follows: No. 1, 1-1:50 pm for Europe; No. 2, 10:30-11:30 pm for Western North America; No. 3, 6:50-7:55 am for China and Australia. Transmissions 2 and 3 have been reported in the West Coast. Address: Short Wave System, Central Broadcasting Corp., Hsingking, Manchukuo. (West, R673; Park; Sawada).

### Mexico

XEQQ 6035 kc heard signing off at 9:40 pm with Ravel's "Bolero" and announcements in Spanish and English. (Fern R211 TH2).

### Philippines

KZRF, 6140, and KZRH, 6100, are being heard very well around 3 am. (West, R673; Park).

KZIB, 9492, and 6040 kc, now operate daily 6-10 am. A three-note chime is heard hourly. (IDA).



*One of the best of the Japanese amateur stations is J7CR, represented by this attractive three-color card. (Courtesy of Carl Horton).*

### Thai

HC8PJ, 9510 kc, heard clearly until 7 am, usually on Thursdays but sometimes other days of the week as well. (Park).

### U.S.A.

W4XA, 26150 kc, heard strongly daytimes. (West, R673). (Let's have some more ultra-high reports for this column, Radexers!)

### Yugoslavia

Belgrade, YUC, 9510 kc, heard signing on at 8 am. (Park). Also heard on 11740 kc (call undetermined) 5:30-6:10 pm. (Park; Clein). YUG broadcasts on 15240 kc from 4:50 to 6 pm. (IDA). Was logged on that frequency at times stated. (Clein).

### BROADCAST BAND

Reports of daytime DX on the Pacific Coast have not been frequent and one sent in by Art Child is the best we've yet seen. Located, at the time of this reception, in a CCC camp at Bray, California, he picked up no less than 64 stations at high noon consistently the most distant being CBK, 1035 miles from his receiver. He also reports intermittent reception from CMBF, CM9RT and CMBH. Space will not permit reproduction of Mr. Child's entire log, but here is the recap: California, 27 stations; Washington, 12; Oregon, 9; Utah, 4; Idaho, 3; Mexico, 3; Mon-

tana, 2; Canada, 2; Nevada and Colorado, one each.

**Melvin Fisher, Oakland, Calif.:** "I have heard KTKC, Visalia; signing on at 6 am on their new frequency of 890 kc, with 1000 watts. They announced both in English and Spanish. XEMO heard on 860 and XELO on 670 kc. Other stations logged are CBK, KOAC, KGW, KIRO, KSEI, KJR, CBR, KEX, KVEC, KTMS, KGB, KELA, KGA, WDJM, KOY, CFRC, and KWJJ. Also picked up a television broadcast from W6XAO, Hollywood, on 1440 kc at 8 pm. It was announced as an "experimental telecast." They said they would soon move their transmitter to Mt. Lee and expected to cover a 60 mile radius."

**Clarence L. Mustoe, Brady, Mont.:** "I started DXing last December and by May had received about 200 veries. I also logged about 100 more. My best verified are KGMB, KQV, WBZ, WBT, WWVA, WTJC, WSP, WMBR, WQBC, WCAU, WAML, WMP5."

**Thos. C. Roberts, Casper, Wyo.:** "KVOD are now broadcasting on their new frequency of 630 kcs. I first heard them there on Sept. 24. They come through much better now than they did formerly on 920—too good for me to now hear either KGBF or KFRU. The new CBR is a daytime station here. XEJ, 1020 kc, was logged R6."

**D. C. Morrison, Berkeley, Calif.:** "The TPs are showing much better signal strength, with JOAK2 on 870 and 1YA on 650 kc being heard R8 at one time. New stations logged here since Sept. 1 include CKCK, CMQ, KDYL, 1YA, KOAC, WSM, WGN, and XEP. Japanese stations have been good, stations using Oriental language having been heard on the following frequencies, listed in order of decreasing quality of reception: 870, 590, 810, 770, 690, 830, 940, and 990 kcs. KFJZ, 1240 kc, is now heard all night, averaging about R5. They

announce as a 24-hour station. XECL is now using 1110 kc. They were heard on his frequency and announced as such. This makes them free from CBR's interference on 1100 kc. XECL signs off at midnight and returns at 6:30 am. The big four in New Zealand are usually heard regularly, being best about 2:30 am. Listed in order of decreasing reception quality: 3YA, 1YA, 2YA, 4YA. Ausies have been heard on 670, 630, 620, 610, 700, 740, 1230, 1220, 780, 710 and other frequencies, but so far these have not been clear enough to log. KVAN, the new Vancouver, Wash. station, was heard testing about 3 am on October 14 and 15. They announced "testing quality and equipment. Soon to be on regular daytime schedule with programs consisting mostly of music." On the second Saturdays of July and October, KRLC was heard 3-3:15 am during frequency cheks instead of 3:55-4:10 am as scheduled.

**Hal B. Clein, Los Angeles, Calif.:** "We recently moved and, since short-wave reception is so noisy here, I have tried my hand at a bit of BCB listening. During two weeks of hit-and-miss tuning, my log stands at: CBK, KOAC, KSFO, KMJ, KHQ, KFRC, KTAR, KPO, WLW, KGU, KXA, KGO, KOA, KXL, WHO, KQW, WBT, CBR, KSL, KVOO, KOB, WOAI, KFXM, KLS, KDYL, KHUB."

**F. W. Abbott, Los Angeles Calif.:** "KECA is on 780 instead of 1430 as listed." The change has been made in RADEX lists. KECA on 1430 has been deleted and KEHE on 780 changed call to KECA.

**Robert C. Morris, Arcadia, Calif.:** "You asked for the signatures of persons who sign verifications, so I am sending a list of such:

CMQ, Migual Gabriel, Administrator Gerente

XEAC, F. Gudoth, Manager

XEMO, Fred Ferrerira, Chief Engineer

KVOA, Gil Mayneir Program Director

KOY, E. E. Alden

KSL, E. G. Pack, Chief Engineer

CFCN, E. Marshall

KIDO, Kate Scotland, Librarian

KSAN, Wm. C. Grove, Chief Engineer

E. M. Ringle, Vancouver, Wash.: "Station KVAN in this city began operating on October 22, 1939, with studios in the Evergreen Hotel at 5th and Main, and with the transmitter situated at 2915 Fruit Valley Road.

Mrs. L. E. Grannis, Eureka, Calif.: "I notice CBK, Watrous, Sask. is listed as there being no information on it. I wrote them for a verification and received a very nice letter signed by R. D. Cahoon, Western Regional Director."

Samuel A. Meyer Jr. On a recent trip through Mexico, Mr Meyer gained a wealth of information concerning the stations in our neighboring country to the south. New stations are as follows: XESM, 1270 kc, 100 watts, Mexico, D. F. XEQK, 1500 kc, 100 watts, Mexico, D. F. XECW, 1240 kc, 250 watts, Avenida 1, No. 50, Cordoba, Veracruz, (Will verify DX reports). XEBJ, 1340 kc, 100 watts, Apartado 28, Ciudad Victoria, Tamaulipas. (Will verify DX reports). XERC changed frequency from 870 to 830 kc. Stations deleted are XEAL, 660 kc, XEXD, 1340 kc. A new transmitter is being built for XEK, 990 kc, to have 500 watts. Another frequency change is XEH, Monterrey, who is now broadcasting daily on 740 kc. instead of 720 kc.

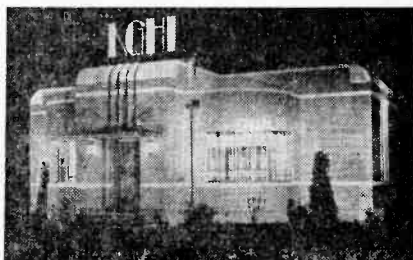
Australian station 6TZ, 1340 kc, 500 watts, located at Dardanup, W. A. should be testing soon. (IDA).

Wm. Cunningham, Pasadena, Calif.: "Following is some official data on the Mexican stations:

720 XEWE Silao, Gto., 20 w., Jesus Gonzales A.

- 1150 XEXII Oaxaca, Oax., 400 w., State of Oax.
- 1160 XEFM Leon, Gto., 20 w., Sucs. R. Ortiz Gonzalez.
- 1230 XEHK Guadalajara, Jal., 125 w., Carmen Villa senior.
- 1230 XEAJ Navojoa, Son., 100 w., Emilio Manzanilla.
- 1240 XEBC Morelia, Micho., 100 w., Fernando Corona.
- 1240 XEAD Aguascalientes, Ags., 500 w., Alejandro Diaz.
- 1240 XEDL Navojoa, Son., 250 w., Francisco Vidal.
- 1260 XEXT Tepic, Nay., 1 kw., State of Nayarit.
- 1280 XEKR Mexico City, D. F., 100 w., Exposicion Viajera.
- 1310 XEAU Tijuana, B. Cia., 250 w., Manuel Acuna Varela.
- 1340 XELW Guadalajara, Jal., 250 w., Salvador Galindo de la Torre.
- 1400 XEDE Torreon, Coah., 100 w., Aurelio G. Zaragoza.
- 1400 XESM Mexico City, D. F., 200 w., Salvador San Martin.
- 1500 XEQK Mexico City, D. F., 400 w., Angel H. Ferreiro.

XEZ is going to 2 kw; XEB to 100 kw (at present using only 20 kw); XEBL to 500 w; XEAG to 100 w; XEAL and XEKL are deleted; XERC is out of the "Status undetermined" list but XEMX is in; Station XEFI is now owned by Ramiro G. Uranga; it is heard evenings using a higher power (might be 2 kw) on 1445, while XEFQ, judging from its signal, must have increased power. It is interesting to note that all the new Mexican stations are going on the new local ribbons of 1230, 1240, 1340, 1400, 1450 and 1490 kcs—these frequencies assigned by the Havana treaty for local stations in all the signatory powers. I think that XEAG might be operating on 1240



A photographic QSL card from KGHL broadcasting station in Billings, Montana. (Courtesy of Clarence Lee Mustoe).

kcs now. Stations XEFW, XETB, XEX and XEAU will probably all operate on 1310 kcs as regionals.

From Newfoundland comes the official news that VONF is operating with 10 kw; VOCM on 1000 kcs; VOWR on 680 kcs; VOAR is owned by the Seventh Day Adventists. These are the only stations listed so the others must be deleted."

Revisions: Kindly make the following corrections to previously published material: September RADEX: —(Page 11)—KIRO and KMPC both use the 710 channel until 1 am PST, and then KIRO is in the clear until sign off at 2 am. KFAC, not KALE, is the all-night station on 1300 kc. October RADEX: — (page 15) — KVNU frequency check is 6-6:15 am EST on the second Thursday, not Tuesday.

### RECEIVERS

It is always interesting to know the types of receivers used by other DXers. When sending in your reports, we'd appreciate this information. Hal B. Clein uses a Breting 14. Melvin Fisher in Oakland, a new DXer but among the most active, tunes a 7-tube Model 180XF Philco. Clarence L. Mustoe, in the wide open spaces of Montana, has a 75 ft. North-South antenna hooked to a 6-tube Westinghouse receiver. Another Philco owner is James D. Ronk, Eureka. He connects the ground to the antenna post of his Model 640 because of a noisy location. And Art Child, who sent in that fine list of daytime DX, has a 4-tube portable 1940 Zenith. His antenna is 225 feet long running East and West. Pardon us if we say, "We told you so," but we've always been an advocate of lengthy antennas for BCB DXing!

Who is the Aussie or Zedder being heard on 760 kc lately? Try for this one Sunday nights, when KXA signs off at midnight, because they block the channel until 3 am other nights. If 2FC has moved to 850 kc, as noted last month, and where the station call

was clearly heard, D. C. Morrison would like to know that TP he is hearing on their old frequency of 610 kc?

### THE REPORTERS

R211 TH2—C. J. Fern, Jr., Lihue, Hawaii.  
 R673: Victor West, San Rafael, Calif.  
 R986: Art Child, Bray, Calif.  
 R1139 Wyo. 4: Thos. C. Roberts, Casper, Wyo.  
 R1203: D. C. Morrison, Berkeley, Calif.  
 R1298: Melvin Fisher, Oakland, Calif.  
 James D. Ronk, Eureka, Calif.  
 Robert Park, Vancouver, B. C.  
 Bob Sawada, Isleton, Calif.  
 Harold B. Clein, Los Angeles, Calif.  
 Mrs. L. E. Grannis, Eureka, Calif.  
 Samuel A. Meyer, Jr., Laredo, Texas.  
 Robert C. Morris, Arcadia, Calif.  
 F. W. Abbott, Los Angeles, Calif.  
 Clarence L. Mustoe, Brady, Montana.

### NEWS OF WHAT'S NEW

With battery sets by the millions still in use throughout rural America, the race to bring electricity to farmers is rendering useless many good radios. Farsighted General Transformer Corporation felt pretty badly about this; decided to rescue the battery set from oblivion. Result was "Porta Power," a new tiny plug-in unit giving peppy "A," "B" and "C" power from house-lighting circuits to battery sets. New "Porta Pack" replaces batteries in small portable battery radios by sliding into empty compartment when receiver is used at home.

Multi-tube radios are fascinating, for, like giant locomotives they appear to possess untold power. E. H. Scott's big new "Philharmonic" has 30 tubes and unlimited range; 20-tube "Phantom" gives extreme DXing; and "Masterpiece's" 14 tubes are remarkably sensitive. Scott precision requires 3 weeks to build a radio, assures fine tone with world-wide reception. Sets may be found throughout 154 different countries in best company, but in America may be owned by anyone because of easy purchase terms.

# Radexing With The Radexers

By Ray La Roque

December and Midwinter are at hand! Early afternoon sunsets and long, dark, cold nights! What better time of the year can anyone want for DX? Inside a warm den, up in a drafty attic bundled in a warm robe and woolen socks, or in the basement in the little room beside the furnace, wherever your DX corner may be, now is the time of the year when there is fun in DXing. You may like your DX in the evening, when QRM is at its height, or you may be a real night owl and enjoy sitting up till the wee small hours of the night or you may be the type called the "early riser" who gets up before the milkman and watches the sun come up while sitting at the dials. Regardless of the group in which you may be classified it is hoped that there will be some news in this section to interest you. We want sincerely to cover every phase and angle of broadcast band DX in this department, but we must have the help of the readers, for suggestions and criticisms are the only means we have of knowing your reactions to our efforts.

Now for our monthly gab-session in which our readers reveal their successes and failings and endeavor to help their fellow Radexers in gaining more pleasure out of this increasingly pleasant game of ours called "Radexing!"

## COVERING THE CONTINENTS

### Domestic Dialings

**FORECAST:** You are now in the midst of the "DX season" and on your own. When atmospheric conditions permit you can and should dig up anything broadcasting in this country and Canada, that is, anything within the scope of your receiving equipment. In other words, December is the month when conditions should be ideal for domestic DX.

Komments from the "K" District: KCKN, our local, has boosted its

power from 100 watts to 250 watts during daytime hours. KSCJ has changed from CBS to NBC. (Gerald Harris, R739, Kans. 5)

KFJZ at Fort Worth, Texas is now heard on 1240 kcs. announcing at the "Twenty four hour station on your dial at 124." (George C. Canapp, Baltimore, Md.)

KNX verified my report last winter the same day as it was received by them. The station was monitored for about a week for signal consistency under various weather conditions. KLS verified last May. They issued a nice folder. Tower and call letters were in blue on one side. On the reverse, a photo of the radio village of Warner Brothers. (Ray Schaffar, Waterloo, Iowa)

KQV was heard on August 31. I sent them a report with 10 cents. About two weeks later I received their card like the one printed in RADEX. (Jack Fern—R1160, Clifton, N. J.)

KSL has resumed its weekly schedule of DX programs which programs will continue as last year, throughout the DX season. The programs will take place each Thursday morning from 2:45 to 3:00 a.m. over KSL—1130 kcs., 50000 watts in Salt Lake City, Utah. Listeners are welcomed to tune in this KSL program for DX news, tips, special features, as well as messages in Spatari. Mac Elwyn Van, KSL DX Program Staff, will appreciate letters and comments from listeners at any time. (RX)

"W's" in the East: WBIG operating on 1440 kcs. started broadcasting on their new transmitter on September 29. The station is now out of town. They are using a 340 ft. tower and a 5 kw. transmitter replacing the old 1 kw. station. They have all the latest equipment. A photo electric cell is used to cut the lights "on" on the tower. Reports are requested. (Homer Apple, Greensboro, N. C.)

WBLK, WGKV, and WING are new stations for the National Broadcasting Company. (Gerald Harris—R739, Kans. 5)

WBRK at Pittsfield, Mass., is called the "Voice of the Berkshires." It is heard on 1310 kcs. from 7 a.m. to 1 a.m. and now has 250 watts with unlimited time. (Gilbert L. Harris, North Adams, Mass.)

WCCO was heard with R9 signals on 1620 kcs. a few nights ago. A report was sent them. A letter from the chief engineer states that they were hooked to a temporary antenna while preparing a new vertical. The trouble was corrected as soon as the report arrived. (Ray Shaffar—R1092, Waterloo, Iowa)

WCKY on 1490 kcs. announces that it will soon become a CBS outlet. WBIG in a recent verification announces that in a few days they will begin operating through their new 5000 watt Westinghouse transmitter and they would appreciate it if reports were received on their signal. (Sidney Tellis, R1271, Philadelphia, Penna.)

WCNC on 1370 kcs. at Elizabeth City, N. C. heard testing on the weekend of Sept. 24. Reports were requested and verifications promised. I received a veri by return mail from Lewis Hiland, W9COX, Chief Engineer. WCNC uses an 175 ft. vertical antenna. Schedule is from 7 a.m. to 11 p.m. (Desmond Callan—R987, Readville, Mass.)

WEDC on 1210 kcs. with 100 watts at Chicago is now an all night station. They come on the air at midnight and broadcast until 6 a.m. They are on every night at the same time. (Fred Anderson, Sgt. U.S. Marine Corp., Chicago, Ill.)

WENY at Elmira, New York heard on 1200 kcs. The station will use 100 watts with unlimited time facilities. (Gilbert Harris—North Adams, Mass.)

WFAM and WSBT reports should be addressed to Al Todd or Paul Mangus, Rt. No. 2, Box 2, South Bend, Indiana. H. G. Cole is now not

connected with their verification department. . . . WCKY now uses 50000 watts. . . . WCCO studios are located in WCCO Bldg. and not in Hotel Nicolle. . . . WDGW now occupy the Hotel Nicolett. . . . WMT have been in the Paramount Building for two years. (Merlin N. Steen, Decorah, Iowa)

WFVA in Fredericksburg Va. on 1260 kcs. with 250 watts is now on the air. They were heard from 4-5:30 p.m. with R6 signal and excellent quality. (Harold Tear—R924, Roanoke, Va.)

WGBR in Goldboro, N.C., is now on the air on 1370 kcs. with 250 watts days and 100 watts night. Tower is 186 ft. in height. . . . WOPI in Bristol, Tenn., on 1500 kcs. has 250 watts now daytime and also at night. 220 ft. is the height of the vertical radiator. WOPI's schedule is from 7 a.m. to 10 p.m. Their frequency check is on the second Tuesday from 4:15 a.m. (Harold Tear—R924, Roanoke, Va.)

WHLS at Port Huron, Michigan is now using 250 watts. (Carl Sylvester—R36, Columbiaville, Mich.)

WJSV's new transmitter is nearing completion and its location is Wheaton, Maryland—about seven miles from Washington. Noticed that you didn't have schedule for WRC and WMAL. WRC signs off at midnight. (David Hill—R49, Washington, D.C.)

WJW's night time power has been increased to 250 watts the same as daytime. Hope this will blot out heterodyne whistle from WHBC, Canton, Ohio. Where I live, I am seven miles south of Akron on the Portage Lakes, evening reception is practically impossible on account of every station being QRM'd by from one to three stations on the same channel. (Dr. Dean Miller, Akron, Ohio)

WLNH at Laconia, N. H. is to make changes in equipment and to increase power to 250 watts unlimited time. They are heard on 1310 kcs. . . . The FCC has authorized the Tri-State Broadcasting Corp. to move



station WNBX from Springfield, Vt., to Keene, N. H. and operate on its present frequency of 1260 kcs. with a power of 1000 watts, unlimited time. (Gilbert Harris, North Adams, Mass.)

WRGA on 1500 kcs. was heard on a special program about 3:30 a.m. on October 29th. They were adjusting their transmitter and asking for reports. (Sidney Tellis—R1271, Philadelphia, Penna.)

WWSW's new 350 ft. tower is completed and will be in operation very soon. This new equipment, coupled with the recent jump in night power of WWSW, the station will add greatly to its present coverage. (Alfred Razzado)

**Bahama Islands:** ZNS on 790 kcs. knocks WGY out from 7:30-10:15 p.m. with an R4 signal. (Harold Tear, Roanoke, Va.)

**Canada:** CBA and CBK are both heard with good signals from 9-11 p.m. CKY is good after midnight. (Harold Tear—R924, Roanoke, Va.)

CFCT in a veri states: "At present we are using 500 watts power, with 100% modulation and a vertical antenna 180 ft. high and a salt water ground. Frequency is 1450 kcs. Our only DX broadcast now is from 3:30-5:00 a.m., but we expect to extend that with the advent of the DX season. Meanwhile, it's very unusual to hear from listeners in your vicinity (as a matter of fact, yours is the first). We are having veri cards made, so send us another report and get a new card." (Alfred Razzando, Fayette City, Pa.)

#### Latin America

**Argentina:** LR-1 heard above the QRM from 8-9 p.m. Other stations heard weakly behind heavy QRM. (Ray Schaffar, R1092, Waterloo, Iowa).

**Costa Rica:** TIPG on 620 kcs. with 5000 watts heard but the signal was very weak. (Harold Tear—R924, Roanoke, Va.)

**Cuba:** Cuban stations are heard very well. Logged so far in one evening CMBQ—910, CMX—880, CMCK

—970, CMCM—850 kcs. CMBQ is the strongest. (Richard Wright, Swarthmore, Pa.)

Cuban stations take the cake. Their quality could be better, but signals are tops in strength. CMQ, CMCK, CMK, CMCY, CMGH, CMBH, CMBD, CMBC, CMCL, CMCW, CMOA, CMOX, CMW, CMHD, CMJE, and others are heard almost nightly. (Harold Tear—R924, Roanoke, Va.)

CMBQ at Havana is on 900 kcs. and announces in English every fifteen minutes. (Desmond Callan—R987, Readville, Mass.)

CMHI was reported by myself as using 1000 watts. This was a mistake in reporting. It should have been 10000 watts. The station took the air on May 20th on 830 kcs. Soon after I picked it up at 2 a.m. testing with Spanish recordings. A report was sent at once, which was acknowledged by someone at the station with a form letter and a veri card. A few days later a personal letter was received from Armando Trinidad, the owner, stating that my report was so outstanding and the receiver so excellent that it was the first report from the U.S.A., and the best one received from any source. (Ray Schaffar, R1092, Waterloo, Iowa)

**Guatemala:** TGW on 1520 kcs. is heard with a good signal from 7-10 p.m. and is sometimes better than its shortwave outlets. TGW now uses 5000 watts. (Harold Tear, R924, Roanoke, Va., and Ray Schaffar, R1092, Waterloo, Iowa)

**Mexico:** XEDH on 1340 kcs. is testing in the early morning daily. They desire reports. Announcements are in Spanish and English. Each selection is announced and a souvenir is promised to those reporting. The station comes in here with R9 signal, and it sounds more like 5000 watts than its rated power of 200 watts. Address: XEDH, Villa Acuna, Coah., Mexico. . . . XEW seems to be R9 plus and always above the

QRM on 890 kcs. (Ray Schaffar, R1092, Waterloo, Iowa)

XENT now comes in with R9 signal every morning around 2 o'clock. (Sidney Tellis, R1271, Philadelphia, Pa.)

Peru: OAX4A on 854 kcs. with 10 kw. has the following address: Ave. Petit Thomas No. 447, Lima, Peru. (William Scott, Johnson City, Tenn.)

FORECAST: Latin American reception is ready and waiting for you almost any evening during this month. You'll find them battling some domestic station for supremacy on one of the many allegedly clear or regional United States channels.

### Tuning the TA's

FORECAST: December should bring about a peak in reception from Europe. The early morning hours from midnight till 2 or 3 a.m. are to be watched nightly for the nights when the TA's will break through. When one is heard, usually it is a favorable sign and the channels of other powerful TA's should be combed for more catches. Another good time to try for TA's is immediately at or a little before sundown and continuing until about 6-7 p.m. when most TA's sign off the air.

News from Europe is at a premium principally because those countries are more occupied with other tasks and haven't time for releasing DX news for radio publications. As no TA reception has been reported as yet we are unable to give you any actual reports on reception but if this is to be any DX season the Europeans are due to trickle into our loud-speaker any a.m. now and we'll see what we can gather in the way of reports for next month. Meanwhile if any Radxer succeeds in nabbing a TA before we do we'll appreciate a report and so will many other readers.

### TP Topics

FORECAST: TP reception is possible but not at its peak at this season. However if you're after DX

from Northern Asia such as from Russia or Japan, now is the time to try. But, we doubt very sincerely whether many of our Eastern DXers will log an overabundance of calls from this area. Australia and New Zealand stations will be better and more readily logged in late February, March and early April.

China: XGOA is on 1200 kcs. with 10 kw. antenna power. Address is: The Central Broadcasting Administration, Chunking, China. (William Scott, (Johnson City, Tenn.)

Hawaii: October has been very good for KHBC. Others heard a few weeks later. KGMB, KGU, and KHBC are all verified. KHBC came through all winter last season and lasted until June. Other Hawaiians faded out long before KHBC. (Ray Schaffar, Waterloo, Iowa)

Philippine Islands: The broadcast stations of the Philippines are as follows:

KZIB 900 kcs. I Beck, Inc. owners

KZRF 780 kcs. F. E. B. Co.

KZRH 1200 kcs. Radio Heacock

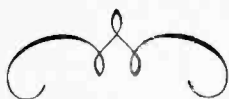
KZRM 618.5 kcs. Far Eastern Broadcast Co. (50 kw.)

All the stations are in Manila and the power of the three smaller stations is not known.

Before the next issue of RADEX will be able to reach many readers the holiday season will be upon us. May I your Eastern Editor extend my sincere wishes to very reader of RADEX for a happy and prosperous Christmas Season. Here's hoping good old Santa Claus has plenty of new receivers, equipment and DXer's supplies in his pack, ready for distribution among RADEX readers. And if you're at your dials on Christmas Eve, don't forget that plenty of Latin Americans will be on all night with special broadcasts at that time. PEACE ON EARTH AND GOOD DX TO EVERYONE!

# HIGH FREQUENCY GLOBE TROTTING

By Ray La Rocque



## Report-o-Meter

|                     |      |
|---------------------|------|
| M. F. Williams      | 100% |
| Alton Caldwell, Jr. | 92%  |
| Carl and Anne Eder  | 90%  |
| Joseph Cazeneuve    | 79%  |
| Gilbert L. Harris   | 77%  |



This month's meter is made up entirely of strangers. For each of this month's top five it is the first appearance of the season in the Report-o-Meter. And, as a glance at the results will show, the scoring was very close and one more good report by any one of the reporters would have changed the status of the whole meter. As for honorable mention, there is a wide gap between those who registered and the remaining reporters. The next ranking reporter would have a score of about 56%. Candidates for honorable mention are: Robert Skyten, James J. Holsema, Desmond Callan, C. Roman, Robert Blanchard, and Kyle C. Bonifield.

## ASK US ANOTHER

Harold Lund, R376, 633 East 19th, Erie, Penna. tells us that around 9:05 p.m. a station in Switzerland popped in on 19 meters. The program was especially for the United States and call letters were not understood due to interference. Travel and art in Switzerland was the subject of the talk by the broadcaster. Can anyone help Radexer Lund on this one? . . .

. . . Henry Bennett, 644 Atlantic Ave., Collingswood, N. J. pens, "A little note to Weston Richard of

Zion, Illinois who in October 1939 issue of RADEX asked location of WANC calling CQ-75 meters. I have the same station listed as being in Jamesport, state unknown. I also have WQIX and WAKNF listed as hams. WQIX said he was located in Queen City, N. J. Can anyone identify either of these stations?" Another reply to Weston Richards of Zion, Ill. This time from Edward Shirley (R615), Jamestown, N. Y. who says that the location of WANC is Jamestown, N. Y. It operates on 2726 kcs., is owned by the Emergency Unit. The address is Ira Lou Spring Post, No. 149, The American Legion, Jamestown, N. Y. WANC will verify all reports sent to them.

"I would like to know what station is heard on the high frequency side of W6XBE on about 15370 kcs. I usually hear them in the early afternoon till about 2:30 p.m. Music played is mostly Oriental." The preceding is from Joseph Cazeneuve, Montreal, Canada.

Kyle C. Bonifield (R1318) Asbury Park, New Jersey would like information on a station believed to be in Belgrade, Yugoslavia. It was heard from approximately 7:30 p.m. to 8:50 p.m. on 11731 kcs., on September 25. "I distinctly heard the words, Radio Belgrade," says R1318! (Known Belgrade calls are: YUA on 6100, YUC on 9505, and YUG on 15240 kcs—all announcing as "Radio Beograd." They are supposed to have available a frequency on the 25 meter band, though the call and exact frequency is not known to us. Evidently it was that unknown call that you heard—RL)

Carl Sylvester, Columbiaville, Michigan says, "Yesterday afternoon I heard a station that I could not identify. They were approximately on DJB's wavelength and used a foreign language from 3:30-3:45 p.m. giving news with no announcements in English. The voice was high-pitched and

the only words that I could make out were the names of various diplomats in the news. The gong sounded in between the various items of news. This is the first time that I have ever heard this station or at least that language."

..... Mystery for Gilbert L. Harris, North Adams, Mass. is the station heard near 15340 kcs. from noon the 12:25 p.m. with a program of odd music. .... A mystery station is also reported by Carl and Anne Eder, Pouch A. Willmar, Minnesota. It is on 13500 kcs. and heard Sundays from 9:40-10:30 p.m. signing off with Ted Lewis' Good Night Song. Program consists of Oriental music, man announcing in a strange language, Mohammed was mentioned during the program, no English announcements were made during the program. Who is it?

David Hill (R49), Washington, D.C. states: "There are several stations I hear every day, but the only thing I know of their location is they are on boats of some kind one of which is the 'Penn' and another the 'Gulf Stream.' The call letters are WYFE, WYFF, WYFG, WYFD, all on about 2726 kcs."

#### QUOTE AND UNQUOTE

Leon Grossman, 118 Dorbeth Rd., Rochester, N. Y. "No doubt you've heard quite a bit about the world DX Alliance lately, and you will hear quite a lot in the future. We still have the same officers: Nicholas Woytan, president (Syracuse, N. Y.); Erick R. Johnson sec'y. and treasurer (Perth Amboy N. J.); Leon Grossman vice-president and B. C. B. editor (Rochester N. Y.); George J. Eder, amateur editor (Maywood, Ill.); Gilbert L. Harris (North Adams, Mass.) shortwave editor; and C. J. Spatola, C. P. C. chairman (Rochester, N. Y.) Anyone interested may write to either Erick R. Johnson, P. O. Box 422, Perth Amboy, N. J., or Leon Grossman."

#### NOT SO SHORT WAVES

Following is a list of U. S. Coast

Guard stations operating each day on the assigned frequency of 2662 kcs. Weather Bureau Information is given to all shipping and since very few listeners report these stations, they greatly welcome mail and verify all correct reports.

- NMC San Francisco, Calif. 4:20 a.m. and p.m.
- NMF Winthrop Mass. 11 a.m. and p.m.
- NMG Mobile Ala. 9:20 a.m. and p.m.
- NMN Princess Anne Va. 10:50 a.m. and p.m.
- NMV Jacksonville Fla. 10:20 a.m. and p.m.
- NMW Grays Harbor Wash. 6:30 a.m. and 4:30 p.m.
- NMY Rockaway Point N. Y. 11:30 a.m. and p.m.
- NOJ Pt. Vicente Calif. 5 a.m. and p.m.
- NOW Port Angeles Wash 6:40 a.m. and 4:40 p.m.
- NOY Galveston Texas 9:50 a.m. and p.m.
- NREH Pt. Adams Oreg. 6:50 a.m. and 4:50 pm.

(Williams—R552, N. J.)

WCOS, Towboat "Betty Gardner" stating, "Reporting from 266 miles, passed the 'Mobile', the 'Huskie', getting foggy. Should get into New York by 6:15 tomorrow morning." This was repeated about ten times and then sign off. Frequency was 2775 kcs. (Carter—R649, Mich.)

WFBI (formerly WIOXBI) on 1642, and 2442 kcs. heard testing during the last part of August. WFBI is owned by the Federal Bureau of Investigation and has an output of 42 watts. (Hill—R49, D. C.)

Natural Gas Pipe Line Co. of America stations heard on a frequency of 2726 kcs. with 50 watts power. Those heard were: KIPU, Beatrice, Nebraska; KIPR, Red Oak, Iowa; and KIPT, somewhere in Iowa. They were making a regular Friday test and frequency check at 9:55 p.m. (May—R689, Ga.)



*A coffin and death's head tend to make the QSL of ZL3KX an eerie one. A lavender border heightens the effect.*

Over twenty ship stations have been heard on 2725 kcs. They are so thick at times that I hear nothing but a jumble of QRM. (Carter—R649, Mich.)

WWBR on 3410 kcs. contacts WWAD "Violet", WWCO "Orchid," WWCR "Linden," WWEH "Wistaria," and others at 8:30 p.m. . . . WWMO on 2770 kcs. at Odensburg, N. Y. tests daily at 10 p.m. with WWME — Chatauguay, N. Y.; WWMD—Derby Line, Vt.; WWMP Rouses Pt., N. Y.; and WWMR—Richford, Vt. all on same channel. . . . CZ7I—2238 kcs. and CZ7J—2275 kcs. at 9 p.m. daily. CY2J on 2342 kcs. heard at 11:45 p.m. testing. CZ4L on 4500 kcs. at 5:40 p.m. CZ6T on 4755 kcs. with VDA and CY3T on same frequency around 9 p.m. (Roman—III.)

Weather reports are heard daily on the following stations at the times mentioned: WAQ—2522 kcs. at 11:50 a.m. and p.m., WAK—2558 kcs. at noon and midnight WAY—2182 kcs. at 10 a.m. and p.m. WMI—2182, 2514, 2550, 6470, 8585, and 11370 kcs. at 11 a.m. and p.m. WOX—2590 kcs. at 10:50 a.m. and p.m. WWM—2572 kcs. at 11:10 a.m. and p.m. WWOC—2572 kcs. at 11:40 a.m. and p.m. WWOJ—2572 kcs. at 10:20 a.m. and p.m.

WWOS—2572 kcs. at 11:50 a.m. and p.m. WYYD—4295 kcs. at 10:30 p.m. (Roman—III.)

**ULTRA HIGH**

W1XOV on 27500 kcs. is often heard working several other stations at Mt. Washington and other observatories for weather news. W1XOV is Yankee Network.

W1XW on about 31000 kcs. heard testing. This is the Harvard Weather station on Mt. Blue, Milton, Mass.

W5XD on 31600 kcs. heard daily with facsimile broadcast. They verified promptly with WFAA card on which was typed "For W5XD."

W9XOK on 25300 kcs. at St. Louis, Mo. heard here relaying KXOK. The program quality is good, but announcements are somewhat distorted. Signal strength is good.

W9XJD on 26100 kcs. heard here regularly near noon. Relays KSD.

Spanish speaking stations heard on 27800 kcs. and 30800 kcs. Latter mentioned call is believed to be COCA. These may be harmonics as they are not strong signals.

KQPV on 32500 kcs. at Los Angeles County Sheriff's Office, Calif. heard several days at 1-2 p.m. Also heard was KQPN which is believed to be at Ft. Worth, Texas and WRBA, location unknown. Local Cruisers on about 31000 kcs., Boston Police on 35500 kcs., and WQPR at Quincy, Mass. near 36000 kcs. are also heard well.

Forest Fire Stations in towers of the Massachusetts department of conservation for two way work with small cruisers. WRKO at Carver, Mass.; WRKQ, Fall River, Mass.; and WQWG at Havardall are all heard well on 31000 kcs. These stations work small pick-up trucks equipped with two-way radio to deal with small brush and grass fires. Others heard besides those listed previously are: WQYU at Hanson, Mass., on 35600 kcs., WQWJ on 35600 kcs. at unknown location, WRKJ and WRNU with location and frequencies

uncertain. (All reports in this month's Ultra High section were by Alton L. Caldwell, R1319, Brockton, Mass.)

### "FM" BROADCASTING

"FM" or Frequency Modulated type of broadcasting, using the ultra high bands is due for a little space in our column. We will not promise that the abundance of news will be such that we can devote an entire section to it each month, but there is definite increase in the amount of interest shown by readers in this type of transmission. Though the stations cannot be heard intelligibly on an ordinary receiver, and receivers equipped for "FM" reception have only very recently been made ready for the general public, DXer's profess an unusual desire for more information about these stations that can be heard, but cannot be understood. Without attempting to go into detail on the subject, we're going to give you a list of stations using this type of broadcasting and for more information we refer you to the article "Stationless Radio" which appeared in March 1939, issue of RADEX.

W1XCS Storrs, Conn. 250 w. 39450, 139960, 300000, 400000 kcs.

W1XEV Storrs, Conn. 500 w. 26300 kcs.

W1XOJ Paxton, Mass. 2-3 kw. (soon to be 50 kw.) 43000 kcs.

W1XSL Hartford, Conn. 100 watts (CP only)

W1XSO Hartford, Conn. 1 kw. 43200 kcs. (CP only)

W1XPW Hartford, Conn. 1 kw. 43400 kcs.

W2XAG Yonkers, N. Y. 5 kw. 132400, 132680, 133380, 134360, 135340, 137440, 137860, 138140, 138840, 139540, 139960, 162000, 168000, 210000, 216000, 264000, 270000, 300000, 400000, 401000 kcs.

W2XDA Schenectady, N. Y. 50 w. 43200 kcs.

W2XMN Alpine N. J. 40 kw. 42800 and 117430 kcs.

W2XOY Albany, N. Y. 150 watts 43200 kcs.

W2XQR New York N. Y. 1 kw.

41200 (CP) and 43200 kcs. (pending).

W2XSN Alpine, N. J. 1 kw. (CP) 43200 kcs.

W3XO Georgetown, D. C. 1 kw. (CP) 43200 kcs.

W9XYH Superior, Wis. 1 kw. (CP) 26300 kcs.

WEOD Boston, Mass. Relay station —50 w. 133030, 134850, 136810, 138630 kcs.

(List by Callan—R987, Readville, Mass.)

W3XO on 43200 kcs. with 1000 watts an "FM" station heard between 5 p.m. and 5:30 p.m. This station has just commenced broadcasting and can be addressed at 1219 Wisconsin Ave., N. W. Washington D. C. (Hill—R49 D.C.)

W1XOJ on 43000 kcs the Yankee Network station at Paxton, Mass. is an "FM" station operating daily from 8 a.m. to midnight. They carry programs of the Yankee, Colonial, and Mutual networks. This information comes from a program sheet distributed by the network at the Brockton Fair where a demonstration of "FM" sets was a feature. Reception was excellent on receivers at the fair. (Caldwell—R1918 Mass.)

### SHORTWAVES IN REVIEW Albania

ZAA on 7890 kcs. at Tirana heard at 6:15 a.m. with R5 signal. (Eders—Minn.)

### Bahama Islands

ZFS on 4512 kcs. at Nassau was heard from 6:45-6 p.m. contacting VST. (Roman—Ill.)

### Brazil

PSE has shifted to 14940 kcs. and are heard from 7-8 p.m. with same program as PSH. (Williams—R552, N. J. and Cazeneuve—P. Q.)

### Canada

CFCX on 6005 kcs. is on the air from 7:45 a.m. to 1 a.m. and relays CFCF on 600 kcs. Address: Canadian Marconi Co. Ltd., Box 1690, Montreal. (Cazeneuve—P. Q.)

CFKX on 6080 kcs in Vancouver, B. C. can be heard relaying CFKC

daily between 1-3 a.m. except Mondays. Slogan: "Shortwave Voice of British Columbia." (Williams—R552, N. J.)

CFRX on 6070 kcs. at Toronto verifies with a postal card on which is a picture of Ontario's Parliament Bldg. The building is a stone's throw CFRX-CFRB studios. (S z a b o—R1302, N. J.)

#### Canary Islands

EAJ-43 on 10370 kcs. at Tenerife was heard at 8:30 p.m. (Eders—Minn.)

#### China

XGOX-XGOY at Chungking was bombed on September 3. After that, XGX took up the government's broadcasting. Now, October 20, a new XGOY at Linkiang (Not certain), in Northwestern Yunnan Province is broadcasting. They maintain the same schedule as previously with news in English on 11900 kcs. at 6:15 a.m. and on 15200 kcs. at 9:50 p.m. (Callan—R987, Mass.)

#### Colombia

New calls in use or soon to be used by all stations:

4745—HJCX Bogota  
 4755—HJEH Buenaventura  
 4765—HJFB Manizales  
 4775—HJGB Bucaramanga  
 4785—HJAB Barranquilla  
 4795—HJFI Ibague  
 4805—HJDU Medellin  
 4815—HJBB Cucuta  
 4825—HJED Cali  
 4835—HJAE Cartagena  
 4845—HJCD Bogota  
 4855—HJCF Bogota  
 4865—HJBJ Santa Marta  
 4875—HJFH Armenia  
 4885—HJDB Medellin  
 4895—HJCH Bogota  
 4905—HJAG Barranquilla  
 4915—HJFC Pereira  
 4925—HJAP Cartagena  
 9630—HJCT Bogota  
 (Williams—R552, N. J.)

#### Costa Rica

TIPG on 9612 kcs. at San Jose is

heard from 7 a.m. to 9 a.m. and 4 p.m. to 11:30 p.m. (Harris—Mass.)

#### Cuba

COHI on 6450 kcs. at Santa Clara relays CMHI from 7 p.m. to 1 a.m., at which time they sign off. General Electric is mentioned often. (Williams—R552, N. J., and Cazeneuve—P. Q.)

COCN on 9437 kcs. is under construction in Cuba. (Williams—R552, N. J.)

A very recent list of Cuban stations has been received from Jose Carriazo, Jr., DX Editor of "Radiomania" of Havana.

6130 COCD, La Voz del Aire, G. y 25, Vedado, Havana.  
 6330 COCW, La Voz de las Antillas, Gil y Troncoso, Prado 553, Havana.  
 6350 COCQ, Cambo y Gabriel, S. A., Monte 103, altos, Havana.  
 6450 COHI, Amado Trinidad Velasco, Santa Clara.  
 8665 COJK, La Voz de el Camagueyano, Finlay 3, altos Camaguey.  
 8700 COCO, Capitan Luis Casas Romero, Box 98, Havana.  
 8830 COCQ, Cambo y Gabriel, Monte 103, altos, Havana.  
 8935 COKG, Hermanos Grau, Box 137, Santiago de Cuba.  
 9030 COBZ, Radio Salas, M. y G. Salas, Box 866, Havana.  
 9190 COCX, Casa Lavin, Box 32, Havana.  
 9363 COBC, El Progreso Cubano, Domingo Fernandez, Box 132, Havana.  
 9437 COCH, General Broadcasting Co., Box 41, Havana.  
 9805 COCM, Laureano Suarez, 25 No. 1115, Vedado, Havana.  
 11800 COGF, Bernabe, de la Torre, Gral. Betancourt 51, Matanzas.

#### Czechoslovakia

OLR5A on 15230 kcs. at Prague heard at 7:30 p.m. with Czeck news. Signal R9! (Eders—Minn.)

#### Dominican Republic

HI-1A on 6185 kcs. now as stated on a verification received.

HI-1J on 5855 kcs. at San Pedro de Macoris is heard nightly from 8-11 p.m. (Cazeneuve—P. Q.)

#### Ecuador

HCK has shifted its frequency to 5360 kcs. Quito is the location. (Williams—R552, N. J.)

#### France

"Radio Strasbourg" on 11870 kcs. is an odd one reported from 10-11:30 p.m. May be the broadcast band station being rebroadcast on S.W. by a "Paris Mondial" transmitter. (Cazeneuve—P. Q.)

"Paris Mondial" heard on 9680, 11718, and 11885 kcs. daily from 8 p.m. to 12:30 a.m. with news in English at the beginning and end of the transmission. (Caldwell—Mass., Harris—Mass., Cazeneuve, P. Q., Eders—Minn.)

"Paris Mondial" on 15243 kcs. is heard from 12:30-1:30 p.m. Reports are requested. (Harris—Mass., and Cazeneuve, P. Q.)

#### French Indo China

"Radio Saigon" on 11780 kcs. at Saigon, broadcasts from 6 a.m. (or earlier) with English program lasting till 6:45 a.m. (Skyten—R786, Mass.)

#### Finland

OIE on 15190 kcs. at Lahti heard from 3-3:30 p.m. with news and piano music. Signal varied from R7-8. (Blanchard—R485 N. Y.)

#### Germany

DJL on 15110 kcs. (replacing DJB—15200 kcs.) DJD, and DXB on 9610 kcs. broadcasts nightly to North America. (Skyten—R786, Mass.)

DJX on 9675 kcs. has news in English around 4:15 p.m. (Harris—Mass.)

DXB on 9610 kcs. received very well in the afternoon and early evening with broadcasts beamed on the United States. (Caldwell—Mass., and Roman—Ill.)

DZC on 10290 kcs. at Berlin transmits from 4:50-9 p.m. to South America now along with DJN, DJQ, DJP, and DJA. (Callan—Mass.)

#### Great Britain

Complicated, though it may seem, the following is a complete schedule of transmissions for BBC stations:

The stations available for use are: GSA 6050 kcs., GSB 9510 kcs., GSC 9580 kcs., GSD 11750 kcs., GSE 11860 kcs., GSF 15140 kcs., GSH 21470 kcs., GSI 15260 kcs., GSJ 21530 kcs., GSL 6110 kcs., GSN 11820 kcs., GSO 15180 kcs., GSP 15310 kcs., GST 21550 kcs., GSU 7260 kcs., GSV 17810 kcs., GSW 7230 kcs., GRX 9690 kcs., GRY 9600 kcs., and GRZ 21640 kcs.

Transmission I: From 12:57 a.m. to 5:15 a.m. on GSD, GSB, (till 3:15 a.m.), GSF (from 3:30 a.m.), GSP, and GSI.

Transmission II and III: From 5:42 a.m. to noon on GSJ GSF (from 10:45 p.m.), GST (till 10:15 p.m.), GSG (NA), GSH, and GSV.

Transmission IV: From 12:22 to 3:30 p.m. on GSI, GSD, GSC (from 1:35 p.m.), GSG (NA), and GSE (from 1:35 p.m.). From 3:50-6 p.m. on GSC, GSP (Na), GSO, GSF, and GSD.

Transmission V: From 6:22-9:15 p.m. on GSD (NA) GSB (NA), GSF, and GSC.

Transmission VI: From 9:37 p.m. to 12:30 p.m. on GSD, GSC, GSB (NA).

European Transmission: From 12:57 a.m. to Noon on GSW and GSE. From 12:17 p.m. to 9:15 on GSA and GRX.

Arabic Transmission: From 12:17 p.m. to 1:15 p.m. on GSP and GSC.

NOTE: (NA) means that the program is beamed at North America. (RX and supplements by Harris—Mass., and Williams—R552, N. J.)

#### Guatemala

TGWB on 6480 kcs., and not 6490 kcs. This is from a verification received. (Cazeneuve—P. Q.)

TGWA verified my report of reception on the night they dedicated their program to RADEX. (Fern—R1160, N. J.)



Verification gives Guatamala stations as follows. TGW on 1520 kcs., with 5 kw., TGWA on 9685 and 15170 kcs. (11760 and 17800 kcs. optional) with 10 kw., TGWB on 6480 kcs. with 1 kw., and TGWC on 2320 kcs. with 1 kw. (Atwood—R1355, D. C.)

#### Hungary

HAT-4 on 9125 kcs. heard on usual Sunday 7-8 p.m. program, but with almost double signal strength than when heard last year at this time. (Bonifield—R1318, N. J.)

#### Ireland

"Radio Eire" on 17840 kcs. heard at 2:45 p.m. with cricket game. (Eders—Minn., and Piechuta—R1269, Conn.)

#### Italy

I2RO-12 on 15100 kcs. at Rome heard irregularly from 4-5:30 p.m. (Harris—Mass.)

#### Japan

JZI on 9535 kcs. from 12 to 130 (NA) and 6-8:30 a.m.

JZJ on 11800 kcs. from 6:00-8:30 a.m., 2-4 p.m., and 4:30-5:30 p.m.

JZK on 15160 kcs. from 12-1:30 a.m., (NA), 4:30-5:30 p.m., and 8-9 p.m. (NA).

JVW on 7257.5 kcs. from 2-4 p.m. (RX and Skyten—R786, Mass.)

#### Lithuania

LYR on 9290 kcs. at Kaunas is operating from 1-1:40 a.m., and from 3:30 to 4 p.m. On Sundays from 2:30-3:15, 7-8:45 a.m., and 12:30-2:15, 3-4:30 p.m. (Williams—R552, N. J.)

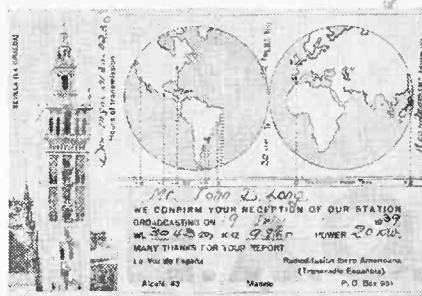
#### Luxembourg

"Radio Luxembourg" on 9524 and 11776 kcs broadcasts daily on both channels. First on 9524, then 8 hours later on 11776 kcs. The station observes the same schedule for three days, then both programs start one hour later for three more days, and so on. Each broadcast lasts one hour. (RX and Blanchard—R485, N. Y., and Harris—Mass.)

#### Mexico

XEKW on 6020 kcs. (approximately) heard regularly. (Walker—W. Va.)

XXEXA on 9503 kcs. and is heard



*The new QSL card from EAQ in Madrid. The map of the world shows how many hours to add or subtract to convert to local time from GMT. The tower is La Giralda in Seville. (Courtesy of John D. Long).*

regularly until 1 a.m. (Cazeneuve—P. Q.)

#### Nicaragua

YNDG on 7660 kcs. in Leon, having recently moved to that channel. (Williams—R552, N. J.)

#### Peru

OAX4T on 9562 kcs. operates from 11:30 a.m. to 1:30 p.m.

OAX4Z on 6082 kcs operates from 7 p.m. to 11:30 p.m. Address for both stations: Ave. Petit Thomas 447, Lima, according to a verification. (Scott—Tenn.)

#### Philippine Islands

KZEH on 9580 kcs. (announced frequency) has been heard testing between 7-8 a.m. Reports were solicited and should be addressed to P. O. Box 119, Manila. (Williams—R552, N. J.)

KZIB on 9500 kcs. at Beck's Dept. Store—I. Beck, Inc., Escolta. Also operates on 6040 kcs and 900 kcs. Schedule: 6 p.m. to 12:30 a.m., and 4-10 a.m.

KZRF on 6140 kcs (formerly KZEG) is owned by F. E. B. Co., and known as "Radio Filipinas" at Insular Life Bldg. They operate on 780 and 6140 kcs. from 5:30 p.m. to 11 a.m.

KZRH on 6100 kcs. "Voice of the Philippines" addressed as Radio Heacock, Heacock Bldg., Escolta. They broadcast in parallel with 1200 kcs. from 5 p.m. to 11 a.m.

KZRM on 9570 kcs. "Radio Manila" owned by Far Eastern Broadcasting Co.; Insular Life, Bldg. Uses 50 kw. on 618 kcs. and 5 kw. on shortwaves from 4:30 p.m. to 7 p.m., 11 p.m. to 12:30 a.m., and 4 a.m. to 10:30 a.m. KZRM has 15 kw. transmitter under construction together with a 500 ft. vertical antenna. It is the most powerful English speaking station in Asia or Oceania. (Preceding four reports by Halsema—N. C.)

#### Portugal

CSW on 9740 kcs. heard nightly at 8 p.m. and reported coming on the air at 3 p.m. on Saturdays. (Harris—Mass., and Cazeneuve—P. Q.)

#### Spain

EAQ on 9855 kcs. at Madrid heard signing on the air at 6 p.m. and Sundays at 8:30 p.m. Reports requested—QRA still the same old P. O. Box 951. (Harris—Mass., Caldwell—Mass.)

#### Sweden

SBI on 15150 kcs. at Motala heard signing off at 4:30 p.m. and announcing the station as SBI. R6 was the signal strength. (Eders—Minn.)

SBT on 15155 kcs. heard on Wednesday evenings 8-9 p.m. (Blanchard R485, N. Y., and Lund—R376, Pa.)

#### Thailand

HS6PJ on 19020 kcs. at Bangkok, Thailand (formerly Siam) heard at 9 a.m. with R7 signal (Eders—Minn.)

#### Turkey

TAP on 9454 kcs. at Ankara heard signing off around 4:50 p.m. and using Turkish National Anthem for signature theme. (Skysten—R786, Mass., and Eders—Minn.)

#### U.S.A.

KGEI verified this morning signed by E. T. Buck Harris, manager. It is a very handy card veri for any DX listener as it has on the reverse a map of the world with time zones for the principal cities of the world. (Atwood—1355, D.C.)

WCBX complete schedule:

21570 kcs. daily 8 a.m. to 12:30 p.m. for Europe.

15270 kcs. daily 1-3:30 p.m. and Sun. till 2:30 only for Europe.

11830 kcs. daily 4-6 p.m. and Sun. 3-6 to Europe and 6:30-10: p.m. including Sun. for So. America.

9650 kcs. daily 10:30 p.m. to 11:30 p.m. including Sun. for So. America.

6120 kcs. (Dec.) and 6170 kcs. (Nov.) midnight to 2 a.m. for South America. (RX)

WMI on 8585 kcs. at Lorain, Ohio verified my report. They broadcast on this frequency at 10 p.m. (Flynn—R937, Sask.)

WRCA on 9670 kcs. and WNBI on 17780 kcs. verify with red and white cards showing pictures of the RCA Mfg. Co., and the RCA building. (Szabo—R1302, N. J.)

WRUL is the final call adopted by the former W1XAL and the W1XAR call is now WRUW in spite of the fact that FCC assignment originally fixed the calls as WSLA and WSLR. (Varga—Ill.)

W6XUJ on 8850 kcs. and 13500 kcs. (approx.) at Treasure Island, Calif. working the yacht "Contender." (Caldwell—R1319, Mass.)

W9XF and WCBI (W9XAA) have ceased all operations—W9XF permanently. Both stations are in Chicago. (Callan—Mass.)

#### U. S. S. R.

RNE on 12000 kcs. at Moscow heard on Wednesday at 4 p.m. and also on a Tuesday at 3 p.m. with Kremlin chimes. Signalat R9. RNE also reported at 10:15 p.m. with R8 signal. (Piechuta—Conn., and Eders—Minn.)

RV96 on 15180 kcs. at Moscow heard with news in English at 7 p.m. and still on the air at 11:45 p.m. (Eders—Minn.)

#### Vatican City

HVJ on 13600 kcs. heard on a Wednesday announcing a schedule, but I was unable to copy. (Bonifield, R1318, N. J.)

#### Venezuela

YV1RX on 4890 kcs. at Maracaibo signs off at 9:30 p.m. with the national anthem and 10 chimes. (Bennett—R1342, N. J.)

(Continued on Page 43)

# Turner Dial Boosts The Short Waves

By  
B. Francis Dashiell

Turner Dial finished his lunch and rose from the table. The Elite Restaurant, presided over by a large, cordial and busy person known as Sally, had offered a seasonal turkey special dinner. Turner had enjoyed his, and said so. Then as he paid his check, reached for a mint, and turned toward the door, Sally stopped him.

"Wait a moment!" she insisted. "I want a radio for the restaurant. With all this war news going on I'll have to break down and get a radio. I hate 'em! They rattle and shout all over the place and you can't hear the orders when they're given. But my customers keep asking why I don't have a radio so they can get the news and comments while eating."

The amazed look on Turner's face made Sally grin. She was one person he hadn't been able to sell. He'd even argued to himself that he ought to stop eating at the Elite just out of revenge. But where else, he thought, could he enjoy such lunches? It would be punishment to his stomach, and, after all, Sally didn't have to buy a radio if she hated them.

"Drop in at the store when things are quiet," suggested Dial. "I have what you need for this place. When all is said and done you'll enjoy it, too." Sally grunted, and Turner departed for his shop a few doors down the street.

Bill Wod, the young assistant at Higrade Radio Sales and Service, was talking to a customer. "Here's Mr. Dial," remarked Bill. "He'll tell you about what you need."

A middle-aged man turned to Dial. "I have a good radio," he began, "but my neighbor has one that picks up foreign stations. I go over there to listen to the war news that comes directly from London and English-speaking stations. It is great business!" The speaker paused, and continued: "You know I've never been



excited over these foreign stations, but now it seems I simply must be able to hear them when I wish."

"You're just one of many," commented Dial as he watched Bill Wood depart for his lunch. His thoughts turned to Sally and her changed attitude toward radio because of the demands of her public. Certainly Bill would be surprised when Sally told him she was getting a radio. Then, turning to his customer Turner Dial said: "This war in Europe has boosted radio. Customers come in here and say they haven't been interested in distance and only listen to locals with a broadcast set. But now they're changing and we've sold a hundred receivers just since the war. Everybody wants short-wave tuning so it seems."

Evening in America is midnight on Europe's battle fields and the radio comment comes after the day's activities have let down. Turner knew that people wanted the latest news and that a great boost in all-wave receivers strong enough to bring in signals at any time was sweeping the country. Dial had helped many of his fellow-townsmen improve their DXing, and now that they had started on Europe's war, they were fast becom-

ing real DX fans and wanted world-wide reception.

The customer was standing before a fine new console. Turner hesitated a moment. Here was a possible sale. However, he said: "You don't want that set. You have a fine broadcast receiver that would get Europe if it could tune to those particular wave bands. What you need is a short-wave converter or high-frequency expander as some now call it. Here is one." And Turner set a small radio-like cabinet on the counter. "This unit works efficiently and will expand the broadcast band of your set from a present limit of 1,500 kilocycles to more than 25,000 kilocycles, more than is necessary for good short-wave reception from any place."

"Will you come to my home and demonstrate it?" asked the customer. Turner agreed, and said he would show him that night. He promised good, loud war news right away.

Bill Wood returned, and excitedly announced that Sally was coming down to look at the set. But just then the telephone rang. Turner answered, spoke a few words, and hung up. Turning to Bill, he said: "Say! I've got to go out right away and demonstrate a preselector. If Sally comes in show her this radio and deliver it if she wants it. Don't let her get another one for this is the only one she can use in the lunch room."

In a few minutes Turner Dial was entering an office building in the next block. He passed into a newspaper office and opened a door marked "Editor." An elderly gentleman waved Turner to a seat, and said: "I thought I might get some war news here in the office direct from Europe and have a reporter translate the comments from France and Germany. That beats our wire services. But this all-wave set I had at home can't compete with the noise and clatter of this place. A friend said I could use a booster and then we could hear without difficulty."

"And I told you that you could do just that" answered Turner Dial.

"Here it is. Its known as a signal amplifier or preselector. This one is excellent but not so inexpensive either. It has five tuned radio-frequency amplification. That's a lot of R-F amplification in any man's radio layout. The band switch covers 6 bands and matches the broadcast and short-wave bands on most any all-wave radio, such as this. It boosts the weak signals on any one of these bands, including the broadcast band. And this little volume control makes it possible to hold your receiver down to its former normal loudness or raise it far above anything it has attempted and beyond your imagination."

The editor expressed his interest. "Sounds too good to be true, but I guess modern radio science has improved a lot in the past few years. Try it out and let's see how it works!"

"You will see" Turner Dial continued "this little unit has its own power supply built in. You simply plug it into the wall socket. Then you hook up this two-wire connection to the doublet antenna terminals of your radio. And that's that!"

Dial turned on the unit as well as the radio, then began to tune very slowly with the knob of the preselector unit. "This is a precision unit, and must be tuned very carefully," he instructed the veteran newspaper man. Suddenly a foreign voice spoke and the volume became too intense even in the noisy news room. Turner cut it down. "That's Moscow" he exclaimed. "And here are others. Listen to 'em!"

"Why that works fine!" said the editor as he called enthusiastically to his associates to listen. "Now we can get this war stuff right off the bat from headquarters and pass some of it on to our readers!"

As Turner walked back to the store he passed the Elite Restaurant. The door opened for a customer and a radio voice came to Turner's well-trained ears. Dial smiled to himself.

(Please turn to Page 43)

# DXer's Appointment Calendar

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

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

Nov. 24, 8 pm, meeting of Brooklyn-Metropolitan Chapter, The Radex Club, 6637 Livingston Court, Brooklyn, N. Y.

Nov. 24, 2-3 am, WGRC, New Albany, Ind., 1370 kcs., "Parade Across Indiana," for NNRC.

Nov. 26, 3:5-30 am, KOVO, Provo, Utah, 1210 kcs. (NRC).

Dec. 3, 5-4 am, XEFC, Merida, Yuc., 1340 kcs. (IDA).

Dec. 4, 8 pm, meeting of Irvington Chapter of The Radex Club, 876 Sanford Ave., Irvington, N. J.

Dec. 8, 3-4 am, CFGP, Grande Prairie, Alta., 1200 kcs. (NRC).

Dec. 8, 1:30-5:30 am, WJAG, 1060 kcs., Norfolk, Nebr.

Dec. 8, 1:30-5:30 am, WJAG, 1060 kcs., Norfolk, Nebr.

Dec. 8, 4-5 am, CKLN, Nelson, B. C., 1420 kcs. (NRC). (This date may be changed to Dec. 14, 4:30-5:30 am. Listen for this program on Dec. 14 if not heard on the 8th).

Dec. 9, 2-4 am, KFUO, St. Louis, Mo., 550 kcs. (Gospel messages and music. Reporters will receive a worthwhile and attractive souvenir).

Dec. 10, 4-5 am, CFRN, Edmonton, Alta., 960 kcs. (NRC).

Dec. 10, 4-5 am, CKNX, Wingham, Ont., 1200 kcs., (NRC).

Dec. 11, 4-5 am, CKBI, Prince Albert, Sask., 1210 kcs. (NRC).

Dec. 12, 4:40-4:55 am, KRGV, Weslaco, Tex., 1260 kcs. (Irvington Chapter).

Dec. 14, 4-5 am, XEDI, Narojoa, Son., 1240 kcs. (URDXC). (Send IRC or 10 cvos. Mexican stamp for veri. KFJZ will be off the air for this program).

Dec. 14, 4:20-4:35 am, KFIZ, Fond du Lac, Wis., 1420 kcs. (NNRC).

Dec. 14, 4:30-5:30 am, CKLN, Nelson, B. C., 1420 kcs. (NRC). (Will be broadcast on this date if not on the 8th).

Dec. 17, 1-1:30 am, YNDG, Leon, Nicaragua, 13900 kcs. (IDA).

Dec. 17, 2-4 am, WCKY, Covington, Ky., 1490 kcs. (NNRC).

Dec. 17, 4-5 am, CJCJ, Calgary, Alta., 690 kcs. (NRC).

Dec. 17, 2:30-2:45 am, TG1 on 1310 and TG2 on 6190 kcs., Guatemala City, Guat. (DXIEC).

Dec. 24, 12:30-1 am, YN3DG, Leon, Nicaragua, 13900 kcs. (DXIEC).

Dec. 29, 8 pm, meeting of Brooklyn-Metropolitan Chapter, The Radex Club, at 6637 Ovington Court, Brooklyn.

Jan. 3, 4-5 am, CJCS, Stratford, Ont., 1210 kcs. (NRC).

Jan. 7, 4-5 am, WWNC, Asheville, N. C., 570 kcs. (WDXA).

Jan. 13, 3-4 am, CHLT, Sherbrooke, P. Q., 1210 kcs. (NRC).

Jan. 13, 4-5 am, CFAR, Flin Flou, Man., 1370 kcs. (NRC).

Jan. 15, 12:30-1 am, KOB, Albuquerque, N. Mex., 1180 kcs. (IDA).

Jan. 18, 4-5 am, CKOV, Kelowna, B. C., 630 kcs. (NRC).

Jan. 28, 4-5 am, HOK, Colon, Panama, 640 kcs. (URDXC).

Jan. 28, 4-5 am, HPSK, Colon, Panama, 6005 kcs. (URDXC). (Send IRC or unused Panamanian stamps for veri).

Feb. 4, 4:30-5:30 am, XEDE, Torreon, Coah., 1400 kcs. (URDXC).

Feb. 11, 4-5 am, XEQK, Mexico City, 1500 kcs. (URDXC).

Feb. 25, 4:30-5:30 am, XETB, Torreon, Coah., 1310 kcs. (URDXC).

XEDE and XETB are both owned by Aurelio G. Zaragoza. Reports are urgently requested, but it is advisable to send an IRC or unused Mexican stamps for veries.

NOTE—The National Radio Club is arranging a series of special programs from Canadian stations, and some programs may be scheduled after this list appears in print. DXers who are interested can get the latest dates by sending a postal card to the NRC at 317 E. 10th St., Erie, Pa.

## Regular DX Programs

First day of month, 4-4:30 am, WPAY, 1370 kcs., Portsmouth, Ohio.

Last day of month, 3-5 am, KWSC, 1220 kcs., Pullman, Wash.

Every Saturday, 2:30-2:45 am, KLS, 1280 kcs., Oakland, Calif.

Every Saturday, 10:15-10:30 am, WEEU, 830 kcs., Reading, Pa.

Every Saturday at 10 pm, YN3DG, 13900 kcs., Leon, Nicaragua. (Spitari—10c for veries).

Every Saturday, 4:15-4:45 pm, W2XJL, 26300 kcs., Newark, N. J. (NNRC tips).

Every Saturday, 10 pm, YN3DG, 13900 kcs., Leon, Nicaragua. (Spitari program).

Every Sunday, 2-2:30 am, TG1 on 1310 and TG2 on 6190 kcs., Guatemala City, Guat.

Every Sunday, 10:15-10:45 am, CFCO, 630 kcs., Chatham, Ont.

Every Sunday, 3-5 am, XEAC, 980 kcs., Tijuana, B. Cfa.

Every Sunday, 12:30-1 am, TGQA on 6400 and TGQ on 1450 kcs., Quezaltenango, Guatemala. (Spitari program, all reports verified free).

First Sunday, at 1 am, YN3DG, 13900 kcs., Leon, Nicaragua. (Spitari program).

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

Every Tuesday, 11:45 am-noon, W9XA, 26450 kcs., Kansas City, Mo.

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

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

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

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

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

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

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

## The Monthly Frequency Checks

|  |      |           |                    |      |                     |
|--|------|-----------|--------------------|------|---------------------|
| <b>F</b> OR the purpose of checking the  |      | 4:45-5:00 | 1370               | KFGQ | Boone, Iowa         |
| frequencies of small stations which      |      | 4:50-5:05 | 1420               | KRBC | Abilene, Texas      |
| cannot be heard satisfactorily on their  |      | 4:55-5:10 | 1200               | KGHI | Little Rock, Ark.   |
| regular daily transmissions, the Fed-    |      | 5:00-5:15 | 1370               | KTEM | Temple, Texas       |
| eral Communications Commission re-       |      | 5:05-5:20 | 1390               | KABR | Aberdeen, S. D.     |
| quires monthly monitoring broadcasts     |      | 5:10-5:25 | 1200               | KGEK | Sterling, Colo.     |
| from a selected group of stations. Fol-  |      | 5:15-5:30 | 1370               | KFJZ | Fort Worth, Tex.    |
| lowing is the latest available. All time |      | 5:20-5:35 | 1420               | WMBH | Joplin, Mo.         |
| is am., Eastern Standard.                |      | 5:25-5:40 | 1200               | WIL  | St. Louis, Mo.      |
|  |      | 5:30-5:45 | 1370               | WOC  | Davenport, Iowa.    |
|  |      | 5:35-5:50 | 1420               | KABC | San Antonio, Tex.   |
|  |      | 5:40-5:55 | 1200               | KADA | Ada, Oklahoma       |
|  |      | 5:45-6:00 | 1370               | KLUF | Galveston, Texas    |
|  |      | 5:50-6:05 | 1190               | KTKC | Visalia, Calif.     |
|  |      | 5:55-6:10 | 1400               | KHBC | Hilo, Hawaii.       |
|  |      | 6:00-6:15 | 1370               | KRE  | Berkeley, Calif.    |
|  |      | 6:05-6:20 | 1500               | KXO  | El Centro, Calif.   |
|  |      | 6:10-6:25 | 1200               | KGW  | Stockton, Calif.    |
|  |      | 6:15-6:30 | 1370               | KERN | Bakersfield, Calif. |
|  |      | 6:20-6:35 | 1420               | KUMA | Yuma, Arizona.      |
|  |      | 6:25-6:40 | 1200               | KVCV | Redding, Calif.     |
|  |      | 6:30-6:45 | 1280               | KLS  | Oakland, Calif.     |
|  |      | 6:35-6:50 | 1040               | KYOS | Merced, Calif.      |
|  |      | 6:40-6:55 | 1200               | KSUN | Lowell, Arizona.    |
|  |      | 6:45-7:00 | 1100               | KGDM | Stockton, Calif.    |
|  |      | 6:50-7:05 | 1450               | KIEM | Eureka, Calif.      |
|  |      |           |                    |      |                     |
| <b>Second Monday</b>                     |      |           |                    |      |                     |
| 2:55-3:10                                | 1310 | WBRK      | Pittsfield, Mass.  |      |                     |
| 3:00-3:15                                | 1370 | WABY      | Albany, N. Y.      |      |                     |
| 3:05-3:20                                | 1420 | WMAS      | Springfield, Mass. |      |                     |
| 3:10-3:25                                | 1200 | WCAX      | Burlington, Vt.    |      |                     |
| 3:15-3:30                                | 1370 | WRDO      | Augusta, Maine     |      |                     |
| 3:20-3:35                                | 1420 | WAGM      | Presque Isle, Me.  |      |                     |
| 3:25-3:40                                | 1210 | WHAI      | Greenfield, Mass.  |      |                     |
| 3:30-3:45                                | 1390 | WQDM      | St. Albans, Vt.    |      |                     |
| 3:35-3:50                                | 1310 | WMFF      | Plattsburg, N. Y.  |      |                     |
| 3:45-4:00                                | 1220 | WCAD      | Canton, N. Y.      |      |                     |
| 3:45-4:00                                | 1500 | KVWC      | Vernon, Texas      |      |                     |
| 3:50-4:05                                | 1310 | WLNH      | Laconia, N. H.     |      |                     |
| 3:55-4:10                                | 1200 | WIBX      | Utica, N. Y.       |      |                     |
| 4:00-4:15                                | 1500 | WWRL      | Woodside, N. Y.    |      |                     |
| 4:00-4:15                                | 1370 | KVRS      | Rock Springs, Wyo. |      |                     |
| 4:05-4:20                                | 1310 | WMBO      | Auburn, N. Y.      |      |                     |
| 4:10-4:25                                | 1210 | WBRB      | Red Bank, N. J.    |      |                     |
| 4:10-4:25                                | 1420 | KDNT      | Denton, Texas      |      |                     |
| 4:15-4:30                                | 1500 | KPAB      | Laredo, Texas      |      |                     |
| 4:20-4:35                                | 1310 | KVOX      | Moorhead, Minn.    |      |                     |
| 4:25-4:40                                | 1210 | KFPW      | Fort Smith, Ark.   |      |                     |
| 4:30-4:45                                | 1370 | WMIN      | St. Paul, Minn.    |      |                     |
| 4:35-4:50                                | 1420 | KNET      | Palestine, Texas   |      |                     |
| 4:40-4:55                                | 1200 | WBBZ      | Ponca City, Okla.  |      |                     |

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

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



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

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

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

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

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

**Turner Dial**

*(Continued from page 34)*

Well Sally had her radio, and Bill had delivered it. Turner peered through the window and there was Sally turning at the dial and grinning like a child with a new toy. Several customers stood around and seemed to be listening. Dial turned away and continued his march back to Higrade's successful little store and service shop.

Bill Wood was working back at the service bench, but a small radio was telling of the day's war events. Turner dropped into his favorite but well-worn desk chair and pulled out his pipe. "This war certainly has boosted short-wave radio," he said to Bill. "Everybody is listening to Europe. They use old sets and new sets which have to have lots of power these days to satisfy. With old broadcast sets they use converters, and with small, weak all-wave sets they use signal amplifiers or preselectors. And even auto radios use converters for short wave reception."

**Shortwaves**

*(Continued from page 32)*

**Yugoslavia**

YUG on 15240 kcs. heard irregularly from 8-9 p.m. with program for North America. Signs on and off the air with horn signal and anthem. (Eders—Minn., and Harris—Mass.)

**NOTE:** It must be remembered that the stations reserve the right to alter schedules at will and that even

official schedules may at times differ from those in use at the time of reading.

- RI—Your East Coast Editor, Worcester, Mass.
  - RX—All official news
  - R36, Mich. 1: Carl Sylvester, Columbiaville, Mich.
  - R49: David Hill, Washington, D.C.
  - R133: Carl Forestieri, Bronx, New York City
  - R141: Al Pickering, West Medway, Mass.
  - R184: Carl Eder, Willmar, Minn.
  - R185: Anne Eder, Willmar, Minn.
  - R211, T.H. 2: C. J. Fern, Lihue, Hawaii
  - R376: Harold Lund, Erie, Penna.
  - R485: Robert L. Blanchard, Brooklyn, N.Y.
  - R552: M. F. Williams, Newark, N. J.
  - R577: Nicholas Evangelista, West Hamburg, Pa.
  - R615: Edward Shirley, Jamestown, N. Y.
  - R626, Tenn. 3: Bill Scott, Johnson City, Tenn.
  - R638, Vt. 5: Edward Harper, West Burke, Vt.
  - R649: Russell Carter, Jackson, Mich.
  - R689: Robert W. May, Rome, Ga.
  - R786: Robert Skyten, East Brookfield, Mass.
  - R937: Wm. W. Flynn, Dummer, Sask.
  - R987: Desmond Callan, Readville, Mass.
  - R1092: Ray Schaffar, Waterloo, Iowa
  - R1160: Jack Fern, Clifton, N. J.
  - R1269: Joseph A. Piechuta, Meriden, Conn.
  - R1302: William Szabo, New Brunswick, N. J.
  - R1305: Carl Horton, Athol, Mass.
  - R1318: Kyle C. Bonifield, Asbury Park, N. J.
  - R1319: Alton L. Caldwell, Jr., Brockton, Mass.
  - R1342: Henry Bennett, Collingswood, N. J.
  - R1355: Robert M. Atwood, Washington, D.C.
  - Al Bartholomew, Bradford, N. Y.
  - Joseph Cazaneuve, Montreal, P.Q.
  - Warren Dame, Saxonville, Mass.
  - Leon Grossman, Rochester, N. Y.
  - James J. Halsema, Durham, N.C.
  - Gilbert L. Harris, North Adams, Mass.
  - John D. Long, Dalton, Ga.
  - George C. Starry, Latrobe, Pa.
  - John Varga, Chicago, Illinois
  - Jim Walker, Romney, W. Va.
  - Bob Wilson, Portland, Me.
- NOTE:** If you have a RADEX CLUB indicia, please use it always when writing. Otherwise you may find yourself listed with non-members.

# The SHORTWAVE STATIONS

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

Time is Eastern Standard.

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

|             |  |             |  |
|-------------|--|-------------|--|
| 2320 TGWC   | Guatemala City, Guat. 1 kw. See TGWA. Sun, 10:30 am-5:15 pm; 7 pm-midnight. Other days, 7:45-9 am; 12-45:3-45 pm; 7:30 pm-12:15 am.                        | 4810 YV1RU  | Maracaibo, Venez. "Radio-difusora Maracaibo," Luis Mantellini H.   |
| 2340 HOA    | Panama City, Panama. "Ron Dalley," Salvador Graziani, Box 1121, (6-10 pm).   | 4815 HJ2BAB | Cucuta, Colombia. 660 w. Relays HJ2BAC, "La Voz de Cucuta."  |
| 2437 HRN    | Tegucigalpa, Honduras. 500 w. Noon-1:30 pm; 7-10:30 pm. "La Voz de Honduras."  | 4820 YV3RN  | Barquisimeto, Venez. "Radio Barquisimeto," Amilcar Segura.   |
| 3400 YV5RW  | Caracas, Venez. "Radio Turmerito," Cesar Banulis.  | 4825 HJ5EAD | Cali, Colombia. 720 w. "La Voz del Valle."   |
| 3450 YV6RC  | Barcelona, Venez. Gobierno Edo Anzoategui.   | 4830 YV5RH  | Caracas, Venez. Relays YV5RG, "Ondas Populares," Gonzalo Veloz Mancera, Aptdo. 1931.   |
| 3480 YV3RF  | Acarigua, Venez. "La Voz del Llano," Pausides Sigala.  | 4835 HJ1ABE | Cartagena, Colombia. 525 w. Relays HJ1ABF, "La Voz de los Labs. Fuentes," Apartado 31.   |
| 3480 2ZB    | Wellington, New Zealand. 200 w. At 7 am.   | 4840 VUC2   | Calcutta, India. 10 kw. 7:30 am-1 pm. All-India Radio.   |
| 3488 NZZ    | Rangoon, Burma. 50 w. W. J. Byrnes, Burma Independent Wireless Sub-Division, Strand Road. (Sun, 8:30-10:30 pm; Daily 5:30-9 am; 8:20-10:30 pm).            | YV4RX       | Maracay, Venez. "Radio Maracay," Luis Croquer.   |
| 3490 CR7AB  | Lourenco Marques, Mozambique. Sun, 5-7 am; 10 am-2 pm; Weekdays, midnight to 1 am; 4:30-6:30 am; 9:30-11 am; noon-4 pm. Radio Club de Mocambique, Box 594. | 4845 HJ3CAD | Bogota, Colombia. 720 w. "Nueva Granada."  |
| 3500 YV5RV  | La Guaira, Venez. "Emisora Vargas," Gonzalo Veloz Mancera.   | 4850 YV1RZ  | Trujillo, Venez. "Radio Valera," L. Febres Jelambi.  |
| 4002 CT2AJ  | Ponta Delgada, Azores. Wed, Sat, 5-7 pm.   | 4860 YV1RL  | Maracaibo, Venez. 300 w. Relays YV1RK "Radio Popular," sign off "National Emblem March." Jose A. Higuera, Apartado 247. (6-11 pm). |
| 4107 HCJB2  | Quito, Ecuador. 1 kw. 7-8:15 am; 11:30 am-2:30 pm; 2:45-10:15 pm. "Broadcasting Provincial," Clarence W. Jones, Casilla 691.                               | 4865 HJ2BAJ | Santa Marta, Colombia. 751 w. 10:30 am-2 pm; 5-11 pm. "La Voz de Santa Marta."   |
| 4273 RVI5   | Khabarovsk, U.S.S.R. 20 kw. 4-10 am. Miss Rowena Meyer, Radio Committee.   | 4870 YV2RN  | San Cristobal, Venez. "La Voz del Tachira," Jesus Diaz Gonzaalez.  |
| 4300 4ZB    | Dunedin, New Zealand. 30 w. At 6 am.   | 4875 HJ6FAH | Armenia, Colombia. 600 w. 9 am-2 pm; 6-11:30 pm. "La Voz de Armenia."  |
| 4770 YV1RT  | Maracaibo, Venez. "La Voz de la Fe," Pedro A. Bermudez V.  | 4878 ZTD    | Durban, Union of S. Africa. See "Johannesburg." (11:45 pm-12:50 am).   |
| 4775 HJGAB  | Bucaramanga, Colombia. 750 w. 6-10:45 pm. "Radio Santander."   | 4880 VUB2   | Bombay, India. 10 kw. 8 am-1 pm. All-India Radio.  |
| 4780 YV1RO  | Trujillo, Venez. "Radio Trujillo," Pedro J. Torres.  | YV6RU       | Ciudad Bolivar, Venez. "Ecos del Orinoco," E. Torres Valencia.   |
| 4785 HJ1ABB | Barranquilla, Colombia. 600 w. Relays HJ1ABA, "La Voz de Barranquilla," Apartado 715. Interval signal, 3 chimes.   | 4885 HJ4DAP | Medellin, Colombia. 501 w. Relays HJ4DAQ. 9 am-2 pm; 7 pm-midnight. "Emisora Claridad."  |
| 4790 YV5RY  | Caracas, Venez. "La Voz de la Esfera," Edmundo Suegart.  | 4890 YV1RX  | Maracaibo, Venez. "Ondas del Lago," Nicolas Vale Quintero.   |
| 4795 HJ3CAF | Bogota, Colombia. 750 w. La Voz de Bogota.   | 4895 HJ3CAH | Bogota, Colombia. 720 w. "La Voz de la Victor." Relays HJ3CAI. Almacenes Victor, Aptdo 565.  |
| HJ6FAI      | Ibague, Colombia. 501 w. "Ecos del Combeima."  | 4900 YV6RT  | Ciudad Bolivar, Venez. "Radio Bolivar," Miranda & Behrens.   |
| 4800 YV1RV  | Maracaibo, Venez. "Ecos del del Zulia," Luis Garcia.   | 4910 YV1RY  | Coro, Venez. "Radio Coro," Roger Leyba.  |
| 4805 HJ6FAB | Manizales, Colombia. 501 w. "Radio Manizales."   | 4920 VUM2   | Madras, India. 10 kw. 7:30 am-1 pm. All-India Radio.   |

|      |        |   |  |             |   |
|------|--------|---|--|-------------|---|
|      | YV5RU  | Caracas, Venez. "Estudios Universo," Mario Garcia Arocha.   |  | 6000 CXA2   | Montevideo, Uruguay. 5 kw. Cia. de Radio Publicidad Continental, J. C. Gomez 1431. 10 am-10 pm.   |
| 4930 | YV4RP  | Valencia, Venez. "Radio Valencia," Luis Croquer.  |  | HH2S        | Port-au-Prince, Haiti. Societe Haitienne de Radiodiffusion, Box 103. (7-10 pm).   |
| 4940 | YV5RO  | Caracas, Venez. "La Voz de Venez.," Marquis y Linares.  |  | RV59        | Moscow, U.S.S.R. 7-9:15 pm.   |
| 4950 | YV4RO  | Valencia, Venez. "La Voz de Carabobo," Herman Degwitz.  |  | XEBT        | Mexico City, D. F. 500 w. Interval signal, cuckoo calls, and sign off with "Liebes-traume." El Buen Tono, S. A. Apartado 79-44. 11 am-1 am.   |
| 4960 | VUD2   | Delhi, India. 10 kw. 7:30 am-1 pm. All-India Radio.   |  | 6005 CFCX   | Montreal, P. Q. 75 w. Relays CFCF. Canadian Marconi Co., Ltd., Box 1690. Sun. 10 am-11:15 pm. Week-days 7-15 am-1 am.   |
|      | YV5RS  | Caracas, Venez. "Radio Libertador," Victor M. Soto.   |  | HP5K        | Colon, Panama. 200 w. Relays HOK, "La Voz de La Victor, Apartado 33. Noon-2 pm; 6 am-midnight.  |
| 4975 | YV1RJ  | Coro, Venez. "Radio Falcon," J. A. Mendoza.   |  | 6007 XYZ    | Rangoon, Burma. 1500 w. Burma Independent Wireless Sub-Division, W. J. Byrnes, Strand Road. Sun, 8:30-10:30 pm; Daily 5:30-9 am; 8:20-10:30 pm).  |
| 4980 | YV5RT  | Caracas, Venez. "Gobierno Nacional."  |  | ZRH1        | Pretoria, Union of So. Africa. 5 kw. See "Johannesburg." Sat, 9:30 am-4:45 pm; Sun, 8:40 am-noon; 12:15-3:15 pm; Other days, 9:30 am-3:30 pm; 11:45 pm-12:50 am.                            |
| 4990 | YV3RX  | Barquisimeto, Venez. "La Voz de Lara," Arturo Ramos Maggi.  |  | 6010 CJCX   | Sydney, N. S. 1 kw. Relays CJCB. Eastern Broadcasters, Ltd., Radio Bldg. Sun, noon-1:30 pm; Weekdays 9 am-2:30 pm.  |
| 5000 | YV5RK  | Caracas, Venez. Gobierno Nacional.  |  | PRA8        | Recife, Brazil. 5 kw. "A Voz do Norte." Radio Club do Brasil, Avenida Cruz Cabuga 394. Time signals at noon and 7 pm Brazil Time. Sign off with national anthem. 9 am-noon; 1-3 pm; 4-9 pm. |
| 5010 | YV5RM  | Caracas, Venez. "Radio-difusora Venez.," Degwitz y Sibletz.   |  | 6015 HI3U   | Santiago de los Caballeros, D. R. 100 w. "La Voz del Comercio," Fernando Bertran, Apartado 23. Sign off "Mario la O" on organ and national anthem. 7:15-9 am; noon-2 pm; 4:45-8 pm.         |
| 5020 | YV4RQ  | Puerto Cabello, Venez. Radio Pto. Cabello," Rafael A. Segura.   |  | XEWI        | Mexico City, D. F. 400 w. Institucion Municipal de la V. I., Mina 56.   |
| 5040 | YV5RN  | Caracas, Venez. Radio Caracas," Almacen Americano.  |  | 6020 DJC    | Berlin, Germany. 50 kw. See "Berlin." 11:30 am-4:25 pm.   |
| 5146 | PMY    | Bandoeng, Java, N. E. I. 1 kw. Sat, 8 pm-3:30 am. Sun, 5:30 am-noon. Other days, 5:30 am-noon; 7 pm-3 am.   |  | XEUW        | Veracruz, Ver. C. 20 w. "El Eco de Sotavento desde Veracruz," Av. Independencia 98. Verifies for 3c USA stamp. 8 am-midnight.   |
| 5300 | ZIK3   | Belize, Brit. Honduras. (8:30-8:50 pm).   |  | 6025 HI1J   | San Pedro de Macoris, D. R. 100 w. Fausto M. Donastorg, Aptdo 204. (8-11 pm).   |
| 5713 | TGS    | Guatemala City, Guat. 200 w. Wed, Thur, Sat, 6-9 pm. Radiotransmisora de la Casa Presidencial."   |  | 6030 CFPV   | Calgary, Alta. 100 w. Voice of the Prairies, Ltd., Toronto General Trusts Bldg. (Thur, 9 am-1 am; Sun, noon-midn't.)  |
| 5824 | TIGPH  | San Jose, Costa Rica. 1 kw. "Alma Tica," Gonzalo Pinto H., Aptdo. 800. (7 pm-midn't).   |  | HP5B        | Panama City, Panama. 100 w. Estacion Radiodifusora Miramar de la Radio Panama; Apartado 910. 5-10 pm.   |
| 5875 | HRN    | Tegucigalpa, Honduras. 500 w. "La Voz de Honduras," Mr. Paul John. Interval, notes from national anthem, and signs off with "Goodnight Waltz." 8 pm-midnight. |  | 6035 TI7RVM | Las Juntas, C. Rica. 500 w. "La Voz del Guanacasto," Ruben Venegas M.   |
| 5880 | ZEA    | Salisbury, Southern Rhodesia. 325 w. Gen'l. P. O., Station Sec'y., Box 792. Sun, 3-5 am.  |  |             |   |
| 5940 | PJCI   | Willemstad, Curacao. 150 w. "Radio Curom," Curacaosche Radio Vereeniging, Emmastad, Curacao. 7:45-9:35 pm.  |  |             |   |
| 5945 | TG2X   | Guatemala City, Guat. 200 w. "Policia Nacional." Tue, Wed, Fri, 11 am-1 pm. Sat, 11 am-3 pm.  |  |             |   |
| 5975 | CS2WD  | Lisbon, Portugal. 250 w. Radio Renascenca, Rua do Capelo 5-2 esq.   |  |             |   |
|      | OAX4P  | Huancayo, Peru. 250 w. "Radio Andina Junin," J. Alberto Maduana, Cuzco 25.  |  |             |   |
| 5980 | VONG   | St. John's, Newfoundland. Newfoundland Brdctg. Corp. Relays VONF. 8:30 am-12:30 pm; 4:30-9:30 pm.   |  |             |   |
| 5984 | HJ4DAG | Quibdo, Colombia. 150 w. "La Voz del Choco."  |  |             |   |
| 5995 | VUD2   | Delhi, India. 10 kw. All-India Radio. 7:30 am-12:30 pm.   |  |             |   |

- 6040 KZIB Manila, Philippines. I. Beck Inc., Box 440. (4-10 am; 6 pm-12:30 am).
- 6040 WSLA Boston, Mass. 20 kw. See WSLA.
- WDJM Miami, Fla. 5 kw. 10 pm-1 am. Relays WIOD. Ruth Richardson, Isle of Dreams Broadcasting Corp.
- YDA Tandjong Priok, N.E.I. 10 kw. NIROM. Sign off, "End of a Perfect Day."
- 6042 HJ1ABG Barranquilla, Colombia. 600 w. Relays HJ1ABH. "Emisora Atlantico," Aptdo. 445.
- 6044 ZP14 Villarrica, Paraguay. 1 kw. "Radio Cultura."
- 6045 XETW Tampico, Tams. 100 w. Relays XEFW, Flores y Martinez, Francisco I, Madero 204 Ote. Sun, 10 am-4 pm. Weekdays, 10 am-10 pm.
- 6053 VK9MI M. V. "Kanimbla." 50 w. Sign off "God Save the King." McIlwraith & McEacharn, Ltd., Melbourne, Australia. (7:15 am).
- 6054 HJ6FAB Pereira, Colombia. 501 w. "La Voz de Pereira."
- 6055 .... Bern, Switzerland. 25 kw. See eBrn."
- 6060 VQ7LO Nairobi, Kenya. Cable & Wireless, Ltd., Box 777. 11 am-2:30 pm.
- 6060 WCAB Philadelphia, Pa. 10 kw. See "WCAB." (Sun, 6:30-11 pm; Tu, F, 6:30-11 pm; Wed, 6:30-8:30 pm).
- WLWO Cincinnati, Ohio. 10 kw. See "WLWO".
- 6065 SBO Stockholm, Sweden. 500 w. 5:15-5 pm. Telegrafverket Tjanstebrev 5.
- 6070 CFRX Toronto, Ont. 1 kw. Sun, 10:30 am-midnight. Weekdays 7:30 am-midnight. Relays CFRB. Rogers Radio Broadcasting Co., 622 Fleet St.
- 6079 DJM Berlin, Germany. 50 kw. See Berlin."
- 6080 CKFX Vancouver, B. C. 10 w. Relays CKFC Standard Brdstg. Sys., 1504 Sun Bldg. 2 pm-midnight.
- HP5F Colon, Panama.
- WCBI Chicago, Ill. 500 w. See "WCBI".
- 6080 XEQQ Mexico City, D. F.
- 6082 OAX4Z Lima, Peru. 10 kw. Radio Nacional." Relays OAX4A, Av. Petit Thouars 447.
- 6090 ZNS Nassau, Bahamas. Superintendent of Telegraphs, Box 48 (No postage required for veries).
- 6097½ ZRJ Johannesburg, Union of So. Africa. 200 w. See "Johannesburg." Sat, midnight to 12:50 am; 3:15-7 am; 8:30-11:30 am; Sun, 3:30-4:30 am (or 4-5 am); 5:30-7 am; 8:40-11:30 am; Other days, 3:15-7 am; 9 am-1:30 pm; 11:45 pm-12:50 am.
- ZRK Capetown, Union of So. Africa. 5 kw. See "Johannesburg." Sun, 3:30-4:30 am (or 4-5 am); 5:30-7 am;
- 9 am-11:45 am; noon-3:20 pm; Weekdays, 3:20-7:20 am; 9-11:45 am; noon-4 pm; 11:45 pm-12:50 am.
- 6100 KZRH Manila, Philippines. "Radio Heacock," Escolta. (5-11 pm).
- 6100 W9XF Chicago, Ill. 10 kw. Relays NBC-WENR. Audience Mail Dept., NBC, Inc., Merchandise Mart, Sat, 1:05-2 am; 4-5:30 pm; Sun, 1-5:45 pm; Other days, 1:05-2 am; 4-5:45 pm.
- YUA Belgrade, Yugoslavia. 1 kw. 12:45 am-5:30 pm. "Radio Beograd," Bureau Central de Presse, Poste Emetteur a Ondes Courtes. Announce in Serbian, Italian, English, German, Turkish, Hungarian, Albanian, and Greek. (12:45 am-5:05 pm).
- 6105 HL3C La Romana, D. R. 30 w. A. Herrero Hernandez.
- 6110 GSL London, Gt. Britain. "L for Liberty." See "London."
- XEGW Mexico City, D. F. 250 w. Jose G. Garza Fox, San Juan de Letran 81.
- 6116 .... Saigon, Fr. Indo-China. "Radio Saigon." (6 am).
- 6120 WCBX New York, N. Y. 10 kw. See "WCBX." (Midnight-2 am).
- 6122 HI8T San Cristobal, D. R. 30 w. Raul Henriquez.
- 6122 FK8AA Noumea, New Caledonia. Relays FJP. Announces, "Ici Noumea," and signs off with Marseillaise. 44 rue de l'Alma. Tues, Sat, 2:30-3:30 am.
- IJ3CAX Bogota, Colombia. 750 w. Relays IJ3CAZ. La Voz de Colombia, Apdo 772. (Heard on 6012 kcs). (Sun. Noon-1:30 pm; 6-11 pm; Other days 10:30 am-2 pm; 5:30-11:30 pm.)
- TGWB Guatemala City, Guat. 1 kw. Sun, 10:30 am-5:15 pm; 7 pm-midnight. Weekdays, 7:45-9 am; 12:45-3:45 pm; 7:30 pm-12:15 pm. See TGWA.
- 6130 CHNX Halifax, N. S. 500 w. Sat, 8 am-11:30 pm; Sun, noon-11:15 pm; other days, 7 am-11:15 pm. Maritime Broadcasting Co., Lord Nelson Hotel
- COCD Havana, Cuba. 250 w. Relays CMCD. "La Voz del Aire," S. A., Sr. J. Benitez, Aptdo. 2294.
- LKJ Oslo, Norway, 5 kw. See "Oslo."
- 6132 VP3RG Georgetown, British Guiana. Brit. Guiana United Brdstg. Co., Box 11. (10:30 am-11:30 am; 4-8 pm).
- EXXA Mexico City, D. F. 100 w. Depto. de Publicidad y Propaganda, Sr. Jose Rivera.
- 6137 OR7AA Lourenco Marques, Port. East Africa. Radio Club de Mocambique, Caixa Postal 594. Sun, 5-7 am; 10 am-2 pm; Weekdays, midnight-11 am; 4:30-6:30 am; 9:30-11 am; noon-4 pm.



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| 6140 KZRF    | Manila, Philippines. "Radio Filipinas," Insular Life Bldg. (5:30-11 pm).   | 6280 HI1G  | Trujillo, D. R. 200 w. Relays HI1G. Andres Cordero Puello.   |
| WPIT         | Pittsburgh, Pa. 40 kw. See "WPIT." (11 am-noon).   | 6282 COHB  | Sancti-Spiritus, Cuba 150 w. Relays CMHB, V. E. Wiess y O. Ramirez, Calle Independencia 33. 9-11 pm.   |
| 6145 HJ4DAE  | Medellin, Colombia. 700 w. "La Voz de la Antioquia."   | 6295 OAX4G | Lima, Peru. 400 w. Relays OAX4B, "Radio Grellaud." Roberto Grellaud y Cia., Sen Abencay 915-23 (7-9:30 pm).  |
| 6147 1/2 ZRD | Durban, Union of So. Africa. 200 w. See "Johannesburg." Sat, 3:30-7:30 am; 9-11:15 am; Sun, 5:30-7 am; 9-11:16 am; Weekdays, 11:45 pm-12:50 am.                                  | 6312 ZP14  | Villarica, Paraguay, 1 kw. "Radio Cultura."  |
| 6150 CJRO    | Winnipeg, Man. 2 kw. James Richardson & Sons, Ltd., 157 Royal Alexandra Hotel.   | 6316 HI1Z  | Trujillo, D. R. 100 w. Relays HI1Z. Frank Hatton.  |
| 6150 TIEMC   | San Jose, C. Rica. 250 w. "Radio El Mundo," Rafael Hine Ch.  | 6330 COCW  | Havana, Cuba. 7 am-midnight. Relays CMW. "La Voz de las Antillas," Apartado 130.   |
| 6165 TILS    | San Jose, Costa Rica. 2 kw. "Para Ti," Luis Saenz Mata, Apto. 3.   | 6335 OAX1A | Chiclayo, Peru. 200 w. "La Voz de Chiclayo." Elias Aguirre 171, Casilla 9. Sign off, "Good Night Waltz." (Sat, 10 pm-midnight; Other days, 8-11 pm).                   |
| 6165 ....    | Bern, Switzerland. 25 kw. See "Bern."  | 6340 HI1X  | Trujillo, D. R. 900 w. Relays HI1X. J. R. Saladin. (Tues, Fri, 8-10 pm).   |
| 6170 HI4V    | San Francisco de Macoris, D. R. 100 w. Luis R. Betances R.   | 6351 HRP1  | San Pedro Sula, Honduras. 100 w. 12:30 pm-12:30 am. "El Eco de Honduras."  |
| 6174 XEXA    | Mexico City, D. F. Relays XEXM, Departamento Autonomo de Prensa Publicidad (DAPP). Sign off, "March of the Toys." 8:30 am-midnight.  | 6355 IAC   | Rome, Italy. See "Rome." (3-3:35 pm).  |
| 6185 HI1A    | Santiago de los Caballeros, D. R. 75 w. "La Voz del Yaque," Rafael Western. (Weekdays, 8-10 pm).   | 6380 ZIZ   | Basseterre, St. Kitts. (Reported on 6384). Daily 4-5 pm; Wed, 7-7:30 pm.   |
| 6190 HVJ     | Vatican City. 15 kw. Mon, Thur, Sat, 2-3:30 pm; Tues, Fri, 2-3 pm; Wed, 2-2:30 pm; 3-3:30 pm. See HVJ.   | 6383 HI9B  | Santiago, D. R. 200 w. Jacinto L. Sanchez, Apto. 95.   |
| 6190 KGEI    | San Francisco, Calif. 20 kw. See "KGEI."   | 6420 HI1S  | Santiago de los Caballeros, D. R. 200 w. "La Voz de La Hispaniola." Generoso Sarnelli. (6-11 pm).  |
| 6190 TG2     | Guatemala City, Guat. 200 w. "Radio Morse," Director General of Electrical Communications. (Sat, 7:30-9 am; 6 pm-1 am; Sun, 7:30-11 am; 3-8 pm. Other days, 7:30-9 am; 6-11 pm). | TGQA       | Quezaltenango, Guat. 200 w. Relays TGQ, "La Voz de Quezaltenango," Director General of Electrical Communications. (Sat, 10 pm-1 am; Sun, 1-3 pm; Other days, 9-11 pm). |
| WGEO         | Schenectady, N. Y. 40 kw. See "WGEA."  | 6425 W2XGB | Hicksville, N. Y. 10 kw. Press Wireless, Inc.  |
| 6200 COKG    | Athlone, Ireland. Santiago de Cuba. 1200 w. Relays CMKG. "Ask For Bacardi." Sres. Grau y Caminero, Apto. 137. Daily exc. Sat, 9 am-11 pm.  | 6480 HI1L  | Santiago, D. R. 100 w. "Emisora Nacional," Maria J. Tavarez, Calle Pres. Trujillo 97. (6:30-8 am; 5:30-7 pm; 8-9:45 pm).   |
| XEXS         | Mexico City, D. F. 100 w. Departamento de Salubridad Publica.  | 6480 TGWB  | Guatemala City, Guat. 1 kw. (Reported on 6495). See TGWA.  |
| ZGE          | Kuala Lumpur, F.M.S. Institute of Medical Research. Sun, Tue, Fri, 6:40-8:40 am. Saigon, Fr Indo-China. "Radio Boy-Landry," Establishments Boy-Landry. 5:30-9 am.                | 6500 HIL   | Trujillo, D. R. 60 w. J. C. Teixido, Apto. 623.  |
| 6235 HRD2    | La Ceiba, Honduras. 250 w. 8-11 pm. "La Voz de Atlantida."   | 6550 TIRCC | San Jose, C. Rica. 500 w. Accion Catolica, Pbco. Carlos Berge, Apto. 1064.   |
| 6243 HI1N    | Trujillo, D. R. 700 w. Weekdays, noon-2:30 pm; 5:45-10 pm. Sign off national anthem. Relays HI1N. J. M. Bonetti Burgos.  | 6565 HI5P  | Puerto Plata, D. R. 30 w. J. M. Modesto.   |
|              |  | 6590 COCU  | Havana, Cuba. Jorge Garcia Serra, Estrada a Plma 25, Vibora. (Sun, 6:55 am-midnight; Weekdays, 6:55 am-1 Trujillo, D. R. 100 w. Emilio Garden, Jr.                     |
|              |  | 6600 HI6P  | Rio Bamba, Ecuador. Fabrica de Tejidos de "El Prado," Apto. 98. (Thur, 9-11 pm).   |
|              |  | 6622 PRADO | Trujillo, D. R. 100 w. "La Voz de La RCA-Victor," F. A. Sanabria, Apto. 1105. Interval, bells; sign off, na-   |
|              |  | 6630 HIT   |  |

- tional anthem. (Sun, 10:45 pm-12:45 am; Weekdays, 5:45-8:45 pm).
- 6638 HC2RL Guayaquil, Ecuador. 200 w. "Quinta Piedad," Dr. Roberto Levi, Casilla 759. Interval, "Hello, America," sign off, national anthem. (Sun, 5:30-7:30 pm; Tues, 9-11 pm).
- 6660 HI6Y Trujillo, D. R. 30 w. Alfonso Cuervo.
- 6675 HBQ Geneva, Switzerland. "Radio Nations." (Sun, 1:45-2:45 pm).
- 6690 VK8SK Broken Hill, Australia. At 2:30 am. Australian Aerial Medical Service.
- 6700 TIEP San Jose, C. Rica. 1 kw. "La Voz del Tropico," Eduardo Pinto H., Aptdo. 257. (4-11 pm).
- 6710 PMH Bandoeng, Java, N.E.I. 1500 w.
- 6780 HIII San Pedro de Macoris, D. R. 250 w. "La Voz de Higuanamo," Domingo Dominguez.
- 6800 PZII Paramaribo, Surinam.
- 6960 Z2B Wellington, New Zealand. 200 w.
- 7000 to 7300 Amateurs.
- 7006 FETI Valladolid, Spain. 7:30 am-5:30 pm.
- 7010 XPSA Kweiyang, China. 10 kw. (Reported on 6970 and 7140). (5:30-10:55 am).
- 7088 PI1J Dordrecht, Netherlands. 50 w. Technical College. (Sat, 10 am-12:50 pm).
- 7090 FO8AA Papeete, Tahiti. Radio Club Oceanien. (Tues, Fri, 11 pm-midnight).
- 7100 EA9BJ Spanish Morocco.
- 7177 CR6AA Lobito, Angola. (Wed, Sat, 2:45-4:30 pm).
- 7200 EA8AE Las Palmas, Canaries. (Reported on 7150).
- 7220 12RO11 Rome, Italy. 100 kw. See "2RO."
- 7222 YV9AB In Venezuela on Guiana-Brazil Border. Expedition Tecnico de Minería y Geología, Ministerio de Fomento, Caracas.
- 7260 FET8 Spanish Morocco. (5-7 pm).
- 7270 EA8AS Tenerife, Canaries. Relays EAJ43. (Wed, 4-5 pm).
- 7300 VIG Port Moresby Papua. Relays 4 pm. A call sign, not time.
- 7310 .... Madrid, Spain. "Radio Nacional."
- 7380 XECR Mexico City, D. F. 20 kw. Secretaria de Relaciones Exteriores. (Sun, 6-8 pm).
- 7435 FG8AII Pointe-a-Pitre, Guadeloupe. "Radio Guadeloupe," Box 125. (6-7:30 pm).
- 7500 EAJ43 Santa Cruz de Tenerife, Canaries. Relays "Radio Nacional de Burgos." (8-9 am).
- 7510 JVP Tokyo, Japan. 50 kw. See "Tokyo" at end of list.
- 7797 HBP Geneva, Switzerland. "Radio Nations." (Sat, 5:30-6:30 pm).
- 7894 YSD San Salvador. Relays YSS, "Alma Cuscatleca." Director General de Telegrafos, Telefonos, y Radio Nacionales.
- 8650 HJ4DAU Medellin, Colombia. 250 w. Universidad Antioquia.
- 8664 COJK Camaguey, Cuba. 1 kw. 11:30 am-12:30 pm; 8-10 pm. (Reported on 8660 and 8680). Relays CMJK, "Radio Zenith," Jones Castillon y Cie., Finlay #3.
- 8700 COCO Havana, Cuba. 1 kw. Relays CMCK, Luis Casas Romero, Aptdo 98.
- 8820 HCJB Quito, Ecuador. 1 kw. "La Voz de los Andes," Clarence
- 8830 COCQ Havana, Cuba. 1 kw. Relays CMQ, "De La RCA-Victor," Calle 25 No. 225. (Reported on 8850).
- 9030 COBZ Havana, Cuba. 250 w. Relays CMBZ, "Radio Salas," Aptdo. 866. Opens, nightingales and canaries; interval, 4 chimes; closes, national anthem. (6:45 am-1 am).
- 9100 COBX Havana, Cuba. Relays CMBX. Alberto Alvarez, San Miguel 194.
- 9125 HAT4 Budapest, Hungary. 20 kw. Sun, Wed, 7-8 pm; Sat, 6-7 pm. Radiolabor, Kiserleti Allomasa, Gyali-ut 22, Budapest IX.
- 9125 HC2CW Guayaquil, Ecuador. "Ondas del Pacifico," Aptdo 1166.
- 9163 HC1GQ Quito, Ecuador. "Radiodifusora Nariz del Diablo." Sign off, "Blue Danube Waltz." Guayaquil & Quito R. R. Co., Aptdo. 159. (8:30-11 pm).
- 9234 .... Bucuresti, Romania. 2 kw. "Radio Experimental," Societatea Romana de Radiodifuziune, Str. Gral. Berthelot 60.
- 9290 HI2G Trujillo, D. R. 200 w. Relays HIG. Andres Cordero Puello.
- 9295 XTC Shanghai, China. (8-9 am).
- 9350 HS8PJ Bangkok, Thailand (formerly "Siam"). Post and Telegraph Dept.
- .... Fort de France, Martinique. "Radio Fort de France."
- 9363 COBC Havana, Cuba. Relays CMBC, "El Progreso Cubano," Aptdo 132. (6:55 am-midnight). (Reported on 10000).
- 9400 .... Saigon, Fr. Indo-China. 10 w. "Radio Michel-Robert," (Weekdays, 7-8:30 am).
- 9415 PJC2 Willemstad, Curacao. "Radio Curom," Emmastad.
- 9415 PLV Bandoeng, Java, N.E.I. 80 kw. Governments Radio-Dienst.
- 9437 COCH Havana, Cuba. 5 kw. Cadena Azul de Radio, Prado 63. (Sun, 8 am-10 pm; other days, 8 am-midnight).
- 9465 TAP Ankara, Turkey. 20 kw. 11:30 am-5 pm. See "Ankara."
- 9500 KZIB Manila, P. I. I Beck, Inc., (4-10 am; 6 pm-12:30 am).
- 9500 OFD Lahti, Finland. 1 kw. See "Lahti." (Weekdays, 5-6:30 am; 10 am-5 pm.)

- 9500 PRF5 Rio de Janeiro, D. F., Brazil. 12 kw. "A Vox do Brasil." Cia. Radio Internacional do Brasil, Marapicu, D. F. (4:45-5:45 pm).
- XEWV Mexico City, D. F. 10 kw. 8:55 am-midnight. "La Voz de la America Latina desde Mexico." Apto. 2516. Relays XEW. Cadena Radio-difusora Mexicana.
- XGOY Lungtso, China.
- 9503 XENA Mexico City, D. F. 100 w. (until 1 am).
- 9510 CXA8 Colonia, Uruguay. 2500 w. Relays LR3. "Real de San Carlos." (6 am-10 pm).
- 9510 GSB London, Gt. Britain. 20 kw. "B for Broadcasting." See "London." (1:30-3:50 am; 6:20-9:15 pm; 9:40-11:30 pm).
- HS8PJ Bangkok, Thailand (formerly "Siam"). Opening and interval signals, 3 ascending chimes. Post and Telegraph Dept., Col. Phra Aram.
- VK3ME Melbourne, Australia. 5 kw. Weekdays, 4-7 am. Amalgamated Wireless. (A/sia), Ltd., 167 King St.
- 9520 OZF Copenhagen, Denmark. 6 kw. 2-6 pm; 10-11 pm. Stats-radiofonien, Heibergsgade 7.
- XEDQ Guadalajara, Jal. 100 w. "Hablando a los Continentes desde Guadalajara." Relays XED, Apto. 197. Interval, 4 chimes; sign off, "Jarabe Tapatio."
- 9523 ZRG Pretoria, Union of So. Africa. 5 kw. See "Johannesburg." (Sat, 5-7 am; 9:30 am-4:45 pm; 11:45 pm-12:50 am; Sun, 5:30-7 am; 8:30 am-noon; 12:15-3:15 pm; Other days, 5-7 am; 9:30 am-3:30 pm; 11:45 pm-12:50 am).
- 9524 ..... Luxembourg. "Radio Luxembourg." (11 am-1 pm).
- 9525 ZBW3 Hong Kong. 2500 w. Hong Kong Broadcasting Committee, Box 200.
- 9530 KGEI San Francisco, Calif. 20 kw. See "KGEI." (3-9 am).
- 9530 LKC Oslo, Norway. 5 kw. See "Oslo."
- VUC2 Calcutta, India. 10 kw. 2:30-4:30 am. All-India Radio.
- WGEO Schenectady, N. Y. 40 kw. See "WGEA."
- 9535 JZI Tokyo, Japan. 20 kw. See "Tokyo." (4:40-5:30 pm).
- ..... Bern, Switzerland. 25 kw. See "Bern."
- 9536 VPD2 Suva, Fiji. 2 kw. Amalgamated Wireless, (A/sia), Ltd. (5:30-7 am).
- 9540 DJN Berlin, Germany. 50 kw. (12:05-2:30 am; 4:50-10:50 pm). See "Berlin" at end of list.
- 9544 HH2S Port-au-Prince, Haiti. Societe Haitienne de Radio-diffusion, Boite Postal 103.
- 9550 HVJ Vatican City. 15 kw. Wed, 2:30-3 pm; Sun, 5-5:30 am. See HVJ.
- TPB11 Paris, France. 25 kw. 11:15 pm-6 pm. See "Paris," at end of list.
- VUB2 Bombay, India. 10 kw. 12:30-4 am; 5-7:30 am; 10-11 pm. All India Radio.
- WGEA Schenectady, N. Y. 25 kw. See "WGEA."
- 9560 DJA Berlin, Germany. 50 kw. See "Berlin." (6:30-10:30 pm).
- 9562 OAX4T Lima, Peru. 10 kw. "Radio Nacional." Relays OAX4A. (Reported on 9560). Peruvian Gov't., Av. Petit Thouars 447. (7-8 am; 11:30 am-1:30 pm).
- 9570 KZRM Manila, Philippines. 5 kw. "Radio Manila," Far Eastern Bldg. Co., Insular Life Bldg. (4-10:30 am; 4:30-7 pm; 11 pm-12:30 am).
- 9570 WBOS Springfield, Mass. 10 kw. Relays NBC-WBZ-WBZA. Westinghouse Electric & Mfg. Co.
- WPIT Pittsburgh, Pa. 40 kw. See "WPIT."
- 9580 GSC London, Gt. Britain. 20 kw. "C for Corporation." See "London." (1:30-4 pm; 4:20-6 pm; 6:25-9:20 pm; 9:40-11:30 pm).
- VLR Melbourne, Vic., Australia. 2000 w. 3:15-9:45 am. See VLR.
- 9585 KZEH Manila, Philippines. Box 119.
- 9590 HP5J Panama City, Panama. 1 kw. (Reported on 9610). 6:30-11 pm. "La Voz de Panama." Aparado 867.
- PCJ Huizen, Netherlands. 60 kw. See "Hilversum." (Sun, 1:40-3 pm; 7:15-9:50 pm; Tu, 1:45-3:30 pm; 7-10:15 pm; W, 7:15-8:40 pm; F, 8-9 pm).
- VK2ME Sydney, Australia. 20 kw. Sun, 1-3 am; 5-11 am. Signature, laughing notes of kookaburra. Amalgamated Wireless, (A/sia), Ltd., 47 York St. (Sun, midn't-2 am; 4:30-8:30 am; 11:30 am-1:30 pm).
- VK6ME Perth, Australia. 5 kw. Weekdays, 6-8 am. Amalgamated Wireless, (A/sia), Ltd.
- VUD2 Delhi, India. 10 kw. 2-4:15 am; 8 am-1 pm; 10 pm-midnight. All-India Radio.
- VUD3 Delhi, India. 5 kw. 8 am-1 pm. All-India Radio.
- 9590 WCAB Philadelphia, Pa. 10 kw. See "WCAB." (M, Th, Sat, 6:30 pm-2 am; Wed, 9 pm-2 am).
- WLWO Cincinnati, Ohio. 10 kw. See "WLWO."
- 9595 HBL Geneva, Switzerland. 20 kw. "Radio Nations."
- 9600 CB960 Santiago de Chile. (6 pm).
- 9600 XEYU Mexico City, D. F. (9-11 pm).
- 9606 ZRL Capetown, Union of So. Africa. 5 kw. See "Johannesburg." (Sun, 3:30-4:30 am (or 4-5 am); 5:30-7 am; 9-11:45 am; noon-3 pm; Weekdays, 3:20-7:20 am; 9-11:45 am; noon-4 pm; 11:45 pm-12:50 pm).

- 9615 TIPG San Jose, C. Rica. 2 kw. "La Voz de la Victor," Claudia Martinez. (Reported on 9610). (7 am-11:30 pm; English hour Wed, Sat, 9-10 pm).
- 9616 HJ1ABP Cartagena, Colombia. 608 w. 4:30-10:30 pm. "Radio Cartagena," Aptado 37.
- 9620 HAD Budapest, Hungary. (6-9 pm).
- 9630 HJ7GAD Bucaramanga, Colombia. 650 w. Relays HJ7GAE. "Radio Bucaramanga."
- 9630 I2RO3 Rome, Italy. 100 kw. See "Rome." (12:07-12:56 pm; 1:01-2:55 pm; 5:30-9 pm).
- 9645 IH3W Port-au-Prince, Haiti. 30 w. 1-2 and 7-8 pm. C. Ricardo Widmaier, Box A-117.
- 9645 JLT2 Tokyo, Japan. See "Tokyo." (8-8:30 pm).
- 9650 IABA Addis Ababa, Ethiopia. 1 kw. E. I. A. R. (Sun, 3:30-3:55 am).
- 9650 WCBX New York, N. Y. 10 kw. See "WCBX." (10:30-11:30 pm).
- 9660 CR6AA Lobito, Angola.  
HVJ Vatican City. 15 kw. Wed, 2:30-3 pm; Sun, 5-5:30 am. See HVJ.
- 9670 I2RO9 Rome, Italy. 100 kw. See "Rome." (12:40-5:30 pm; 6-6:30 pm).
- 9675 DJX Berlin, Germany. 10:35 am-4:25 pm. See "Berlin" at end of list.
- 9685 TGWA Guatemala City, Guat. 10 kw. See "TGWA." (Sun, 7 pm-midnight; Weekdays, 7:30 pm-12:15 am).
- 9690 HMF Baghdad, Iraq. Qasr-El-Lahoor Brdsgst. Station. (3 pm).
- 9692 TI4NRII Heredia, Costa Rica. 750 w. Sun, 7-8 am; Tu, Th, Sat, 9-10 pm. Amando Cespedes Marin, Apartado 40.
- 9700 "Radio Martinique," Fort de France, Martinique 1500 w. 1:15-2:45 pm; 6-10 pm. Sign off with Marseillaise. Poste Seri. Boite 136.
- 9730 CB970 Valparaiso, Chile. (Reported on 9710). 6:30-11 pm.
- 9735 CSW7 Lisbon, Portugal. (8 pm).
- 9755 ZRO Durban, Union of So. Africa. 200 w. See "Johannesburg." (Sat, 3:30-7:30 am; 9-11:15 am; 11:20 am-4 pm; Sun, 5:30-7 am; 9-11:15 am; 11:20 am-3:20 pm; Other days, 3:30-7:30 am; 9-11:15 am; 11:20 am-3:45 pm).
- 9835 IRF Rome, Italy. 20 kw. See "Rome." (5:20-5:40 am; noon-12:25 pm; 12:40-1 pm; 1:50-2:30 pm; 6-9 pm).
- 9860 EAQ Madrid, Spain.
- 9925 JDY Dairen, Kwantung. 10 kw. 7-8 am. Manchuria Telephone and Telegraph Co.
- 9985 COCM Havana, Cuba. 1 kw. Relays CMCM, "Trans Radio Columbia." 23 No. 1113, Vedado.
- 10220 PSH Rio de Janeiro, Brazil. 12 kw. Relays PRF4; signs off with Brazilian National Hymn. Cia. Radio Internacional do Brasil, Caixa Postal 709. (Weekdays, 6-7 pm; M, 8-8:30 pm; F, 7-7:30 pm).
- 10330 ORK Brussels, Belgium. 11 kw. 1:30-3 pm.
- 10660 JVN Tokyo, Japan.
- 10740 JVM Tokyo, Japan.
- 11402 HBO Geneva, Switzerland. "Radio Nations." Sun, 7-7:45 pm.
- 11660 JVL Tokyo, Japan.
- 11673 IQY Rome, Italy. See "Rome." (5:20-5:40 am; 12:07-12:56 pm; 1:50-2:30 pm).
- 11700 HP5A Panama City. 300 w. Sun, 9 am-1 pm; 6-10 pm. Weekdays, 11:45 am-1 pm; 6-10 pm. "Radio Teatro Estrella de Panama." Sign off with "Anvil Chorus." Radio Teatro, Aptdo. 954.
- 11705 JLG3 Tokyo, Japan. See "Tokyo." (8-8:30 pm).
- 11705 SBP Stockholm, Sweden. 500 w. Sun, 1:15-4:15 pm; Wed, Sat, 8-9 pm; Daily 1-4:15 pm. Telegrafverket Tjanstebrev 5.
- 11718 CR7BH Lourenco Marques, Port. E. Agric. 200 w. Radio Club de Mocambique, Caixa 594. (Sun, 5-7 am; 10 am-12 pm; Weekdays, midn't-1 am; 4:30-6:30 am; 9:30-11 am; noon-4 pm).
- 11718 TPB6 Paris, France. 7-9:15 pm. See "Paris."
- TPA4 Paris, France. 7-9:15 pm; 9:30 pm-midnight. See "Paris."
- 11720 CJRX Winnipeg, Man. 2 kw. James Richardson & Sons, 157 Royal Alexandra Hotel.
- 11721 ZP14 Villarrica, Paraguay. "Radio Cultura." (7:07-9:07 pm).
- 11730 PHH Huizen Netherlands. 23.6 kw. See Hilversum.
- WSLA Boston, Mass. 20 kw. See "WSLA."
- 11730 WSLR Boston, Mass. 20 kw. See "WSLA."
- 11735 LKQ Oslo, Norway. 5 kw. See "Oslo." (11 am-2 pm).
- 11740 HVJ Vatican City. 15 kw. Tues, 8:30-9 am. See HVJ.
- 11750 GSD London, Gt. Britain. 20 kw. "D For Daventry." See "London." (1:30-3:50 am; 12:35-4 pm; 4:20-6 pm; 6:20-9:15 pm; 9:40-11:30 pm).
- 11753 COCX Havana, Cuba. Relays CMX, "Casa Lavin," Box 32. Sun 6-9 pm; weekdays 8 am-midnight).
- 11760 TGWA Guatemala City, Guat. 10 kw. Sun, 12:45-5:15 pm; Weekdays, 12:45-1:45 pm. See TGWA.

- 11770 DJD Berlin, Germany. 50 kw. 11:30 am-4:30 pm; 4:50-10:50 pm. See "Berlin."
- 11770 MTCY Hsingking, Manchukuo. Strasbourg." (10:11-30 pm).
- 11776 ... "Radio Luxembourg." Cie. Luxembourgeoise de Radiodiffusion, (1 hour daily, same hour for three days then advanced an hour for next 3-day period).
- 11780 HP3G Panama City, Pan. 750 w. "Ron Dalley." Opens, closes, with Prelude from "Traviata." Salvador Graziani, Box 1121. (6-10 pm).
- 11780 .... Saigon, Fr. Indo-China. "Radio Saigon." (6 am).
- 11790 WSLA Boston, Mass. 20 kw. See "WSLA."
- 11800 JZJ Tokyo, Japan. 50 kw. See "Tokyo." (7-9:30 am; 2:30-4 pm).
- 11801 DJZ Vienna, Germany. 50 kw. See "Berlin." (4:50-10:50 pm).
- 11810 I2RO4 Rome, Italy. 100 kw. See "Rome." (4:30-4:55 am; 5-7:25 am; 7:30-8:45 am; 10 am-3 pm; 6-9 pm).
- 11820 GSN London, Gt. Britain.
- 11830 WCBI Chicago, Ill. 500 w. See "WCBL."
- 11830 WCBX New York, N. Y. 10 kw. See "WCBX." (Sun. 3-6 pm; Daily exc. Sun, 4-6 pm; Daily 6:30-10 pm).
- 11840 KZRM Manila, Philippines. Erlanger & Gallinger, Inc., David St.
- 11840 OLR4A Prague, Bohemia. 35 kw. "Radio Podebrady." (M, Tu, W, Th, F, 8-10:30 am; Sun, 7:15-9:55 pm).
- 11850 HAD Budapest, Hungary. (2-6 pm).
- 11870 VUM2 Madras, India 10 kw. 4-4:30 am. All-India Radio.
- 11870 WPIT Pittsburgh, Pa. 40 kw. See "WPIT." (2-11 pm).
- 11870 ... Strasbourg, France. "Radio
- 11880 VLR3 Melbourne, Australia. 1-3 am. See VLR.
- 11885 TPA3 Paris, France. 25 kw. 2-5 am; 11:15 am-6 pm. See "Paris."
- TPB7 Paris, France. 25 kw. 9:30 pm-midnight. See "Paris."
- 11900 I2RO13 Rome, Italy. 100 kw. See 2RO.
- 11900 XGOY Chungking, China. Central Brdstg. Station. (5:30-10:30 am; 11-11:30 am; 4-6:30 pm).
- 11900 XMHA Shanghai, China. 445 Racecourse Road. (Reported on 11840 and 11857). (6 am).
- 11900 .... Hanoi, Fr. Indo-China. "Radio Hanoi II." 20 rue de la Pepiniere. (Sat, 8:30-10:30 pm; Sun, 12:01-9:30 am; Other days, 12:01-2:30 am; 6-9:30 am).
- 11930 PPH Rio de Janeiro, Brazil. (5:30 am).
- 11960 HI2X Trujillo, D. R. 900 w. Re-lays HIX. J. R. Saladin, Gobierno Dominicano. (Sun, 7:40-10:40 am).
- 12230 COCE Havana, Cuba. "La Voz del Transporte." Prado 18. (8 am-midn't.)
- 12235 TFJ Reykjavik, Iceland. 7500 w. Sun, 1:45-2:30 pm Icelandic State Broadcasting Service, Box 547.
- 12460 HCJB Quito, Ecuador. (Reported on 12450). Clarence W. Jones, Casilla 691. (Daily exc. Mon, 10-11 pm).
- 13900 YN3DG Leon, Nicaragua. (Verifies for 10c). (Sat, Sun, 10 pm).
- 14125 YV9AB In Venezuela on Guiana-Brazil Border. Expedition de la Gran Sabana, Ministerio de Fomento, Caracas.
- 14795 IQA Rome, Italy. See "Rome." (4:30-4:55 am).
- 14935 PSE Rio de Janeiro, Brazil. W, 4-4:10 pm; Th, Sat, 3-3:30 pm).
- 15110 DJL Berlin, Germany. 50 kw. 12:05-2 am; 8-9 am; 10:35 am-4:25 pm. See "Berlin."
- 15120 HVJ Vatican City. 15 kw. Tues, 10:30-11 am; Sun, 1-1:30 pm. See HVJ.
- 15130 TPB11 Paris, France. 25 kw. 2-5 am. See "Paris."
- WSLA Boston, Mass. 20 kw. See "WSLA."
- 15130 WSLR Boston, Mass. 20 kw. See "WSLA."
- 15140 GSF London, Gt. Britain. 15 kw. "F For Fortune." See "London." (5:45-8:50 am; 9 am-noon; 4:20-6 pm; 6:20-9:15 pm).
- 15160 JZK Tokyo, Japan. 50 kw. See "Tokyo." (Midnight-1:30 am; 7-9:30 am; 2:30-4 pm).
- VUD3 Delhi, India. 5 kw. 2-4:15 am; 10 pm-midnight. All-India Radio.
- XEWW Mexico City, D. F. 10 kw. "La Voz de la America Latina desde Mexico." Aptdo. 2516.
- 15170 LKV Oslo, Norway. 5 kw. See Oslo.
- 15170 TGWA Guatemala City, Guat. 10 kw. See "TGWA." (Sun, 12:01-1 am; 10:30 am-5:15 pm; Weekdays, 7:45-9 am; 12:45-3:45 pm).
- 15180 GSO London, Gt. Britain. "O For Ocean." See "London." (4:20-6 pm; 6:25-9:20 pm).
- 15195 TAQ Ankara, Turkey. 20 kw. Turkish Brdstg. System. Daily 5:30-7 am.
- 15200 DJB Berlin, Germany. 8 kw. See "Berlin." (5-11 am; 4:50-10:50 pm; Sun, 11:10 am-12:25 pm).
- 15210 WPIT Pittsburgh, Pa. 40 kw. See "WPIT." (9 am-2 pm).
- 15220 PCJ2 Hilversum, Netherlands. 60 kw. See "Hilversum." (Sun, 7:40-9:05 am; M, Th, 7:40-9 am; Tu, 1-2:30 am; W, 9:30-11:30 am; Tu, W, F, Sat, 7:40-8:45 am).

- 15240 CR7BD Lourenco Marques, Mozambique. Radio Club de Mocambique, Box 594. (Sun, 5-7 am; 10 am-2 pm; Other days, midn't-1 am; 4:30-6:30 am; 9:30-11 am; noon-4 pm).
- 15243 TPA2 Paris, France. 25 kw. 6-11 am. See "Paris."
- 15260 GSI London, Gt. Britain. "I For Island." See "London." (1:30 am-3:50 am; 12:25-4 pm).
- 15270 WCBX New York, N. Y. 10 kw. See "WCBX." (Sun, 1-2:30 pm; Other days, 1:30-3 pm).
- 15280 DJQ Berlin, Germany. 50 kw. Daily, 12:05-11 am; 4:50-10:50 pm. See "Berlin."
- 15280 HI3X Trujillo, D. R. 900 w. (Reported on 17400). Relays HIX. Secretaria de Comunicaciones y Obras Publicas. (Tu, F, 8:10-10:10 pm; Sun, 7:40-9:40 pm).
- LRU Buenos Aires, Argentina. 5 kw. 8 am-1 am. "Radio El Mundo," Calle Maipu 555.
- 15300 I2RO6 Rome, Italy. 100 kw. See "Rome." (4:10-4:55 am; 10 am-12:06 pm; 1:40-2:30 pm; 3:5-30 pm; 7:30-9 pm).
- 15300 LY24 Kaunas, Lithuania. (Reported on 15130). (Sun, 1 pm).
- 15310 GSP London, Gt. Britain. "P For Progress." See "London." (12:17-1:15 pm; 1:15-4 pm; 4:20-6 pm).
- 15330 KGEI San Francisco, Calif. 20 kw. See "KGEI." (1-4 am; 5-8 am; 12:30-8 pm).
- 15340 DJR Berlin, Germany. 50 kw. See "Berlin." (4:55-10:50 pm).
- 15410 .... Bucuresti, Romania. 50 kw. "Radio Bucuresti." (9-10:15 pm).
- 17760 DJE Berlin, Germany. 50 kw. See "Berlin." (12:05-5:50 am; 6-7:45 am; 8-11 am; 11:10 am-12:25 pm; 4:55-9 pm).
- 17770 PHI2 Huizen, Netherlands. 23.6 kw. See "Hilversum." (Sun, 6:40-10:05 am; M, Th, 7:40-9 am; Tu, W, F, Sat, 7:40-8:45 am).
- 17785 JZL Tokyo, Japan. See "Tokyo." (4:30-5:30 pm; 8-8:30 pm).
- 17790 GSG London, Gt. Britain. 5:45-8:50 am; 9 am-noon; 12:20-4 pm. See "London."
- 17800 TGWA Guatemala City, Guat. 10 kw. See "TGWA."
- 17810 GSV London, Gt. Britain. 5:45-8:50 am; 12:20-4 pm. See "London."
- 17840 HVJ Vatican City. 15 kw. See HVJ.
- 21470 GSH London, Gt. Britain. 5:45-8:50 am; 9 am-noon. See "London."
- 21520 WCAB Philadelphia, Pa. 10 kw. See "WCAB." (Noon-6 pm).
- 21530 GSJ London, Gt. Britain. 5:45-8:50 am. See "London."
- 21540 WPIT Pittsburgh, Pa. 40 kw. See "WPIT." (5:30-9 am).
- 21565 DJJ Berlin, Germany. 6-7:50 am. See "Berlin."
- 21570 WCBX New York, N. Y. 10 kw. See "WCBX." (8 am-12:30 pm).
- 21680 IAD Budapest, Hungary. (11 am-2 pm).

## Addresses

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

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

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

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

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

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

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

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

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

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

KGEI—Transmitter at Treasure Island. General Elec. Co., 235 Montgomery St., San Francisco, Calif.  
 TGWA—Radiodifusora National, "La Voz de Guatemala." Relay TGW. Return postage is not necessary for verifications.  
 VLR—Transmitter at Lyndhurst. Australian Broadcasting Commission (Victorian Division), P. O. Box 1686, GPO, Melbourne, Vic., Australia.  
 WCAI—Trans. at Newtown Square. Relays CBS-WCAU. WCAU Bredsg. Co., 1622 Chestnut St., Philadelphia, Pa.  
 WCBI—"The Voice of Labor." Transmitter, York Township. Relays NBC-WCFB. Sign off in English, French, German, Norwegian, Polish, Russian and Spanish. Chicago Federation of Labor, 366 Lake Shore Drive, Chicago, Ill.  
 WCBX—Transmitter at Wayne Twp., N. J. Relays CBS-WABC. Sign off, "Star Spangled Banner." Columbia Broadcasting Sys., 485 Madison Ave., New York City.  
 WGEA—Transmitter at South Schenectady. Relays NBC-WGY. Programs commence with discharge of man-made lightning.  
 WLWO—Transmitter at Mason. Relays St., Cincinnati, Ohio.  
 NBC-WLW. Crosley Corp., 1320 Arlington  
 WNB1—Transmitter at Bountal Brook, N. J. Relays NBC-WJZ. Sign off with "Star Spangled Banner." NBC, Inc., 30 Rockefeller Plaza, New York, N. Y.  
 WPII—Transmitter at Saxonburg. Relays NBC-KDKA. Westinghouse Electric & W.S.I.A.—"Dedicated to Enlightenment." World Mfg. Co., Grant Bldg., Pittsburgh, Pa.  
 Wide Broadcasting Corp., Educational Director, University Club, Boston, Mass.

K6KLN (b); K6MRV (a); K6MZA (b); K6NYD (a); K6OJI (abj); K6RVU (j); K7GSC (b); LU7BC (b); LU9FB (b); LY1AA (c); LY1J (b); NY1AE (a); OA4AR (a); OA4C (b); ON4MV (a); OQ5AE (i); OQ5RC (i); OZ1WB (c); PA0DR (a); PK2AY (i); PY2AZ (j); PY2BH (j); PY2ER (b); PY5AQ (b); PY7AI (i); TG5JG (b); TG9AA (hj); TG9BA (ab); T12FG (b); T12RC (a); T14AC (ab); T16HP (b); VPIWB (a); VP5BR (h); XE1CJ (j); XE1CQ (j); XE1GE (h); XE2KN (j); XE8ZA (i); YN1IP (bj); YN4AB (b); YV1AC (a); YV1AP (bj); YV1AQ (ab); YV3AQ (j); YV4AE (bj); YV4AP (a); YV5ABE (b); YV5AE (a); YV5AG (cj); YV5AG (cj); YV5AK (j); YV8AA (b).

**Twenty Meters-CST**

CE1AC (d); CE1AH (e); CE1AR (d); CE3AM (e); CE3DW (d); HC1FG (e); HH2B (d); H13N (de); H15X (d); HK1AB (d); HK3CI (c); HK4DC (d); KA1CS (d); K6BII (e); K6B1J (e); K6BNR (e); KA7EF (d); K4FKC (e); K6BAZ (e); KA1EF (d); KA1LB (d); KA1ME (d); K6CGK (e); K6GAS (e); KA1AE (d); K6ILW (ed); K6JPD (e); K6LCV (de); K6LEJ (ed); K6MVA (e); K6NYD (e); K6OES (e); K6OKW (e); K6OJI (de); K6OES (e); K6OFW (c); K6OJI (de); K6QMT (de); K6RVU (e); LU1QA (d); LU7BA (e); OA4C (e); PK3BD (d); PY2AC (d); TG9AA (d); T12GC (d); T14AC (de); YVAA9 (e); YV1AP (d); YV1AQ (de); YV1AE (d); YV5ABF (e); ZS5Q (e); ZS6EJ (e).

**Twenty Meters-PST**

All reported by (i); CE1AG; CE1AO; CE1AR; CE2AM; CE3AA; CE3AC; CE3AZ; CE3BK; CE3CG; CE3CH; CE3CO; CE3CZ; CE3EW; CN8BB; CT2BP; CX2CO; EA7BA; EK1AF; H115PA; HK1AA; HR2A; J2KN; J4CT; J5CW; J7CB; KA1AA; KA1AF; KA1BB; KA1CS; KA1CW; KA1ER; KA1FH; KA1JP; KA1Z; KA1ME; KA1MM; KA1OZ; KA1ZL; KA1ZL; KA3KH; KA4LH; KA7EF; K4FKC; K7GZH; K71HC; LU11H; LU1QA; LU3AJ; LU3DN; LU4CZ; LU4FG; LU4VA; LUSC; LUSZ; LU6DJ; LU7AG; LU7AZ; LU7BK; LU7IH; LU8AB; LUSAG; LU8EC; NY1AE; OA4AI; OA4C; OA4R; OQ5AE; OZ5BW; PA0MZ; PK1MF; PK1RI; PK2AY; PK2LZ; PK3BD; PK3WI; SM5JG; TG5JG; TG9RV; T12BS; T14AC; ZE1JX; ZS1AX; ZS2AH; ZS2AZ; ZS4AA; XU6KLe; XU8RB; XU8ZA; YV5ABF; ZS4H; ZS4L; ZS5AG; ZS5AW; ZS6BZ; ZS6CY; ZS6DJ; ZS6DW; ZS6DY; ZS6EB; ZS6EG; ZS6EU; ZS6FD.

**The Reporters**

- (a) Alton Caldwell, Jr., Brockton, Mass.
- (b) George Eder, Philadelphia, Pa.
- (c) Carl Horton, Athol, Mass.
- (d) Ralph Kastner, New Braunfels, Texas
- (e) Merton T. Meade, Kansas City, Mo.
- (f) William Pieper, Los Angeles, Calif.
- (g) George Poullain, Sydney, N. S., Canada
- (h) Carl Sylvester, Columbiaville, Mich.
- (i) LeRoy Waite, Ballston Spa, N. Y.
- (j) Walter F. Welch, Lynn, Mass.

**Amateur Calls Heard**

The calls are listed under the time zones in which they are 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**

CE3AG (a); K4FOW (adj); K4FRN (a); K5AP (a); K5AT (a); K6MVV (d); K6MVX (d); K6OQM (d); K6PAS (d); K6QLG (d); K6QNX (d); K6RVG (d); OQ5AB (ai); TG9AA (ad); VP6YB (a); W9BHP (i); XE1AC (a); XE1GL (a); XE2AC (a); XE2AS (aj); XE2FC (a); YN3DG (a); YV1AQ (a); ZS2AH (a); ZS4H (a); ZS4W (a); ZS5BZ (a); ZS6W (a); ZS6BS (a).

**Twenty Meters-A5T**

All reported by (g); HA3Y; HK3CK; I1MV; K4FKC; OZ5EW; YV4AE; YV5ABQ.

**Twenty Meters-EST**

CE1AC (bh); CE1AO (j); CE1AX (b); CE3AG (b); CT1QA (b); CT1QG (b); CT1QY (b); CT2BP (b); CX2CO (b); EK1AF (bj); ESSD (bc); HA3B (bi); HB9DO (a); HC2CC (b); HH2B (abj); HH5PA (ab); I113N (bj); HI3Q (b); HI5X (ab); H16Q (abj); I117I (b); HK1AG (bh); HK1AK (a); HK3AX (a); HK3CK (b); HK3CL (b); HK4DX (b); HPIA (cj); JSCA (c); KA1FH (h); KA7EF (h); KA4OP (b); K4EJF (l); K4EMD (a); K4EZF (a); K4FAB (b); K4FAY (abj); K4FJO (a); K4FKC (abj); K4FRM (a); K6BNR (aj); K6KCV (b); K6KVC (j);

# The WORLD'S Radio Stations

(Continued From November Issue)

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

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

|        |       |     |       |   |
|--------|-------|-----|-------|---|
| 2994   | KALF  | ... | 30    | Livengood, T. A. Clifton W. Hudson.   |
|        | KALZ  | T   | 25    | Grub Creek, T. A. E. C. Kraiger.  |
|        | KANK  | ... | 10    | Point Baker, T. A. A. R. Brueger.   |
|        | KANM  | ... | 10    | Burnett Inlet, T. A. Burnett Inlet Salmon Co.   |
|        | KAQM  | T   | 3     | Bethel, T. A. Society of the United Brethren<br>for Propagating the Gospel Among the Heathen. |
|        | KASI  | ... | 20    | Allakaket, T. A. Sam Dubin.   |
|        | KASK  | ... | 40    | Hughes, T. A. Linious McGee.  |
|        | KILY  | ... | 50    | Excursion Inlet, T. A. Northern Radio Co.,<br>1422 Jos. Vance Bldg., Seattle, Wash.           |
|        | WAZM  | FA  | 40    | Madison, Wis. Aeronautical Radio, Inc.  |
| 2996   | CY30  | FA  | ....  | Charlie Lake, B. C. United Air Transport, Ltd.  |
| 2998   | WNE   | ... | ....  | Anchorage, T. A.  |
| 3005   | WAZM  | FA  | 40    | Madison, Wis. Aeronautical Radio, Inc.<br>Ft. Jefferson Nat'l Mon., Fla. Nat'l. Park Service. |
| 3040   | YDA   | B   | 10000 | Tandjong Priok, Java, N.E.I.  |
| 3045   | VBV6  | C   | ....  | Calgary, Alta. Dominion Gov't.  |
| 3062   | KGTD  | FA  | ....  | Wichita, Kans. Aeronautical Radio, Inc.   |
|        | KGTH  | FA  | ....  | Salt Lake City, Utah. Same as KGTD.   |
|        | KGTR  | FA  | ....  | Robertson, Mo. Same as KGTD.  |
|        | KST   | FA  | ....  | Kansas City, Mo. Same as KGTD.  |
|        | KSV   | FA  | ....  | Amarillo, Tex. Same as KGTD.  |
|        | KSN   | FA  | ....  | Albuquerque, N. Mex. Same as KGTD.  |
|        | WAEC  | FA  | ....  | Pittsburgh, Pa. Same as KGTD.   |
|        | WALO  | FA  | ....  | Chicago, Ill. Same as KGTD.   |
|        | WIJG  | FA  | ....  | Columbus, Ohio. Same as KGTD.   |
|        | WHM   | FA  | ....  | Indianapolis, Ind. Same as KGTD.  |
| 3072.5 | KGUP  | FA  | ....  | Phoenix, Ariz. Aeronautical Radio, Inc.   |
| 3082   | HRD   | FA  | 14    | Toncontin, Honduras. Pan American Airways.  |
| 3082.5 | KAAT  | FA  | ....  | Wake Island. Pan American Airways.  |
|        | KAUU  | FA  | ....  | Launch "Panair II-P". Same as KAAT.   |
|        | KABX  | FA  | 16    | Launch "Panair XI-P". Same as KAAT.   |
|        | KABO  | FA  | ....  | Launch "Panair IV-P". Same as KAAT.   |
|        | KABU  | FA  | ....  | Launch "Panair XP". Same as KAAT.   |
|        | KABV  | FA  | ....  | Refueling and Service Barge at Sand Island.<br>Same as KAAT.                                  |
|        | KAFO  | FA  | ....  | Pearl City, Oahu, T. H. Same as KAAT.   |
|        | KAFW  | FA  | ....  | Launch "Panair VI-P". Same as KAAT.   |
|        | KANB  | FA  | ....  | Sand Island, Midway Island Group. Same as<br>KAAT.  |
|        | KAPP  | FA  | ....  | Pago Pago, Tutuila. Same as KAAT.   |
|        | KASC  | FA  | ....  | Sumay, Guam. Same as KAAT.  |
|        | KASW  | FA  | 20    | Launch "Panair X-P". Same as KAAT.  |
|        | KAXN  | FA  | ....  | Launch "Panair XIII-P". Same as KAAT.   |
|        | KHAGH | A   | 50    | NC-14947. Lt. Col. G. R. Hutchinson. Balti-<br>more, Md.                                      |
|        | KINL  | FA  | ....  | Unuan, T. A. Pacific Alaska Airways.  |
|        | KTOA  | FA  | 20    | Tanana, T. A. Same as KINL.   |
|        | KNBF  | FA  | ....  | Mokapu Peninsula, Oahu, T. H. Same as KAAT.   |
|        | KTIC  | FA  | 16    | Treasure Island, Calif. Same as KAAT.   |
|        | KTTS  | FA  | 20    | Seaplane Tender "Sea Gull." New York City.<br>Same as KAAT.                                   |
|        | VEZ   | FA  | ....  | Burwash Landing, Y. T. Dominion Gov't.  |
|        | VOAC  | FA  | ....  | Grand Falls, Newfoundland. Nfld. Airport.<br>Squadron Leader H. A. L. Pattison.               |
|        | WASL  | FA  | ....  | Launch "Panair III-A". Same as KAAT.  |
| 3085   | KRBO  | F   | ....  | Bozeman, Mont.  |
|        | KBDG  | F   | ....  | Livingston, Mont.   |
| 3088   | KGUP  | ... | ....  | Phoenix, Ariz. Aeronautical Radio, Inc.   |
|        | WSDM  | FA  | ....  | Albany, N. Y. Same as KGUP.   |
| 3092.5 | KAGI  | T   | 50    | Hood Bay, T. A. Hood Bay Canning Co.  |
|        | KAGN  | T   | 50    | Portable in Alaska. Alaska Aeronautics & Com-<br>munications Commission.                      |
|        | KAGO  | T   | 10    | Portable in Alaska. Same as KAGN.   |
|        | KAJP  | C.T | ....  | Daly, T. A. Pacific American Fisheries, Inc.  |
|        | KAJX  | T   | 18    | Holy Cross, T. A. Catholic Society of Alaska.   |



|        |       |             |      |   |
|--------|-------|-------------|------|---|
|        | KAKL  | C           | .... | Kasaan, T. A. Same as KAJP.   |
|        | KBNL  | T           | 50   | Iron Creek, T. A. Southwestern Herring Co.  |
|        | KEXO  | T           | 50   | Portable in Alaska. Same as KAGN.   |
|        | KFXP  | T           | 50   | Portable in Alaska. Same as KAGN.   |
|        | KGM   | ....        | .... | Ketchikan, T. A. Alaska Pacific Salmon Co.  |
|        | KIAO  | ....        | .... | Rose Inlet, T. A. Same as KGM.  |
|        | KIAP  | ....        | .... | Rose Inlet, T. A. Same as KGM.  |
|        | KIAV  | ....        | .... | Port Althrop, T. A. Same as KGM.  |
|        | KIAW  | ....        | .... | Port Althrop, T. A. Same as KGM.  |
|        | KIAX  | ....        | .... | Ketchikan, T. A. Same as KGM.   |
|        | KIAY  | ....        | .... | Ketchikan, T. A. Same as KGM.   |
|        | KIAZ  | ....        | .... | Kake, T. A. Same as KGM.  |
|        | KIBA  | ....        | .... | Kake, T. A. Same as KGM.  |
|        | KIBI  | C.T         | .... | Daly, T. A. Same as KAJP.   |
|        | KIIP  | T           | 30   | Luckyshot, T. A. Jack M. Karteman.  |
|        | KIHH  | C           | .... | Squaw Harbor, T. A. Same as KAJP.   |
|        | KIOH  | T           | .... | Iron Creek, T. A. Same as KBNL.   |
|        | KIU   | CH          | 50   | Iron Creek, T. A. Same as KBNL.   |
|        | KKAA  | T           | 25   | Seattle, Wash. Yellow Band Gold Mines, Inc.   |
|        | KKAB  | T           | 25   | Seattle, Wash. Yellow Band Gold Mines, Inc.   |
|        | KL    | ....        | .... | Port Althrop, T. A. Same as KGM.  |
|        | KLC   | ....        | .... | Kake, T. A. Same as KGM.  |
|        | KLE   | ....        | .... | Rose Inlet, T. A. Same as KGM.  |
|        | KLY   | CH          | .... | Uganik Bay, T. A. San Juan Fishing & Packing Co., Seattle, Wash.  |
| 3093   | KAJO  | ....        | .... | Warren, T. A. Pacific American Fisheries, Inc.  |
|        | KALG  | ....        | .... | Squaw Harbor, T. A. Same as KAJO.   |
|        | KALH  | ....        | 100  | Port Moller, T. A. Same as KAJO.  |
|        | KALI  | ....        | 100  | Lazy Bay, T. A. Same as KAJO.   |
|        | KALJ  | ....        | .... | King Cove, T. A. Same as KAJO.  |
|        | KANG  | ....        | 20   | Stuyshok, T. A. Vance Hitt.   |
|        | KANR  | ....        | 20   | Kalskag, T. A. Fred H. Whitcher.  |
|        | KAQL  | ....        | 25   | Mountain Village, T. A. Norval Douglas Shepard.   |
| 3095   | KBAE  | F           | .... | Seward, T. A. (In Chugach Forest). U. S. Dept. of Agriculture, Forest Service.  |
|        | KBAF  | KBAG, KBAH, | .... | Same as Above.  |
|        | KBCC  | F           | .... | Mt. Shasta, Calif.  |
|        | KBCM  | F           | .... | Salmon, Idaho. (Salmon Forest).   |
|        | KBGN  | F           | .... | Salmon, Idaho. (Salmon Forest).   |
|        | KBDD  | F           | .... | Elko, Nev. (Humboldt Forest).   |
|        | KBDE  | F           | .... | Elko, Nev. (Humboldt Forest).   |
|        | KBEN  | F           | .... | Seward, Alaska.   |
|        | KBEZ  | F           | .... | Mt. Shasta, Calif.  |
|        | KBFH  | F           | .... | Leavenworth, Wash.  |
|        | VWLL  | F           | .... | Duluth, Minn. (Superior Forest).  |
|        | WWLM  | F           | .... | Escanaba, Mich. (Upper Mich. Forest).   |
| 3105   |       |             |      | Allocated as an aircraft calling and working frequency for use by non-scheduled aircraft in the Western Hemisphere only. Only airplanes which are believed to be of interest to DXers are listed on these airplane frequencies. |
|        | KHAGH | A           | 50   | NC-14947. Lt. Col. G. R. Hutchinson, Baltimore, Md.   |
|        | KHCY  | A           | 100  | NC-18997. American Export Airlines.   |
| 3120   | KHCY  | A           | 100  | NC-18997. American Export Airlines.   |
| 3147.5 | KRBD  | ....        | 400  | Red Bluff, Calif. Aeronautical Radio, Inc.  |
| 3148   | KEU   | FA          | .... | Burbank, Calif. Aeronautical Radio, Inc.  |
|        | KFM   | FA          | .... | Sacramento, Calif. Same as KEU.   |
|        | KFO   | FA          | .... | Oakland, Calif. Same as KEU.  |
|        | KGE   | FA          | .... | Medford, Ore. Same as KEU.  |
|        | KGQZ  | FA          | .... | San Diego, Calif. Same as KEU.  |
|        | KGT   | FA          | .... | Fresno, Calif. Same as KEU.   |
|        | KGTZ  | FA          | .... | Spokane, Wash. Same as KEU.   |
|        | KIJE  | FA          | .... | Pendleton, Ore. Same as KEU.  |
|        | KJE   | FA          | .... | Reno, Nev. Same as KEU.   |
|        | KKO   | FA          | .... | Elko, Nev. Same as KEU.   |
| 3155   | KBAL  | F           | 100  | Mineral, Wash. (Snoqualmie Forest).   |
|        | KBAP  | F           | .... | North Bend, Wash. (Snoqualmie Forest)   |
|        | KBBL  | F           | .... | Coolin, Idaho.  |
|        | KBBM  | F           | .... | Sandpoint, Idaho. (Kaniku Forest).  |
|        | KBBN  | F           | .... | Sandpoint, Idaho. (Kaniku Forest).  |
|        | KBBR  | F           | .... | Idaho, Wash. (Kaniku Forest).   |
|        | KBBW  | F           | .... | Libby, Mont. (Kootenai Forest).   |
|        | KBCT  | F           | .... | Custer, S. Dak. (Harney Forest).  |
|        | KBCV  | F           | .... | Thompson Falls, Mont. (Kootenai Forest).  |
|        | KBCY  | F           | .... | Troy, Mont. (Kootenai, Forest).   |
|        | KBDV  | F           | .... | Deadwood, S. Dak.   |

|        |      |     |      |   |
|--------|------|-----|------|---|
|        | WWKZ | F   | .... | Rhineland, Wis. (Nicolet Forest).   |
|        | WWLS | F   | .... | Forest, Miss. (Mississippi Forest).   |
|        | WWQA | F   | .... | Jackson, Miss.  |
| 3158   | YDE4 | D   | .... | Sourabaya, Java, N. E. I.   |
| 3162.5 | KRBD | ... | 400  | Red Bluff, Calif. Aeronautical Radio, Inc.  |
| 3172.5 | KNCN | FA  | 300  | Sheridan, Wyo. Aeronautical Radio, Inc.   |
|        | KRBD | FA  | 400  | Red Bluff, Calif. Same as KNCN.   |
|        | KRCG | FA  | 400  | Garden City, Kans. Same as KNCN.  |
|        | KRCW | FA  | 1000 | Wichita, Kans. Same as KNCN.  |
| 3182.5 | KRBD | FA  | 400  | Red Cluff, Calif. Aeronautical Radio, Inc.  |
| 3190   | KADN | ... | 50   | Baldy Mesa, Calif. City of Los Angeles Dept. of Water and Power.                          |
|        | KADP | ... | 50   | Clark Mts., Calif. Same as KADN.  |
|        | KAJH | ... | 20   | Anchorage, T. A. Libby, McNeill & Libby   |
|        | KAMP | ... | 50   | Craig, T. A. Same as KAJH.  |
|        | KAMS | ... | 100  | Taku, T. A. Same as KAJH.   |
|        | KAMT | ... | 100  | Kenai, T. A. Same as KAJH.  |
|        | KAMV | ... | 4    | Moored Scow V No. 1, in Alaska. Same as KAJH.   |
|        | KANC | ... | 4    | Moored Scow No. 5 No. 171693, in Alaska. Same as KAJH.                                    |
|        | KASY | SEM | 100  | Salt Lake City, Utah. Telegram Pub. Co.   |
|        | KASZ | SEM | 20   | Salt Lake City, Utah. Same as KASY.   |
|        | KATR | SEM | 53   | Mt. Shasta, Calif. State of Calif.  |
|        | KANP | T   | .... | St. Michael, T. A. Northern Commercial Co.  |
|        | KBNJ | ... | 50   | Sitka, T. A. Pyramid Packing Co.  |
|        | KBNK | ... | 50   | Sitka, T. A. Same as KBNJ.  |
|        | KLU  | ... | .... | Sitka, T. A. Same as KBNJ.  |
|        | KNCC | ... | 4    | Nushagak, T. A. Same as KAJH.   |
|        | KNCD | ... | 4    | Lockanok, T. A. Same as KAJH.   |
|        | KNCE | ... | 100  | Eruk, Bristol Bay, T. A. Same as KAJH.  |
|        | KNCF | ... | 100  | Egegik, T. A. Same as KAJH.   |
|        | KNGS | ... | 70   | Keggiing, T. A. Same as KAJH.   |
|        | WANC | SEM | 300  | New York City. American Legion, Ira Lou Spring Post No. 149.                              |
|        | WQPX | SEM | 168  | Portable in Ill. State of Ill. Dept. of Pub. Works, State Highway and Maintenance Police. |
| 3195   | KBBV | F   | .... | Spokane, Wash.  |
|        | KBBX | F   | .... | Missoula, Mont.   |
|        | KBCX | F   | .... | Missoula, Mont.   |
|        | KBDI | F   | .... | Republic Wash. (Colville Forest).   |
|        | KBDO | F   | .... | Alturas, Calif.   |
|        | KBEQ | F   | .... | Missoula, Mont.   |
|        | KBES | F   | .... | Missoula, Mont.   |
|        | KBEU | F   | .... | Missoula, Mont.   |
|        | KBFA | F   | .... | Missoula, Mont.   |
|        | WWKA | F   | .... | Laconia, N. H. (White Mt. Forest).  |
|        | WWKB | F   | .... | Laconia, N. H. (White Mt. Forest).  |
|        | WWKC | F   | .... | Berea, Ky.  |
|        | WWKD | F   | .... | Laconia, N. H. (White Mt. Forest).  |
|        | WWKE | F   | .... | McKee, Ky.  |
|        | WWKF | F   | .... | Cleveland, Tenn. (Cherokee Forest).   |
|        | WWKG | F   | .... | Tellico Plains, Tenn. (Cherokee Forest).  |
|        | WWKI | F   | .... | Laconia, N. H. (White Mt. Forest).  |
|        | WWKJ | F   | .... | Weston, Vt. (Green Mt. Forest).   |
|        | WWKS | F   | .... | Duluth, Minn. (Superior Forest).  |
|        | WWKU | F   | .... | Unicoi, Tenn. (Cherokee Forest).  |
|        | WWKX | F   | .... | St. Louis, Mo.  |
|        | WWLK | F   | .... | Duluth, Minn. Superior Forest).   |
|        | WWLN | F   | .... | Duluth, Minn. Superior Forest).   |
|        | WWLQ | F   | .... | Rutland, Vt. (Green Mt. Forest).  |
|        | WWLR | F   | .... | Rutland, Vt. (Green Mt. Forest).  |
|        | WWLT | F   | .... | Ocoee, Tenn. (Cherokee Forest).   |
|        | WWLU | F   | .... | Bristol Tenn. (Cherokee Forest).  |
|        | WWLV | F   | .... | Sabana Grande, Puerto Rico.   |
| 3202.5 | KBEV | F   | .... | Dillon, Mont.   |
|        | KBEW | F   | .... | Placerville, Calif.   |
| 3222   | KGTF | FA  | .... | Fort Worth, Texas. Aeronautical Radio, Inc.   |
|        | KGTV | FA  | .... | Beaumont, Texas. Same as KGTF.  |
|        | KGUA | FA  | .... | El Paso, Texas. Same as KGTF.   |
|        | KGUG | FA  | .... | Big Spring, Texas. Same as KGTF.  |
|        | KGUL | FA  | .... | Abilene, Texas. Same as KGTF.   |
|        | KGUN | FA  | .... | Douglas, Ariz. Same as KGTF.  |
|        | KGUO | FA  | .... | Tucson, Ariz. Same as KGTF.   |
|        | KGUP | FA  | .... | Phoenix, Ariz. Same as KGTF.  |
|        | KGUQ | FA  | .... | Indio, Calif. Same as KGTF.   |
|        | KGUR | FA  | .... | Glendale, Calif. Same as KGTF.  |

|        |       |      |   |  |
|--------|-------|------|---|--|
| 3222.5 | KHCOR | A    | 50  | NC-21750. Canadian-Colonial Airways, Inc.                                      |
|        | KHCQS | A    | 50  | NC-21750. Same as above.   |
|        | WSDJ  | FA   | 50  | Elkins, W. Va. (Days only). Aeronautical Radio.                                |
| 3235   | KBAT  | F    | ....  | Olympia, Wash.   |
|        | KBAU  | F    | ....  | Olympia, Wash.   |
|        | KBAV  | F    | ....  | Quincy, Calif.   |
|        | KBCL  | F    | ....  | Logandale, Nev. (Challis Forest).  |
|        | KBCS  | F    | ....  | Hailey, Idaho. (Sawtooth Forest).  |
|        | KBDL  | F    | ....  | Sonora, Calif., Supply Dept.   |
|        | KBER  | F    | ....  | Kamela, Ore.   |
|        | KNJM  | G    | ....  | Mesa Verde Nat'l. Park, Colo., U. S. Nat'l. Park Serv., Dept. of Interior.     |
|        | KNJN  | G    | ....  | Mt. McKinley Nat'l. Park, Alaska. Same as KNJN.                                |
|        | WSEH  | G    | ....  | Houghton, Mich. (Isle Royal N. P.). Same as KNJN.                              |
| WSEI   | G     | .... | Mott Island, Mich. (Isle Royal N. P.) Same as KNJN. |  |
| 3265   | KAKR  | ..   | 30  | Candle, T. A. Candle Community Radio Ass'n.                                    |
|        | KALY  | C    | 25  | Egavik, T. A. R. B. Julian.  |
|        | KBBE  | F    | ....  | Grangeville, Idaho. (Nezperce Forest).   |
|        | KBBF  | F    | ....  | Orofino, Idaho. (Clearwater Forest).   |
|        | KBBH  | F    | ....  | Orofino, Idaho. (Clearwater Forest).   |
|        | KBBI  | F    | ....  | Pierce, Idaho. (Clearwater Forest).  |
|        | KBBJ  | F    | ....  | Orofino, Idaho. (Clearwater Forest).   |
|        | KBBU  | F    | ....  | Elk City, Idaho. (Nezperce Forest).  |
|        | KBCU  | F    | ....  | Grangeville, Idaho. (Nezperce Forest).   |
|        | KBDP  | F    | ....  | Descanso, Calif. (Cleveland Forest).   |
|        | KBDT  | F    | ....  | Cascade Locks, Ore. (Mt. Hood Forest).   |
|        | KBFC  | F    | ....  | Nevada City, Calif.  |
|        | KIBZ  | T    | ....  | Waterfall, T. A. Nakat Packing Corp.   |
|        | K1LQ  | ..   | 100   | Skowl Arm, T. A. Deep Sea Salmon Co.   |
|        | KLA   | ..   | ....  | Waterfall, T. A. Same as KIBZ.   |
| WWLY   | F     | .... | Villalba, Puerto Rico.                              |  |
| 3270   | CZ7N  | FA   | ....  | Cache Bay, P. O. Canadian Airways, Ltd.  |
| 3280   | CIA   | T    | ....  | Barriefield, Ont. Dept. of Nat'l. Defense, Dominion Gov't.                     |
|        | CIP8  | C    | ....  | Calgary, Alta. Same as CIA.  |
|        | VEW   | C    | ....  | Calgary, Alta. Same as CIA.  |
| 3295   | WWLX  | F    | ....  | Luquillo, Puerto Rico.   |
| 3300   | CY3J  | T    | ....  | Anyox, B. C. Consolidated Mining & Smelting Co.                                |
|        | CZ5Y  | C-T  | ....  | Anyox, B. C. Same as CY3J.   |
|        | CZ7H  | T    | ....  | Cedar Greek, B. C. Same as CY3J.   |
| 3320   | YDH4  | B    | 30  | Bandoeng, Java, N. E. I.   |
| 3322.5 | KRBD  | FA   | 400   | Red Bluff, Calif. Aeronautical Radio, Inc.                                     |
| 3350   | K7XFQ | SE   | 150   | Anchorage, T. A. Alaska Aeronautical & Communication Commission.               |
|        | K7XFR | SE   | 150   | Ketchikan, T. A. Same as above.  |
|        | K7XFS | SE   | 150   | Ketchikan, T. A. Same as above.  |
|        | K7XFU | SE   | ....  | Juneau, T. A. Same as above.   |
|        | K7XGG | SE   | 150   | Cordova, T. A. Same as above.  |
|        | K7XGH | SE   | 150   | Gravina Island, T. A. Same as above.   |
|        | K7XGI | SE   | 150   | Ralston, T. A. Same as above.  |
| 3372.5 | WAQE  | FA   | ....  | So. Washington, Va. Aeronautical Radio, Inc.                                   |
|        | WAQS  | FA   | ....  | Grand Rapids, Mich. Same as WAQE.  |
|        | WAQU  | FA   | ....  | Detroit, Mich. Same as WAQE.   |
|        | WAQV  | FA   | ....  | Milwaukee, Wis. Same as WAQE.  |
|        | WAQW  | FA   | ....  | Pittsburgh, Pa. Same as WAQE.  |
|        | WARC  | FA   | ....  | Chicago, Ill. Same as WAQE.  |
|        | WAUA  | FA   | ....  | Norfolk, Va. Same as WAQE.   |
|        | WBSC  | FA   | ....  | Saginaw, Mich. Same as WAQE.   |
|        | WBSS  | FA   | ....  | Sault Ste. Marie, Mich. Same as WAQE.  |
|        | WBTC  | FA   | ....  | Traverse City, Mich. Same as WAQE.   |
|        | WPAL  | FA   | ....  | Cleveland, Ohio. Same as WAQE.   |
|        | WPXB  | FA   | ....  | Buffalo, N. Y. Same as WAQE.   |
|        | WPXH  | FA   | ....  | New Cumberland, Pa. Same as WAQE.  |
|        | WPXL  | FA   | ....  | Lansing, Mich. Same as WAQE.   |
|        | WPXM  | FA   | ....  | Muskegon, Mich. Same as WAQE.  |
| WPXW   | FA    | .... | Williamsport, Pa. Same as WAQE.                     |  |
| WPYA   | FA    | .... | Flint, Mich. Same as WAQE.                          |  |
| WPYB   | FA    | .... | Baltimore, Md. Same as WAQE.                        |  |
| 3385   | KBAA  | F    | ....  | Portland, Ore. (Radio Laboratory). U. S. Dept. of Agriculture, Forest Service. |
|        | KBCG  | F    | ....  | Yreka, Calif. (Klamath Forest). Same as KBAA.                                  |

|        |       |    |      |  |
|--------|-------|----|------|--|
| 3400   | K7XFO | SE | 150  | Anchorage, T. A. Alaska Aeronautical and Communications Commission.    |
|        | K7XFR | SE | 150  | Ketchikan, T. A. Same as above.  |
|        | K7XFS | SE | 150  | Ketchikan, T. A. Same as above.  |
|        | K7XFU | SE | 150  | Juneau, T. A. Same as above.   |
|        | K7XGG | SE | 150  | Cordova, T. A. Same as above.  |
|        | K7XGH | SE | 150  | Gravina Island, T. A. Same as above.                                   |
|        | K7XGI | SE | 150  | Ralston, T. A. Same as above.  |
|        | YV5RW | B  | .... | Caracas, Venezuela. "Radio Turmierto," Cesar Banuls.                   |
| 3410   | KCBO  | LH | 50   | Tillamook Rock Light, Ore. U. S. Lighthouse Service.                   |
|        | KNKG  | F  | .... | Ash Mt., Sequoia Nat'l. Park, Calif.                                   |
|        | KNLP  | F  | .... | Death Valley, Calif.   |
|        | WPB   | LH | .... | Portland, Maine  |
|        | WRJ   | LH | .... | Poc Reef, Mich.  |
|        | WSEO  | G  | .... | Catlinburg, Tenn. Great Smoky Nat'l. Park.                             |
|        | WST   | LH | .... | Dry Tortugas, Fla.   |
|        | WWAJ  | LH | .... | Maniton Island, Mich.  |
|        | WWAL  | LH | .... | Passage, Island, Mich.   |
|        | WWAM  | LH | .... | Rock of Ages, Mich.  |
|        | WWG   | LH | .... | Cheboygan, Mich.   |
|        | WWHJ  | LH | .... | Tender "Lyric."  |
|        | WWM   | LH | .... | Marquette, Mich.   |
|        | WWXC  | LH | .... | Lighthouse Ship "Canal."   |
|        | WWZ   | LH | .... | Key West, Fla.   |
| 3415   | KNJO  | G  | .... | General Grant N. P., Calif U. S. Nat'l. Park Serv., Dept. of Interior. |
|        | KNJP  | G  | .... | Grand Teton N. P., Wyo. Same as KNJO.                                  |
|        | KNJQ  | G  | .... | Sequoia Nat'l. Park, Calif. Same as KNJO.                              |
|        | KNJR  | G  | .... | Death Valley Nat'l. Mon., Calif. Same as KNJO.                         |
|        | KNJS  | G  | .... | Mt. Rainier N. P., Wash. Same as KNJO.                                 |
|        | KNJU  | G  | .... | Olympic N. P., Wash. Same as KNJO.                                     |
|        | WSEF  | G  | .... | Great Smoky Mts. N. P. Same as KNJO.                                   |
| 3420   | WWCR  | LH | .... | Cape Henry Lighthouse.   |
|        | WWDP  | LH | .... | Tender "Hollyhock."  |
| 3427.5 | KBEX  | F  | .... | Del Rosa, Calif.   |
|        | KBFB  | F  | .... | San Bernardino, Calif.   |
| 3430   | CY2Q  | SP | .... | Atlin, B. C. B. C. Provincial Police.                                  |
|        | CY4A  | FA | .... | Bousquet, P. O. General Airways, Ltd.                                  |
|        | CY6S  | F  | .... | Baldy Mt., B. C. Minister of Lands for B. C.                           |
|        | CZC   | SP | .... | Bralorne, B. C. Same as CY2Q.  |
|        | CZ4B  | F  | .... | Armstrong, Ont. Ont. Dept. of Lands and Forests.                       |
|        | CZ5C  | F  | .... | Basswood, Ont Same as CZ4B.  |
|        | CZ7A  | SP | .... | Alert Bay, B. C. Same as CY2Q.   |
| 3432.5 | KGTF  | FA | .... | Fort Worth, Texas. Aeronautical Radio, Inc.                            |
|        | KGUA  | FA | .... | El Paso, Texas. Same as KGTF.  |
|        | KGUG  | FA | .... | Big Spring, Texas. Same as KGTF.                                       |
|        | KGUL  | FA | .... | Abilene, Texas. Same as KGTF.  |
|        | KGUN  | FA | .... | Douglas, Ariz. Same as KGTF.   |
|        | KGUR  | FA | .... | Glendale, Calif. Same as KGTF.   |
|        | WAEI  | FA | .... | Detroit, Mich. Same as KGTF.   |
|        | WAEP  | FA | .... | Portable. Same as KGTF.  |
|        | WAES  | FA | .... | Syracuse, N. Y. Same as KGTF.  |
|        | WAET  | FA | .... | E. Hartford, Conn. Same as KGTF.                                       |
|        | WAEV  | FA | .... | Knoxville, Tenn. Same as KGTF.   |
|        | WAPD  | FA | .... | Chicago, Ill. Same as KGTF.  |
|        | WAQG  | FA | .... | Camden, N. J. Same as KGTF.  |
|        | WARO  | FA | .... | Portable. Same as KGTF.  |
|        | WAWB  | FA | .... | Bristol, Tenn. Same as KGTF.   |
|        | WMER  | FA | .... | Portable. Same as KGTF.  |
|        | WNEG  | FA | .... | Charleston, W. Va. Same as KGTF.                                       |
|        | WNEH  | FA | .... | So. Washington, Va. Same as KGTF.                                      |
|        | WSDG  | FA | .... | Chicago, Ill. Same as KGTF.  |
|        | WSDI  | FA | .... | Cincinnati, Ohio. Same as KGTF.  |
|        | WSDJ  | FA | 50   | Elkins, W. Va. Same as KGTF.   |
|        | WSDM  | FA | .... | Albany, N. Y. Same as KGTF.  |
|        | WSDO  | FA | .... | Buffalo, N. Y.   |
|        | WSDP  | FA | .... | Port Columbus, Ohio. Same as KGTF.                                     |
|        | WSDQ  | FA | .... | Berea, Ohio. Same as KGTF.   |
|        | WSDZ  | FA | .... | Indianapolis, Ind Same as KGTF.  |
| 3450   | BU4   | .. | .... | Indianapolis, Ind.   |
|        | YV6RC | B  | .... | Barcelona, Venez. Gobierno Edo. Anzoategui.                            |
| 3480   | YV3RF | B  | .... | Acarigua, Venez. "La Voz del Llano," Pausides Sigala                   |
|        | 2ZB   | B  | 200  | Wellington, New Zealand.   |

|                                   |        |     |                                   |   |       |      |   |  |
|-----------------------------------|--------|-----|-----------------------------------|---|-------|------|---|--|
| 3488                              | NZZ    | B   | 50                                | Rangoon, Burma.   |       |      |   |  |
| 3490                              | CR7AB  | B   | ....                              | Lourenco Marques, Mozambique.   |       |      |   |  |
| 3492.5                            | K6XAK  | GE  | 1500                              | Kaena Point, Oahu, T. H. Globe Wireless   |       |      |   |  |
|                                   | W4XID  | E1  | 50                                | W. Palm Beach, Fla. Gray Radio Co.  |       |      |   |  |
|                                   | W6XCS  | GE  | 50                                | San Francisco, Calif. Garlynn Eng. Co.  |       |      |   |  |
|                                   | W6XQW  | GE  | 1000                              | Palo Alto, Calif. Stamford University.  |       |      |   |  |
|                                   | W6XNT  | GE  | 5000                              | Portable. Press Wireless, Ltd.  |       |      |   |  |
|                                   | W7XBA  | E   | 15                                | Portable. Northern Radio Co.  |       |      |   |  |
|                                   | W7XEY  | E1  | 60                                | Seattle, Wash. Radio Labs., Inc.  |       |      |   |  |
|                                   | W7XEZ  | E1  | 60                                | Seattle, Wash. Radio Labs., Inc.  |       |      |   |  |
|                                   | W8XUK  | GE  | 10                                | Portable. W. Va. Univ. Dept. of Physics.  |       |      |   |  |
|                                   | W8XUL  | GE  | 10                                | Portable. Same as W8XUK.  |       |      |   |  |
|                                   | W10XJJ | ..  | 25                                | Portable. Harvey Radio Labs., Inc.  |       |      |   |  |
|                                   | W10XJP | ..  | 15                                | Portable. in Asia. Trans-Asia, Inc., Lawrence Thaw Expedition.                                |       |      |   |  |
|                                   | W10XJO | ..  | 15                                | Portable in Asia. Same as W10XJP.   |       |      |   |  |
| W10XJR                            | ..     | 15  | Portable in Asia. Same as W10XJP. |   |       |      |   |  |
| W10XJS                            | ..     | 15  | Portable in Asia. Same as W10XJP. |   |       |      |   |  |
| 3497                              | CLX    | ..  | 250                               | Havana, Cuba. Observatorio Nacional, Casa Blanca.   |       |      |   |  |
|                                   |        |     |                                   | 3500 to 4000 kcs. Amateurs  |       |      |   |  |
| 3500                              | YV5RV  | B   | ....                              | La Guaira, Venez. "Emisora Vargas," Gonzalo Veloz Mancera.                                    |       |      |   |  |
| 3732                              | TGB    | FA  | ....                              | Aviacion Nacional, Pais de la Aurora, Guatemala.  |       |      |   |  |
| 3750                              | CS2ZU  | ..  | 80                                | Ponta Delgada, Azores. Deodata Emilio Soares  |       |      |   |  |
|                                   |        |     |                                   | PVH   | B     | .... | Abrolhos, Brazil.                                   |  |
| 4002                              | CT2AJ  | B   | ....                              | Ponta Delgada, Azores.  |       |      |   |  |
| 4030                              | VK8SC  | SEM | ....                              | Port Hedland, Australia. Australian Airways   |       |      |   |  |
|                                   |        |     |                                   | Medical Service.  |       |      |   |  |
| 4055                              | K7XFQ  | SE  | 150                               | Anchorage, T. A. Alaska Aeronautical and Communications Commission.                           |       |      |   |  |
|                                   |        |     |                                   | K7XFR   | SE    | 150  | Ketchikan, T. A. Same as above.                     |  |
|                                   |        |     |                                   | K7XFS   | SE    | 150  | Ketchikan, T. A. Same as above.                     |  |
|                                   |        |     |                                   | K7XFU   | SE    | 150  | Juneau, T. A. Same as above.                        |  |
|                                   |        |     |                                   | K7XGG   | SE    | 150  | Cordova, T. A. Same as above.                       |  |
|                                   |        |     |                                   | K7XGH   | GE    | 150  | Gravina Island, T. A. Same as above.                |  |
|                                   |        |     |                                   | K7XGI   | SE    | 150  | Ralston, T. A. Same as above.                       |  |
| 4065                              | K7XFU  | ..  | ....                              | Juneau, T. A. Alaska Aeronautical and Communications Commission.                              |       |      |   |  |
| 4098                              | WND    | T   | 400                               | Hialeah, Fla. American Tel & Teleg Co., 32 Sixth Ave., New York City.                         |       |      |   |  |
| 4107                              | HCJB2  | B   | 1000                              | Quito, Ecuador.   |       |      |   |  |
| 4122.5                            | KBLC   | FA  | 50                                | Corpus Christi, Texas. Aeronautical Radio.  |       |      |   |  |
|                                   |        |     |                                   | KBRN  | FA    | 3000 | Brownsville, Texas. Same as KBLC.                   |  |
|                                   |        |     |                                   | KHAGH   | A     | 50   | NC.14947. Lt. Col. G. R. Hutchinson, Baltimore, Md. |  |
|                                   |        |     |                                   | WAHY  | FA    | 1000 | Memphis, Tenn. Same as KBLC.                        |  |
|                                   |        |     |                                   | WAHZ  | FA    | 50   | Birmingham, Ala. Same as KBLC.                      |  |
| 4125                              | K1QA   | FA  | 400                               | Muscle Shoals, Ala. Same as KBLC.   |       |      |   |  |
|                                   |        |     |                                   | WARS  | FA    | 50   | Beaumont, Texas. Same as KBLC.                      |  |
|                                   |        |     |                                   | WEEL  | FA    | 50   | Greenville, S. C. Same as KBLC.                     |  |
|                                   |        |     |                                   | WGSA  | FA    | 50   | Philadelphia, Pa. Same as KBLC.                     |  |
|                                   |        |     |                                   | WPAE  | FA    | 50   | Tampa, Fla. Same as KBLC.                           |  |
|                                   |        |     |                                   | WSTM  | FA    | 400  | Tanana, T. A. Pacific Alaska Airways, Inc.          |  |
|                                   |        |     |                                   | 4130  | VK8SK | SEM  | ....  | Broken Hill, NSW, Australia. Australian Airways Medical Service.                             |
|                                   |        |     |                                   | 4135  | KBAY  | F    | ....  | Milford, Utah.   |
|                                   |        |     |                                   | 4140  | KHC1Y | A    | 100   | NC-18997. American Export Airlines.  |
|                                   |        |     |                                   | 4178  | WOO   | T    | 20000   | Ocean Gate, N. J. American Tel & Teleg. Co., Long Lines Dept., 32 Sixth Ave., New York City. |
| Lawrenceville, N. J. Same as WOO. |        |     |                                   |   |       |      |   |  |
| 4200                              | CP2ANA | C   | ....                              | Sipiapo, Bolivia.   |       |      |   |  |
| 4253                              | WKF    | C   | ....                              | Lawrenceville, N. J. American Tel & Teleg. Co., Long Lines Dept., 32-6th Ave., New York City. |       |      |   |  |
|                                   |        |     |                                   | Khbarovsk, U. S. S. R.  |       |      |   |  |
| 4273                              | RV15   | B   | 20000                             | Dixon, Calif. Transpacific Communications Co., Ltd., 140 Montgomery St., San Francisco.       |       |      |   |  |
| 4280                              | KMI    | C   | ....                              | Pt. Washington, Wis. Lorain County Radio Corp.  |       |      |   |  |
|                                   |        |     |                                   | Duluth, Minn. Same as WAD.  |       |      |   |  |
| 4282.5                            | WAD    | CHT | ....                              | Lake Bluff, Ill. Thorne Donnelley.  |       |      |   |  |
|                                   |        |     |                                   | WAS   | CHT   | .... |   |  |
|                                   | WAY    | ..  | ....                              |   |       |      |   |  |

|      |      |     |      |   |
|------|------|-----|------|---|
|      | WVCY | CHT | 400  | West Dover, Ohio (600 w. days). Radiomarine Corp. |
|      | WMI  | CHT | .... | Lorain, Ohio. Same as WAD.                        |
| 4287 | WOM  | T   | .... | Hialeah, Fla. American Tel & Teleg. Co.           |
| 4290 | COY  | G   | .... | Havan, Cuba. Press & Cultural Dept., Cuban Army.  |
| 4295 | WTDV | ..  | 250  | Charlotte Amalie, Virgin Islands.                 |
|      | WTDW | ..  | 250  | St. Croix, Virgin Islands.                        |
|      | WTDX | ..  | 250  | St. John, Virgin Islands.                         |
| 4300 | 4ZB  | B   | 30   | Dunedin, New Zealand                              |

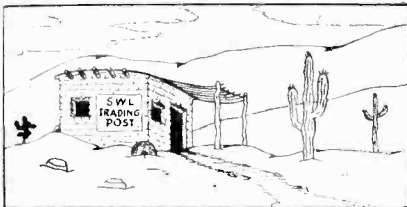
### Explanation of the Third Column Symbols:

A—Aircraft.  
 B—Broadcast.  
 C—Commercial Telegraph.  
 F—Forestry.  
 G—Government.  
 P—Police.  
 S—Ship.  
 T—Radio Telephone.  
 FA—Aeronautical (ground).  
 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.  
 CHT—Coastal harbor telephone.  
 E }  
 E1 } Experimental.  
 E2 }  
 GE—General Experimental.  
 SE—Special Experimental.  
 E3 }

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).



James O. Taylor, 17½ W. Main St., Crooksville, Ohio (Photos and correspondence).

Robert Chase, 231 Henry St., New York City. (SWL cards).

Earle S. Miller, Box 663, East Worcester, N. Y., will answer all radio questions free of charge.

LeRoy Swanson, 217 N. 15th St., Chariton, Iowa. (SWL cards).

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

Cliff Tavener, Rosenberg, Texas (SWL cards).

R. A. Roycroft, 21 Anzac Road, Whangarei, New Zealand. (SWL cards).

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

Jack Fern, 109 Bergen Ave., Clifton, N. J. (Correspondence).

Merton T. Meade, 819 Wyandotte St., Kansas City, Mo. (SWL cards).

Norbert Greenwood, 47 Allen St., Rutland, Vt. (SWL cards and correspondence).

George Cryder, Route 3, Box 299, Delaware, Ohio (Photos and SWL cards).

Geo. G. Canapp, 2023 Booth St., Baltimore, Md. (Correspond with Howard 430 owners).

### Applications to the FCC

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

KDON, Monterey, CP 500(1), 1440 kcs.  
 KEEN, Seattle, CP 1370 kcs. to 1420 kcs.  
 KERN, Bakersfield, CP 1380 kcs., 1000 w.  
 KEX, Portland, CP 1160 kcs. unltd.  
 KFBB, Great Falls, mod. of lic. for 900 kcs.,  
 5 kw.  
 KFIO, Spokane, CP 950 kcs., 1 kw. unltd.  
 KFNF, Shenandoah, mod. of CP to move  
 to Council Bluffs.  
 KFPW, Ft. Smith, CP 1370 kcs.  
 KFRU, Columbia, to 1370 kcs., 250 w. unltd.  
 KFYO, Lubbock, to 1380 kcs., 500(1).  
 KGDM, Stockton, 1530 kcs., 1 kw. unltd.  
 KGMB, Honolulu, CP 590 kcs. 1000(5) unltd.  
 KIRO, Seattle, CP 710 from 650; 1 kw unltd.  
 KMAC, San Antonio, CP 930 kcs., 1000 w.  
 unltd.  
 KOH, Reno, CP 630 kcs., 1 kw. unltd.  
 KOVC, Valley City, CP 1340 kcs., 500(1).  
 KOY, Phoenix, mod. of lic. for 550 kcs.  
 KRBC, Abilene, CP 940 from 1420; 1 kw.  
 KRMC, Jamestown, CP 900 kcs., 1 kw.  
 KROC, Rochester, CP 920 kcs., 500(1) unltd.  
 KRRV, Sherman, CP 880 kcs., 1 kw. unltd.  
 KSD, St. Louis, CP 630 kcs.  
 KSEI, Pocatello, CP 600 kcs., 1 kw. unltd.  
 KTBS, Shreveport, CP 620 kcs., 1000(5)  
 unltd.  
 KUTA, Salt Lake City, CP 570 kcs., 1 kw.  
 KWK, St. Louis, CP 630 kcs.  
 KXL, Portland, CP 730 kcs., 10 kw. unltd.  
 KXOK, St. Louis, CP 630 kcs., 1000(5).  
 KNYZ, Houston, CP 710 kcs.; 10 kw.  
 KYOS, Merced, CP 1390 from 1040; 500(1)  
 unltd.  
 WAPI, Birmingham, CP 1050 kcs., kw.  
 WCAD, Canton, CP Watertown, N. Y.  
 WCOL, Columbus, to 1200 kcs., 250 w. unltd.  
 WGBF, Evansville, CP 1250 kcs., 1000(5)  
 unltd.  
 WGRC, New Albany, CP 880 kcs., 250 w.  
 unltd.  
 WHA, Madison, CP 670 kcs. 50 kw. unltd.  
 (facilities of WMAQ).  
 WIBC, Indianapolis, mod. lic. 1130 from  
 1050; 1 kw.  
 WJJD, Chicago, CP 1040 from 1130;  
 1000(25) unltd.  
 WKAQ, San Juan, CP 620 kcs. 5 kw.  
 W LAP, Lexington, CP 1270 kcs. 1 kw. unltd.  
 WMAZ, Macon, CP 1240 kcs. unltd.  
 WMBC, Detroit, CP 600 kcs.  
 WMBR, Jacksonville, CP 1120 kcs. 500(1)  
 unltd.  
 WMFF, Plattsburg, CP 1240 kcs. 1 kw.  
 WNBX, Springfield, CP Keene, N. H., 1  
 kw. unltd.  
 WPG, Atlantic City, CP New York (facili-  
 ties WBIL and WOV).  
 WPRP, Ponce, mod. lic. 250 unltd; CP 1480  
 from 1420; 1000(5) unltd.  
 WREN, Lawrence, CP Kansas City.  
 WROL, Knoxville, CP 620 kcs. 500(1).  
 WSBT, South Bend, CP 930 kcs. 500 w.  
 unltd.  
 WSFA, Montgomery, CP 1410 kcs. 1 kw.  
 unltd.

WSPR, Springfield, CP 1240 from 1140; 500  
 w unltd.  
 WTCN, Minneapolis, CP 710 kcs. 10 kw.  
 unltd.  
 WTJS, Jackson, CP 1380 from 1310; 1 kw.;  
 mod. lic. 250 unltd.  
 WWVA, Wheeling, CP 1140 from 1160; 50  
 kw.

### Applications for New Stations

Albemarle, N. C., Albemarle Brdstg. Sta-  
 tion, 1370 kcs. 100 w. days.  
 Arlington, Va., Arlington Brdstg. Corp., 1420  
 kcs 250 unltd.  
 Ashland, Wis., WJMS, Inc., 1370 kcs. 100 w.  
 unltd.  
 Asheville, N. C., Publix-Bamford Theaters,  
 Inc., 1430 kcs. 1 kw. unltd.  
 Atlantic City, N. J., Atl. City Brdstg. Co.,  
 1100 kcs. 5 kw. sharing with WBIL.  
 Atlantic City, N. J., Neptune Brdstg. Corp.,  
 1420 kcs. 100(25).  
 Bainbridge, Ga., Post Search Light Co., 1500  
 kcs., 100(25).  
 Bellingham, Wash., Bell Brdstg. Co., Inc.,  
 1200 kcs. 100(25).  
 Birmingham, Ala., B. News Co., 590 kcs. 1  
 kw. unltd.  
 Boston, Mass., Mayflower Brdstg. Corp.,  
 1410 kcs. 500(1).  
 Bridgeport, Conn., Chas. Greenblatt, 1190  
 kcs. 250 w. ltd.  
 Bridgeport, Conn., Harold Thomas, 1420 kcs.  
 250 unltd.  
 Brown City, Mich., Thumb Brdstg. Co.,  
 880 kcs. 1 kw. days.  
 Brownwood, Tex., Brown County Brdstg.  
 Co., 990 kcs. 1 kw. days.  
 Burlington, Iowa, Burlington Brdstg. Co.  
 Burlington, N. C., Burlington Brdstg. Co.,  
 1420 kcs., 100 D.  
 Burlington, N. C., Central Carolina Brdstg.  
 Co., 1420 kcs., 250 unltd.  
 kcs. 100 w. unltd.  
 Cedar Rapids, Iowa, The Gazette Co., 1420  
 Cheyenne, Wyo., Western Brdstg. Co., 1210  
 kcs. 100(25).  
 Cleveland, Ohio, Cuyahoga Valley Brdstg.  
 Co., 1500 kcs. 100 w. days.  
 Clinton, Iowa, Clinton Brdstg. Corp.  
 Columbus, Miss., Birney Imes, 1370 kcs.  
 100(25) unltd.  
 Ely, Nev. Eastern Nev. Brdstg. Co., 1500  
 kcs. 100 days.  
 Erie, Pa., Presque Isle Brdstg. Co., 1500  
 kcs. 100(25) unltd.  
 Everett, Wash., Cascade Brdstg. Co., 1420  
 kcs. 100(25) unltd.  
 Ft. Myers, Fla., Palm Radio Co., 1210 kcs.,  
 250 unltd.  
 Fremont, Nebr., Nebr. Brdstg. Corp., 1370  
 kcs. 100(25) unltd.  
 Greenville, Tex., Hunt Brdstg. Assn., 940  
 kcs., 1 kw D.  
 Hannibal, Mo., Courier Post Pub. Co.  
 High Point, N. C., High Point Brdstg. Co.,  
 1120 kcs., 250 unltd.  
 Hopkinsville, Ky., Paducah Brdstg. Co., Inc.,  
 1200 kcs. 250 unltd.  
 Jacksonville, Ill., Stephenson, Edge & Kors-  
 meyer, 1370 kcs., 250 unltd.  
 Kosciusko, Miss., P. K. Ewing, 1500 kcs.,  
 100(25), unltd.  
 Las Vegas, Nev., Las Vegas Brdstg. Co.,  
 1420 kcs. 100(25).  
 Las Vegas, Nev., Nev. Brdstg. Co., 1370  
 kcs. 100(25) unltd.  
 Logan, W. Va., Frey and Greever, 1200  
 kcs. 100 days.

|  |   |
|--|---|
| Lookout Mt., Ga., Lookout Mt. Corp., of Ga., 1370 kcs., 100(.25).  | San Diego, Calif., Jack Hazard, 1430 kcs., 500 w. unltld.   |
| Louisville, Ky., Gateway Brdstg. Co., 880 kcs. 500 unltld.   | San Juan, P. R., Enrique Abarca Sanfeliz, 580 kcs. 1 kw. unltld.  |
| Martinsville, W. Va., M. Brdstg. Co., 1420 kcs. 250 days.  | San Juan, P. R., United Theaters, Inc., 580 kcs. 1 kw. unltld.  |
| Martinsville, W. Va., Patrick Henry Brdstg. Co., 1420 kcs. 100(.25).   | Santa Monica, Calif., A. E. Austin, 1160 kcs. 100(.25).   |
| Marysville, Calif., Yuba-Sutter Broadcasters, 1320 kcs. 250 unltld.  | Scranton, Pa., Lackawanna Brdstg. Co., 1370 kcs. 100(.25).  |
| Miles City, Mont., E. F. Krebsbach 1310 kcs., 100(.25).  | Scranton, Pa., Union Brdstg. Co., 1370 kcs. 100(.25) unltld.  |
| Miles City, Mont., Star Printing Co., 1310 kcs., 250 unltld.   | Shelby, N. C., Jos. A. Lattimore, 1370 kcs. 100(.25) unltld.  |
| Minneapolis, Minn., Independent Merchants Brdstg. Co., 1300 kcs., 1 kw. unltld.                                    | Spartanburg, S. C., S. Advertising Co., 1370 kcs. 100(.25) unltld.                                      |
| Monterebello, Calif., Bureau of Education, 1420 kcs. 100 days (request contingent upon move of KECA to San Diego). | Springfield, Ohio, Radio Voice of Springfield, 1310 kcs. 100 unltld.                                    |
| Norfolk, Va., Colonial Brdstg. Corp., 1370 kcs. 100(.26).  | Springfield, Ohio, S. Radio Corp., 1310 kcs. 100 unltld.  |
| North Sacramento, Calif., Grant Union High School District, 1530 kcs., 1 kw.                                       | Springfield, Ohio, S. Radio Service, 780 kcs. 250 days.   |
| Ogdensburg, N. Y., St. Lawrence Brdstg. Corp., 1370 kcs., 250 w. unltld.   | Stuebenville, Ohio, Valley Brdstg. Co., 930 kcs., 1 kw D.   |
| Olney, Ill., Olney Brdstg. Co., 1210 kcs., 100(.25) unltld.  | Tacoma, Wash., Tacoma Brdstg. Co., 1420 kcs. 100(.25).  |
| Opelika, Ala., Opelika-Auburn Brdstg. Co., 1370 kcs. 100(.25).   | Tacoma, Wash., Michael J. Mingo, 1400 kcs. 250 unltld.  |
| Orlando, Fla., Hazelwood Co., 1390 kcs. 1 kw. unltld.  | Traverse City, Mich., Northern Brdstg. Co., 570 kcs. 500 days.  |
| Pawtucket, R. I., Pawtucket Brdstg. Co., 1390 kcs. 1 kw. unltld.   | Valdosta, Ga., John F. Arrington, Jr., 1230 kcs. 250 unltld.  |
| Phoenix, Ariz., M. C. Reese, 1200 kcs. 100(.25) unltld.  | Vincennes, Ind., Samuel M. Emison, 1420 kcs. 100 unltld.  |
| Ponce, P. R., Portorican American Brdstg. Co., 1340 kcs. 1 kw.   | Vincennes, Ind., Vin. Newspapers, Inc., 1420 kcs. 100 unltld.   |
| Pontiac, Mich., King-Trendle Brdstg. Corp., 1440 kcs. 250 unltld.  | Washington, D. C., Lawrence J. Heller, 1310 kcs. 100(.25).  |
| Riverside, Calif., Brdstg. Corp. of America, 1390 kcs. 1 kw.   | Watertown, N. Y., Black River Valley Brdstg. Co.  |
| Riverside, Calif., Richard T. Sampson, 1390 kcs. 250 days.   | Watertown, N. Y., Watertown Brdstg. Corp.   |
| Riverside, Calif., Mollin Investment Co., 1390 kcs., 500 w. D.   | Watertown, S. Dak., Midland Brdstg. Co., 1210 kcs., 100(.25).   |
| Rochester, N. Y., Edward J. Doyle, 1270 kcs. 500 days.   | Willsmar, Minn., Lakeland Brdstg. Co., 680 Wisconsin Rapids, Wis., Wm. F. Huffman, 1310 kcs., 100(.25). |
| Saginaw, Mich., Saginaw Brdstg. Co.  | Worcester, Mass., Winfield A. Schuster, 1200 kcs. 100 unltld.   |
| Salina, N. Y., Sentinel Brdstg. Corp., 620 kcs. 1 kw. unltld.  | Worcester, Mass., C. T. Sherer Co., Inc., 1200 kcs. 100(.25).   |
| Sandusky, Mich., Thumb Brdstg. Co., 880 kcs. 1 kw. days.   | Yuma, Ariz., Silver Crest Theaters, 1420 kcs. 100 S. H.   |

### The Month's Changes in Station Data

| New       |  |
|-----------|--|
| 720 XEWE  | Silao, Gto.                              |
| 1150 XEXH | Oaxaca, Oax.                             |
| 1160 XEFM | Leon, Gto.                               |
| 1210      | Ft. Myers, Fla.                          |
| 1230 NEHK | Guadalajara, Jal.                        |
| 1240 XEAD | Aguascalientes, Ags.                     |
| 1240 XEBC | Morelia, Micho.                          |
| 1240 NEDL | Navojoa, Son.                            |
| 1280 XEKR | Mexico City, D. F.                       |
| 1310 KUIN | Grants Pass, Oreg.                       |
| 1310 XEAU | Tijuana, B. Cia.                         |
| 1340 NELW | Guadalajara, Jal.                        |
| 1370 WHKY | Hickory, N. C.                           |
| 1400 XEA  | Campeche, Cam.                           |
| 1400 XEAF | Navojoa, Son.                            |
| 1400 XEDM | Torreón, Sin.                            |
| 1400 XEDS | Mazatlan, Sin.                           |
| 1500      | Cordelle, Ga.                            |
| 1500      | Syracuse, N. Y.                          |
|           | Frequency                                |
| 630 KVOD  | Denver Colo., from 920                   |
| 740 NEH   | Monterrey, N. L., from 720               |
| 890 KTKC  | Visalia, Calif. from 1190                |
| 930 WELI  | New Haven, Conn., from 900               |
| WELI      | New Haven, Conn., from 900               |
| 630 KVOD  | Denver, Colo., 1 kw from 500 w.          |
| 630 NEZ   | Merida, Yuc., 2 kw from 500 w.           |
| 890 KTKC  | Visalia, Calif., 1 kw from 250 D.        |
| 920 KFEL  | Denver, Colo., 1 kw from 500 w.          |
| 1010 XEU  | Veracruz, Ver. C., 500 from 250          |
| 1030 XEB  | Mexico City, 20 kw from 10 kw.           |
| 1200 KAST | Astoria, Ore., 250 from 100(.25)         |
| 1200 KELO | Sioux Falls, S. Dak., 250 from 100 (.25) |
| 1200 KGHI | Little Rock, Ark., 250 from 100(.25)     |

(Continued from page 82)



# 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.

- |  |                                       |   |
|--|---------------------------------------|---|
| <b>Second Column Symbols</b>   | N—National "Red" and "Blue" Networks. | a-b-c—Small letters show stations using same transmitter. |
| A—Status in doubt.   | P—Has Construction Permit only.       | 1-2-3—Figures denote stations sharing time.               |
| B—National "Blue" Network.   | Q—Station not in use.                 | ?—Reported but not officially confirmed.                  |
| C—Columbia Network.  | R—National "Red" Network.             | ....—No information.                                      |
| D—Daytime only.  | S—Sundays only.                       | <b>Fourth Column Symbols</b>                              |
| E—Minor Network.   | Sy—Synchronized.                      | a—Verifies for return postage.                            |
| F—Canadian Network.  | X—Has Permit to change power.         | b—Verifies only occasionally.                             |
| G—Specified Hours.   | Y—Has Permit to change location.      | d—Verifies for government postal card.                    |
| H—Assigned another frequency using this one under Special Authorization. | Z—Has Permit to change frequency.     | e—Verifies free   |
| J—Assigned lower power but using this power under Special Authorization. |                                       | f—Verifies for 10 cents.                                  |
| K—Licensed for facsimile.  |                                       | g—Card for postage; verify stamp for 10c.                 |
| L—Limited time.  |                                       | z—No information available.                               |
| M—Mutual Network.  |                                       |   |

## NORTH AMERICAN BROADCASTING STATIONS BY FREQUENCIES WITH SUNDAY'S TIME ON THE AIR

Time is Eastern Standard. Subtract 1 hour for Central, 2 hours for Mountain and 3 hours for Pacific. Add 5 hours for GMT. SS is "Sunset" and LS is "Local Sunset"

### 540 kcs. (552.2 m.)

|     |   |       |   |                |                  |
|-----|---|-------|---|----------------|------------------|
| CBK | F | 50000 |   |                |                  |
|     |   |       | a | Watrous, Sask. | Noon to midnight |

### 550 kcs. (545.1 m.)

|      |     |          |   |                    |                             |
|------|-----|----------|---|--------------------|-----------------------------|
| CFNB | F   | 1000     | a | Fredericton, N. B. | 7 am-11 pm                  |
| CMW  | ... | 2500     | a | Havana, Cuba.      | 9:55 am-9 pm                |
| KFUO | 2   | 500 (1)  | a | St. Louis, Mo.     | 9:30 am-1:30 pm; 4-5:30 pm; |
|      |     |          |   |                    | 10:15-11:15 pm              |
| KFYR | N   | 1000 (5) | a | Bismarck, N. Dak.  | 8 am-1 am                   |
| KOAC | ... | 1000     | a | Corvallis, Ore.    | Noon to midnight            |
| KSD  | 2R  | 1000 (5) | a | St. Louis, Mo.     | Silent                      |
| KTSA | C   | 1000 (5) | a | San Antonio, Texas | .....                       |
| WDEV | D   | 1000     | a | Waterbury, Vt.     | 6 am-LS                     |
| WGR  | C   | 1000 (5) | a | Buffalo, N. Y.     | 7 am-midnight               |
| WKRC | C   | 1000 (5) | a | Cincinnati, Ohio   | 8 am-2 am                   |
| WSVA | D   | 500      | a | Harrisonburg, Va.  | 9:30 am-5 pm                |

### 560 kcs. (535.4 m.)

|      |    |          |   |                       |                  |
|------|----|----------|---|-----------------------|------------------|
| KFDM | N  | 500 (1)  | a | Beaumont, Texas       | .....            |
| KLZ  | C  | 1000 (5) | a | Denver, Colo.         | 8:30 am-2 am     |
| KSFO | C  | 1000 (5) | a | San Francisco, Calif. | 10 am-4 am       |
| KWTO | D  | 5000     | a | Springfield, Mo.      | 7 am-LS          |
| WFIL | BM | 1000     | a | Philadelphia, Pa.     | 8 am-12:30 am    |
| WIND | C  | 1000 (5) | a | Gary, Ind.            | 6 am-4 am        |
| WIS  | N  | 1000 (5) | a | Columbia, S. C.       | 7 am-midnight    |
| WQAM | C  | 1000     | a | Miami, Fla.           | 6:45 am-midnight |

### 570 kcs. (526 m.)

|       |     |          |   |                      |              |
|-------|-----|----------|---|----------------------|--------------|
| KGKO  | N   | 1000 (5) | a | Fort Worth, Tex.     | 7 am-?       |
| KMTR  | ... | 1000     | a | Los Angeles, Calif.  | 8 am-2 am    |
| KVI   | C   | 1000 (5) | a | Tacoma, Wash.        | 9 am-3 am    |
| TISCV | 575 | 100      | z | Alajuela, Costa Rica | .....        |
| WKBN  | C1  | 500 (1)  | a | Youngstown, Ohio     | .....        |
| WMAM  | DP  | 250      | z | Marinette, Wis.      | .....        |
| WMCA  | ... | 1000     | a | New York, N. Y.      | 7 am-1:15 am |
| WNAX  | C   | 1000 (5) | a | Yankton, S. Dak.     | 7 am-?       |
| WOSU  | 1   | 1000     | a | Columbus, Ohio.      | Silent       |
| WSYR  | Ba  | 1000     | a | Syracuse, N. Y.      | 7 am-1 am    |
| WSYU  | Qa  | 1000     | a | Syracuse, N. Y.      | .....        |
| WWNC  | C   | 1000     | a | Asheville, N. C.     | 7:30 am-1 am |

## 580 kcs. (516.9 m.)

|      |     |         |
|------|-----|---------|
| CFPR | ... | 50      |
| CHRC | ... | 100     |
| CKCL | F   | 100     |
| CKPR | F   | 1000    |
| CKUA | F   | 500     |
| KMJ  | EKN | 1000    |
| KSAC | 2   | 500(1)  |
| WCHS | ... | 500(1)  |
| WDBO | C   | 1000(5) |
| WIBW | C2  | 1000(5) |
| WILL | D   | 5000    |
| WTAG | R   | 1000    |
| XEMU | ... | 250     |

|   |                       |                   |
|---|-----------------------|-------------------|
| a | Prince Rupert, B. C.  | 8 am-midnight     |
| a | Quebec, P. Q.         | 8 am-midnight     |
| a | Toronto, Ont.         | 8 am-midnight     |
| a | Fort William, Ont.    | 9 am-11 pm        |
| b | Edmonton, Alta.       | 11:15 pm-12:45 am |
| a | Fresno, Calif.        | 11 am-3 am        |
| a | Manhattan, Kans.      | 10:30 am-6:30 pm  |
| a | Charleston, W. Va.    | 8:45 am-1 am      |
| a | Orlando, Fla.         | 7 am-midnight     |
| a | Topeka, Kans.         | 5 am-?            |
| a | Urbana, Ill.          | 9 am-LS           |
| a | Worcester, Mass.      | 7:30 am-1 am      |
| z | Piedras Negras, Coah. | .....             |

## 590 kcs. (508.2 m.)

|      |     |         |
|------|-----|---------|
| CMCY | ... | 15000   |
| KHO  | R   | 1000(5) |
| WEEI | C   | 1000(5) |
| WKZO | BDX | 1000    |
| WOW  | R   | 1000(5) |

|   |                  |                 |
|---|------------------|-----------------|
| a | Havana, Cuba.    | 8 am-10 pm      |
| a | Spokane, Wash.   | 11 am-3 am      |
| a | Boston, Mass.    | 6:30 am-?       |
| a | Kalamazoo, Mich. | 8:15 am-5:15 pm |
| a | Omaha, Nebr.     | 7 am-3:30 am    |

## 600 kcs. (499.7 m.)

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

|   |                      |                  |
|---|----------------------|------------------|
| a | Montreal, P. Q.      | 9 am-11:15 pm    |
| a | Saskatoon, Sask.     | .....            |
| a | Vancouver, B. C.     | 7:45 am-1 am     |
| a | St. Pierre, Miquelon | .....            |
| a | San Diego, Calif.    | 11 am-3 am       |
| a | San Jose, Costa Rica | .....            |
| a | Baltimore, Md.       | 8:45 am-midnight |
| f | Bridgeport, Conn.    | 5 am-1 am        |
| a | Cedar Rapids, Iowa   | 6:30 am-1 am     |
| a | Memphis, Tenn.       | 7:30 am-1 am     |

## 610 kcs. (491.5 m.)

|      |     |         |
|------|-----|---------|
| CHNC | F   | 1000    |
| KFAR | P   | 1000    |
| KFRC | M   | 1000(5) |
| WCLE | DM  | 500     |
| WDAF | R   | 1000(5) |
| WIOD | Na  | 1000    |
| WIP  | ... | 1000    |
| WMBF | Qa  | 1000    |

|   |                       |               |
|---|-----------------------|---------------|
| a | New Carlisle, P. Q.   | 7:30 am-11 pm |
| z | Fairbanks, Alaska     | .....         |
| b | San Francisco, Calif. | .....         |
| a | Cleveland, Ohio       | 7 am-LS       |
| a | Kansas City, Mo.      | 7:30 am-1 am  |
| a | Miami, Fla.           | 7 am-midnight |
| a | Philadelphia, Pa.     | 7 am-1 am     |
| a | Miami, Fla.           | .....         |

## 620 kcs. (483.6 m.)

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

|   |                      |              |
|---|----------------------|--------------|
| a | Portland, Ore.       | 9 am-2 am    |
| a | Phoenix, Ariz.       | 9 am-1:15 am |
| z | Wichita Falls, Tex.  | .....        |
| b | San Jose, Costa Rica | .....        |
| a | Tampa, Fla.          | 8 am-1 am    |
| a | Greensburg, Pa.      | 8 am-5 pm    |
| a | Bangor, Maine        | 8 am-?       |
| a | St. Petersburg, Fla. | 7 am-1 am    |
| a | Milwaukee, Wis.      | 7 am-1:30 am |

## 630 kcs. (475.9 m.)

|      |     |        |
|------|-----|--------|
| CFCO | F   | 100    |
| CFCY | F   | 1000   |
| CJRC | F   | 1000   |
| CKOV | F   | 1000   |
| CMCD | ... | 15000  |
| KFRU | I   | 500(1) |
| KGFX | D   | 200    |
| KVOD | B   | 1000   |

|   |                         |                                |
|---|-------------------------|--------------------------------|
| a | Chatham, Ont.           | 8 am-10:30 pm                  |
| a | Charlottetown, P. E. I. | 9 am-11 pm                     |
| a | Winnipeg, Man.          | 8:30 am-2 am                   |
| a | Kelowna, B. C.          | 9 am-10:30 pm                  |
| a | Havana, Cuba            | 6-8 pm                         |
| a | Columbia, Mo.           | 8:30 am-6 pm                   |
| a | Pierre, S. Dak.         | .....                          |
| a | Denver, Colo.           | 9 am-12:30 pm; 9:30 pm-2:30 am |

|      |     |        |
|------|-----|--------|
| WGFB | N1  | 500(1) |
| WMAL | B   | 250(5) |
| WPRO | CX  | 500(1) |
| XEZ  | ... | 2000   |

|   |                   |                  |
|---|-------------------|------------------|
| a | Evansville, Ind.  | 8 am-1 am        |
| a | Washington, D. C. | 6:30 am-midnight |
| a | Providence, R. I. | 6 am-1 am        |
| a | Merida, Yuc.      | .....            |

## 640 kcs. (468.5 m.)

|     |     |       |
|-----|-----|-------|
| HOK | ... | ..... |
| KFI | R   | 50000 |

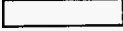
|   |                     |                         |
|---|---------------------|-------------------------|
| z | Colon, Panama       | Noon-2 pm; 6pm-midnight |
| f | Los Angeles, Calif. | 9:45 am-3 am            |

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

a St. John's, Nfld.  
 a Portland, Maine  
 a Columbus, Ohio  
 a Ames, Iowa  
 z Sabinas, Coah.  
 a San Salvador, E. S.

8:30 am-12:30 pm; 4:30-9:30 pm  
 7 am-5S on Pacific Coast  
 6:30 am-7:45 pm  
 Usually Silent  
 .....  
 .....

**650 kcs. (461.3 m.)**



TIGPH P ...  
 WSM KN 50000

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

.....  
 .....

**660 kcs. (454.3 m.)**



CMOA ... 200  
 KOWH D 500  
 WFAF R 50000  
 XEAO ... 250

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

7:55 am-11 pm  
 7 am-LS  
 6:30 am-1 am  
 .....

**670 kcs. (447.5 m.)**



WMAQ R 50000

b Chicago, Ill.

7 am-1 am

**680 kcs. (440.9 m.)**



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

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

.....  
 7 am-?  
 11 am-3 am  
 .....  
 7 am-LS  
 9 am-11 pm

**690 kcs. (434.5 m.)**



CFRB C 10000  
 CJCJ F 100  
 CMBC ... 200  
 TIGH ... 1000  
 XET ... 5000

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

10:30 am-midnight  
 9:30 am-1 am  
 6:55 am-10:30 pm  
 .....  
 5:30-9 pm

**700 kcs. (428.3 m.)**

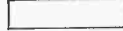


VOWR ... 500  
 WLW KMN 50000  
 W8XO Exp 500000

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

.....  
 8 am-2 am  
 .....

**710 kcs. (422.3 m.)**



CMKS ... 200  
 KIRO CHJ 1000  
 KMPC L 500  
 WOR KM 50000

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

.....  
 Until 8 am  
 9 am-8 am  
 6:25 am-2:05 am

**720 kcs. (416.4 m.)**



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

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

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

**730 kcs. (410.7 m.)**



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

a London, Ont.  
 a Edmonton, Alta.  
 a Montreal, P. Q.  
 a Tijuana, B. Cfa.  
 a Piedras Negras, Coah.  
 a Mexico City, D. F.

9 am-3 am  
 9 am-2 am  
 7:30 am-1 am  
 .....  
 .....  
 .....

**740 kcs. (405.2 m.)**



GMJX ... 200  
 KMMJ L 1000  
 KTRB D 250

z Camaguey, Cuba  
 a Grand Island, Nebr.  
 a Modesto, Calif.

.....  
 .....  
 9 am-8:30 pm

|      |     |       |   |                   |              |
|------|-----|-------|---|-------------------|--------------|
| WHEB | D   | 250   | a | Portsmouth, N. H. | 7 am-LS      |
| WSB  | R   | 50000 | a | Atlanta, Ga.      | 6:55 am-1 am |
| XEH  | ... | 250   | a | Monterrey, N. L.  | .....        |

## 750 kcs. (399.8 m.)

|      |     |       |   |                      |                  |
|------|-----|-------|---|----------------------|------------------|
| CMBL | ... | 200   | a | Havana, Cuba         | .....            |
| KGU  | LN  | 2500  | a | Honolulu, Hawaii     | 11:30 am-4:30 am |
| TING | ... | 375   | z | San Jose, Costa Rica | .....            |
| WJR  | C   | 50000 | a | Detroit, Mich.       | 5:30 am-2 am     |
| XEAA | ... | 200   | a | Mexicali, B. Cfa.    | .....            |
| XEAM | ... | 25    | z | Matamoros, Tam.      | .....            |

## 760 kcs. (394.5 m.)

|      |       |         |   |                    |               |
|------|-------|---------|---|--------------------|---------------|
| KXA  | X     | 250(.5) | a | Seattle, Wash.     | Until 6 am    |
| WBAL | BHMSy | 2500    | a | Baltimore, Md.     | 9 pm-1 am     |
| WCAL | D2    | 5000    | a | Northfield, Minn.  | Sunrise to LS |
| WEW  | D     | 1000    | a | St. Louis, Mo.     | 8 am-LS       |
| WJZ  | BSy   | 50000   | a | New York, N. Y.    | 6:30 am-1 am  |
| WLB  | D2    | 5000    | a | Minneapolis, Minn. | .....         |

## 770 kcs. (389.4 m.)

|      |        |       |   |                   |           |
|------|--------|-------|---|-------------------|-----------|
| CMKW | ...    | 200   | z | Santiago de Cuba  | .....     |
| KFAB | CSyXXZ | 10000 | a | Lincoln, Nebr.    | 7 am-1 am |
| TILJ | 775    | 450   | z | San Jose, C. Rica | .....     |
| WBBM | CSy    | 50000 | a | Chicago, Ill.     | .....     |

## 780 kcs. (384.4 m.)

|      |     |         |   |                     |                  |
|------|-----|---------|---|---------------------|------------------|
| CHWK | F   | 100     | f | Chilliwack, B. C.   | 11 am-1:15 am    |
| CKSO | F   | 1000    | a | Sudbury, Ont.       | 9 am-midnight    |
| CMQ  | N   | 25000   | a | Havana, Cuba        | .....            |
| KECA | ... | 1000(5) | a | Los Angeles, Calif. | 9 am-?           |
| KFDY | D   | 1000    | a | Brookings, S. Dak.  | 1:30-3 pm        |
| KFQD | ... | 250     | b | Anchorage, Alaska   | 11 pm-5 am       |
| KGHL | N   | 1000(5) | a | Billings, Mont.     | 9 am-1 am        |
| KWLK | D   | 250     | a | Longview, Wash.     | 11 am-LS         |
| WEAN | BM  | 1000(5) | a | Providence, R. I.   | 6 am-?           |
| WMC  | JR  | 5000    | a | Memphis, Tenn.      | 7:45 am-1 am     |
| WPIC | D   | 250     | a | Sharon, Pa.         | 8 am-LS          |
| WTAR | JN  | 5000    | g | Norfolk, Va.        | 8:30 am-midnight |
| XEN  | ... | 1000    | a | Mexico City, D. F.  | .....            |

## 790 kcs. (379.5 m.)

|      |     |       |   |                       |            |
|------|-----|-------|---|-----------------------|------------|
| CMGH | ... | 200   | a | Matanzas, Cuba        | .....      |
| KGO  | B   | 7500  | a | San Francisco, Calif. | 7 am-1 am  |
| KOAM | DN  | 1000  | a | Pittsburg, Kans.      | 8:30 am-LS |
| WGY  | R   | 50000 | a | Schenectady, N. Y.    | 7 am-1 am  |
| ZNS  | ... | 1000  | d | Nassau, Bahamas       | .....      |

## 800 kcs. (374.8 m.)

|      |     |       |   |                    |               |
|------|-----|-------|---|--------------------|---------------|
| HIX  | ... | 800   | a | Trujillo, D. R.    | .....         |
| TIXD | ... | 1000  | z | San Jose, Costa R. | .....         |
| WBAP | ENa | 50000 | a | Fort Worth, Texas  | 7 am-midnight |
| WFAA | ENa | 50000 | a | Dallas, Texas      | 9 am-12:30 am |
| WTBO | D   | 250   | a | Cumberland, Md.    | 8:30 am-LS    |

## 810 kcs. (370.2 m.)

|      |     |       |   |                    |                          |
|------|-----|-------|---|--------------------|--------------------------|
| CMCF | ... | 5000  | a | Havana, Cuba       | .....                    |
| WCCO | C   | 50000 | g | Minneapolis, Minn. | 7:30 am-1 am             |
| WNYC | D   | 1000  | a | New York, N. Y.    | 7 am-6:30 pm             |
| XEBZ | ... | 100   | a | Mexico City, D. F. | .....                    |
| XEDF | ... | 100   | a | Nuevo Laredo, Tam. | 11 am-3:15 pm; 7-8:15 pm |

## 820 kcs. (365.6 m.)

|      |     |       |   |                  |       |
|------|-----|-------|---|------------------|-------|
| WHAS | C   | 50000 | a | Louisville, Ky.  | ..... |
| XEBG | ... | 1000  | z | Tijuana, B. Cfa. | ..... |

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



|      |     |       |   |                    |
|------|-----|-------|---|--------------------|
| CMHI | E   | 1000  | a | Santa Clara, Cuba  |
| KOA  | R   | 50000 | a | Denver, Colo.      |
| TIEP | ... | 3000  | a | San Jose, C. Rica  |
| WEEU | DR  | 1000  | a | Reading, Pa.       |
| WHDH | L   | 1000  | a | Boston, Mass.      |
| WRUF | L   | 5000  | a | Gainesville, Fla.  |
| XERC | ... | 500   | z | Mexico City, D. F. |

.....  
9 am-2 am  
.....  
8 am-5 pm  
7 am-?  
7 am- 6pm  
.....

**840 kcs. (356.9 m.)**



|      |     |        |   |                    |
|------|-----|--------|---|--------------------|
| CBL  | F   | 50000  | a | Toronto, Ont.      |
| VOGY | ... | 400    | a | St. John's, Nfld.  |
| XERA | ... | 250000 | a | Villa Acuna, Coah. |

10:30 am-midnight  
8:30 .am-12:30 .pm; .4:30-  
9:30 pm  
.....

**850 kcs. (352.7 m.)**



|      |     |       |   |                   |
|------|-----|-------|---|-------------------|
| CMCM | ... | 200   | a | Havana, Cuba      |
| KIEV | D   | 250   | a | Glendale, Calif.  |
| WESG | CD  | 1000  | a | Elmira, N. Y.     |
| WKAR | DX  | 1000  | a | E. Lansing, Mich. |
| WWL  | C   | 50000 | a | New Orleans, La.  |

8 am-11 pm  
.....  
6 am-SS at New Orleans  
7 am-5 pm  
.....

**860 kcs. (348.6 m.)**



|       |     |       |   |                   |
|-------|-----|-------|---|-------------------|
| CMJA  | ... | 200   | a | Camaguey, Cuba    |
| TIEMC | ... | 250   | z | San Jose, C. Rica |
| WABC  | Ca  | 50000 | a | New York, N. Y.   |
| WBOQ  | QA  | 50000 | a | New York, N. Y.   |
| WHB   | DM  | 1000  | a | Kansas City, Mo.  |
| XEMO  | ... | 5000  | a | Tijuana, B. Cfa.  |

.....  
.....  
6:27 am-2 am  
.....  
.....  
9:45 am-3 am

**870 kcs. (344.6 m.)**



|      |     |       |   |                       |
|------|-----|-------|---|-----------------------|
| CMHO | ... | ..... | z | Sagua la Grande, Cuba |
| WENR | Ba  | 50000 | b | Chicago, Ill.         |
| WLS  | Ba  | 50000 | a | Chicago, Ill.         |
| XEFB | ... | 200   | a | Monterrey, N. L.      |

.....  
3 pm-midnight  
8 am-3 pm  
.....

**880 kcs. (340.7 m.)**



|      |     |        |   |                   |
|------|-----|--------|---|-------------------|
| CBO  | F   | 1000   | a | Ottawa, Ont.      |
| CFJC | F   | 1000   | a | Kamloops, B. C.   |
| CMX  | ... | 15000  | a | Havana, Cuba      |
| KFKA | M2  | 500(1) | a | Greeley, Colo.    |
| KLX  | ... | 1000   | a | Oakland, Calif.   |
| KPOF | 2   | 1000   | a | Denver, Colo.     |
| KVAN | D   | 250    | z | Vancouver, Wash.  |
| TILS | ... | 500    | b | San Jose, C. Rica |
| WCOC | C   | 1000   | a | Meridian, Miss.   |
| WGBI | CI  | 500(1) | f | Scranton, Pa.     |
| WQAN | I   | 500(1) | a | Scranton, Pa.     |
| WRNL | DX  | 500    | a | Richmond, Va.     |
| WSUI | ... | 500(1) | a | Iowa City, Iowa   |

7:45 am-midnight  
.....  
8 am-midnight  
7:30 am-1 am  
10:30 am-2:30 am  
9:30-11 am; 1-2:30 pm; 5-6  
pm; 9:30-11 pm  
6 am-LS  
.....  
.....  
12:30-10:30 pm  
12:30-10 pm  
6:30 am-LS  
10 am-11 pm

**890 kcs. (336.9 m.)**



|      |     |         |   |                     |
|------|-----|---------|---|---------------------|
| KARK | N   | 1000    | a | Little Rock, Ark.   |
| KFNF | X2  | 500(1)  | a | Shenandoah, Iowa    |
| KFPY | C   | 1000(5) | a | Spokane, Wash.      |
| KTKC | M   | 1000    | f | Visalia, Calif.     |
| KUSD | 2   | 500     | a | Vermillion, S. Dak. |
| WBAA | ... | 500(1)  | a | W. Lafayette, Ind.  |
| WGST | C   | 1000(5) | a | Atlanta, Ga.        |
| WJAR | R   | 1000(5) | a | Providence, R. I.   |
| WMMN | C   | 1000(5) | a | Fairmont, W. Va.    |
| XEW  | ... | 100000  | a | Mexico City, D. F.  |

7 am-1 am  
7 am-1 am  
9:50 am-3 am  
.....  
5-6 pm  
Noon-6 pm  
.....  
.....  
7:30 am-1 am  
5:30 am-?  
.....

**900 kcs. (333.1 m.)**



|      |     |         |   |                     |
|------|-----|---------|---|---------------------|
| HIG  | ... | 250     | z | Trujillo, D. R.     |
| KGBU | X   | 500     | a | Ketchikan, Alaska   |
| KHJ  | M   | 1000(5) | a | Los Angeles, Calif. |

.....  
.....  
11 am-4 am

|       |     |         |   |                      |              |
|-------|-----|---------|---|----------------------|--------------|
| KSEI  | N   | 250(1)  | a | Pocatello, Idaho     | 9:30 am-1 am |
| TIAFB | ... | 600     | z | San Jose, C. Rica    | .....        |
| WBEN  | R   | 1000(5) | a | Buffalo, N. Y.       | 7 am-1 am    |
| WFMD  | D   | 500     | a | Frederick, Md.       | 6:30 am-LS   |
| WJAX  | N   | 1000(5) | a | Jacksonville, Fla.   | 6:45 am-1 am |
| WKY   | N   | 1000(5) | a | Oklahoma City, Okla. | 7:45 am-1 am |
| WLBL  | D   | 5000    | a | Stevens Point, Wis.  | 9 am-5 pm    |
| WLTD  | D   | 1000    | a | Quincy, Ill.         | 8 am-5:45 pm |

**910 kcs. (329.6 m.)**

|      |     |       |   |                    |               |
|------|-----|-------|---|--------------------|---------------|
| CBF  | FN  | 50000 | a | Montreal, P. Q.    | 8 am-midnight |
| CJAT | F   | 1000  | a | Trail, B. C.       | 10 am-2 am    |
| CKY  | F   | 15000 | a | Winnipeg, Man.     | 8:30 am-1 am  |
| CMBO | ... | 5000  | a | Havana, Cuba       | 8 am-10:30 pm |
| CMKD | ... | 1000  | a | Santiago de Cuba   | .....         |
| XENT | Q   | 50000 | a | Nuevo Laredo, Tam. | 7 pm-8:15 am  |

**920 kcs. (325.9)**

|      |     |         |   |                    |              |
|------|-----|---------|---|--------------------|--------------|
| CMHT | ... | 200     | z | Trinidad, Cuba     | .....        |
| KFEL | M   | 1000    | a | Denver, Colo.      | 8 am-2:30 am |
| KOMO | R   | 1000(5) | a | Seattle, Wash.     | 11 am-2 am   |
| KPRC | ER  | 1000(5) | a | Houston, Texas     | 8:30 am-1 am |
| TIRS | 925 | 200     | z | San Jose, C. Rica  | .....        |
| WAAF | D   | 1000    | a | Chicago, Ill.      | 6 am-LS      |
| WORL | D   | 500     | a | Boston, Mass.      | 7 am-LS      |
| WPEN | ... | 1000    | a | Philadelphia, Pa.  | .....        |
| WSPA | D   | 1000    | a | Spartanburg, S. C. | 8 am-LS      |
| WWJ  | R   | 1000(5) | a | Detroit, Mich.     | .....        |

**930 kcs. (322.4 m.)**

|      |     |         |   |                  |                       |
|------|-----|---------|---|------------------|-----------------------|
| CFAC | F   | 1000    | a | Calgary, Alta.   | 9 am-2 am             |
| CFCH | F   | 100     | a | North Bay, Ont.  | .....                 |
| CFLC | ... | 1000    | a | Prescott, Ont.   | 7 am-10 pm            |
| CHNS | F   | 1000    | a | Halifax, N. S.   | 7:30 am-11 pm         |
| CKPC | ... | 100     | a | Brantford, Ont.  | .....                 |
| CMJF | ... | 200     | z | Camaguey, Cuba   | .....                 |
| KMA  | B   | 1000(5) | a | Shenandoah, Iowa | .....                 |
| KROW | ... | 1000    | a | Oakland, Calif.  | 9 am-5 am             |
| WBRC | R   | 1000(5) | a | Birmingham, Ala. | 8 am-12:30 am         |
| WDBJ | C   | 1000(5) | a | Roanoke, Va.     | 7 am-midnight         |
| WELI | ... | 250(5)  | a | New Haven, Conn. | 7 am-?                |
| XEBH | ... | 500     | a | Hermosillo, Son. | 1-3 pm; 9 pm-midnight |

**940 kcs. (319 m.)**

|      |     |           |   |                    |                  |
|------|-----|-----------|---|--------------------|------------------|
| CMBZ | ... | 200       | a | Havana, Cuba       | 7:45 am-1 am     |
| KOIN | C   | 1000(5)   | a | Portland, Ore.     | 11 am-3 am       |
| TIOS | ... | 500       | z | San Jose, C. Rica  | .....            |
| WAAT | D   | 500       | a | Jersey City, N. J. | 6:30 am-6 pm     |
| WAVE | N   | 1000      | a | Louisville, Ky.    | 8 am-1 am        |
| WCSH | R   | 1000(2.5) | a | Portland, Maine    | 7:30 am-midnight |
| WDAY | N   | 1000(5)   | a | Fargo, N. Dak.     | 7 am-1 am        |
| WHA  | D   | 5000      | a | Madison, Wis.      | 9 am-5:30 pm     |
| WICA | DX  | 250       | a | Ashtabula, Ohio    | 8 am-LS          |
| XEFO | ... | 5000      | a | Mexico City, D. F. | .....            |

**950 kcs. (315.6 m.)**

|      |     |         |   |                     |               |
|------|-----|---------|---|---------------------|---------------|
| CBV  | F   | 1000    | a | Quebec, P. Q.       | Noon-midnight |
| CJRM | F   | 1000    | a | Regina, Sask.       | .....         |
| CMKL | ... | 200     | z | Bayamo, Cuba        | .....         |
| KFWB | E   | 1000(5) | a | Los Angeles, Calif. | 9:30 am-4 am  |
| KMBC | C   | 1000(5) | a | Kansas City, Mo.    | 6:55 am-1 am  |
| VOAR | ... | 25      | z | St. John's, Nfld.   | .....         |
| WRC  | R   | 1000(5) | a | Washington, D. C.   | 6 am-1 am     |
| WTRY | DP  | 1000    | z | Troy, N. Y.         | .....         |

**960 kcs. (312.3 m.)**

|      |     |        |   |                 |                    |
|------|-----|--------|---|-----------------|--------------------|
| CBM  | FR  | 5000   | a | Montreal, P. Q. | .....              |
| CFRN | F   | 100    | a | Edmonton, Alta. | 9:30 am-2 am       |
| XEAW | ... | 100000 | a | Reynosa, Tam.   | 5-7:15 am; 7-11 pm |

**970 kcs. (309.1 m.)**

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

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

7:50 am-12:30 am  
 11 am-2 am  
 .....  
 8:30 am-5 pm

**980 kcs. (306 m.)**

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

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

.....  
 1 pm-1 am  
 .....

**990 kcs. (302.8 m.)**

WBZ B5y 50000  
 WBZA B5y 1000  
 XEAF ... 750  
 XEK X 100  
 XES ... 250

a Boston, Mass.  
 a Springfield, Mass.  
 a Nogales, Son.  
 a Mexico City, D. F.  
 a Tampico, Tam.

6 am-1 am  
 6 am-1 am  
 11 am-3 pm; 7pm-midnight  
 .....  
 .....

**1000 kcs. (299.8 m.)**

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

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

9 am-8:15 pm  
 .....  
 9 am-1 am  
 .....

**1010 kcs. (296.9 m.)**

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

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

9:30 am-11:30 pm  
 Silent  
 9:30 am-2 am  
 Noon-11:30 pm  
 .....  
 Noon-4 am  
 6:55 am-1 am  
 11:30 am-10 pm  
 9:30 am-3 am  
 7 am-1 am  
 3-10:15 pm  
 6:30 am-2 am  
 .....  
 8 am-1 am

**1020 kcs. (293.9 m.)**

KYW R 10000  
 WDZ D 1000  
 XEJ ... 1000

b Philadelphia, Pa.  
 a Tuscola, Ill.  
 a Juarez, Chih.

7:05 am-10 pm  
 7 am-6 pm  
 .....

**1030 kcs. (291.1 m.)**

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

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

9 am-1:30 am  
 .....  
 6:30 am-4 am  
 .....  
 10 am-12:15 am

**1040 kcs. (288.3 m.)**

KRLD C 50000  
 KWJJ HL 500  
 KYOS DM 250  
 VOCM ... 100  
 WTIC HR 50000

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

.....  
 10 am-5:45 am  
 11 am-LS  
 .....  
 6 am-1 am

**1050 kcs. (285.5 m.)**

CBA F 50000  
 CMCH ... ..  
 HIT ... 50  
 KFBI LY2 5000

a Sackville, N. B.  
 z—Havana, Cuba  
 z Trujillo, D. R.  
 a Abilene, Kans.

7 am-midnight  
 7:55 am-midnight  
 .....  
 7 am-7:45 pm

|      |    |         |   |                     |                 |
|------|----|---------|---|---------------------|-----------------|
| KNX  | C  | 50000   | b | Los Angeles, Calif. | 9:30 am-3:15 am |
| WEAU | LZ | 1000(5) | a | Eau Claire, Wis.    | .....           |
| WIBC | D  | 1000    | a | Indianapolis, Ind.  | 9 am-LS         |

**1060 kcs. (282.8 m.)**

|      |      |       |   |                   |                   |
|------|------|-------|---|-------------------|-------------------|
| KTHS | HN   | 10000 | a | Hot Springs, Ark. | 9 am-LS; 9pm-1 am |
| VOAC | 1065 | 40    | z | St. John's, Nfld. | .....             |
| WBAL | BM   | 10000 | a | Baltimore, Md.    | 6 am-9 pm         |
| WJAG | L    | 1000  | a | Norfolk, Nebr.    | 7:30 am-LS        |

**1070 kcs. (280.2 m.)**

|       |     |       |   |                       |               |
|-------|-----|-------|---|-----------------------|---------------|
| CMJW  | ... | 200   | z | Camaguey, Cuba        | .....         |
| KJBS  | L   | 500   | a | San Francisco, Calif. | 1 am-9:45 pm  |
| TINBC | P   | 5000  | z | San Jose, C. Rica     | .....         |
| WCAZ  | D   | 100   | a | Carthage, Ill.        | 10 am-4 pm    |
| WTAM  | R   | 50000 | a | Cleveland, Ohio       | 6 am-midnight |

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

|      |     |       |   |                    |                  |
|------|-----|-------|---|--------------------|------------------|
| CMBX | ... | 200   | a | Havana, Cuba       | .....            |
| CMKM | ... | 200   | a | Manzanillo, Cuba   | 6:45 am-midnight |
| WBT  | C   | 50000 | a | Charlotte, N. C.   | 6:45 am-midnight |
| WCBD | LI  | 5000  | a | Chicago, Ill.      | .....            |
| WMBI | LI  | 5000  | g | Chicago, Ill.      | Noon-3:30 pm     |
| XEBA | ... | 20    | z | Guzman, Jal.       | .....            |
| XEBK | ... | 100   | z | Nuevo Laredo, Tam. | .....            |
| XEDP | ... | 500   | a | Mexico City, D. F. | .....            |

**1090 kcs. (275.1 m.)**

|      |     |       |   |                       |           |
|------|-----|-------|---|-----------------------|-----------|
| CMHA | ... | 200   | z | Sagua la Grande, Cuba | .....     |
| HIN  | ... | 100   | z | Trujillo, D. R.       | .....     |
| KMOX | C   | 50000 | a | St. Louis, Mo.        | 7 am-1 am |
| XERB | ... | 50000 | a | Tijuana, B. Cfa.      | .....     |

**1100 kcs. (272.6 m.)**

|      |     |       |   |                      |                            |
|------|-----|-------|---|----------------------|----------------------------|
| CBR  | F   | 5000  | a | Vancouver, B. C.     | .....                      |
| CMHP | ... | 200   | z | Placetas, Cuba       | .....                      |
| KGDM | DM  | 1000  | f | Stockton, Calif.     | 9 am-LS                    |
| KWKH | CH  | 50000 | a | Shreveport, La.      | .....                      |
| WBIL | J   | 5000  | a | New York, N. Y.      | .....                      |
| WCAR | DP  | 1000  | z | Pontiac, Mich.       | .....                      |
| WPG  | CI  | 5000  | a | Atlantic City, N. J. | 9 am-8 pm; 9:15pm-midnight |
| XECL | ... | 1000  | z | Mexicali, B. Cfa.    | .....                      |

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

|      |     |       |   |                      |              |
|------|-----|-------|---|----------------------|--------------|
| CMCJ | ... | 200   | a | Havana, Cuba         | 8 am-9 pm    |
| KSOO | LN  | 5000  | a | Sioux Falls, S. Dak. | 9 am-LS      |
| WRVA | CM  | 50000 | a | Richmond, Va.        | 5:55 am-1 am |

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

|      |     |          |   |                        |               |
|------|-----|----------|---|------------------------|---------------|
| CBJ  | F   | 100      | a | Chicoutimi, P. Q.      | .....         |
| CHLP | F   | 100      | a | Montreal, P. Q.        | 9 am-11 pm    |
| CHSJ | F   | 100      | a | St. John, N. B.        | 5 am-midnight |
| CKOC | F   | 500(1)   | a | Hamilton, Ont.         | .....         |
| CKX  | F   | 1000     | a | Brandon, Man.          | 1 pm-12:30 am |
| CMGF | ... | 200      | a | Matanzas, Cuba         | .....         |
| KFIO | D   | 100      | a | Spokane, Wash.         | .....         |
| KFSG | a   | 500(2.5) | a | Los Angeles, Calif.    | 9 am-3 am     |
| KRKD | a   | 500(2.5) | a | Los Angeles, Calif.    | 9 am-3 am     |
| KRSC | ... | 250      | a | Seattle, Wash.         | .....         |
| KTBC | D2  | 1000     | z | Austin, Texas          | .....         |
| WCOP | D   | 500      | a | Boston, Mass.          | 7 am-4 pm     |
| WDEL | R   | 250(1)   | a | Wilmington, Del.       | 9 am-11 pm    |
| WISN | C   | 250(1)   | a | Milwaukee, Wis.        | 8 am-1 am     |
| WJBO | B   | 500      | a | Baton Rouge, La.       | 7:45 am-1 am  |
| WTAW | GZ  | 500      | a | College Station, Texas | .....         |



**1130 kcs. (265.3 m.)**



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

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

Noon-10 pm  
 8:30 am-3 am  
 6 am-6:45 pm  
 .....  
 .....

**1140 kcs. (263 m.)**



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

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

7:57 am-11 pm  
 7 am-?  
 9 am-1 am  
 7 am-5:45 pm

**1150 kcs. (260.7 m.)**



CMKG ... 200  
 WHAM N 50000  
 XEBP ... 250  
 XEC ... 100  
 XEDW ... 300  
 XEL ... 250  
 XEXH ... 400

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

.....  
 7 am-midnight  
 .....  
 .....  
 .....  
 .....  
 .....

**1160 kcs. (258.5 m.)**

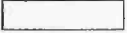


CMHJ ... 200  
 WWOV B1 10000  
 WWVA C1 5000  
 XEAS ... 100  
 XED ... 2500  
 XEFM ...  
 XEP ... 500

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

.....  
 .....  
 6 am-?  
 Noon-midnight  
 9 am-2 am

**1170 kcs. (256.3 m.)**



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

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

11 am-7 pm  
 7:30 am-1 am  
 .....

**1180 kcs. (254.1 m.)**



KEX B 5000  
 KOB N 10000  
 WDGY M 1000(5)  
 WINS L 1000  
 WMAZ CL 1000(5)

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

11 am-3 am  
 11 am-1 am  
 7 am-7 pm  
 .....  
 7 am-7 pm

**1190 kcs. (252 m.)**



CMKX ... 200  
 WQAI EN 50000  
 WSAZ L 1000

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

.....  
 7:30 am-12:30 am  
 7 am-7 pm

**1200 kcs. (249.9 m.)**



CFGP ... 100  
 CHAB B 100(.25)  
 CHGB F 100

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

Noon-8:15 pm  
 9 am-12:30 am

CKNX ... 100  
 CKTB F 100  
 CMCO ... 200  
 KADA EM 100  
 KAST ... 250  
 KBTM D 100  
 KELO N 100  
 KFJB ... 100(.25)  
 KFSD ... 100(.25)  
 KFXJ ... 100(.25)  
 KGDE ... 100(.25)  
 KGEK ... 100  
 KGFI ... 100  
 KGHJ ... 250  
 KHAS P 100(.25)

z Wingham, Ont.  
 a St. Catharines, Ont.  
 a Havana, Cuba  
 a Ada, Okla.  
 a Astoria, Ore.  
 a Jonesboro, Ark.  
 a Sioux Falls, S. Dak.  
 a Marshalltown, Iowa  
 a Nampa, Idaho  
 a Grand Junction, Colo.  
 b Fergus Falls, Minn.  
 f Sterling, Colo.  
 a Los Angeles, Calif.  
 a Little Rock, Ark.  
 z Hastings, Nebr.

.....  
 11 am-1 am  
 9:30 am-11:30 pm  
 7:55 am-midnight  
 .....  
 .....  
 9 am-6:30 pm  
 1 am-1 am  
 7 am-10 pm  
 8 am-11 pm  
 .....  
 8 am-10 p-m  
 1-2:15 pm  
 24 hours daily  
 8:30 am-11 pm  
 .....

|       |     |           |   |                         |                             |
|-------|-----|-----------|---|-------------------------|-----------------------------|
| KMLB  | ... | 250       | a | Monroe, La.             | .....                       |
| KOOS  | M   | 250       | a | Marshfield, Ore.        | 10 am-7:45 pm               |
| KSUN  | ... | 100 (.25) | a | Lowell, Ariz.           | 11 am-midnight              |
| KVCV  | M   | 100       | a | Redding, Calif.         | .....                       |
| KVEC  | M   | 250       | a | San Luis Obispo, Calif. | 11:30 am-3 am               |
| KVNU  | X   | 100       | z | Logan, Utah             | 9:30 am-?                   |
| KVOS  | MP  | 100       | a | Bellingham, Wash.       | .....                       |
| KWBD  | DP  | 100       | z | Plainview, Texas        | .....                       |
| KWG   | EN  | 100       | a | Stockton, Calif.        | 10 am-3 am                  |
| KWNO  | E   | 250       | a | Winona, Minn.           | .....                       |
| TIRCC | ... | 500       | z | San Jose, C. Rica       | .....                       |
| WABI  | C   | 250       | a | Bangor, Maine           | .....                       |
| WAIM  | C   | 100       | a | Anderson, S. C.         | 6 am-10 pm                  |
| WAYX  | ... | 250       | a | Waycross, Ga.           | 8 am-3 am                   |
| WBAB  | P   | 100 (.25) | z | Atlantic City, N. J.    | .....                       |
| WBBZ  | M   | 250       | a | Ponca City, Okla.       | 8 am-10 pm                  |
| WBHP  | ... | 100       | a | Huntsville, Ala.        | .....                       |
| WCAT  | D   | 100       | a | Rapid City, S. Dak.     | Noon-2 pm                   |
| WCAX  | ... | 250       | a | Burlington, Vt.         | Silent                      |
| WCLO  | ... | 250       | a | Janesville, Wis.        | 10 am-3 pm                  |
| WCPO  | ... | 250       | a | Cincinnati, Ohio        | 7 am-11:30 pm               |
| WDLP  | P   | 100 (.25) | z | Panama City, Fla.       | .....                       |
| WDSM  | M   | 100       | z | Superior, Wis.          | .....                       |
| WENY  | P   | 100 (.25) | z | Elmira, N. Y.           | .....                       |
| WEST  | ... | 250       | a | Easton, Pa.             | 7:30 am-9 pm                |
| WESX  | P   | 100       | z | Salem, Mass.            | .....                       |
| WFAM  | 4   | 100       | a | South Bend, Ind.        | .....                       |
| WFTC  | ... | 250       | a | Kinston, N. C.          | .....                       |
| WHBC  | ... | 100 (.25) | a | Canton, Ohio            | .....                       |
| WHBY  | E   | 100 (.25) | a | Green Bay, Wis.         | 10 am-11 pm                 |
| WIBX  | C   | 250       | a | Utica, N. Y.            | 5:30 am-1 am                |
| WIL   | ... | 250       | a | St. Louis, Mo.          | Until 3 am                  |
| WJBC  | ... | 250       | a | Bloomington, Ill.       | 4-8:30 pm                   |
| WJBL  | Z5  | 100       | a | Decatur, Ill.           | 8-10 am; 1:30-4 pm          |
| WJBW  | L   | 100       | a | New Orleans, La.        | 2 pm-3 am                   |
| WJHL  | ... | 250       | a | Johnson City, Tenn.     | .....                       |
| WJNO  | C   | 250       | a | W. Palm Beach, Fla.     | 2-11 am; 1-6 pm; 10 pm-1 am |
| WJRD  | D   | 250       | a | Tuscaloosa, Ala.        | .....                       |
| WKBO  | N   | 100 (.25) | a | Harrisburg, Pa.         | 8 am-11 pm                  |
| WLVA  | ... | 250       | a | Lynchburg, Va.          | 7 am-11 pm                  |
| WMFR  | ... | 100       | a | High Point, N. C.       | 7:45 am-7 pm                |
| WMOB  | DP  | 100       | z | Mobile, Ala.            | .....                       |
| WMPC  | G   | 250       | a | Lapeer, Mich.           | 7:45 am-7 pm                |
| WOLS  | ... | 100       | a | Florence, S. C.         | 9 am-?                      |
| WRBL  | C   | 250       | a | Columbus, Ga.           | 10 am-7 pm                  |
| WSKB  | D   | 100       | z | McComb, Miss.           | .....                       |
| WSOO  | P   | 100 (.25) | z | Saul Ste. Marie, Mich.  | .....                       |
| WTHT  | M   | 100       | a | Hartford, Conn.         | 7 am 4:15 pm                |
| WTOL  | ... | 100       | a | Toledo, Ohio            | .....                       |
| WWAE  | 4   | 100       | a | Hammond, Ind.           | .....                       |

1210 kcs. (247.8 m.)



|      |     |           |   |                        |                       |
|------|-----|-----------|---|------------------------|-----------------------|
| CHLT | ... | 100       | z | Sherbrooke, P. Q.      | .....                 |
| CJCS | ... | 50        | a | Stratford, Ont.        | 8 am-9 pm             |
| CJOC | F   | 100       | a | Lethbridge, Alta.      | 9 am-1 am             |
| CKBI | F   | 100       | a | Prince Albert, Sask.   | 9:45 am-1 am          |
| CKCH | F   | 100       | a | Hull, P. Q.            | 8 am-11 pm            |
| CKMC | ... | 50        | a | Cobalt, Ont.           | .....                 |
| CMHK | ... | 200       | z | Cruces, Cuba           | 10 am-1 pm; 4-10 pm   |
| KALB | ... | 250       | a | Alexandria, La.        | .....                 |
| KANS | N   | 100       | a | Wichita, Kans.         | 7:30 am-midnight      |
| KASA | M   | 100       | a | Elk City, Okla.        | 7 am-8 pm             |
| KLDR | ... | 250       | a | Devils Lake, N. Dak.   | 7:30 am-9:30 pm       |
| KDON | M   | 100       | a | Monterey, Calif.       | 9:30 am-?             |
| KFJI | ... | 100       | a | Klamath Falls, Ore.    | 9 am-?                |
| KFOR | EM  | 100 (.25) | a | Lincoln, Nebr.         | 8 am-11:15 pm         |
| KFPW | ... | 100       | a | Fort Smith, Ark.       | 10 am-3 pm; 6-9:35 pm |
| KFVS | G6  | 250       | a | Cape Girardeau, Mo.    | 10 am-3 pm; 6-10 pm   |
| KFXM | M2  | 100       | a | San Bernardino, Calif. | 9 am-3 am             |
| KGLO | C   | 250       | z | Mason City, Iowa       | 8 am-1 am             |
| KGY  | M   | 100       | a | Olympia, Wash.         | Silent                |
| KHBG | D   | 100       | a | Okmulgee, Okla.        | .....                 |
| KIUL | ... | 100       | a | Garden City, Kans.     | 8 am-10 pm            |
| KLAH | ... | 100 (.25) | a | Carlsbad, N. Mex.      | 11 am-9 pm            |
| KOCA | ... | 250       | a | Kilgore, Texas         | .....                 |
| KOVO | ... | 100 (.25) | z | Provo, Utah            | .....                 |

|       |     |          |
|-------|-----|----------|
| KPFA  | EN  | 250      |
| KPPC  | 2   | 100      |
| KROY  | C   | 100      |
| KVSO  | M   | 100(.25) |
| KWJB  | ..  | 250      |
| KWTN  | A   | 100      |
| KXOX  | DP  | 250      |
| KYUM  | P   | 100(.25) |
| WALR  | X   | 100      |
| WBAX  | M   | 100      |
| WBBL  | S   | 100      |
| WBRB  | 3   | 100      |
| WCOL  | NXZ | 100      |
| WCOU  | M   | 100(.25) |
| WCOV  | ..  | 100      |
| WCRW  | 4   | 100      |
| WEBQ  | G6  | 250      |
| WEDC  | ..  | 250      |
| WFAS  | 3   | 100      |
| WFOY  | ..  | 100(.25) |
| WGBB  | 3   | 100      |
| WGCM  | ..  | 100(.25) |
| WGRAM | Y   | 100(.25) |
| WHAI  | M   | 250      |
| WHBU  | ..  | 100(.25) |
| WIBU  | ..  | 250      |
| WINN  | P   | 100(.25) |
| WJBY  | E   | 250      |
| WJEJ  | ..  | 100      |
| WJIM  | B   | 250      |
| WJLS  | ..  | 250      |
| WJMC  | D   | 250      |
| WJTN  | B   | 250      |
| WJW   | ..  | 250      |
| WKOK  | ..  | 100      |
| WLOK  | D   | 100      |
| WMFG  | C   | 250      |
| WOCB  | P   | 100(.25) |
| WOMT  | ..  | 100      |
| WPAX  | ..  | 250      |
| WPIV  | P   | 100(.25) |
| WRAL  | M   | 250      |
| WSAY  | ..  | 250      |
| WSBC  | 4   | 250      |
| WSIX  | M   | 250      |
| WSNJ  | ..  | 250      |
| WSOC  | MN  | 100(.25) |
| WTAX  | ..  | 100      |
| WTMA  | ..  | 250      |
| XEAT  | ..  | 250      |
| XEE   | ..  | 50       |
| XEFV  | ..  | 50       |
| XETH  | ..  | 100      |
| ....  | P   | 100(.25) |

|   |                     |                             |
|---|---------------------|-----------------------------|
| a | Helena, Mont.       | 1 pm-midnight               |
| a | Pasadena, Calif.    | Noon-4 pm; 9:45 pm-midnight |
| a | Sacramento, Calif.  | 9:30 am-2:30 pm             |
| a | Ardmore, Okla.      | 8 am-11 pm                  |
| a | Globe, Ariz.        | .....                       |
| a | Watertown, S. Dak.  | .....                       |
| z | Sweetwater, Tex.    | .....                       |
| z | Yuma, Ariz.         | .....                       |
| a | Zanesville, Ohio    | 7 am-9 pm                   |
| a | Wilkes-Barre, Pa.   | .....                       |
| a | Richmond, Va.       | 11 am-9:15 pm               |
| a | Red Bank, N. J.     | Silent                      |
| a | Columbus, Ohio      | 7 am-12:30 am               |
| a | Lewiston, Maine     | 6 am-midnight               |
| z | Montgomery, Ala.    | .....                       |
| a | Chicago, Ill.       | 11 am-7 pm                  |
| a | Harrisburg, Ill.    | 7-10 am; 5-10:30 pm         |
| a | Chicago, Ill.       | 1-7 am                      |
| a | White Plains, N. Y. | .....                       |
| a | St. Augustine, Fla. | 8 am-8:45 pm                |
| a | Freeport, N. Y.     | .....                       |
| a | Gulfport, Miss.     | .....                       |
| a | Grenada, Miss.      | 8 am-LS                     |
| a | Greenfield, Mass.   | 7 am-?                      |
| a | Anderson, Ind.      | .....                       |
| a | Poynette, Wis.      | .....                       |
| z | Louisville, Ky.     | .....                       |
| a | Gadsden, Ala.       | 8 am-10:30 pm               |
| a | Hagerstown, Md.     | 9 am-10 pm                  |
| z | Lansing, Mich.      | 7:15 am-12:30 am            |
| z | Beckley, W. Va.     | .....                       |
| z | Rice Lake, Wis.     | .....                       |
| a | Jamestown, N. Y.    | 8 am-midnight               |
| a | Akron, Ohio         | 8 am-10:30 pm               |
| a | Sunbury, Pa.        | 6 am-midnight               |
| a | Lima, Ohio          | 6 am-5:15 pm                |
| a | Hibbing, Minn.      | 7:30 am-10 pm               |
| z | Hyannis, Mass.      | .....                       |
| a | Manitowoc, Wis.     | .....                       |
| a | Thomasville, Ga.    | 8 am-6 pm                   |
| z | Petersburg, Va.     | .....                       |
| z | Raleigh, N. C.      | 6 am-1 am                   |
| a | Rochester, N. Y.    | 7 am-12:30 am               |
| a | Chicago, Ill.       | 6 am-midnight               |
| a | Nashville, Tenn.    | 7 am-1 am                   |
| a | Bridgeton, N. J.    | 9 am-?                      |
| a | Charlotte, N. C.    | 7 am-midnight               |
| a | Springfield, Ill.   | .....                       |
| z | Charleston, S. C.   | .....                       |
| a | Parral, Chih.       | 11 am-9 pm                  |
| a | Durango, Dgo.       | .....                       |
| a | Juarez, Chih.       | .....                       |
| a | Puebla, Pue.        | .....                       |
| z | Ft. Myers, Fla.     | .....                       |

1220 kcs. (245.8 m.)



|        |      |         |
|--------|------|---------|
| KFKU   | a    | 1000(5) |
| KTMS   | BE   | 500     |
| KTW    | S2   | 1000    |
| KWSC   | 2    | 1000(5) |
| TIGPH2 | 1225 | 1000    |
| WCAD   | D    | 500     |
| WCAE   | MR   | 1000(5) |
| WDAE   | C    | 1000(5) |
| WGNV   | D    | 250     |
| WREN   | aB   | 1000(5) |
| XEBL   | ..   | 500     |
| XEDA   | ..   | 200     |
| XETF   | ..   | 12      |

|   |                       |                  |
|---|-----------------------|------------------|
| a | Lawrence, Kans.       | 3:30-7:30 pm     |
| z | Santa Barbara, Calif. | .....            |
| a | Seattle, Wash.        | Until 1 am       |
| a | Pullman, Wash.        | 9:45 am-12:30 am |
| b | San Jose, C. Rica     | .....            |
| a | Canton, N. Y.         | 12:30-4 pm       |
| a | Pittsburgh, Pa.       | 7 am-2:30 am     |
| a | Tampa, Fla.           | 7:30 am-midnight |
| a | Newburgh, N. Y.       | 7:30 am-LS       |
| a | Lawrence, Kans.       | 8 am-7 pm        |
| z | Mazatlan, Sin.        | .....            |
| z | Mexico City, D. F.    | .....            |
| a | Veracruz, Ver. C.     | .....            |

1230 kcs. (243.8 m.)



|      |    |         |
|------|----|---------|
| CMCB | .. | 200     |
| CMJE | .. | 200     |
| KGBX | N  | 500     |
| KGGM | C  | 1000    |
| KYA  | E  | 1000(5) |

|   |                       |                  |
|---|-----------------------|------------------|
| a | Havana, Cuba          | 8 am-11 pm       |
| z | Camaguey, Cuba        | .....            |
| a | Springfield, Mo.      | .....            |
| a | Albuquerque, N. Mex.  | 9:30 am-11:30 pm |
| a | San Francisco, Calif. | 11 am-3 am       |

|      |     |         |
|------|-----|---------|
| WFBM | C   | 1000(5) |
| WNAC | R   | 1000(5) |
| WOL  | M   | 1000    |
| XEG  | ... | 250     |
| XECA | ... | 250     |
| XEHK | ... | 125     |

|   |                    |
|---|--------------------|
| a | Indianapolis, Ind. |
| a | Boston, Mass.      |
| a | Washington, D. C.  |
| z | Monterrey, N. L.   |
| z | Tampico, Tam.      |
| z | Guadalajara, Jal.  |

|              |
|--------------|
| 7:30 am-1 am |
| 5 am-1 am    |
| 7 am-2 am    |
| .....        |
| .....        |
| .....        |

**1240 kcs. (241.8 m.)**

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

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

|                         |
|-------------------------|
| 10-11:30 am; 2:30-11 pm |
| .....                   |
| .....                   |
| 8 am-12:30 am           |
| 1-8 pm                  |
| 9 am-1 am               |
| 8 am-midnight           |
| 6 am-9:30 pm            |
| .....                   |
| .....                   |
| .....                   |
| .....                   |
| .....                   |
| .....                   |
| .....                   |
| .....                   |

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

|      |     |          |
|------|-----|----------|
| CMKC | ... | 200      |
| KFOX | ... | 1000     |
| KIT  | ME  | 1000     |
| KXOK | ... | 1000     |
| WAIR | DM  | 250      |
| WDSU | B   | 1000     |
| WHBI | 2   | 100(2.5) |
| WKST | DX  | 250      |
| WMRO | D   | 250      |
| WNEW | 2   | 1000(5)  |
| WTCN | B   | 1000(5)  |
| XEAI | ... | 500      |

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

|               |
|---------------|
| .....         |
| .....         |
| 11 am-3 am    |
| .....         |
| 8 am-LS       |
| 7 am-midnight |
| .....         |
| 9 am-LS       |
| .....         |
| On all night  |
| 7 am-midnight |
| .....         |

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

1255-

|      |     |         |
|------|-----|---------|
| CMBD | ... | 200     |
| CMJO | ... | 200     |
| KGVO | C   | 1000(5) |
| KHSL | M   | 250     |
| KOIL | CEM | 1000(5) |
| KPAC | DZ  | 500     |
| KRGV | MN  | 1000    |
| KUOA | D   | 5000    |
| KVOA | EN  | 1000    |
| WFVA | D   | 250     |
| WHIO | C   | 1000(5) |
| WHLI | DP  | 1000    |
| WNBX | CM  | 1000    |
| WTOC | C   | 1000    |

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

|               |
|---------------|
| .....         |
| .....         |
| 8:50 am-1 am  |
| .....         |
| .....         |
| 6 am-5:45 pm  |
| 8 am-11 pm    |
| 7 am-LS       |
| 9 am-11:30 pm |
| .....         |
| 6 am-1 am     |
| .....         |
| 7 am-midnight |
| 7 am-midnight |

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

|      |     |         |
|------|-----|---------|
| CMHD | ... | 200     |
| KGCA | DQ2 | 100     |
| KOL  | M   | 1000(5) |
| KVOR | C   | 1000    |
| KWLC | D2  | 100     |
| WASH | adN | 500     |
| WFBR | R   | 1000(5) |
| WJDX | R   | 1000(5) |
| WOOD | aN  | 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 | Mexico City, D. F.      |
| a | Jalapa, Ver. C.         |
| z | Texcoco, D. F.          |

|                 |
|-----------------|
| .....           |
| 8:45 am-3:30 pm |
| .....           |
| 9 am-1 am       |
| 9:30 am-5:30 pm |
| 7 am-midnight   |
| 9 am-midnight   |
| .....           |
| 7 am-midnight   |
| .....           |
| .....           |
| .....           |
| .....           |

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

|      |     |         |
|------|-----|---------|
| CMKO | ... | 200     |
| KFBB | C   | 1000(5) |

|   |                    |
|---|--------------------|
| z | Holguin, Cuba      |
| a | Great Falls, Mont. |

|                |
|----------------|
| .....          |
| 11 am-midnight |

|      |     |         |
|------|-----|---------|
| KLS  | ... | 250     |
| WCAM | 2   | 500     |
| WCAP | 2   | 500     |
| WDOD | C   | 1000(5) |
| WIBA | N   | 1000(5) |
| WORC | C   | 500     |
| WRR  | M   | 500     |
| WTNJ | 2   | 500     |
| XEKR | ... | 100     |
| XEMX | A   | 100     |

|   |                    |
|---|--------------------|
| a | Oakland, Calif.    |
| a | Camden, N. J.      |
| z | 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. |

|                           |
|---------------------------|
| .....                     |
| 10:15 am-12:30 pm; a-5 pm |
| 6-10:15 am; 12:30-3 pm; 8 |
| pm-midnight               |
| 7:30 am-12:30 am          |
| 8 am-1 am                 |
| 8 am-midnight             |
| 8 am-midnight             |
| .....                     |

1290 kcs. (232.4 m.)

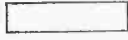


|      |     |           |
|------|-----|-----------|
| CMCG | ... | 200       |
| CMJK | ... | 200       |
| KDYL | R   | 1000(5)   |
| KLCN | D   | 100       |
| KTRH | C   | 1000(5)   |
| WATR | ... | 250       |
| WEBC | MN  | 1000(5)   |
| WJAS | C   | 1000(5)   |
| WJHP | P   | 250       |
| WNBZ | D   | 100       |
| WNEL | ... | 1000(2.5) |

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

|                  |
|------------------|
| 7 am-midnight    |
| .....            |
| 8 am-3 am        |
| .....            |
| 9 am-1 am        |
| 8 am-?           |
| 8 am-1 am        |
| 7:30 am-12:30 am |
| .....            |
| 9:30 am-LS       |
| 6:30 am-11:30 pm |

1300 kcs. (230.6 m.)

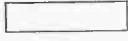


|      |     |         |
|------|-----|---------|
| KALE | M   | 1000    |
| KFAC | ... | 1000    |
| KFH  | C   | 1000(5) |
| WBBR | 2   | 1000    |
| WEVD | 2   | 1000    |
| WFBC | N   | 1000(5) |
| WHAZ | 2   | 1000    |
| WHBL | ... | 250(1)  |

|   |                     |
|---|---------------------|
| 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.         |
| g | Sheboygan, Wis.     |

|                  |
|------------------|
| 10 am-3 am       |
| .....            |
| 9 am-1 am        |
| 8-11 am; 3-8 pm  |
| 7 am-4 am        |
| 6:30 am-midnight |
| 6 pm-midnight    |
| 9 am-midnight    |

1310 kcs. (228.9 m.)



|      |     |          |
|------|-----|----------|
| CHCK | ... | 50       |
| CJKL | F   | 100      |
| CJLS | F   | 100      |
| CKCV | F   | 100      |
| CMKE | ?   | ...      |
| KAND | M   | 100      |
| KARM | C   | 100      |
| KBND | ... | 250      |
| KCKN | E   | 250      |
| KCRJ | ... | 100(.25) |
| KFPL | ... | 100(.25) |
| KFYO | M   | 100(.25) |
| KGEZ | ... | 100      |
| KGFW | ... | 250      |
| KHUB | ... | 100(.25) |
| KOCY | ... | 250      |
| KOME | EM  | 250      |
| KPDN | D   | 100      |
| KRBA | D   | 250      |
| KRMD | ... | 250      |
| KROC | EN  | 100(.25) |
| KRRV | DM  | 250      |
| KSRO | ... | 250      |
| KSUB | ... | 100      |
| KTSM | N   | 100(.25) |
| KUIN | P   | 100      |
| KVIC | P   | 100(.25) |
| KVOL | ... | 250      |
| KVOX | E   | 250      |
| KVSF | ... | 100      |
| KWFC | P   | 100(.25) |
| KWOC | D   | 100      |
| KWOS | ... | 250      |
| KXRO | M   | 250      |
| TGT  | ... | ...      |
| WAML | ... | 250      |
| WBEO | G   | 250      |
| WBOW | NXZ | 100(.25) |
| WBRE | N   | 250      |

|   |                         |
|---|-------------------------|
| a | Charlottetown, P. E. I. |
| a | Kirkland Lake, Ont.     |
| a | Yarmouth, N. S.         |
| a | Quebec, P. Q.           |
| z | Manzanillo, Cuba        |
| a | Corsicana, Texas        |
| 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 | Oklahoma City, Okla.    |
| z | Tulsa, Okla.            |
| a | Pampa, Texas            |
| a | Lufkin, Texas           |
| a | Shreveport, La.         |
| a | Rochester, Minn.        |
| a | Sherman, Texas          |
| a | Santa Rosa, Calif.      |
| a | Cedar City, Utah        |
| a | El Paso, Texas          |
| z | Grants Pass, Ore.       |
| z | Victoria, Texas         |
| a | Lafayette, La.          |
| a | Moorhead, Minn.         |
| a | Santa Fe, N. Mex.       |
| z | Hot Springs, Ark.       |
| a | Poplar Bluff, Mo.       |
| a | Jefferson City, Mo.     |
| a | Aberdeen, Wash.         |
| d | Guatemala City, Guat.   |
| a | Laurel, Miss.           |
| a | Marquette, Mich.        |
| a | Terre Haute, Ind.       |
| a | Wilkes-Barre, Pa.       |

|                  |
|------------------|
| .....            |
| .....            |
| .....            |
| 7:55 am-11:30 pm |
| .....            |
| 7 am-?           |
| 11 am-3 am       |
| .....            |
| 9:45 am-1 am     |
| .....            |
| 7 am-10:45 am    |
| 8 am-10:15 pm    |
| 9 am-11 pm       |
| 7 am-10 pm       |
| 10 am-?          |
| 7:45 am-?        |
| .....            |
| 9 am-6:15 pm     |
| 10 am-10 pm      |
| 7 am-12:15 am    |
| .....            |
| 11 am-2 am       |
| .....            |
| 8:30 am-1 am     |
| .....            |
| 7 am-7 pm        |
| 8 am-10 pm       |
| Noon-5 pm        |
| .....            |
| 9 am-6 pm        |
| 9 am-9pm         |
| 10 am-2 am       |
| .....            |
| 10 am-10 pm      |
| .....            |
| 7 am-midnight    |
| .....            |

|      |     |          |   |                      |                   |
|------|-----|----------|---|----------------------|-------------------|
| WBRK | M   | 250      | a | Pittsfield, Mass.    | 7 am-1 am         |
| WCLS | L   | 100      | a | Joliet, Ill.         | 8 am-9:30 pm      |
| WCMJ | M   | 250      | a | Ashland, Ky.         | 6 am-11:30 pm     |
| WDAH | S   | 100(.25) | a | El Paso, Texas       | 11:30 am-10:30 pm |
| WEBR | B   | 250      | a | Buffalo, N. Y.       | 7 am-midnight     |
| WEMP | ... | 250      | a | Milwaukee, Wis.      | 7:30 am-?         |
| WEXL | ... | 50       | a | Royal Oak, Mich.     | 8 am-4 am         |
| WFBG | ... | 100      | a | Altoona, Pa.         | 7 am-10:30 pm     |
| WFDF | B   | 100      | a | Flint, Mich.         | 7 am-midnight     |
| WFIG | P   | 100(.25) | z | Sumter, S. C.        | .....             |
| WGAU | ... | 100(.25) | a | Athens, Ga.          | 7 am-midnight     |
| WGH  | K   | 250      | a | Newport News, Va.    | 7 am-midnight     |
| WGTM | ... | 100      | a | Wilson, N. C.        | .....             |
| WHAT | 4   | 100      | a | Philadelphia, Pa.    | .....             |
| WJPF | P   | 100(.25) | z | Herrin, Ill.         | .....             |
| WJPR | P   | 100(.25) | z | Greenville, Miss.    | .....             |
| WLAK | N   | 250      | z | Lakeland, Fla.       | .....             |
| WLBC | ... | 250      | a | Muncie, Ind.         | 7 am-midnight     |
| WLBJ | P   | 100(.25) | z | Bowling Green, Ky.   | .....             |
| WLNH | MX  | 100      | a | Laconia, N. H.       | 7 am-midnight     |
| WMBO | ... | 250      | a | Auburn, N. Y.        | .....             |
| WMFF | B   | 250      | a | Plattsburg, N. Y.    | 9 am-9 pm         |
| WNBH | M   | 100(.25) | a | New Bedford, Mass.   | 7:30 am-11:15 pm  |
| WRAP | ... | 100      | a | Reading, Pa.         | 7 am-11 pm        |
| WROL | N   | 100(.25) | a | Knoxville, Tenn.     | .....             |
| WSAJ | ... | 100      | a | Grove City, Pa.      | .....             |
| WSAV | P   | 100      | z | Savannah, Ga.        | .....             |
| WSGN | BE  | 100(.25) | a | Birmingham, Ala.     | 8 am-midnight     |
| WSJ  | C   | 250      | a | Winston-Salem, N. C. | 8 am-10 pm        |
| WTAL | ... | 100(.25) | a | Tallahassee, Fla.    | 8 am-midnight     |
| WTEL | 4   | 100      | a | Philadelphia, Pa.    | 8 am-midnight     |
| WTJS | ... | 100(.25) | a | Jackson, Tenn.       | 8 am-midnight     |
| WTRC | ... | 250      | a | Elkhart, Ind.        | 7 am-8:30 pm      |
| XEAG | ... | 250      | z | Cordoba, Ver. C.     | .....             |
| XEAU | ... | 250      | z | Tijuana, B. Cfa.     | .....             |
| XEBO | ... | 25       | z | Irapuato, Gto.       | .....             |
| XEFW | ... | 300      | a | Tampico, Tam.        | .....             |
| XETB | ... | 500      | a | Torreón, Coah.       | .....             |
| XEX  | ... | 500      | a | Monterrey, N. L.     | .....             |

**1320 kcs. (227.1 m.)**



|      |     |         |   |                    |              |
|------|-----|---------|---|--------------------|--------------|
| CMCR | ... | 200     | z | Havana, Cuba       | .....        |
| KGHF | B   | 500     | a | Pueblo, Colo.      | 9 am-1 am    |
| KGMB | CMZ | 1000    | a | Honolulu, Hawaii   | 1:30 am-6 pm |
| KID  | ... | 500(1)  | a | Idaho Falls, Idaho | 6 am-?       |
| KRNT | C   | 1000(5) | a | Des Moines, Iowa   | 6:30 am-1 am |
| WADC | C   | 1000(5) | a | Akron, Ohio        | 7 am-1 am    |
| WORK | N   | 1000    | a | York, Pa.          | 8 am-10 pm   |
| WSMB | R   | 1000(5) | a | New Orleans, La.   | .....        |

**1330 kcs. (225.4 m.)**



|      |    |         |   |                      |                  |
|------|----|---------|---|----------------------|------------------|
| KGB  | M  | 1000    | a | San Diego, Calif.    | 10 am-4 am       |
| KMO  | M  | 1000    | a | Tacoma, Wash.        | 9 am-3 am        |
| KRIS | MN | 500     | a | Corpus Christi, Tex. | 8:30 am-midnight |
| KSCJ | N  | 1000(5) | a | Sioux City, Iowa     | 9 am-1 am        |
| WDRC | C  | 1000(5) | g | Hartford, Conn.      | 7 am-midnight    |
| WSAI | MN | 1000(5) | a | Cincinnati, Ohio     | 7 am-1 am        |
| WTAQ | C  | 1000(5) | a | Green Bay, Wis.      | 11 am-1 am       |

**1340 kcs. (223.7 m.)**



|      |     |         |   |                     |                  |
|------|-----|---------|---|---------------------|------------------|
| KDTH | DP  | 500     | z | Dubuque, Iowa       | .....            |
| KGIR | EN  | 1000(5) | a | Butte, Mont.        | .....            |
| KGNO | ... | 250(1)  | b | Dodge City, Kans.   | 8:30 am-midnight |
| WCOA | N   | 500(1)  | a | Pensacola, Fla.     | .....            |
| WFEA | MN  | 500(1)  | a | Manchester, N. H.   | 8 am-1 am        |
| WFNC | DP  | 250     | z | Fayetteville, N. C. | .....            |
| WSPD | B   | 1000(5) | a | Toledo, Ohio        | 8:30 am-1 am     |
| XEAP | ... | 50      | z | Obregon, Son.       | .....            |
| XEBJ | ... | 100     | a | Victoria, Tam.      | .....            |
| XEBS | ... | 200     | z | Mexico City, D. F.  | .....            |
| XEDH | ... | 200     | z | Villa Acuna, Coah.  | .....            |
| XEFC | ... | 100     | a | Merida, Yuc.        | .....            |
| XEBW | ... | 250     | a | Chihuahua, Chih.    | .....            |
| XELW | ... | 250     | z | Guadalajara, Jal.   | .....            |

**1350 kcs. (222.1 m.)**

|      |     |           |   |                  |
|------|-----|-----------|---|------------------|
| CMCA | ... | 200       | a | Havana, Cuba     |
| KIDO | N   | 1000(.25) | a | Boise, Idaho     |
| KWK  | BM  | 1000(.5)  | a | St. Louis, Mo.   |
| WAWZ | 2   | 1000      | a | Zarephath, N. J. |
| WBNX | 2   | 1000      | a | New Cork, N. Y.  |
| WMBG | RX  | 500       | a | Richmond, Va.    |

.....  
 9 am-2 am  
 6:30 am-1 pm  
 6-9 am; 11 am-12:30 pm;  
 3-4 pm; 7-8:30 pm  
 7 am-midnight

**1360 kcs. (220.4 m.)**

|      |     |          |   |                      |
|------|-----|----------|---|----------------------|
| CMJH | ... | 200      | d | Ciego de Avila, Cuba |
| KCRC | EM  | 250      | a | Enid, Okla.          |
| KGER | ... | 1000     | a | Long Beach, Calif.   |
| KLPM | ... | 500(1)   | a | Minot, N. Dak.       |
| KSLM | M   | 500      | a | Salem, Ore.          |
| WCSC | N   | 500(1)   | a | Charleston, S. C.    |
| WFBL | C   | 1000(.5) | a | Syracuse, N. Y.      |
| WGES | 2   | 500(1)   | a | Chicago, Ill.        |
| WQBC | D   | 1000     | a | Vicksburg, Miss.     |
| WSBT | C2  | 500      | a | South Bend, Ind.     |

.....  
 8 am-11 pm  
 10 am-2 pm  
 10 am-1 am  
 7 am-midnight  
 7 am-1 am  
 8 am-9 pm (1 kw Sunday only)  
 .....

**1370 kcs. (218.8 m.)**

|      |      |          |   |                       |
|------|------|----------|---|-----------------------|
| CFAR | ...  | 100      | a | Flin Flon, Man.       |
| CFOS | ...  | 100      | z | Owen Sound, Ont.      |
| CKCW | F    | 100      | a | Moncton, N. B.        |
| CKRN | ...  | 250      | z | Rouyn, P. Q.          |
| CMGE | ...  | 200      | a | Cardenas, Cuba        |
| HIZ  | ...  | 75       | z | Trujillo, D. R.       |
| KEEN | 3    | 100      | a | Seattle, Wash.        |
| KELD | ...  | 100      | z | El Dorado, Ark.       |
| KERN | EN   | 100      | a | Bakersfield, Calif.   |
| KFGO | D    | 100      | a | Boone, Iowa           |
| KFRO | DMXZ | 250      | a | Longview, Texas       |
| KGFL | 4    | 100      | a | Roswell, N. Mex.      |
| KGKL | M    | 250      | e | San Angelo, Texas     |
| KICA | 4    | 100      | a | Clovis, N. Mex.       |
| KIUN | ...  | 100      | a | Pecos, Texas          |
| KIUP | ...  | 100      | a | Durango, Colo.        |
| KLUF | M    | 250      | a | Galveston, Tex.       |
| KMAC | 5    | 100(.25) | a | San Antonio, Tex.     |
| KOBH | ...  | 250      | a | Rapid City, S. Dak.   |
| KOKO | ...  | 100      | a | La Junta, Colo.       |
| KONO | 5    | 100      | a | San Antonio, Tex.     |
| KRE  | ...  | 250      | a | Berkeley, Calif.      |
| KRKO | 3    | 50       | a | Everett, Wash.        |
| KRMC | ...  | 250      | a | Jamestown, N. Dak.    |
| KTEM | M    | 250      | a | Temple, Texas         |
| KTOK | EMN  | 250      | a | Oklahoma City, Okla.  |
| KTSW | X    | 100      | a | Emporia, Kans.        |
| KTUC | C    | 100(.25) | a | Tucson, Ariz.         |
| KUJ  | ...  | 100      | a | Walla Walla, Wash.    |
| KVFD | LP   | 100(.25) | z | Fort Dodge, Iowa      |
| KVGB | ...  | 100      | z | Great Bend, Kans.     |
| KVRS | ...  | 100(.25) | a | Rock Springs, Wyo.    |
| KWYO | ...  | 250      | a | Sheridan, Wyo.        |
| WABY | BM   | 100(.25) | a | Albany, N. Y.         |
| WAGF | D    | 250      | a | Dothan, Ala.          |
| WATL | ...  | 250      | a | Atlanta, Ga.          |
| WBLK | N    | 250      | a | Clarksburg, W. Va.    |
| WBNY | 2    | 100(.25) | a | Buffalo, N. Y.        |
| WBTH | ...  | 250      | z | Williamson, W. Va.    |
| WBTM | ...  | 100(.25) | a | Danville, Va.         |
| WCBM | ...  | 250      | a | Baltimore, Md.        |
| WCNC | ...  | 100(.25) | z | Elizabeth City, N. C. |
| WCOS | P    | 100(.25) | z | Columbia, S. C.       |
| WDAS | ...  | 250      | a | Philadelphia, Pa.     |
| WDWS | ...  | 100(.25) | a | Champaign, Ill.       |
| WFOA | C    | 250      | a | Evansville, Ind.      |
| WFOR | ...  | 100      | a | Hattiesburg, Miss.    |
| WFTL | P    | 100(.25) | z | Ft. Lauderdale, Fla.  |
| WGBR | ...  | 100      | z | Goldsboro, N. C.      |
| WGL  | N    | 250      | a | Fort Wayne, Ind.      |
| WGRC | M    | 250      | a | New Albany, Ind.      |
| WHBO | ...  | 100      | a | Memphis, Tenn.        |
| WHDF | ...  | 250      | a | Calumet, Mich.        |
| WHKY | P    | 100(.25) | z | Hickory, N. C.        |

3-8 pm  
 .....  
 .....  
 .....  
 10 am-10:30 pm  
 .....  
 3 pm-1 am  
 .....  
 11 am-3 am  
 7 am-2 pm  
 7:45 am-LS  
 9 am-?  
 .....  
 9 am-11 pm  
 10 am-10 pm  
 10 am-11 pm  
 9 am-11:30 pm  
 8 am-9 pm  
 8 am-midnight  
 1-6 pm  
 7 am-11 pm  
 On all night  
 Noon-7 pm  
 10 am-7 pm  
 .....  
 8 am-1 am  
 .....  
 11 am-1 am  
 9:30 am-1 am  
 .....  
 .....  
 .....  
 9 am-midnight  
 7 am-midnight  
 9 am-LS  
 7 am-1 am  
 9 am-11 pm  
 7:30 am-midnight  
 .....  
 7 am-10 pm  
 .....  
 7 am-11 pm  
 .....  
 8 am-midnight  
 9 am-midnight  
 9 am-1 am  
 8 am-9 pm  
 .....  
 .....  
 9 am-?  
 8 am-11:30 pm  
 10:30 am-6:30 pm

|      |     |           |   |                           |                        |
|------|-----|-----------|---|---------------------------|------------------------|
| WHLB | C   | 250       | a | Virginia, Minn.           | .....                  |
| WHL5 | ... | 250       | a | Port Huron, Mich.         | 8 am-7:30 pm           |
| WHUB | P   | 100(.25)  | z | Cookeville, Tenn.         | .....                  |
| WIBM | B   | 250       | a | Jackson, Mich.            | 6:30 am-12:30 pm       |
| WISE | N   | 100       | z | Asheville, N. C.          | .....                  |
| WJAC | ... | 250       | a | Johnstown, Pa.            | .....                  |
| WLLH | MSy | 100(.25)  | a | Lowell, Mass.             | 7:30 am-midnight       |
| WLLH | Sy  | 100       | a | Lawrence, Mass.           | 7:30 am-midnight       |
| WMAN | DP  | 250       | z | Mansfield, Ohio           | .....                  |
| WMBR | C   | 100(.25)  | a | Jacksonville, Fla.        | 7:30 am-midnight       |
| WMFD | ... | 100(.25)  | a | Wilmington, N. C.         | 10:30 am-6:15 pm       |
| WMFO | DE  | 100       | a | Decatur, Ala.             | 8 am-6:30 pm           |
| WMGA | P   | 100(.25)  | z | Moultrie, Ga.             | .....                  |
| WMIN | ... | 250       | a | St. Paul, Minn.           | 7 am-1 am              |
| WOC  | C   | 100(.25)  | a | Davenport, Iowa           | 9 am-midnight          |
| WPAY | ... | 100       | a | Portsmouth, Ohio          | 7 am-10:15 pm          |
| WPRA | XX  | 1000(2.5) | a | Mayaguez, P. R.           | .....                  |
| WRAK | ... | 250       | a | Williamsport, Pa.         | 10 am-12:30 pm; 5-7 pm |
| WRDO | MN  | 100       | a | Augusta, Maine            | 10 am-11:15 pm         |
| WRJN | ... | 250       | a | Racine, Wis.              | 8:45 am-midnight       |
| WSAU | ... | 250       | a | Wausau, Wis.              | 7 am-11:15 pm          |
| WSVS | D2  | 50        | b | Buffalo, N. Y.            | Silent                 |
| WTSP | P   | 100(.25)  | z | St. Petersburg, Fla.      | .....                  |
| XECZ | ... | 100       | z | San Luis Potosi, S. L. P. | .....                  |
| XEI  | ... | 125       | a | Morelia, Micho.           | .....                  |
| XELZ | ... | 100       | z | Mexico City, D. F.        | .....                  |

## 1380 kcs. (217.3 m.)

|      |     |         |   |                    |                            |
|------|-----|---------|---|--------------------|----------------------------|
| CMCW | ... | 200     | d | Havana, Cuba       | 11:55 am-8 pm              |
| KOH  | C   | 500     | a | Reno, Nev.         | 11 am-3 am                 |
| KQV  | ... | 500(1)  | b | Pittsburgh, Pa.    | 7 am10 pm                  |
| WALA | CX  | 500(1)  | a | Mobile, Ala.       | 8:30 am-midnight           |
| WING | N   | 250(.5) | a | Dayton, Ohio       | 7 am-5:30 pm; 7:30 pm-1 am |
| WKBH | C   | 1000    | a | La Crosse, Wis.    | 10 am-midnight             |
| WNBC | B   | 250(1)  | a | New Britain, Conn. | 7 am-midnight              |

## 1390 kcs. (215.7 m.)

|      |     |         |   |                   |               |
|------|-----|---------|---|-------------------|---------------|
| CMJC | ... | 200     | z | Camaguey, Cuba    | .....         |
| KABR | ... | 500(1)  | a | Aberdeen, S. Dak. | 10 am-6:15 pm |
| KLRA | C   | 1000(5) | a | Little Rock, Ark. | .....         |
| KOY  | C   | 1000    | g | Phoenix, Ariz.    | 9 am-12:15 am |
| KRLC | ... | 250     | a | Lewiston, Idaho   | 3-10:30 pm    |
| WHK  | KBM | 1000(5) | a | Cleveland, Ohio   | 7 am-midnight |
| WODM | D   | 1000    | f | St. Albans, Vt.   | 6 am-LS       |
| XEM  | ... | 500     | z | Chihuahua, Chih.  | .....         |

## 1400 kcs. (214.2 m.)

|      |     |         |   |                       |                              |
|------|-----|---------|---|-----------------------|------------------------------|
| CMKR | ... | 200     | z | Santiago de Cuba      | .....                        |
| KHBC | CM  | 250     | a | Hilo, Hawaii          | Until 4 am                   |
| KLO  | B   | 1000(5) | a | Ogden, Utah           | 9:30 am-1:30 am              |
| KTUL | C   | 1000(5) | a | Tulsa, Okla.          | 8 am-1:15 am                 |
| TGX  | ... | ...     | d | Guatemala City, Guat. | .....                        |
| WARD | 2   | 500     | a | Brooklyn, N. Y.       | 3:45-6 pm                    |
| WBBC | 2   | 500     | a | Brooklyn, N. Y.       | 7-10:30 am                   |
| WHDL | D   | 250     | a | Olean, N. Y.          | .....                        |
| WIRE | MR  | 1000(5) | a | Indianapolis, Ind.    | 7:30 am-1 am                 |
| WLTH | 2   | 500     | a | New York, N. Y.       | Silent—Special authorization |
| WVFW | 2   | 500     | a | Brooklyn, N. Y.       | Noon-1:30 pm                 |
| XEA  | ... | 250     | z | Campeche, Cam.        | .....                        |
| XEAJ | ... | 100     | z | Navojoa, Son.         | .....                        |
| XEDM | ... | 100     | z | Torreón, Coah.        | .....                        |
| XEDS | ... | 250     | z | Mazatan, Sin.         | .....                        |

## 1410 kcs. (212.5 m.)

|      |     |           |   |                      |             |
|------|-----|-----------|---|----------------------|-------------|
| CKFC | 2   | 50        | a | Vancouver, B. C.     | .....       |
| CKMO | 2   | 100       | a | Vancouver, B. C.     | 11 am-?     |
| CMCQ | ... | 200       | a | Havana, Cuba         | 7 am-10 pm  |
| KFJM | ... | 500(1)    | a | Grand Forks, N. Dak. | 10 am-10 pm |
| KGNC | N   | 1000(2.5) | a | Amarillo, Texas      | 7 am-?      |
| KMED | N   | 250       | b | Medford, Ore.        | .....       |



|      |     |        |   |                   |                  |
|------|-----|--------|---|-------------------|------------------|
| WAAB | EM  | 1000   | a | Boston, Mass.     | 7 am-?           |
| WBGM | ... | 500(1) | a | Bay City, Mich.   | 9 am-12:30 am    |
| WHIS | ... | 500(1) | a | Bluefield, W. Va. | 5 am-9 pm        |
| WROK | ... | 500(1) | a | Rockford, Ill.    | 7:30 am-midnight |
| WSFA | CE  | 500(1) | a | Montgomery, Ala.  | 7:30 am-midnight |

1420 kcs. (211.1 m.)



|      |     |          |   |                          |                        |
|------|-----|----------|---|--------------------------|------------------------|
| CBY  | F   | 100      | a | Toronto, Ont.            | .....                  |
| CHLN | ... | 100      | z | Three Rivers, P. Q.      | .....                  |
| CKCA | F   | 100(.25) | a | Kenora, Ont.             | .....                  |
| CKLN | ... | 100      | z | Nelson, B. C.            | .....                  |
| CMJP | ... | 200      | a | Moron, Cuba              | 11 am-midnight         |
| KABC | M   | 100(.25) | a | San Antonio, Texas       | 7 am-12:15 am          |
| KATE | E   | 100(.25) | a | Albert Lea, Minn.        | 7:30 am-?              |
| KBPS | 4   | 100      | a | Portland, Ore.           | Silent                 |
| KCMC | M   | 250      | a | Texarkana, Texas         | 8 am-midnight          |
| KDNT | D   | 100      | a | Denton, Texas            | 8:30 am-LS             |
| KEUB | ... | 100      | a | Price, Utah              | 9:30 am-midnight       |
| KFAM | EN  | 250      | a | St. Cloud, Minn.         | 10 am-7 pm             |
| KFIZ | E   | 100      | a | Fond du Lac, Wis.        | .....                  |
| KGFF | EM  | 250      | a | Shawnee, Okla.           | 8 am-10 pm             |
| KGIW | 3   | 100      | a | Alamosa, Colo.           | 9:30 am-10:30 pm       |
| KGLU | ... | 100(.25) | a | Safford, Ariz.           | .....                  |
| KIDW | 3   | 100      | a | Lamar, Colo.             | 9 am-8 pm              |
| KLBM | ... | 100(.25) | z | La Grande, Ore.          | 10 am-?                |
| KNET | D   | 100      | a | Palestine, Texas         | .....                  |
| KORE | M   | 100      | a | Eugene, Ore.             | 10 am-?                |
| KRBC | M   | 250      | a | Abilene, Texas           | 8 am-10 pm             |
| KRBM | E   | 100(.25) | z | Bozeman, Mont.           | .....                  |
| KRIC | ... | 250      | z | Beaumont, Texas          | 8 am-?                 |
| KRLH | ... | 100      | a | Midland, Texas           | .....                  |
| KSAN | ... | 100      | a | San Francisco, Calif.    | .....                  |
| KTRI | ... | 100(.25) | f | Sioux City, Iowa         | 10 am-midnight         |
| KVAK | D   | 100      | z | Atchison, Kans.          | .....                  |
| KWAL | P   | 100(.25) | z | Wallace, Idaho           | .....                  |
| KWBG | ... | 100      | a | Hutchinson, Kans.        | 9 am-10 pm             |
| KXL  | 4   | 250      | b | Portland, Ore.           | 3 am-1 am next morning |
| WACO | CM  | 250      | b | Waco, Texas              | 8 am-1 am              |
| WAGM | ... | 100      | a | Presque Isle, Maine      | 11 am-7 pm             |
| WAPO | N   | 100(.25) | a | Chattanooga, Tenn.       | 7 am-7 pm              |
| WAZL | ... | 100      | a | Hazleton, Pa.            | 9 am-10 pm             |
| WCBS | ... | 100(.25) | a | Springfield, Ill.        | 8 am-11 pm             |
| WCHV | ... | 250      | a | Charlottesville, Va.     | 7 am-midnight          |
| WEED | ... | 250      | a | Rocky Mount, N. C.       | 8 am-8 pm              |
| WELL | B   | 100      | a | Battle Creek, Mich.      | 7:30 am-midnight       |
| WFMJ | D   | 100      | z | Youngstown, Ohio         | .....                  |
| WGNC | ... | 250      | z | Gastonia, N. C.          | 8 am-11 pm             |
| WGPC | ... | 100      | a | Albany, Ga.              | .....                  |
| WHFC | ... | 250      | a | Cicero, Ill.             | 7 am-1 am              |
| WHMA | ... | 100      | a | Anniston, Ala.           | .....                  |
| WILM | ... | 100      | a | Wilmington, Del.         | .....                  |
| WJMS | ... | 250      | a | Ironwood, Mich.          | 11 am-7 pm             |
| WLAP | M   | 100(.25) | a | Lexington, Ky.           | 9 am-11 pm             |
| WLEU | B   | 100(.25) | a | Erie, Pa.                | .....                  |
| WLPM | P   | 100(.25) | z | Suffolk, Va.             | .....                  |
| WMAS | C   | 250      | a | Springfield, Mass.       | 7 am-midnight          |
| WMBG | ... | 250      | a | Detroit, Mich.           | 7:30 am-midnight       |
| WMBH | ... | 250      | a | Joplin, Mo.              | 9 am-midnight          |
| WMBW | ... | 250      | a | Uniontown, Pa.           | 6 am-6 pm              |
| WMFJ | ... | 100      | a | Daytona Beach, Fla.      | 8 am-9 pm              |
| WMSD | ... | 100      | a | Muscle Shoals City, Ala. | 8 am-11 pm             |
| WNOE | ... | 250      | a | New Orleans, La.         | On all night           |
| WPAD | ... | 250      | a | Paducah, Ky.             | 7 am-midnight          |
| WPAR | C   | 100      | a | Parkersburg, W. Va.      | .....                  |
| WPRP | ... | 100(.25) | a | Ponce, Puerto Rico       | .....                  |
| WSLI | ... | 250      | a | Jackson, Miss.           | 9 am-10 pm             |
| WSPB | P   | 100(.25) | z | Sarasota, Fla.           | .....                  |

1430 kcs. (209.7 m.)



|      |     |         |   |                     |               |
|------|-----|---------|---|---------------------|---------------|
| CJGX | F   | 1000    | a | Yorkton, Sask.      | Noon-midnight |
| CMKZ | ... | 200     | z | Palma Soriano, Cuba | .....         |
| KGNF | D   | 1000    | a | North Platte, Nebr. | 8 am-6:15 pm  |
| KINY | X   | 250     | a | Juneau, Alaska      | Noon-?        |
| KSO  | BM  | 1000(5) | a | Des Moines, Iowa    | 8 am-2 am     |
| WBNS | C   | 1000(5) | a | Columbus, Ohio      | 8 am-1 am     |

|      |     |         |   |                    |                  |
|------|-----|---------|---|--------------------|------------------|
| WHEC | C   | 500(1)  | a | Rochester, N. Y.   | 7 am-midnight    |
| WHP  | C   | 1000(5) | a | Harrisburg, Pa.    | 6:30 am-midnight |
| WMPS | B   | 500(1)  | a | Memphis, Tenn.     | 10 am-10 pm      |
| WOKO | CK  | 500(1)  | a | Albany, N. Y.      | 8 am-1 am        |
| XERH | ... | 500     | z | Mexico City, D. F. | .....            |

**1440 kcs. (208.2 m.)**

|      |     |         |   |                   |                  |
|------|-----|---------|---|-------------------|------------------|
| CKGB | F   | 100     | a | Timmins, Ont.     | 11 am-11:30 pm   |
| CMBY | ... | 200     | a | Havana, Cuba      | 7:55 am-11 pm    |
| KDFN | ... | 500     | a | Casper, Wyo.      | .....            |
| KELA | M   | 1000    | a | Centralia, Wash.  | 11 am-3 am       |
| KXYZ | BM  | 1000    | a | Houston, Texas    | On all night     |
| WBIG | C   | 1000(5) | a | Greensboro, N. C. | 6:30 am-11:30 pm |
| WCBA | a   | 500     | a | Allentown, Pa.    | 7 am-midnight    |
| WMBD | C   | 1000(5) | a | Peoria, Ill.      | 7 am-midnight    |
| WSAN | aN  | 500     | a | Allentown, Pa.    | 1-11:30 pm       |
| XEFI | ... | 1000    | a | Chihuahua, Chih.  | .....            |

**1450 kcs. (206.8 m.)**

|      |     |         |   |                      |                               |
|------|-----|---------|---|----------------------|-------------------------------|
| CFCT | ... | 500     | a | Victoria, B. C.      | 10:45 am-12:15 am             |
| CHGS | F   | 50      | f | Summerside, P. E. I. | 6:30 am-10 pm                 |
| CMHM | ... | 200     | z | Cienfuegos, Cuba     | .....                         |
| HRN  | ... | 500     | b | Tegucigalpa, Hond.   | Noon-1 pm; 2-3 pm; 7-11:30 pm |
| KCMO | ... | 1000    | a | Kansas City, Mo.     | 7 am-2 am                     |
| KGCX | ... | 1000    | a | Wolf Point, Mont.    | .....                         |
| KIEM | M   | 500(1)  | a | Eureka, Calif.       | 10 am-1 am                    |
| KTBS | NZ  | 1000    | a | Shreveport, La.      | 7:30 am-1 am                  |
| TGO  | ... | 200     | a | Quezaltenango, Guat. | .....                         |
| WAGA | B   | 500(1)  | a | Atlanta, Ga.         | 9 am-2 am                     |
| WGAR | C   | 1000(5) | a | Cleveland, Ohio      | 7 am-midnight                 |
| WHOM | ... | 250     | a | Jersey City, N. J.   | 7 am-midnight                 |
| WSAR | M   | 1000    | f | Fall River, Mass.    | 7:30 am-midnight              |
| XEF  | ... | 100     | a | Juarez, Chih.        | .....                         |

**1460 kcs. (205.4 m.)**

|      |     |           |   |                   |           |
|------|-----|-----------|---|-------------------|-----------|
| CMKF | ... | 250       | z | Holguin, Cuba     | .....     |
| KSTP | RX  | 10000(25) | z | St. Paul, Minn.   | 7 am-2 am |
| WJSV | CX  | 10000     | a | Washington, D. C. | 8 am-1 am |

**1470 kcs. (204 m.)**

|      |      |      |   |                  |            |
|------|------|------|---|------------------|------------|
| CMCX | ...  | 200  | z | Havana, Cuba     | 9 am-11 pm |
| H18Q | 1475 | 100  | z | Trujillo, D. R.  | .....      |
| KGA  | BM   | 5000 | a | Spokane, Wash.   | .....      |
| WLAC | ...  | 5000 | a | Nashville, Tenn. | .....      |

**1480 kcs. (202.6 m.)**

|      |     |      |   |                      |              |
|------|-----|------|---|----------------------|--------------|
| CMHX | ... | 200  | a | Cienfuegos, Cuba     | .....        |
| KOMA | C   | 5000 | a | Oklahoma City, Okla. | 7:30 am-1 am |
| WHIP | D   | 5000 | z | Hammond, Ind.        | 9 am-5:30 pm |
| WKBW | C   | 5000 | a | Buffalo, N. Y.       | 8 am-1 am    |

**1490 kcs. (201.2 m.)**

|      |     |       |   |                    |               |
|------|-----|-------|---|--------------------|---------------|
| CMKQ | E   | 1000  | z | Santiago de Cuba   | .....         |
| KFBK | EKN | 10000 | a | Sacramento, Calif. | 11 am-3 am    |
| WCKY | C   | 50000 | a | Covington, Ky.     | 7 am-midnight |
| XECH | ... | 250   | z | Toluca, Mex.       | .....         |
| XEDR | ... | 100   | z | Guaymas, Son.      | .....         |

**1500 kcs. (199.9 m.)**

|      |     |          |   |                        |                |
|------|-----|----------|---|------------------------|----------------|
| CJIC | F   | 100      | a | Sault Ste. Marie, Ont. | 10 am-10 pm    |
| CMOX | ... | 200      | a | Havana, Cuba           | 11 am-11 pm    |
| KAWM | ... | 100      | a | Gallup, N. Mex.        | 1:45-6 pm      |
| KBIX | EM  | 100      | a | Muskogee, Okla.        | 8 am-11 pm     |
| KBKR | P   | 100(.25) | z | Baker, Ore.            | .....          |
| KBST | M   | 100      | a | Big Spring, Texas      | .....          |
| KDAL | C   | 100      | a | Duluth, Minn.          | 10 am-midnight |
| KDB  | EM  | 100(.25) | a | Santa Barbara, Calif.  | 11 am-3 am     |
| KDRO | ... | 100(.25) | z | Sedalia, Mo.           | .....          |

1510

|      |     |          |   |                      |                  |
|------|-----|----------|---|----------------------|------------------|
| KFDA | M   | 100      | z | Amarillo, Texas      | .....            |
| KGFI | ... | 100(.25) | a | Brownsville, Texas   | 9 am-10:30 pm    |
| KGKB | M   | 100(.25) | a | Tyler, Texas         | 8 am-1 am        |
| KGKY | ... | 250      | a | Scottsbluff, Nebr.   | 8:30 am-11 pm    |
| KNEL | D   | 250      | a | Brady, Texas         | 8 am-6 pm        |
| KNOW | M   | 250      | a | Austin, Texas        | .....            |
| KOTN | D   | 100      | a | Pine Bluff, Ark.     | 8 am-LS          |
| KOVC | ... | 100(.25) | a | Valley City, N. Dak. | 8 am-10 pm       |
| KPAB | ... | 250      | a | Laredo, Texas        | On all night     |
| KPLC | ... | 250      | a | Lake Charles, La.    | .....            |
| KPLT | M   | 100(.25) | a | Paris, Texas         | .....            |
| KPO  | M   | 250      | a | Wenatchee, Wash.     | .....            |
| KRNR | M   | 100(.25) | a | Roseburg, Ore.       | .....            |
| KROD | P   | 100      | z | El Paso, Texas       | .....            |
| KSAL | XZ  | 100(.25) | z | Salina, Kans.        | .....            |
| KSAM | D   | 250      | z | Huntsville, Texas    | .....            |
| KTOH | P   | 100(.25) | z | Lihue, Hawaii        | .....            |
| KUTA | N   | 100      | a | Salt Lake City, Utah | 11 am-2 am       |
| KVOE | M   | 100      | a | Santa Ana, Calif.    | Noon-2 am        |
| KVWC | ... | 250      | z | Vernon, Texas        | .....            |
| KWEW | D   | 100      | z | Hobbs, N. Mex.       | 9 am-?           |
| KXO  | M   | 100      | a | El Centro, Calif.    | 11 am-midnight   |
| KYCA | P   | 100(.25) | z | Prescott, Ariz.      | .....            |
| KYSM | N   | 100(.25) | a | Mankato, Minn.       | .....            |
| WCNW | Z   | 100(.25) | a | Brooklyn, N. Y.      | 9 am-midnight    |
| WDAN | ... | 250      | a | Danville, Ill.       | 9 am-?           |
| WDNC | C   | 250      | a | Durham, N. C.        | 7:30 am-{2:30 am |
| WGAL | N   | 250      | a | Lancaster, Pa.       | .....            |
| WGIL | D   | 250      | a | Galesburg, Ill.      | .....            |
| WGKV | N   | 100      | z | Charleston, W. Va.   | .....            |
| WGTC | DP  | 250      | z | Greenville, N. C.    | .....            |
| WHBB | ... | 100      | a | Selma, Ala.          | 7:30 am-?        |
| WJBK | ... | 250      | z | Detroit, Mich.       | On all night     |
| WKAT | ... | 250      | z | Miami Beach, Fla.    | .....            |
| WKBB | CY  | 250      | a | E. Dubuque, Ill.     | 9 am-1 am        |
| WKBV | ... | 100(.25) | a | Richmond, Ind.       | Silent           |
| WKBZ | ... | 250      | a | Muskegon, Mich.      | 7 am-10 pm       |
| WKEJ | D   | 100      | a | Griffin, Ga.         | .....            |
| WKNY | DP  | 100      | z | Kingston, N. Y.      | .....            |
| WMEX | ... | 100(.25) | a | Boston, Mass.        | 8 am-?           |
| WMOG | P   | -00(.25) | z | Brunswick, Ga.       | .....            |
| WNBF | C   | 250      | a | Binghamton, N. Y.    | .....            |
| WNLC | M   | 100      | a | New London, Conn.    | 7:30 am-?        |
| WOMI | ... | 250      | a | Owensboro, Ky.       | 6 am-midnight    |
| WOPJ | X   | 100      | a | Bristol, Tenn.       | 7 am-10 pm       |
| WRDW | C   | 250      | a | Augusta, Ga.         | 7 am-9 pm        |
| WRGA | ... | 250      | a | Rome, Ga.            | 8 am-11 pm       |
| WRTD | B   | 100      | a | Richmond, Va.        | 7 am-1 am        |
| WSTP | M   | 250      | a | Salisbury, N. C.     | .....            |
| WSYB | XM  | 100      | a | Rutland, Vt.         | 8:30 am-9 pm     |
| WTMC | ... | 100      | z | Ocala, Fla.          | .....            |
| WTMV | ... | 250      | a | E. St. Louis, Ill.   | .....            |
| WWRL | Z   | 100(.25) | a | Woodside, N. Y.      | 8 am-midnight    |
| WWSW | ... | 250      | a | Pittsburgh, Pa.      | .....            |
| XEQK | ... | 400      | z | Mexico City, D. F.   | .....            |

**1510 kcs. (198.6 m.)**

|      |     |     |   |                |            |
|------|-----|-----|---|----------------|------------|
| CFRC | F   | 100 | a | Kingston, Ont. | Noon-11 pm |
| CKCR | ... | 100 | a | Waterloo, Ont. | 8 am-11 pm |

**1520 kcs. (197.3 m.)**

|     |     |      |   |                      |  |
|-----|-----|------|---|----------------------|--|
| TGW | ... | 5000 | e | Guatemala City, Gat. | Midnight to 1 am; 10:30 am-5:15 pm; 7 pm;-midnight |
|-----|-----|------|---|----------------------|--|

**1530 kcs. (196 m.)**

|      |     |      |   |                  |                  |
|------|-----|------|---|------------------|------------------|
| CMC  | ... | 200  | z | Havana, Cuba     | .....            |
| KITE | ... | 1000 | a | Kansas City, Mo. | 9 am-1 am        |
| WAKR | P   | 1000 | z | Akron, Ohio      | .....            |
| WBRY | CM  | 1000 | a | Waterbury, Conn. | 8:30 am-midnight |

**1550 kcs. (193.4 m.)**

|      |     |      |   |                     |                  |
|------|-----|------|---|---------------------|------------------|
| KPMC | M   | 1000 | a | Bakersfield, Calif. | 10 am-2 am       |
| WQXR | ... | 1000 | a | New York, N. Y.     | 7:30 am-midnight |

**1560 kcs. (192.2 m.)**

CMBF ... 5000 z Havana, Cuba

2:30 pm-midnight

**1580 kcs. (189.8 m.)**

CM9RT ... 200 z Guines, Cuba

**1600 kcs. (187.4 m.)**

CMBH ... 5000 z Havana, Cuba

*(Continued from page 62)*

|           |  |           |   |
|-----------|--|-----------|---|
| 1200 KOOS | Marshfield, Ore., 250 from 100(.25)        | 1250 KIT  | Yakima, Wash., 1 kw from 250(.5)        |
| 1200 KVEC | San Luis Obispo, Calif., 250 from 100(.25) | 1310 KBND | Bend, Ore., 250 from 100(.25)           |
| 1200 KWNO | Winona, Minn., 250 from 100(.25)           | 1310 KCKN | Kansas City, Kans., 250 from 100        |
| 1200 WABI | Bangor, Me., 250 from 100(.25)             | 1310 KGFV | Kearney, Nebr., 250 from 100(.25)       |
| 1200 WAYX | Waycross, Ga., 250 from 100(.25)           | 1310 KOCY | Oklahoma City, Okla., 250 from 100(.25) |
| 1200 WBBZ | Ponca City, Okla., 250 from 100(.25)       | 1310 KOME | Tulsa, Okla., 250 from 100(.25)         |
| 1200 WCAX | Burlington, Vt., 250 from 100(.25)         | 1310 KRBA | Lufkin, Tex., 250 from 100              |
| 1200 WPCO | Cincinnati, Ohio, 250 from 100(.25)        | 1310 KVOL | Lafayette, La., 250 from 100(.25)       |
| 1200 WEST | Easton, Pa., 250 from 100(.25)             | 1310 KVOX | Moorhead, Minn., 250 from 100(.25)      |
| 1200 WFTC | Kinston, N. C., 250 from 100(.25)          | 1310 KWOS | Jefferson City, Mo., 250 from 100(.25)  |
| 1200 WIBX | Utica, N. Y., 250 from 100(.25)            | 1310 KXRO | Aberdeen, Wash., 250 from 100(.25)      |
| 1200 WJHL | Johnson City, Tenn., 250 from 100(.25)     | 1310 WBEO | Marquette, Mich., 250 from 100(.25)     |
| 1200 WJNO | W. Palm Beach, Fla., 250 from 100(.25)     | 1310 WBRE | Wilkes Barre, Pa., 250 from 100(.25)    |
| 1200 WMPC | Lapeer, Mich., 250 from 100(.25)           | 1310 WBRK | Pittsfield, Mass., 250 from 100(.25)    |
| 1200 WRBL | Columbus, Ga., 250 from 100(.25)           | 1310 WCMI | Ashland, Ky., 250 from 100(.25)         |
| 1210 KALB | Alexandria, La., 250 from 100(.25)         | 1310 WGH  | Newport News, Va., 250 from 100(.25)    |
| 1210 KDLR | Devils Lake, N. Dak., 250 from 100(.25)    | 1310 WMBO | Auburn, N. Y., 250 from 100(.25)        |
| 1210 KFVS | Cape Girardeau, Mo., 250 from 100(.25)     | 1310 WMFF | Plattsburg, N. Y., 250 from 100(.25)    |
| 1210 KGLO | Mason City, Iowa, 250 from 100(.25)        | 1310 XEAG | Cordoba, Ver. C., 250 from 100(.25)     |
| 1210 KOCA | Kilgore, Tex., 250 from 100(.25)           | 1370 KGKL | Rapid City, S. Dak., 250 from 100(.25)  |
| 1210 KPFA | Helena, Mont., 250 from 100(.25)           | 1370 KOBH | Berkeley, Calif., 250 from 100(.25)     |
| 1210 KWJB | Globe, Ariz., 250 from 100(.25)            | 1370 KRE  | Jamestown, N. Dak., 250 from 100(.25)   |
| 1210 WEBQ | Harrisburg, Ill., 250 from 100(.25)        | 1370 KRMC | Temple, Tex., 250 from 100(.25)         |
| 1210 WEDC | Chicago, Ill., 250 from 100(.25)           | 1370 KTEM | Sheridan, Wyo., 250 from 100(.25)       |
| 1210 WIBU | Poynette, Wis., 250 from 100(.25)          | 1370 KWYO | Albany, N. Y., 250 from 100(.25)        |
| 1210 WJBY | Gadsden, Ala., 250 from 100(.25)           | 1370 WABY | Atlanta, Ga., 250 from 100(.25)         |
| 1210 WJIM | Lansing, Mich., 250 from 100(.25)          | 1370 WATL | Williamson, W. Va., 250 from 100        |
| 1210 WJTN | Jamestown, N. Y., 250 from 100(.25)        | 1370 WBTH | Baltimore, Md., 250 from 100(.25)       |
| 1210 WJW  | Akron, Ohio, 250 from 100(.25)             | 1370 WCBM | Philadelphia, Pa., 250 from 100(.25)    |
| 1210 WPAX | Thomasville, Ga., 250 from 100(.25)        | 1370 WDAS | Fort Wayne, Ind., 250 from 100(.25)     |
| 1210 WSAY | Rochester, N. Y., 250 from 100(.25)        | 1370 WGL  | Calumet, Mich., 250 from 100(.25)       |
| 1210 WSNJ | Bridgeton, N. J., 250 from 100(.25)        | 1370 WHDF | Port Huron, Mich., 250 from 100(.25)    |
| 1220 XEBL | Mazatlan, Sin., 500 from 50                | 1370 WHLS |   |

*(Please turn to page 88)*

**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>Anniston</b>      |      |
| WHMA                 | 1420 |
| <b>Birmingham</b>    |      |
| WBIC                 | 930  |
| WGSN                 | 1310 |
| <b>Decatur</b>       |      |
| WMFO                 | 1370 |
| <b>Dothan</b>        |      |
| WAGF                 | 1370 |
| <b>Gadsden</b>       |      |
| WJBY                 | 1210 |
| <b>Huntsville</b>    |      |
| WBHP                 | 1200 |
| <b>Mobile</b>        |      |
| WALA                 | 1380 |
| WMOB                 | 1200 |
| <b>Montgomery</b>    |      |
| WCOV                 | 1210 |
| WSFA                 | 1410 |
| <b>Selma</b>         |      |
| WITB                 | 1500 |
| <b>Muscle Shoals</b> |      |
| City                 |      |
| WMSD                 | 1420 |
| <b>Tuscaloosa</b>    |      |
| WJRD                 | 1200 |
| <b>ALASKA</b>        |      |
| <b>Anchorage</b>     |      |
| KFQD                 | 780  |
| <b>Fairbanks</b>     |      |
| KPAR                 | 610  |
| <b>Juneau</b>        |      |
| KINY                 | 1430 |
| <b>Ketchikan</b>     |      |
| KGBU                 | 900  |
| <b>ARIZONA</b>       |      |
| <b>Globe</b>         |      |
| KWJB                 | 1210 |
| <b>Jerome</b>        |      |
| KCRJ                 | 1310 |
| <b>Lowell</b>        |      |
| KSUN                 | 1200 |
| <b>Phoenix</b>       |      |
| KOY                  | 1390 |
| KTAR                 | 620  |
| <b>Prescott</b>      |      |
| KYCA                 | 1500 |
| <b>Safford</b>       |      |
| KGLU                 | 1420 |
| <b>Tucson</b>        |      |
| KTUC                 | 1370 |
| KVOA                 | 1260 |
| <b>Yuma</b>          |      |
| KYUM                 | 1210 |
| <b>ARKANSAS</b>      |      |
| <b>Blytheville</b>   |      |
| KLCN                 | 1290 |

|                       |      |
|-----------------------|------|
| <b>El Dorado</b>      |      |
| KEJD                  | 1370 |
| <b>Fort Smith</b>     |      |
| KFPW                  | 1210 |
| <b>Hot Springs</b>    |      |
| KTHS                  | 1060 |
| KWFC                  | 1310 |
| <b>Jonesboro</b>      |      |
| KBTM                  | 1200 |
| <b>Little Rock</b>    |      |
| KARK                  | 800  |
| KGBI                  | 1200 |
| KLRA                  | 1390 |
| <b>Pine Bluff</b>     |      |
| KOTN                  | 1500 |
| <b>Siloam Springs</b> |      |
| KUOA                  | 1260 |
| <b>CALIFORNIA</b>     |      |
| <b>Bakersfield</b>    |      |
| KEBN                  | 1370 |
| KPMC                  | 1550 |
| <b>Berkeley</b>       |      |
| KRE                   | 1370 |
| <b>Beverly Hills</b>  |      |
| KMPC                  | 710  |
| <b>Chico</b>          |      |
| KHSL                  | 1200 |
| <b>El Centro</b>      |      |
| KNO                   | 1500 |
| <b>Eureka</b>         |      |
| KIEM                  | 1450 |
| <b>Fresno</b>         |      |
| KARM                  | 1310 |
| KMJ                   | 580  |
| <b>Glendale</b>       |      |
| KIEV                  | 850  |
| <b>Long Beach</b>     |      |
| KFOX                  | 1250 |
| KGER                  | 1360 |
| <b>Los Angeles</b>    |      |
| KECA                  | 750  |
| KFAC                  | 1300 |
| KFI                   | 640  |
| KFSG                  | 1130 |
| KFVD                  | 1000 |
| KFWB                  | 950  |
| KGFJ                  | 1200 |
| KHJ                   | 900  |
| KMTR                  | 570  |
| KNX                   | 1050 |
| KRKD                  | 1120 |
| <b>Merced</b>         |      |
| KYOS                  | 1640 |
| <b>Modesto</b>        |      |
| KTRJ                  | 740  |
| <b>Monterey</b>       |      |
| KDON                  | 1510 |
| <b>Oakland</b>        |      |
| KLS                   | 1580 |
| KLX                   | 880  |
| <b>KROW</b>           |      |
| 930                   |      |
| <b>Pasadena</b>       |      |
| KPPC                  | 1210 |
| <b>Redding</b>        |      |
| KVCV                  | 1300 |
| <b>Sacramento</b>     |      |
| KFBK                  | 1190 |
| KROY                  | 1310 |

|                         |      |
|-------------------------|------|
| <b>San Bernardino</b>   |      |
| KFXM                    | 1210 |
| <b>San Diego</b>        |      |
| KFSD                    | 600  |
| KGB                     | 1830 |
| <b>San Francisco</b>    |      |
| KPRC                    | 610  |
| KGO                     | 790  |
| KJBS                    | 1070 |
| KPO                     | 650  |
| KSAN                    | 1420 |
| KSFO                    | 560  |
| KYA                     | 1230 |
| <b>San Jose</b>         |      |
| KQW                     | 1010 |
| <b>San Luis Obispo</b>  |      |
| KVEC                    | 1200 |
| <b>Santa Ana</b>        |      |
| KVOE                    | 1500 |
| <b>Santa Barbara</b>    |      |
| KDB                     | 1500 |
| KTMS                    | 1220 |
| <b>Santa Rosa</b>       |      |
| KSRO                    | 1310 |
| <b>Stockton</b>         |      |
| KGDM                    | 1100 |
| KWG                     | 1200 |
| <b>Visalia</b>          |      |
| KTKC                    | 890  |
| <b>Watsonville</b>      |      |
| KHUB                    | 1310 |
| <b>COLORADO</b>         |      |
| <b>Alamosa</b>          |      |
| KGIW                    | 1420 |
| <b>Colorado Springs</b> |      |
| KYOB                    | 1270 |
| <b>Denver</b>           |      |
| KFEL                    | 920  |
| KLZ                     | 560  |
| KOA                     | 890  |
| KPOF                    | 880  |
| KVOD                    | 630  |
| <b>Durango</b>          |      |
| KIUP                    | 1370 |
| <b>Grand Junction</b>   |      |
| KFXJ                    | 1200 |
| <b>Greeley</b>          |      |
| KPKA                    | 880  |
| <b>La Junta</b>         |      |
| KOKO                    | 1370 |
| <b>Lamar</b>            |      |
| KIDV                    | 1420 |
| <b>Pueblo</b>           |      |
| KGHI                    | 1320 |
| <b>Sterling</b>         |      |
| KGEK                    | 1200 |
| <b>CONNECTICUT</b>      |      |
| <b>Bridgenport</b>      |      |
| WICC                    | 600  |
| <b>Hartford</b>         |      |
| WDRG                    | 1330 |
| WTIC                    | 1040 |
| WTHH                    | 1206 |
| <b>New Britain</b>      |      |
| WNBC                    | 1380 |

|                             |      |
|-----------------------------|------|
| <b>New Haven</b>            |      |
| WELI                        | 980  |
| <b>New London</b>           |      |
| WNLC                        | 1500 |
| <b>Waterbury</b>            |      |
| WATR                        | 1290 |
| WBRY                        | 1530 |
| <b>DELAWARE</b>             |      |
| <b>Wilmington</b>           |      |
| WDEL                        | 1120 |
| WILM                        | 1420 |
| <b>DISTRICT OF COLUMBIA</b> |      |
| <b>Washington</b>           |      |
| WJTV                        | 1460 |
| WMAL                        | 630  |
| WOL                         | 1230 |
| WRC                         | 950  |
| <b>FLORIDA</b>              |      |
| <b>Daytona Beach</b>        |      |
| WMPJ                        | 1420 |
| <b>Fl. Lauderdale</b>       |      |
| WFTL                        | 1370 |
| <b>Gainesville</b>          |      |
| WRUF                        | 830  |
| <b>Jacksonville</b>         |      |
| WJAX                        | 900  |
| WHP                         | 1290 |
| WMBR                        | 1370 |
| <b>Lakeland</b>             |      |
| WLAK                        | 1310 |
| <b>Miami</b>                |      |
| WIOD                        | 610  |
| WMBF                        | 610  |
| WQAM                        | 560  |
| <b>Miami Beach</b>          |      |
| WKAT                        | 1500 |
| <b>Ocala</b>                |      |
| WTMC                        | 1600 |
| <b>Orlando</b>              |      |
| WDBO                        | 580  |
| <b>Panama City</b>          |      |
| WDLP                        | 1200 |
| <b>Pensacola</b>            |      |
| WCOA                        | 1340 |
| <b>St. Augustine</b>        |      |
| WFOY                        | 1210 |
| <b>St. Petersburg</b>       |      |
| WSUN                        | 920  |
| WTSP                        | 1370 |
| <b>Sarasota</b>             |      |
| WSPR                        | 1420 |
| <b>Tallahassee</b>          |      |
| WTAL                        | 1310 |
| <b>Tampa</b>                |      |
| WDAE                        | 1220 |
| WFLA                        | 620  |
| <b>West Palm Beach</b>      |      |
| WJNO                        | 1200 |
| <b>GEORGIA</b>              |      |
| <b>Albany</b>               |      |
| WGPC                        | 1420 |
| <b>Athens</b>               |      |
| WGAU                        | 1310 |

|                    |      |
|--------------------|------|
| <b>Atlanta</b>     |      |
| WAGA               | 1450 |
| WATL               | 1370 |
| WMFB               | 1080 |
| WGST               | 890  |
| WSB                | 740  |
| <b>Augusta</b>     |      |
| WRDW               | 1500 |
| <b>Brunswick</b>   |      |
| WMOG               | 1500 |
| <b>Columbus</b>    |      |
| WRFL               | 1200 |
| <b>Griffin</b>     |      |
| WRFB               | 1600 |
| <b>Macon</b>       |      |
| WLAZ               | 1180 |
| <b>Monticello</b>  |      |
| WNGO               | 1370 |
| <b>Rome</b>        |      |
| WRGA               | 1500 |
| <b>Savannah</b>    |      |
| WSAV               | 1310 |
| WTOG               | 1260 |
| <b>Thomasville</b> |      |
| WPAK               | 1210 |
| <b>Waycross</b>    |      |
| WATX               | 1200 |
| <b>HAWAII</b>      |      |
| <b>Hilo</b>        |      |
| KHBC               | 1400 |
| <b>Honolulu</b>    |      |
| KGMB               | 1320 |
| KGU                | 750  |
| <b>Lihue</b>       |      |
| KTOH               | 1500 |
| <b>IDAHO</b>       |      |
| <b>Boise</b>       |      |
| KIDO               | 1350 |
| <b>Idaho Falls</b> |      |
| KID                | 1320 |
| <b>Lewiston</b>    |      |
| KRLC               | 1390 |
| <b>Nampa</b>       |      |
| KFXD               | 1200 |
| <b>Pocatello</b>   |      |
| KSEI               | 900  |
| <b>Twin Falls</b>  |      |
| KTFF               | 1240 |
| <b>Wallace</b>     |      |
| KVAL               | 1420 |
| <b>ILLINOIS</b>    |      |
| <b>Aurora</b>      |      |
| WMRO               | 1250 |
| <b>Bloomington</b> |      |
| WHIC               | 1200 |
| <b>Carthage</b>    |      |
| WCAZ               | 1070 |
| <b>Champaign</b>   |      |
| WDWS               | 1370 |
| <b>Chicago</b>     |      |
| WAAF               | 920  |
| WBBM               | 770  |
| WCBD               | 1080 |
| WCFL               | 970  |
| WCWR               | 1210 |
| WEDC               | 1210 |
| WENR               | 870  |

## NORTH AMERICAN B. C. STATIONS BY LOCATIONS

|                |      |
|----------------|------|
| WGES           | 1360 |
| WGN            | 720  |
| WJJD           | 1130 |
| WLS            | 870  |
| WMAQ           | 670  |
| WMBI           | 1080 |
| WSBC           | 1210 |
| Cicero         |      |
| WHRC           | 1420 |
| Danville       |      |
| WDAN           | 1500 |
| Decatur        |      |
| WJBL           | 1200 |
| East Dubuque   |      |
| WKBB           | 1500 |
| East St. Louis |      |
| WTMV           | 1500 |
| Galesburg      |      |
| WGIL           | 1500 |
| Harrisburg     |      |
| WEBQ           | 1210 |
| Herin          |      |
| WJPF           | 1310 |
| Joliet         |      |
| WCLS           | 1310 |
| Peoria         |      |
| WMBD           | 1440 |
| Quincy         |      |
| WTAD           | 900  |
| Rockford       |      |
| WROK           | 1410 |
| Rock Island    |      |
| WHRF           | 1240 |
| Springfield    |      |
| WCBS           | 1420 |
| WTAX           | 1210 |
| Tuscola        |      |
| WDZ            | 1020 |
| Urbana         |      |
| WILL           | 580  |

## INDIANA

|                |      |
|----------------|------|
| Anderson       |      |
| WHBU           | 1210 |
| Elkhart        |      |
| WTRC           | 1310 |
| Evansville     |      |
| WEOA           | 1370 |
| WGBF           | 630  |
| Fort Wayne     |      |
| WGL            | 1370 |
| WOWO           | 1160 |
| Gary           |      |
| WIND           | 560  |
| Hammond        |      |
| WHIP           | 1480 |
| WVAE           | 1200 |
| Indianapolis   |      |
| WFRM           | 1230 |
| WIBC           | 1050 |
| WIRE           | 1400 |
| Muncie         |      |
| WLBC           | 1310 |
| New Albany     |      |
| WGRC           | 1370 |
| Richmond       |      |
| WKBV           | 1500 |
| South Bend     |      |
| WFAM           | 1200 |
| WSBT           | 1360 |
| Terre Haute    |      |
| WBOW           | 1310 |
| West Lafayette |      |
| WBAA           | 890  |

## IOWA

|              |      |
|--------------|------|
| Ames         |      |
| WOI          | 640  |
| Boone        |      |
| KFGQ         | 1370 |
| Cedar Rapids |      |
| WMT          | 600  |
| Davenport    |      |
| WOC          | 1370 |
| Decorah      |      |
| KGCA         | 1270 |
| KWLC         | 1270 |
| Des Moines   |      |
| KRNT         | 1320 |
| KSO          | 1430 |
| WIO          | 1000 |
| Dubuque      |      |
| KDTH         | 1340 |
| Fort Dodge   |      |
| KVFD         | 1370 |
| Iowa City    |      |
| WSUI         | 880  |
| Marshalltown |      |
| KFJB         | 1200 |
| Mason City   |      |
| KGLO         | 1210 |
| Shenandoah   |      |
| KFNF         | 890  |
| KMA          | 930  |
| Sioux City   |      |
| KSCJ         | 1330 |
| KTRI         | 1420 |

## KANSAS

|             |      |
|-------------|------|
| Abilene     |      |
| KFBI        | 1050 |
| Atchison    |      |
| KVAK        | 1420 |
| Coffeyville |      |
| KGGF        | 1010 |
| Dodge City  |      |
| KGNO        | 1340 |
| Emporia     |      |
| KTSW        | 1370 |
| Garden City |      |
| KIUL        | 1210 |
| Great Bend  |      |
| KVGB        | 1370 |
| Hutchinson  |      |
| KWBG        | 1420 |
| Kansas City |      |
| KCKN        | 1310 |
| Lawrence    |      |
| KFRU        | 1220 |
| Manhattan   |      |
| KSAC        | 580  |
| Pittsburg   |      |
| KOAM        | 790  |
| Salina      |      |
| KSAL        | 1500 |
| Topeka      |      |
| WTRW        | 580  |
| Wichita     |      |
| KANS        | 1210 |
| KPII        | 1300 |

## KENTUCKY

|               |      |
|---------------|------|
| Ashland       |      |
| WCMI          | 1310 |
| Bowling Green |      |
| WBLJ          | 1310 |

## Covington

|            |      |
|------------|------|
| WCKY       | 1490 |
| Lexington  |      |
| WLAP       | 1420 |
| Louisville |      |
| WAVE       | 940  |
| WHAS       | 820  |
| WINN       | 1210 |
| Owensboro  |      |
| WOMI       | 1500 |
| Paducah    |      |
| WPAD       | 1420 |

## LOUISIANA

|              |      |
|--------------|------|
| Alexandria   |      |
| KALB         | 1210 |
| Baton Rouge  |      |
| WJBO         | 1120 |
| Lafayette    |      |
| KVOL         | 1310 |
| Lake Charles |      |
| KPLC         | 1500 |
| Monroe       |      |
| KMLB         | 1200 |
| New Orleans  |      |
| WDSU         | 1250 |
| WJBW         | 1200 |
| WNOE         | 1420 |
| WSMB         | 1320 |
| WWL          | 850  |
| Shreveport   |      |
| KRAMD        | 1310 |
| KTBH         | 1450 |
| KWKH         | 1100 |

## MAINE

|              |      |
|--------------|------|
| Augusta      |      |
| WRDO         | 1370 |
| Bangor       |      |
| WABI         | 1200 |
| WLBZ         | 620  |
| Lewiston     |      |
| WCOU         | 1210 |
| Portland     |      |
| WCSH         | 940  |
| WGAN         | 640  |
| Presque Isle |      |
| WAGM         | 1420 |

## MARYLAND

|            |      |
|------------|------|
| Baltimore  |      |
| WBAL       | 760  |
| WBAL       | 1060 |
| WCAO       | 600  |
| WCBM       | 1370 |
| WFBR       | 1270 |
| Cumberland |      |
| WTBO       | 800  |
| Frederick  |      |
| WFMD       | 900  |
| Hagerstown |      |
| WJFJ       | 1210 |
| Sallsbury  |      |
| WSAL       | 1200 |

## MASSACHUSETTS

|        |      |
|--------|------|
| Boston |      |
| WAAB   | 1410 |

|             |      |
|-------------|------|
| WBZ         | 990  |
| WCOP        | 1120 |
| WEEL        | 590  |
| WHDH        | 830  |
| WMEX        | 1500 |
| WNAC        | 1230 |
| WORL        | 920  |
| Fall River  |      |
| WSAR        | 1450 |
| Greenfield  |      |
| WHAI        | 1210 |
| Hyannis     |      |
| WOCB        | 1210 |
| Lawrence    |      |
| WLAW        | 680  |
| WLLH        | 1370 |
| Lowell      |      |
| WLLH        | 1370 |
| New Bedford |      |
| WNLI        | 1310 |
| Pittsfield  |      |
| WBRK        | 1310 |
| Salem       |      |
| WBSX        | 1200 |
| Springfield |      |
| WBZA        | 990  |
| WMAV        | 1420 |
| WSPR        | 1140 |
| Worcester   |      |
| WORC        | 1280 |
| WTAG        | 580  |

## MICHIGAN

|                  |      |
|------------------|------|
| Battle Creek     |      |
| WELL             | 1420 |
| Bay City         |      |
| WBCM             | 1410 |
| Calumet          |      |
| WIDF             | 1370 |
| Detroit          |      |
| WJBK             | 1500 |
| WJR              | 750  |
| WABC             | 1420 |
| WVJ              | 920  |
| WXYZ             | 1240 |
| East Lansing     |      |
| WTKR             | 850  |
| Flint            |      |
| WFDF             | 1310 |
| Grand Rapids     |      |
| WASH             | 1270 |
| WOOD             | 1270 |
| Ironwood         |      |
| WJMS             | 1420 |
| Jackson          |      |
| WIBM             | 1370 |
| Kalamazoo        |      |
| WKZO             | 590  |
| Lansing          |      |
| WJIM             | 1210 |
| Lapeer           |      |
| WMPG             | 1200 |
| Marquette        |      |
| WBEQ             | 1810 |
| Muskegon         |      |
| WKBZ             | 1500 |
| Pontiac          |      |
| WCAR             | 1100 |
| Port Huron       |      |
| WILS             | 1370 |
| Royal Oak        |      |
| WEXL             | 1310 |
| Sault Ste. Marie |      |
| WSOO             | 1200 |

## MINNESOTA

|              |      |
|--------------|------|
| Albert Lea   |      |
| KATE         | 1420 |
| Duluth       |      |
| KDAL         | 1500 |
| WEBC         | 1290 |
| Fergus Falls |      |
| KGDE         | 1200 |
| Hibbing      |      |
| WMPG         | 1210 |
| Mankato      |      |
| KYSM         | 1500 |
| Minneapolis  |      |
| WCCO         | 810  |
| WDGY         | 1189 |
| WLB          | 760  |
| WTCN         | 1250 |
| Moorhead     |      |
| KVOX         | 1310 |
| Northfield   |      |
| WCAL         | 760  |
| Rochester    |      |
| KROC         | 1310 |
| St. Cloud    |      |
| KPAM         | 1420 |
| St. Paul     |      |
| KSTP         | 1460 |
| WMIN         | 1370 |
| Virginia     |      |
| WHLB         | 1370 |
| Winona       |      |
| KWNO         | 1200 |

## MISSISSIPPI

|             |      |
|-------------|------|
| Greenville  |      |
| WJPR        | 1310 |
| Grenada     |      |
| WGRM        | 1210 |
| Gulfport    |      |
| WGCM        | 1210 |
| Hattiesburg |      |
| WFOR        | 1370 |
| Jackson     |      |
| WJDX        | 1270 |
| WSL         | 1420 |
| Laurel      |      |
| WAML        | 1310 |
| McComb      |      |
| WSKB        | 1200 |
| Meridian    |      |
| WCOG        | 880  |
| Vicksburg   |      |
| WQBC        | 1360 |

## MISSOURI

|                |      |
|----------------|------|
| Cape Girardeau |      |
| KFVS           | 1210 |
| Columbia       |      |
| KFRU           | 630  |
| Jefferson City |      |
| KWOS           | 1310 |
| Joplin         |      |
| WMBH           | 1420 |
| Kansas City    |      |
| KCMO           | 1450 |
| KTFE           | 1530 |
| KMBC           | 950  |
| WDAF           | 610  |
| WHB            | 860  |
| Poplar Bluff   |      |
| KWOC           | 1310 |

NORTH AMERICAN B. C. STATIONS BY LOCATIONS

|             |      |
|-------------|------|
| St. Joseph  |      |
| KFHQ        | 680  |
| St. Louis   |      |
| KFTO        | 550  |
| KMOX        | 1090 |
| KSD         | 550  |
| KWK         | 1350 |
| KXOK        | 1250 |
| WEW         | 760  |
| WIL         | 1200 |
| Sedalia     |      |
| KDRO        | 1500 |
| Springfield |      |
| KGEX        | 1230 |
| KWTO        | 560  |

**MONTANA**

|             |      |
|-------------|------|
| Billings    |      |
| KGHL        | 780  |
| Bozeman     |      |
| KRBM        | 1420 |
| Butte       |      |
| KGR         | 1340 |
| Great Falls |      |
| KFBB        | 1280 |
| Helena      |      |
| KPFA        | 1210 |
| Kallspoll   |      |
| KGEZ        | 1310 |
| Missoula    |      |
| KGVO        | 1260 |
| Wolf Point  |      |
| KGCX        | 1450 |

**NEBRASKA**

|              |      |
|--------------|------|
| Grand Island |      |
| KMMJ         | 740  |
| Hastings     |      |
| KHAS         | 1200 |
| Kearney      |      |
| KGFW         | 1310 |
| Lincoln      |      |
| KFAB         | 770  |
| KFOR         | 1210 |
| Norfolk      |      |
| WJAG         | 1060 |
| North Platte |      |
| KGNE         | 1430 |
| Omaha        |      |
| KOIL         | 1260 |
| KOWH         | 650  |
| WOW          | 590  |
| Scottsbluff  |      |
| KGKY         | 1500 |

**NEVADA**

|      |      |
|------|------|
| Reno |      |
| KOII | 1380 |

**NEW HAMPSHIRE**

|            |      |
|------------|------|
| Laconia    |      |
| WLNI       | 1310 |
| Manchester |      |
| WFEA       | 1340 |
| Portsmouth |      |
| WHEB       | 740  |

**NEW JERSEY**

|             |      |
|-------------|------|
| Asbury Park |      |
| WCAP        | 1290 |

|               |      |
|---------------|------|
| Atlantic City |      |
| WBAB          | 1200 |
| WPG           | 1100 |
| Bridgeton     |      |
| WSNJ          | 1210 |
| Camden        |      |
| WCAM          | 1280 |
| Jersey City   |      |
| WAAT          | 940  |
| WHOM          | 1450 |
| Newark        |      |
| WHBI          | 1350 |
| WOR           | 710  |
| Red Bank      |      |
| WBRB          | 1210 |
| Trenton       |      |
| WTNJ          | 1280 |
| Zarophath     |      |
| WAWZ          | 1350 |

**NEW MEXICO**

|             |      |
|-------------|------|
| Albuquerque |      |
| KOGM        | 1230 |
| KOB         | 1180 |
| Carlsbad    |      |
| KLAH        | 1210 |
| Clovis      |      |
| KICA        | 1370 |
| Gallup      |      |
| KAWM        | 1500 |
| Hobbs       |      |
| KWEW        | 1500 |
| Roswell     |      |
| KGFL        | 1370 |
| Santa Fe    |      |
| KVSF        | 1310 |

**NEW YORK**

|            |      |
|------------|------|
| Albany     |      |
| WABY       | 1370 |
| WOKO       | 1430 |
| Auburn     |      |
| WMBO       | 1810 |
| Binghamton |      |
| WNEF       | 1500 |
| Brooklyn   |      |
| WARD       | 1400 |
| WBBC       | 1400 |
| WBBR       | 1300 |
| WCNW       | 1500 |
| WVFW       | 1400 |
| Buffalo    |      |
| WBEN       | 900  |
| WBNY       | 1370 |
| WEBR       | 1310 |
| WGR        | 550  |
| WKBW       | 1480 |
| WYSB       | 1270 |
| Canton     |      |
| WCAD       | 1220 |
| Elmira     |      |
| WENY       | 1200 |
| WESG       | 850  |
| Fresport   |      |
| WGBB       | 1210 |
| Jamestown  |      |
| WJTN       | 1210 |
| Kingston   |      |
| WKNY       | 1500 |
| Newburgh   |      |
| WGNV       | 1220 |
| New York   |      |
| WABC       | 860  |

|               |      |
|---------------|------|
| WBIL          | 1100 |
| WBNX          | 1350 |
| WBOQ          | 860  |
| WEAF          | 660  |
| WEVD          | 1300 |
| WHN           | 1910 |
| WINS          | 1180 |
| WJZ           | 760  |
| WLTH          | 1400 |
| WMCA          | 570  |
| WNEW          | 1250 |
| WNYC          | 810  |
| WOV           | 1130 |
| WQXR          | 1550 |
| Niagara Falls |      |
| WHLD          | 1200 |
| Olean         |      |
| WHDL          | 1400 |
| Plattsburg    |      |
| WMFF          | 1310 |
| Rochester     |      |
| WHAM          | 1150 |
| WHEC          | 1430 |
| WSAY          | 1210 |
| Saranac Lake  |      |
| WNBZ          | 1290 |
| Schenectady   |      |
| WGY           | 790  |
| Syracuse      |      |
| WFLB          | 1380 |
| WYSR          | 570  |
| WSYU          | 570  |
| Troy          |      |
| WHAB          | 1300 |
| WTRY          | 950  |
| Utica         |      |
| WIBX          | 1200 |
| White Plains  |      |
| WFAS          | 1210 |
| Woodside      |      |
| WWRL          | 1500 |

**NORTH CAROLINA**

|                |      |
|----------------|------|
| Asheville      |      |
| WISE           | 1370 |
| WWNC           | 570  |
| Charlotte      |      |
| WBT            | 1080 |
| WSOC           | 1210 |
| Durham         |      |
| WDNC           | 1500 |
| Elizabeth City |      |
| WCNC           | 1370 |
| Fayetteville   |      |
| WFNC           | 1340 |
| Gastonia       |      |
| WGNC           | 1420 |
| Goldsboro      |      |
| WGBR           | 1370 |
| Greensboro     |      |
| WBIG           | 1440 |
| Greenville     |      |
| WCFC           | 1500 |
| Hickory        |      |
| WIKY           | 1370 |
| High Point     |      |
| WMFR           | 1200 |
| Kinston        |      |
| WFCC           | 1200 |
| Raleigh        |      |
| WPTF           | 680  |
| WRAL           | 1210 |
| Rocky Mount    |      |
| WEED           | 1420 |

|               |      |
|---------------|------|
| Sallsbury     |      |
| WSTP          | 1500 |
| Wilmington    |      |
| WMFD          | 1370 |
| Wilson        |      |
| WGTM          | 1310 |
| Winston-Salem |      |
| WAIR          | 1250 |
| WSJS          | 1310 |

**NORTH DAKOTA**

|             |      |
|-------------|------|
| Bismarek    |      |
| KFYR        | 550  |
| Devils Lake |      |
| KDLR        | 1210 |
| Fargo       |      |
| WDAY        | 940  |
| Grand Forks |      |
| KFMJ        | 1410 |
| Jamestown   |      |
| KRMC        | 1370 |
| Mandan      |      |
| KGCC        | 1240 |
| Mint        |      |
| KLPM        | 1360 |
| Valley City |      |
| KOVC        | 1500 |

**OHIO**

|            |      |
|------------|------|
| Akron      |      |
| WADC       | 1320 |
| WAKR       | 1530 |
| WJW        | 1210 |
| Ashtabula  |      |
| WICA       | 940  |
| Canton     |      |
| WPRC       | 1200 |
| Cincinnati |      |
| WCPO       | 1200 |
| WKRC       | 550  |
| WLW        | 700  |
| WSAI       | 1380 |
| WXXO       | 700  |
| Cleveland  |      |
| WCLE       | 610  |
| WGAR       | 1450 |
| WHK        | 1390 |
| WTAM       | 1070 |
| Columbus   |      |
| WRNS       | 1430 |
| WCOL       | 1210 |
| WHKC       | 640  |
| WOSU       | 570  |
| Dayton     |      |
| WHIO       | 1260 |
| WING       | 1380 |
| Lima       |      |
| WLOK       | 1210 |
| Mansfield  |      |
| WMAN       | 1370 |
| Portsmouth |      |
| WPAY       | 1370 |
| Toledo     |      |
| WSPD       | 1240 |
| WTOL       | 1200 |
| Youngstown |      |
| WPMJ       | 1420 |
| WKBN       | 570  |
| Zanesville |      |
| WALR       | 1210 |

**OKLAHOMA**

|      |      |
|------|------|
| Ada  |      |
| KADA | 1200 |

|               |      |
|---------------|------|
| Ardmore       |      |
| KVSO          | 1210 |
| Elk City      |      |
| KASA          | 1210 |
| Enid          |      |
| KCRC          | 1360 |
| Muskogee      |      |
| KBIX          | 1500 |
| Norman        |      |
| WNAD          | 1010 |
| Oklahoma City |      |
| KOCY          | 1310 |
| KOMA          | 1480 |
| KTOK          | 1370 |
| WKY           | 900  |
| Okmulgee      |      |
| KHBB          | 1210 |
| Ponca City    |      |
| WVBZ          | 1200 |
| Shawnee       |      |
| KGFF          | 1420 |
| Tulsa         |      |
| KOME          | 1310 |
| KTUL          | 1400 |
| KVOO          | 1140 |

**OREGON**

|               |      |
|---------------|------|
| Astoria       |      |
| KAST          | 1200 |
| Baker         |      |
| KBKR          | 1500 |
| Bend          |      |
| KBND          | 1310 |
| Corvallis     |      |
| KOAC          | 580  |
| Eugene        |      |
| KORE          | 1420 |
| Grants Pass   |      |
| KUIN          | 1310 |
| Klamath Falls |      |
| KFJL          | 1210 |
| La Grande     |      |
| KLBM          | 1420 |
| Marshfield    |      |
| KOOS          | 1200 |
| Medford       |      |
| KMED          | 1410 |
| Portland      |      |
| KALE          | 1300 |
| KBPS          | 1420 |
| KEX           | 1180 |
| KGW           | 620  |
| KOLN          | 940  |
| KWJJ          | 1040 |
| KXL           | 1420 |
| Roseburg      |      |
| KRNR          | 1500 |
| Salem         |      |
| KSLM          | 1360 |
| Pennsylvania  |      |
| Allentown     |      |
| WCBA          | 1440 |
| WSAN          | 1440 |
| Altoona       |      |
| WFBG          | 1310 |
| Easton        |      |
| WEST          | 1200 |
| Erie          |      |
| WLEU          | 1420 |
| Glenside      |      |
| WIBG          | 970  |
| Greensburg    |      |
| WHJB          | 620  |

**NORTH AMERICAN B. C. STATIONS BY LOCATIONS**

|                       |      |
|-----------------------|------|
| Grove City            |      |
| WSAJ                  | 1310 |
| Harrisburg            |      |
| WHP                   | 1430 |
| WKBO                  | 1200 |
| Hazelton              |      |
| WAZL                  | 1420 |
| Johnstown             |      |
| WJAC                  | 1370 |
| Lancaster             |      |
| WGAL                  | 1500 |
| New Castle            |      |
| WKST                  | 1250 |
| Philadelphia          |      |
| KYW                   | 1020 |
| WCAU                  | 1170 |
| WDAS                  | 1370 |
| WFIL                  | 560  |
| WHAT                  | 1310 |
| WIP                   | 610  |
| WPEN                  | 920  |
| WTEL                  | 1310 |
| Pittsburgh            |      |
| KDKA                  | 980  |
| KQV                   | 1380 |
| WCAE                  | 1220 |
| WJAS                  | 1290 |
| WWSV                  | 1500 |
| Reading               |      |
| WEEU                  | 830  |
| WRAW                  | 1310 |
| Seranton              |      |
| WGBI                  | 830  |
| WQAN                  | 880  |
| Sharon                |      |
| WPIC                  | 780  |
| Sunbury               |      |
| WKOK                  | 1210 |
| Uniontown             |      |
| WMBS                  | 1420 |
| Wilkes-Barre          |      |
| WBAX                  | 1210 |
| WBRE                  | 1310 |
| Williamsport          |      |
| WIAK                  | 1370 |
| York                  |      |
| WORK                  | 1320 |
| <b>PUERTO RICO</b>    |      |
| Mayaguez              |      |
| WPIA                  | 1370 |
| Ponce                 |      |
| WPRP                  | 1420 |
| San Juan              |      |
| WKAQ                  | 1240 |
| WNEL                  | 1290 |
| <b>RHODE ISLAND</b>   |      |
| Providence            |      |
| WEAN                  | 780  |
| WJAR                  | 890  |
| WPRO                  | 630  |
| <b>SOUTH CAROLINA</b> |      |
| Anderson              |      |
| WAIM                  | 1200 |
| Charleston            |      |
| WCSC                  | 1360 |
| WTMA                  | 1210 |
| Columbia              |      |
| WCOS                  | 1370 |

|                     |      |
|---------------------|------|
| WIS                 | 560  |
| Florence            |      |
| WOLS                | 1200 |
| Greenville          |      |
| WFBC                | 1300 |
| Spartanburg         |      |
| WSPA                | 920  |
| Sumter              |      |
| WFIG                | 1310 |
| <b>SOUTH DAKOTA</b> |      |
| Aberdeen            |      |
| KABR                | 1390 |
| Brookings           |      |
| KFDY                | 780  |
| Pierre              |      |
| KGFX                | 630  |
| Rapid City          |      |
| KOBH                | 1370 |
| WCAT                | 1200 |
| Sioux Falls         |      |
| KELO                | 1200 |
| KSOO                | 1110 |
| Vermillion          |      |
| KUSD                | 890  |
| Yankton             |      |
| WNAX                | 570  |
| <b>TENNESSEE</b>    |      |
| Bristol             |      |
| WOPI                | 1500 |
| Chattanooga         |      |
| WAPO                | 1420 |
| WDOD                | 1280 |
| Cookeville          |      |
| WHUB                | 1370 |
| Jackson             |      |
| WTJS                | 1310 |
| Johnson City        |      |
| WJHL                | 1200 |
| Knoxville           |      |
| WNOX                | 1010 |
| WROL                | 1310 |
| Memphis             |      |
| WHBQ                | 1370 |
| WMC                 | 780  |
| WMPS                | 1430 |
| WREC                | 600  |
| Nashville           |      |
| WLAC                | 1470 |
| WSIX                | 1210 |
| WSM                 | 650  |
| <b>TEXAS</b>        |      |
| Abilene             |      |
| KRBC                | 1420 |
| Amarillo            |      |
| KFDA                | 1500 |
| KGNC                | 1410 |
| Austin              |      |
| KNOW                | 1500 |
| KTBC                | 1120 |
| Beaumont            |      |
| KPDM                | 560  |
| KRIC                | 1420 |
| Big Spring          |      |
| KBST                | 1500 |
| Brady               |      |
| KNEL                | 1500 |

|                 |      |
|-----------------|------|
| Brownsville     |      |
| KGFI            | 1500 |
| College Station |      |
| WTAW            | 1120 |
| Corpus Christi  |      |
| KRIS            | 1830 |
| Coriscana       |      |
| KAND            | 1310 |
| Dallas          |      |
| KRLD            | 1040 |
| WFAA            | 800  |
| WBR             | 1280 |
| Denton          |      |
| KDNT            | 1420 |
| Dublin          |      |
| KFPL            | 1310 |
| El Paso         |      |
| KROD            | 1500 |
| KTSM            | 1310 |
| WDAH            | 1810 |
| Fort Worth      |      |
| KFJZ            | 1240 |
| KGKO            | 570  |
| WBAR            | 800  |
| Galveston       |      |
| KLUF            | 1370 |
| Houston         |      |
| KPRC            | 920  |
| KTRH            | 1290 |
| KXYZ            | 1440 |
| Huntsville      |      |
| KSAM            | 1500 |
| Kilgore         |      |
| KOCA            | 1210 |
| Laredo          |      |
| KPAB            | 1500 |
| Longview        |      |
| KPRO            | 1370 |
| Luhbock         |      |
| KPYO            | 1310 |
| Lufkin          |      |
| KRBA            | 1310 |
| Midland         |      |
| KRLH            | 1420 |
| Palestine       |      |
| KNEI            | 1420 |
| Pampa           |      |
| KPDN            | 1310 |
| Paris           |      |
| KPLT            | 1500 |
| Pecos           |      |
| KIUN            | 1370 |
| Plainview       |      |
| KYRD            | 1200 |
| Port Arthur     |      |
| KPAC            | 1260 |
| San Angelo      |      |
| KGKL            | 1370 |
| San Antonio     |      |
| KARC            | 1420 |
| KMAC            | 1370 |
| KONO            | 1370 |
| KTSA            | 550  |
| WOAL            | 1190 |
| Sherman         |      |
| KRRV            | 1310 |
| Sweetwater      |      |
| KXOX            | 1210 |
| Temple          |      |
| KTEM            | 1370 |
| Texarkana       |      |
| KCMC            | 1420 |
| Tyler           |      |
| KGKB            | 1500 |
| Vernon          |      |
| KVWC            | 1500 |

|                   |      |
|-------------------|------|
| Victoria          |      |
| KVIC              | 1310 |
| Waco              |      |
| WACO              | 1420 |
| Weslaco           |      |
| KIRGV             | 1260 |
| Wichita Falls     |      |
| KWTF              | 620  |
| <b>UTAH</b>       |      |
| 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 |
| <b>VERMONT</b>    |      |
| Burlington        |      |
| WCAX              | 1200 |
| Rutland           |      |
| WSTB              | 1500 |
| St. Albans        |      |
| WQDM              | 1390 |
| Springfield       |      |
| WNBX              | 1260 |
| Waterbury         |      |
| WDEV              | 580  |
| <b>VIRGINIA</b>   |      |
| Charlottesville   |      |
| WCHV              | 1420 |
| Danville          |      |
| WBTV              | 1370 |
| Fredericksburg    |      |
| WFVA              | 1260 |
| Harrisonburg      |      |
| WSVA              | 550  |
| Lynchburg         |      |
| WLVA              | 1200 |
| Newport News      |      |
| WGH               | 1310 |
| Norfolk           |      |
| WTAR              | 780  |
| Petersburg        |      |
| WPIV              | 1210 |
| Richmond          |      |
| WBBL              | 1210 |
| WMBQ              | 1350 |
| WRNL              | 880  |
| WRDZ              | 1500 |
| WRVA              | 1110 |
| Roanoke           |      |
| WDRB              | 930  |
| Suffolk           |      |
| WLPM              | 1420 |
| <b>WASHINGTON</b> |      |
| Aberdeen          |      |
| KXIO              | 1310 |
| Bellingham        |      |
| KVOS              | 1200 |

|                      |      |
|----------------------|------|
| Centralia            |      |
| KELA                 | 1440 |
| Everett              |      |
| KRKO                 | 1370 |
| Longview             |      |
| KWLK                 | 760  |
| Olympia              |      |
| KGY                  | 1210 |
| Pullman              |      |
| KWSC                 | 1220 |
| Seattle              |      |
| KEEN                 | 1370 |
| KIRO                 | 710  |
| KJR                  | 970  |
| KOL                  | 1270 |
| KOMO                 | 920  |
| KRSC                 | 1120 |
| KTW                  | 1220 |
| KXA                  | 760  |
| Spokane              |      |
| KFIO                 | 1120 |
| KFPY                 | 890  |
| KGA                  | 1470 |
| KHQ                  | 590  |
| Tacoma               |      |
| KMO                  | 1330 |
| KVI                  | 570  |
| Vancouver            |      |
| KVAN                 | 880  |
| Walla Walla          |      |
| KUJ                  | 1370 |
| Wenatchee            |      |
| KPQ                  | 1500 |
| Yakima               |      |
| KIT                  | 1250 |
| <b>WEST VIRGINIA</b> |      |
| Beckley              |      |
| WJLS                 | 1210 |
| Bluefield            |      |
| WHHS                 | 1410 |
| Charleston           |      |
| WCHS                 | 580  |
| WKV                  | 1500 |
| Clarksburg           |      |
| WBLK                 | 1370 |
| Fairmont             |      |
| WMMN                 | 890  |
| Huntington           |      |
| WSAZ                 | 1190 |
| Parkersburg          |      |
| WPAI                 | 1420 |
| Wheeling             |      |
| WVVA                 | 1160 |
| Williamson           |      |
| WBTH                 | 1370 |
| <b>WISCONSIN</b>     |      |
| Eau Claire           |      |
| WEAU                 | 1050 |
| Fond du Lac          |      |
| KFIZ                 | 1420 |
| Green Bay            |      |
| WHBY                 | 1200 |
| WTAQ                 | 1330 |
| Janesville           |      |
| WCLO                 | 1200 |
| LaCrosse             |      |
| WKBH                 | 1380 |
| Madison              |      |
| WHIA                 | 940  |



NORTH AMERICAN B. C. STATIONS BY LOCATIONS

WIBA 1280  
Manitowoc  
WOMT 1210  
Marinette  
WJAM 570  
Milwaukee  
WEMP 1310  
WISN 1120  
WTML 620

Poynette  
WIBU 1210  
Racine  
WRJN 1370  
Rice Lake  
WJMC 1210  
Sheboygan  
WHRL 1300  
Stevens Point  
WLBL 900  
Superior  
WDSM 1200  
Wausau  
WSAU 1370

WYOMING

Casper  
KDFN 1440  
Rock Springs  
KVR5 1370  
Sheridan  
KWYO 1370

BAHAMAS

Nassau  
ZNS 790

CANADA ALBERTA

Calgary  
CFAC 930  
CFCN 1030  
CJCN 600  
Edmonton  
CFRN 900  
CJCA 730  
CKUA 580  
Grande Prairie  
CFGP 1200  
Lethbridge  
CJOC 1210

BRITISH COLUMBIA

Chilliwack  
CHWK 780  
Kamloops  
CFJC 880  
Kelowna  
CKOV 630  
Nelson  
CKLN 1420  
Prince Rupert  
CFPR 580  
Trail  
CJAT 910  
Vancouver  
CVR 1100  
CJOR 600  
CKCD 1010

CKFC 1410  
CKMO 1410  
CKWX 1010  
Victoria  
CFCT 1450

MANITOBA

Brandon  
CKX 1120  
Flin Flon  
CFAR 1370  
Winnipeg  
CHRC 630  
CKY 910

NEW BRUNSWICK

Fredericton  
CFNB 550  
Moncton  
CKCW 1370  
Sackville  
CBA 1050  
St. John  
CHSJ 1120

NOVA SCOTIA

Glace Bay  
VAS 685  
Halifax  
CHNS 930  
Sydney  
CJCB 1240  
Wolfville  
CKIC 1010  
Yarmouth  
CJLS 1310

ONTARIO

Brantford  
CKPC 920  
Chatham  
CFCO 630  
Cobalt  
CKMC 1210  
Fort William  
CKPR 550  
Hamilton  
CHML 1010  
CKOC 1120  
Kenora  
CKCA 1420  
Kingston  
CFRC 1510  
Kirkland Lake  
CJKL 1210  
London  
CFPL 730  
North Bay  
CFCH 930  
Ottawa  
CBO 580  
CKCO 1010  
Owen Sound  
CFOS 1370  
Prescott  
CFLC 930  
St. Catharines  
CKTB 1200

Sault Ste. Marie  
CJIC 1500  
Stratford  
CJCS 1210  
Sudbury  
CKSO 780  
Timmins  
CKGB 1440  
Toronto  
CBL 840  
CBY 1420  
CFRB 600  
CKCL 580

Waterloo  
CKCB 1510  
Windsor  
CKLW 1030  
Wingham  
CKNX 1200

PRINCE EDWARD ISLAND

Charlottetown  
CFCY 630  
CHCK 1310  
Summerside  
CHGS 1450

QUEBEC

Chicoutimi  
CJBJ 1120  
Hull  
CKCH 1210  
Montreal  
CJF 910  
CBM 960  
CFCF 600  
CHLP 1120  
CKAC 730  
New Carlisle  
CHNC 610  
Quebec  
CHRC 580  
CKCV 1310  
CBV 950  
Rimouski  
CJBR 1030  
Rouyn  
CKRN 1370  
St. Anne de la Pocatiere  
CHGB 1200  
Sherbrooke  
CHLT 1210  
Three Rivers  
CHLN 1420

ASKATCHEWAN

Moose Jaw  
CHAB 1200  
Prince Albert  
CKBI 1210  
Regina  
CJRM 950  
CKCK 1010  
Saskatoon  
CFQC 600  
Watrous  
CBK 540  
Yorkton  
CJGX 1430

COSTA RICA

Alajuela  
TISCV 575  
San Jose  
TIAPB 900  
TIEMC 860  
TIEP 830  
TIFA 1000  
TIGH 690  
TIGPH 600  
TIGPH2 1225  
TIHO 1030  
TILJ 775  
TILS 880  
TINBC 1070  
TING 750  
TIOS 940  
TIPO 625  
TIRCC 1200  
TIRS 920  
TIXD 800

CUBA

Bayamo  
CMKL 950  
Calbarien  
CMHD 1270  
Camaguey  
CMJA 800  
CMJC 1390  
CMJE 1230  
CMJF 930  
CMJK 1290  
CMJW 1070  
CMJX 740  
Cardenas  
CMGE 1370  
Ciago de Avila  
CMJH 1360  
CMJI 1130  
CMJO 1290  
Cienfuegos  
CMHJ 1160  
CMHM 1450  
CMHX 1480  
Cruces  
CMHK 1210  
Guantanamo  
CMKS 710  
Guines  
CM9RT 1580  
Havana  
CMRC 690  
CMRD 1260  
CMBF 1560  
CMBG 1140  
CMBH 1600  
CMBL 750  
CMBQ 910  
CMB5 1170  
CMBX 1080  
CMBY 1440  
CMBZ 940  
CMB 1530  
CMCA 1350  
CMCB 1230  
CMCD 630  
CMCF 810  
CMCG 1290  
CMCH 1050  
CMCJ 1110  
CMCK 970  
CMCL 730  
CMCM 850

CMCO 1200  
CMCQ 1410  
CMCU 1010  
CMCR 1320  
CMCW 1380  
CMCX 1470  
CMCY 570  
CMK 720  
CMOA 660  
CMOX 1500  
CMQ 780  
CMW 550  
CMX 880  
Holguin  
CMKF 1460  
CMKO 1280

Manzanillo

CMKE 1310  
CMKM 1080

Matanzas

CMGF 1120  
CMGH 790  
Moron  
CMJP 1420

Palma Soriano

CMKZ 1430  
Pinar del Rio  
CMAB 1240

Placetas

CMHP 1100  
Sagua la Grande  
CMTA 1080  
CMHO 870  
Sancti Spiritus  
CMHB 1240

Santa Clara

CMHI 830  
CMHW 680

Santiago

CMKC 1250  
CMKD 910  
CMKG 1150  
CMKQ 1490  
CMKR 1400  
CMKW 750  
CMKX 1130

Trinidad

CMHT 929

DOMINICAN REPUBLIC

Ciudad Trujillo

HTG 900  
HTN 1090  
HTX 800  
HIT 1050  
HIZ 1370  
HISQ 1470

EL SALVADOR

San Salvador  
YSS 640

GUATEMALA

Guatemala City  
TGW 1520  
TGX 1400  
TGI 1310

**NORTH AMERICAN B. C. STATIONS BY LOCATIONS**

|  |   |  |  |  |
|--|---|--|--|--|
| <p>Quezaltenango<br/>TGQ 1450</p> <hr/> <p><b>HONDURAS</b></p> <hr/> <p>Tegucigalpa<br/>IIRN 1450</p> <hr/> <p><b>MEXICO</b></p> <hr/> <p>Aguascalientes</p> <hr/> <p>Aguascalientes<br/>XEAD 1240<br/>XEBI 1000</p> <hr/> <p><b>BAJA CALIFORNIA</b></p> <hr/> <p>Mexicali</p> <p>XEAA 750<br/>XEAO 660<br/>XECL 1100</p> <p>Tijuana</p> <p>XEAC 980<br/>XEAU 1310<br/>XEBG 820<br/>XEC 1150<br/>XELO 730<br/>XEMO 860<br/>XERB 1090</p> <hr/> <p><b>CAMPECHE</b></p> <hr/> <p>Campeche<br/>XFA 1400</p> <hr/> <p><b>CHIHUAHUA</b></p> <hr/> <p>Chihuahua</p> <p>XEBU 1240<br/>XEBW 1340<br/>XEPI 1440<br/>XEM 1390</p> <p>Juarez</p> <p>XEF 1450<br/>XEFV 1210<br/>XEF 1020</p> | <p>XEP 1160</p> <p>Parral<br/>XEAT 1210</p> <hr/> <p><b>COAHUILA</b></p> <hr/> <p>Piedras Negras</p> <p>XEMG 580<br/>XEPN 730</p> <p>Sabinas</p> <p>XEBX 640</p> <p>Saltillo</p> <p>XEAS 1160</p> <p>Torreon</p> <p>XETB 1310<br/>XEDM 1400</p> <p>Villa Acuna</p> <p>XEDH 1340<br/>XERA 840</p> <hr/> <p><b>DISTRITO FEDERAL</b></p> <hr/> <p>Mexico City</p> <p>XEAI 1250<br/>XEB 1030<br/>XEBB 1340<br/>XEBZ 810<br/>XEDA 1220<br/>XEDP 1080<br/>XEFO 940<br/>XEEP 1130<br/>XEK 990<br/>XEKR 1380<br/>XEL 1150<br/>XELZ 1370<br/>XEN 780<br/>XEQ 730<br/>XEQR 1500<br/>XERC 830<br/>XERH 1430<br/>XESM 1270<br/>XEW 890<br/>XEXX 1170</p> <hr/> <p><b>DURANGO</b></p> <hr/> <p>Durango</p> <p>XEBP 1150<br/>XEE 1210</p> | <p><b>GUANAJUATO</b></p> <hr/> <p>Irapuato</p> <p>XEBO 1310</p> <p>Leon</p> <p>XEFM 1160<br/>XEKL 1240</p> <p>Silao</p> <p>XEW 720</p> <hr/> <p><b>JALISCO</b></p> <hr/> <p>Guadalajara</p> <p>XED 1160<br/>XEHK 1230<br/>XELAV 1340</p> <p>Guzman</p> <p>XEBA 1080</p> <hr/> <p><b>MEXICO</b></p> <hr/> <p>Texcoco</p> <p>XEXE 1270</p> <p>Toluca</p> <p>XECH 1490</p> <hr/> <p><b>MICHOACAN</b></p> <hr/> <p>Morelia</p> <p>XEBE 1240<br/>XEI 1370</p> <hr/> <p><b>NUEVO LEON</b></p> <hr/> <p>Monterrey</p> <p>XEFB 870<br/>XEG 1230<br/>XEH 740<br/>XET 690<br/>XEX 1310</p> <hr/> <p><b>OAXACA</b></p> <hr/> <p>Oaxaca</p> <p>XEXH 1150</p> <hr/> <p><b>PUEBLA</b></p> <hr/> <p>Puebla</p> <p>XETH 1210</p> | <p><b>SAN LUIS POTOSI</b></p> <hr/> <p>San Luis Potosi</p> <p>XECX 1370</p> <hr/> <p><b>SINALOA</b></p> <hr/> <p>Mazatlan</p> <p>XEBL 1220<br/>XEDS 1400</p> <hr/> <p><b>SONORA</b></p> <hr/> <p>Cananea</p> <p>XEFQ 1010</p> <p>Guaymas</p> <p>XEDR 1490</p> <p>Hermosillo</p> <p>XEBH 930</p> <p>Navojoa</p> <p>XEAJ 1406<br/>XEDL 1240</p> <p>Nogales</p> <p>XEAF 990</p> <p>Obregon</p> <p>XEAP 1340</p> <hr/> <p><b>TAMAULIPAS</b></p> <hr/> <p>Matamoros</p> <p>XEAM 750</p> <p>Nuevo Laredo</p> <p>XEBK 1030<br/>XEDF 810<br/>XEFE 980<br/>XENT 810</p> <p>Reynosa</p> <p>XEAW 960</p> <p>Tampico</p> <p>XECA 1230<br/>XEFW 1310<br/>XES 990</p> <p>Victoria</p> <p>XEBJ 1340</p> | <p><b>VERACRUZ</b></p> <hr/> <p>Cordoba</p> <p>XEAG 1310<br/>XUCW 1240</p> <p>Jalapa</p> <p>XEXB 1270</p> <p>Minatitlan</p> <p>XEDW 1150</p> <p>Veracruz</p> <p>XETF 1220<br/>XEU 1010</p> <hr/> <p><b>YUCATAN</b></p> <hr/> <p>Merida</p> <p>XEPC 1340<br/>XEME 1240<br/>XEZ 630</p> <hr/> <p><b>MIQUELON</b></p> <hr/> <p>St. Pierre</p> <p>FQN 609</p> <hr/> <p><b>NEWFOUNDLAND</b></p> <hr/> <p>St. John's</p> <p>VOAC 1065<br/>VOAR 950<br/>VOCM 1040<br/>VOGY 840<br/>VONF 640<br/>VOWR 700</p> <hr/> <p><b>PANAMA</b></p> <hr/> <p>Colon</p> <p>HOK 640</p> |
|--|---|--|--|--|

(Continued from 82)

|           |                                       |           |                                       |
|-----------|---------------------------------------|-----------|---------------------------------------|
| 1370 WIBM | Jackson, Mich., 250 from 100(.25)     | 1420 WMBH | Joplin, Mo., 250 from 100(.25)        |
| 1390 XEM  | Chihuahua, Chih., from 1380           | 1420 WMBS | Uniontown, Pa., 250 from 100(.25)     |
| 1370 WJAC | Johnstown, Pa., 250 from 100(.25)     | 1420 WNOE | New Orleans, La., 250 from 100(.25)   |
| 1370 WM1N | St. Paul, Minn., 250 from 100(.25)    | 1420 WPAD | Paducah, Ky., 250 from 100(.25)       |
| 1370 WRAK | Williamsport, Pa., 250 from 100(.25)  | 1430 WHP  | Harrisburg, Pa., 1000(5) from 500(1)  |
| 1370 WRJN | Racine, Wis., 250 from 100(.25)       | 1440 XEFI | Chihuahua, Chih., 1 kw from 250       |
| 1420 KFAM | St. Cloud, Minn., 250 from 100(.25)   | 1490 WCKY | Covington, Ky., 50 kw from 10 kw      |
| 1420 KGFF | Shawnee, Ok.                          | 1500 KGKY | Scottsbluff, Nebr., 250 from 100(.25) |
| 1420 KGFF | Shawnee, Okla., 250 from 100(.25)     | 1500 KNOW | Austin, Tex., 250 from 100            |
| 1420 KRBC | Abilene, Tex., 250 from 100(.25)      | 1500 KPAB | Laredo, Tex., 250 from 100(.25)       |
| 1420 KRIC | Beaumont, Tex., 250 from 100(.25)     | 1500 KPLC | Lake Charles.                         |
| 1420 WHFC | Cicero, Ill.                          | 1500 KPLC | Lake Charles, La., 250 from 100(.25)  |
| 1420 WHFC | Cicero, Ill., 250 from 100(.25)       | 1500 KSAM | Huntsville, Tex., 250 from 100        |
| 1420 WJMS | Ironwood, Mich., 250 from 100         | 1500 KVWC | Vernon, Tex., 250 from 100(.25)       |
| 1420 WMAS | Springfield, Mass., 250 from 100(.25) | 1500 WDAN | Danville, Ill., 250 from 100(.25)     |
| 1420 WMBC | Detroit, Mich., 250 from 100(.25)     |           |                                       |

(Please turn to page 94)

## 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 | 1209 | CKCL | 580  | CMBQ | 910  | CMHK | 1210 | CMKX  | 1190 |
| CBF  | 910  | CHGS | 1450 | CKCO | 1010 | CMB5 | 1170 | CMHM | 1450 | CMKZ  | 1430 |
| CBJ  | 1120 | CHLN | 1420 | CKCR | 1510 | CMBX | 1080 | CMHO | 870  | CMOA  | 660  |
| CBK  | 540  | CHLP | 1120 | CKCV | 1310 | CMBY | 1440 | CMHP | 1100 | CMOX  | 1500 |
| CBL  | 840  | CHLT | 1210 | CKCW | 1370 | CMBZ | 940  | CMHT | 920  | CMQ   | 780  |
| CBM  | 960  | CHML | 1010 | CKFC | 1410 | CMC  | 1530 | CMHW | 680  | CMW   | 550  |
| CBO  | 880  | CHNC | 610  | CKGB | 1440 | CMCA | 1350 | CMHX | 1480 | CMX   | 880  |
| CBR  | 1100 | CHNS | 930  | CKIC | 1010 | CMCB | 1230 | CMJA | 860  | CM9RT | 1580 |
| CBV  | 950  | CHRC | 580  | CKLN | 1420 | CMCD | 630  | CMJC | 1390 | FQN   | 609  |
| CBY  | 1420 | CHSJ | 1120 | CKLW | 1030 | CMCF | 810  | CMJE | 1230 | HIG   | 900  |
| CFAC | 930  | CHWK | 780  | CKMC | 1210 | CMCG | 1290 | CMJF | 930  | HIN   | 1090 |
| CFAR | 1370 | CJAT | 910  | CKMO | 1410 | CMCJ | 1110 | CMJH | 1360 | HIT   | 1050 |
| CFCF | 600  | CJBR | 1030 | CKNX | 1209 | CMCH | 1050 | CMJI | 1430 | HIX   | 800  |
| CFCH | 930  | CJCA | 730  | CKOC | 1120 | CMCK | 970  | CMJK | 1290 | HIZ   | 1370 |
| CFCN | 1030 | CJCB | 1240 | CKOV | 630  | CMCL | 730  | CMJO | 1260 | H18Q  | 1470 |
| CFCO | 630  | CJCJ | 690  | CKPC | 930  | CMCM | 850  | CMJP | 1420 | HOK   | 640  |
| CFCT | 1450 | CJCS | 1210 | CKPR | 580  | CMCO | 1200 | CMJW | 1070 | HRN   | 1450 |
| CFCY | 630  | CJGX | 1430 | CKRN | 1370 | CMCQ | 1410 | CMJX | 740  | KABC  | 1420 |
| CFGP | 1200 | CJIC | 1500 | CKSO | 780  | CMCR | 1320 | CMK  | 720  | KABR  | 1390 |
| CFJC | 880  | CJKL | 1310 | CKTB | 1200 | CMCU | 1010 | CMKC | 1250 | KADA  | 1200 |
| CFLC | 930  | CJLS | 1310 | CKUA | 580  | CMCW | 1380 | CMKD | 910  | KALB  | 1210 |
| CFNB | 550  | CJOC | 1210 | CKWX | 1010 | CMCX | 1470 | CMKE | 1310 | KALE  | 1300 |
| CFOS | 1370 | CJOR | 600  | CKX  | 1120 | CMCY | 590  | CMKF | 1460 | KAND  | 1310 |
| CFPL | 730  | CJRC | 630  | CKY  | 910  | CMGE | 1370 | CMKG | 1150 | KANS  | 1210 |
| CFPR | 580  | CJRM | 950  | CMAB | 1240 | CMGF | 1120 | CMKL | 950  | KARK  | 890  |
| CFQC | 600  | CKAC | 730  | CMBC | 690  | CMGH | 790  | CMKM | 1080 | KARM  | 1310 |
| CFRB | 690  | CKBI | 1210 | CMBD | 1260 | CMHA | 1090 | CMKO | 1280 | KASA  | 1210 |
| CFRC | 1510 | CKCA | 1420 | CMBF | 1560 | CMHB | 1240 | CMKQ | 1490 | KAST  | 1200 |
| CFRN | 960  | CKCD | 1010 | CMBG | 1140 | CMHD | 1270 | CMKR | 1400 | KATE  | 1420 |
| CHAB | 1200 | CKCH | 1210 | CMBH | 1600 | CMHI | 830  | CMKS | 710  | KAWM  | 1500 |
| CHCK | 1310 | CKCK | 1010 | CMBL | 759  | CMHJ | 1160 | CMKW | 770  | KBIX  | 1500 |

|      |      |      |      |      |      |      |      |      |      |      |      |
|------|------|------|------|------|------|------|------|------|------|------|------|
| KBKR | 1500 | KFBK | 1490 | KFXJ | 1200 | KGLU | 1420 | KLCN | 1290 | KOL  | 1270 |
| KBND | 1310 | KFDA | 1500 | KFXM | 1210 | KGMB | 1320 | KLO  | 1400 | KOMA | 1480 |
| KBPS | 1420 | KFDM | 560  | KFYO | 1310 | KGNC | 1410 | KLPM | 1360 | KOME | 1310 |
| KBST | 1500 | KFDY | 780  | KFYR | 550  | KGNF | 1430 | KLRA | 1390 | KOMO | 920  |
| KBTM | 1200 | KFEL | 920  | KGA  | 1470 | KGNO | 1340 | KLS  | 1280 | KONO | 1370 |
| KCKN | 1310 | KFEQ | 680  | KGB  | 1330 | KGO  | 790  | KLUF | 1370 | KOOS | 1200 |
| KCMC | 1420 | KFGQ | 1370 | KGBU | 900  | KGU  | 750  | KLX  | 880  | KORE | 1420 |
| KCMO | 1450 | KFH  | 1300 | KGBX | 1230 | KGVO | 1260 | KLZ  | 560  | KOTN | 1500 |
| KCRC | 1360 | KFI  | 640  | KGCA | 1270 | KGW  | 620  | KMA  | 930  | KOVC | 1500 |
| KCRJ | 1310 | KFIO | 1120 | KGCU | 1240 | KGY  | 1210 | KMAC | 1370 | KOVO | 1210 |
| KDAL | 1500 | KFIZ | 1420 | KGCX | 1450 | KHAS | 1200 | KMBC | 950  | KOWH | 660  |
| KDB  | 1500 | KFJB | 1200 | KGDE | 1200 | KHBC | 1400 | KMED | 1410 | KOY  | 1390 |
| KDFN | 1440 | KFJI | 1210 | KGDM | 1100 | KHBG | 1210 | KMJ  | 580  | KPAB | 1500 |
| KDKA | 980  | KFJM | 1410 | KGEK | 1200 | KHJ  | 900  | KMLB | 1200 | KPAC | 1260 |
| KDLR | 1210 | KFJZ | 1240 | KGER | 1360 | KHQ  | 590  | KMMJ | 740  | KPDN | 1310 |
| KDNT | 1420 | KFKA | 880  | KGEZ | 1310 | KHSL | 1260 | KMO  | 1330 | KPFA | 1210 |
| KDON | 1210 | KFKU | 1220 | KGFF | 1420 | KHUB | 1310 | KMOX | 1090 | KPFT | 1210 |
| KDRO | 1500 | KFNF | 890  | KGFI | 1500 | KICA | 1370 | KMPC | 710  | KPLC | 1500 |
| KDTH | 1340 | KFOR | 1210 | KGFI | 1200 | KID  | 1320 | KMTR | 570  | KPLT | 1500 |
| KDYL | 1290 | KFOX | 1250 | KGFL | 1370 | KIDO | 1350 | KNEL | 1500 | KPMC | 1550 |
| KECA | 780  | KFPL | 1310 | KGFW | 1310 | KIDW | 1420 | KNET | 1420 | KPO  | 680  |
| KEEN | 1370 | KFPW | 1210 | KGFX | 630  | KIEM | 1450 | KNOW | 1500 | KPOF | 880  |
| KELA | 1440 | KFPY | 890  | KGGF | 1010 | KIEV | 850  | KNX  | 1050 | KPPC | 1210 |
| KELD | 1370 | KFQD | 780  | KGGM | 1230 | KINY | 1430 | KOA  | 830  | KPQ  | 1500 |
| KELO | 1200 | KFRC | 610  | KGHF | 1320 | KIRO | 710  | KOAC | 550  | KPRC | 920  |
| KERN | 1370 | KFRO | 1370 | KGHI | 1200 | KIT  | 1250 | KOAM | 790  | KQV  | 1380 |
| KEUB | 1420 | KFRU | 630  | KGHL | 780  | KITE | 1530 | KOB  | 1180 | KQW  | 1010 |
| KEX  | 1180 | KFSD | 600  | KGIR | 1340 | KIUL | 1210 | KOBH | 1370 | KRBA | 1310 |
| KFAB | 770  | KFSG | 1120 | KGIW | 1420 | KIUN | 1370 | KOCA | 1210 | KRBC | 1420 |
| KFAC | 1300 | KFUO | 550  | KGKB | 1500 | KIUP | 1370 | KOCY | 1310 | KRBM | 1420 |
| KFAM | 1420 | KFVD | 1000 | KGKL | 1370 | KJBS | 1070 | KOH  | 1380 | KRE  | 1370 |
| KFAR | 610  | KFVS | 1210 | KGKO | 570  | KJR  | 970  | KOIL | 1260 | KRGV | 1260 |
| KFBB | 1280 | KFWB | 950  | KGKY | 1500 | KLAH | 1210 | KOIN | 940  | KRIC | 1420 |
| KFBI | 1050 | KFXD | 1200 | KGLO | 1210 | KLBM | 1420 | KOKO | 1370 | KRIS | 1330 |

|           |           |           |             |           |           |
|-----------|-----------|-----------|-------------|-----------|-----------|
| KRKD 1120 | KVOO 1140 | KVOL 1310 | KYA 1230    | VOAR 950  | WBAX 1210 |
| KRKO 1370 | KTEM 1370 | KVOR 1270 | KYCA 1500   | VOWR 700  | WBBC 1400 |
| KRLC 1390 | KTFI 1240 | KVOS 1200 | KYOS 1040   | WAAB 1410 | WBBL 1210 |
| KRLD 1040 | KTHS 1060 | KVOX 1310 | KYSM 1500   | WAAF 920  | WBBM 770  |
| KRLH 1420 | KTKC 890  | KVRS 1370 | KYUM 1210   | WAAT 940  | WBBR 1300 |
| KRMC 1370 | KTMS 1220 | KVSF 1310 | KYW 1020    | WABC 860  | WBBZ 1200 |
| KRMD 1310 | KTOH 1500 | KVSO 1210 | TGQ 1450    | WABI 1200 | WBCM 1410 |
| KRRR 1500 | KTOK 1370 | KVWC 1500 | TGW 1520    | WABY 1370 | WBEN 900  |
| KRNT 1320 | KTRB 740  | KWAL 1420 | TGX 1400    | WACO 1420 | WBEO 1310 |
| KROC 1310 | KTRH 1290 | KWBD 1200 | TGI 1310    | WADC 1320 | WBHP 1200 |
| KROD 1500 | KTRI 1420 | KWBG 1420 | TIAFB 900   | WAGA 1450 | WBIG 1440 |
| KROW 930  | KTSA 550  | KWEW 1500 | TIEMC 860   | WAGF 1370 | WBIL 1100 |
| KROY 1210 | KTSM 1310 | KWFC 1310 | TIEP 830    | WAGM 1420 | WBLK 1370 |
| KRRV 1310 | KTSW 1370 | KWFT 620  | TIFA 1000   | WAIM 1200 | WBNS 1430 |
| KRSC 1120 | KTUC 1370 | KWG 1200  | TIGH 690    | WAIR 1250 | WBNX 1350 |
| KSAC 580  | KTUL 1400 | KWJB 1210 | TIGPH 605   | WAKR 1530 | WBNY 1370 |
| KSAL 1500 | KTW 1220  | KWJJ 1040 | TIGPH2 1225 | WALA 1380 | WBOQ 860  |
| KSAM 1500 | KUIN 1310 | KWK 1350  | TIHO 1030   | WALR 1210 | WBOW 1310 |
| KSAN 1420 | KUJ 1370  | KWKH 1100 | TILJ 775    | WAML 1310 | WBRB 1210 |
| KSCJ 1330 | KUOA 1260 | KWLC 1270 | TILS 880    | WAPI 1140 | WBRC 930  |
| KSD 550   | KUSD 890  | KWLK 780  | TINBC 1070  | WAPQ 1420 | WBRE 1310 |
| KSEI 900  | KUTA 1500 | KWNO 1200 | TING 750    | WARD 1400 | WBRK 1310 |
| KSFO 560  | KVAK 1420 | KWOC 1310 | TIOS 940    | WASH 1270 | WBRY 1530 |
| KSL 1130  | KVAN 880  | KWOS 1310 | TIPG 625    | WATL 1370 | WBT 1080  |
| KSLM 1360 | KVCV 1200 | KWSC 1220 | TIRCC 1200  | WATR 1290 | WBTH 1370 |
| KSO 1430  | KVEC 1200 | KWTO 560  | TIRS 920    | WAVE 940  | WBTM 1370 |
| KSOO 1110 | KVFD 1370 | KWYO 1370 | TIXD 800    | WAWZ 1350 | WBZ 990   |
| KSRO 1310 | KVGB 1370 | KXA 760   | T14NRH 725  | WAYX 1200 | WBZA 990  |
| KSTP 1460 | KVI 570   | KXL 1420  | T15CV 575   | WAZL 1420 | WCAD 1220 |
| KSUB 1310 | KVIC 1310 | KXO 1500  | VAS 685     | WBAA 890  | WCAE 1220 |
| KSUN 1200 | KVNU 1200 | KXOK 1250 | VOCM 1040   | WBAB 1200 | WCAL 760  |
| KTAR 620  | KVOA 1260 | KXOX 1210 | VONF 640    | WBAL 760  | WCAM 1280 |
| KTBC 1120 | KVOD 630  | KXRO 1310 | VOGY 840    | WBAL 1060 | WCAO 600  |
| KTBS 1450 | KVOE 1500 | KXYZ 1440 | VOAC 1065   | WBAP 800  | WCAP 1280 |

|           |           |           |           |           |           |
|-----------|-----------|-----------|-----------|-----------|-----------|
| WCAR 1100 | WDAN 1500 | WESX 1500 | WGES 1360 | WHEB 740  | WINS 1180 |
| WCAT 1200 | WDAS 1370 | WEVD 1310 | WGH 1310  | WHFC 1420 | WIOD 610  |
| WCAU 1170 | WDAY 940  | WEW 760   | WGIL 1500 | WHFC 1420 | WIP 610   |
| WCAX 1200 | WDBJ 930  | WEXL 1310 | WGKY 1500 | WHIO 1260 | WIRE 1400 |
| WCAZ 1070 | WDBO 580  | WFAA 800  | WGL 1370  | WHIP 1480 | WIS 560   |
| WCBA 1440 | WDEL 1120 | WFAM 1200 | WGN 720   | WHIS 1410 | WISE 1370 |
| WCBD 1080 | WDEV 550  | WFAS 1200 | WGNC 1420 | WHJB 620  | WISN 1120 |
| WCBM 1370 | WDGY 1180 | WFBC 1300 | WGNV 1220 | WHK 1390  | WJAC 1370 |
| WCBS 1420 | WDLP 1200 | WFBG 1310 | WGPC 1420 | WHKC 640  | WJAG 1050 |
| WCCO 810  | WDNC 1500 | WFBL 1360 | WGR 550   | WHKY 1370 | WJAR 890  |
| WCFL 970  | WDOD 1280 | WFBM 1230 | WGRC 1370 | WHLB 1370 | WJAS 1290 |
| WCHS 580  | WDRC 1330 | WFR 1270  | WGRM 1210 | WHLD 1260 | WJAX 900  |
| WCHV 1420 | WDSM 1200 | WFDF 1310 | WGST 890  | WHLS 1370 | WJBC 1200 |
| WCKY 1490 | WDSU 1250 | WFEA 1340 | WGTC 1500 | WHMA 1420 | WJBK 1500 |
| WCLE 610  | WDWS 1370 | WFIG 1310 | WGTM 1310 | WHN 1010  | WJBL 1200 |
| WCLO 1200 | WDZ 1020  | WFIL 560  | WGY 790   | WHO 1000  | WJBO 1120 |
| WCLS 1310 | WEAF 660  | WFLA 620  | WHA 940   | WHOM 1450 | WJBY 1210 |
| WCMI 1310 | WEAN 780  | WFMD 900  | WHAT 1210 | WHP 1430  | WJBW 1200 |
| WCNC 1370 | WEAU 1050 | WFMJ 1420 | WHAM 1150 | WHUB 1370 | WJDX 1270 |
| WCNW 1500 | WEBC 1290 | WFNC 1340 | WHAS 820  | WIBA 1280 | WJEJ 1210 |
| WCOA 1340 | WEBQ 1210 | WFOR 1370 | WHAT 1310 | WIBC 1050 | WJHL 1200 |
| WCOC 880  | WEBR 1310 | WFOY 1210 | WHAZ 1300 | WIBG 970  | WJHP 1290 |
| WCOL 1210 | WEDC 1210 | WFTC 1200 | WHB 860   | WIBM 1370 | WJIM 1210 |
| WCOP 1120 | WEED 1420 | WFTL 1370 | WHBB 1500 | WIBU 1210 | WJJD 1130 |
| WCOS 1370 | WEEL 590  | WFVA 1260 | WHBC 1200 | WIBW 580  | WJLS 1210 |
| WCOU 1210 | WEEU 830  | WGAL 1500 | WHBF 1240 | WIBX 1200 | WJMC 1210 |
| WCOV 1210 | WELI 930  | WGAN 640  | WHBI 1250 | WICA 940  | WJMS 1420 |
| WCPO 1200 | WELL 1420 | WGAR 1450 | WHBL 1300 | WICC 600  | WJNO 1200 |
| WCRW 1210 | WEMP 1310 | WGAU 1310 | WHBQ 1370 | WIL 1200  | WJPF 1310 |
| WCSC 1360 | WENR 870  | WGBB 1210 | WHBU 1210 | WILL 580  | WJPR 1310 |
| WCSH 940  | WENY 1200 | WGBF 630  | WHBY 1200 | WILM 1420 | WJR 750   |
| WDAE 1220 | WEOA 1370 | WGBI 880  | WHDF 1370 | WIND 560  | WJRD 1200 |
| WDAF 610  | WESG 850  | WGBR 1370 | WHDH 830  | WING 1380 | WJSV 1460 |
| WDAH 1310 | WEST 1200 | WGCM 1210 | WHDL 1400 | WINN 1210 | WJTN 1210 |

|      |      |      |      |      |      |      |      |      |      |      |      |
|------|------|------|------|------|------|------|------|------|------|------|------|
| WJW  | 1210 | WLS  | 870  | WMPS | 1430 | WOY  | 1130 | WRR  | 1280 | WSVA | 550  |
| WJZ  | 760  | WLTH | 1400 | WMRO | 1250 | WOW  | 590  | WRTD | 1500 | WSVS | 1370 |
| WKAQ | 1240 | WLVA | 1200 | WMSD | 1420 | WOWO | 1160 | WRUF | 830  | WSYB | 1500 |
| WKAR | 850  | WLW  | 700  | WMT  | 600  | WPAD | 1420 | WRVA | 1110 | WSYR | 570  |
| WKAT | 1500 | WMAL | 630  | WNAC | 1230 | WPAR | 1420 | WSAI | 1330 | WSYU | 570  |
| WKBB | 1500 | WMAM | 570  | WNAD | 1010 | WPAX | 1210 | WSAJ | 1310 | WTAD | 900  |
| WKBH | 1380 | WMAN | 1370 | WNAX | 570  | WPAY | 1370 | WSAL | 1200 | WTAG | 580  |
| WKBN | 570  | WMAQ | 670  | WNBC | 1380 | WPEN | 920  | WSAN | 1440 | WTAL | 1310 |
| WKBO | 1200 | WMAS | 1420 | WNBK | 1500 | WPG  | 1100 | WSAR | 1450 | WTAM | 1070 |
| WKBV | 1500 | WMAZ | 1180 | WNBH | 1310 | WPIC | 780  | WSAU | 1370 | WTAQ | 1330 |
| WKBW | 1480 | WMBC | 1420 | WNBX | 1260 | WPIV | 1210 | WSAV | 1310 | WTAR | 780  |
| WKBZ | 1500 | WMBD | 1440 | WNBZ | 1290 | WPRO | 1370 | WSAY | 1210 | WTAW | 1120 |
| WKEU | 1500 | WMBF | 610  | WNEL | 1290 | WPRO | 630  | WSAZ | 1190 | WTAX | 1210 |
| WKNY | 1500 | WMBG | 1350 | WNEW | 1250 | WPRP | 1420 | WSB  | 740  | WTBO | 800  |
| WKOK | 1210 | WMBH | 1420 | WNLC | 1500 | WPTF | 680  | WSBC | 1210 | WTCN | 1250 |
| WKRC | 550  | WMBI | 1080 | WNOE | 1420 | WQAM | 560  | WSBT | 1360 | WTEL | 1310 |
| WKST | 1250 | WMBO | 1310 | WNOX | 1010 | WQAN | 880  | WSFA | 1410 | WTHT | 1200 |
| WKY  | 900  | WMBR | 1370 | WNYC | 810  | WQBC | 1360 | WSGN | 1310 | WTIC | 1040 |
| WKZO | 590  | WMBS | 1420 | WOAI | 1190 | WQDM | 1390 | WSIX | 1210 | WTJS | 1310 |
| WLAC | 1470 | WMC  | 780  | WOC  | 1370 | WQXR | 1550 | WSJS | 1310 | WTMA | 1210 |
| WLAK | 1310 | WMCA | 570  | WOCD | 1210 | WRAK | 1370 | WSKB | 1200 | WTMC | 1500 |
| WLAP | 1420 | WMEX | 1500 | WOI  | 640  | WRAL | 1210 | WSLI | 1470 | WTMJ | 620  |
| WLAW | 680  | WMFD | 1370 | WOKO | 1430 | WRAW | 1310 | WSM  | 650  | WTMV | 1500 |
| WLB  | 760  | WMFF | 1310 | WOL  | 1230 | WRBL | 1200 | WSMB | 1320 | WTNJ | 1280 |
| WLBC | 1310 | WMFG | 1210 | WOLS | 1200 | WRC  | 950  | WSNJ | 1210 | WTOC | 1260 |
| WLBJ | 1310 | WMFJ | 1420 | WOMI | 1500 | WRDO | 1370 | WSOC | 1210 | WTOL | 1200 |
| WLBL | 900  | WMFO | 1370 | WOMT | 1210 | WRDW | 1500 | WSOO | 1200 | WTRC | 1310 |
| WLBZ | 620  | WMFR | 1200 | WOCB | 1210 | WREC | 600  | WSPA | 920  | WTRY | 950  |
| WLEU | 1420 | WMGA | 1370 | WOPI | 1500 | WREN | 1220 | WSPB | 1420 | WTSP | 1370 |
| WLLH | 1370 | WMIN | 1370 | WOR  | 710  | WRGA | 1500 | WSPD | 1340 | WVFW | 1400 |
| WLLH | 1370 | WMMN | 890  | WORC | 1280 | WRJN | 1370 | WSPR | 1140 | WWAE | 1200 |
| WLNH | 1310 | WMOB | 1200 | WORK | 1320 | WRNL | 880  | WSTP | 1500 | WWJ  | 920  |
| WLOK | 1210 | WMOG | 1500 | WORL | 920  | WROK | 1410 | WSUI | 880  | WWL  | 850  |
| WLPM | 1420 | WMPC | 1200 | WOSU | 570  | WROL | 1310 | WSUN | 620  | WWNC | 570  |

|           |           |           |           |           |           |
|-----------|-----------|-----------|-----------|-----------|-----------|
| WWRL 1500 | XEAU 1310 | XEC 1150  | XEFB 870  | XEL 1150  | XERH 1430 |
| WWSW 1500 | XEAW 960  | XECA 1230 | XEFC 1340 | XELO 730  | XES 990   |
| WWVA 1160 | XEB 1030  | XECH 1490 | XEFE 980  | XELW 1340 | XESM 1270 |
| WXYZ 1240 | XEBA 1080 | XECL 1100 | XEFI 1440 | XELZ 1370 | XET 690   |
| W8XO 700  | XEBC 1240 | XECW 1240 | XEFM 1160 | XEM 1390  | XETB 1310 |
| XEA 1400  | XEBG 820  | XECZ 1370 | XEFO 940  | XEME 1240 | XETH 1210 |
| XEAA 750  | XEBH 980  | XED 1160  | XEFQ 1010 | XEMO 860  | XEU 1010  |
| XEAC 980  | XEBI 1000 | XEDA 1220 | XEFV 1210 | XEMU 580  | XEW 890   |
| XEAD 1240 | XEBJ 1340 | XEDF 810  | XEFW 1310 | XEMX 1280 | XEWE 720  |
| XEAF 990  | XEBK 1080 | XEDH 1340 | XEG 1230  | KEN 780   | XEX 1310  |
| XEAG 1310 | XEBL 1220 | XEDL 1240 | XEH 740   | XENT 910  | XEXB 1270 |
| XEAI 1250 | XEBO 1310 | XEDM 1400 | XEHK 1230 | XEP 1160  | XEXE 1270 |
| XEAJ 1400 | XEBP 1150 | XEDP 1080 | XEI 1370  | XEPN 730  | XEXH 1150 |
| XEAM 750  | XEBS 1340 | XEDR 1490 | XEJ 1020  | XEQ 730   | XEXX 1170 |
| XEAO 660  | XEBU 1240 | XEDS 1400 | XEJP 1130 | XEQK 1500 | XEZ 630   |
| XEAP 1340 | XEBW 1340 | XEDW 1150 | KEK 990   | XERA 840  | YSS 640   |
| XEAS 1160 | XEBX 640  | XEE 1210  | XEKL 1240 | XERB 1090 | ZNS 790   |
| XEAT 1210 | XEBZ 810  | XEF 1450  | XEKR 1280 | XERC 830  |           |

(Continued from page 88)

|                           |   |
|---------------------------|---|
| 1500 WGAL                 | Lancaster, Pa., 250 from 100(25)                |
| 1500 WJBK                 | Detroit, Mich., 250 from 100(25)                |
| 1500 WKAT                 | Miami Beach, Fla., 250 from 100(25)             |
| 1500 WKBB                 | E. Dubuque, Ill., 250 from 100(25)              |
| 1500 WMBF                 | Binghamton, N. Y., 250 from 100(25)             |
| 1500 WOMI                 | Owensboro, Ky., 250 from 100(25)                |
| 1500 WRDW                 | Augusta, Ga., 250 from 100(25)                  |
| 1500 WTMV                 | E. St. Louis, Ill., 250 from 100(25)            |
| 1500 WWSW                 | Pittsburgh, Pa., 250 from 100(25)               |
| 1500 XEQK                 | Mexico City, 400 from 100                       |
| Network                   |   |
| 1200 WDSM                 | Superior, Wis., to MBS.                         |
| 1290 WEDC                 | Duluth, Minn., to MBS.                          |
| 1330 KSCJ                 | Sioux City, Iowa, to NBC                        |
| Owner                     |   |
| 1200 WJHL                 | WJHL, Inc., Johnson City, Tenn.                 |
| 1220 WGNY                 | Courier Pub. Corp., Newburgh, N. Y.             |
| 1370 WMFO                 | Tenn. Valley Brdcastg. Co., Inc., Decatur, Ala. |
| Permit to Change Location |   |
| 1200 WHBY                 | Green Bay to Appleton, Wis.                     |
| 1210 WGRAM                | Grenada to Greenwood, Miss.                     |
| 1050 KFBI                 | Abilene, to Wichita, Kans.                      |
| 1500 WKBB                 | E. Dubuque, Iowa.                               |

|                                    |                              |          |       |
|------------------------------------|------------------------------|----------|-------|
| Permit to Change Frequency         |                              |          |       |
| 770 KFAB                           | Lincoln, Nebr., to 1080.     |          |       |
| 1200 WJRL                          | Decatur, to 1310.            |          |       |
| 1210 WCOL                          | Columbus, Ohio, to 1200      |          |       |
| 1310 WBOW                          | Terre Haute, to 1200.        |          |       |
| 1320 KGBM                          | Honolulu, to 590.            |          |       |
| 1370 KFRO                          | Longview, to 1340.           |          |       |
| 1370 WPRA                          | Mayaguez, to 780.            |          |       |
| 1450 KTBS                          | Shreveport, to 620.          |          |       |
| 1500 KSAL                          | Salina, to 1120.             |          |       |
| Stations Using Special Frequencies |                              |          |       |
| Call                               | City                         | Assigned | Using |
| KIRO                               | Seattle                      | 650      | 710   |
| KTHS                               | Hot Springs                  | 1040     | 1060  |
| KWKH                               | Shreveport                   | 850      | 1100  |
| WTIC                               | Hartford                     | 1060     | 1040  |
| Permit to Change Power             |                              |          |       |
| 590 WKZO                           | KKalamazoo, to 250(1).       |          |       |
| 630 WPRO                           | Providence, to 1000(5).      |          |       |
| 760 KXA                            | Seattle, to 1000.            |          |       |
| 770 KFAB                           | Lincoln, to 50000.           |          |       |
| 850 WKAR                           | E. Lansing, to 5000.         |          |       |
| 880 WRNL                           | Richmond, to 1000.           |          |       |
| 890 KFNF                           | Shenandoah, to 1000(5).      |          |       |
| 900 KGBU                           | Ketchikan, to 1000.          |          |       |
| 940 WICA                           | Ashtabula, to 500.           |          |       |
| 1200 KVNU                          | Logan, Utah, to 250.         |          |       |
| 1200 WENY                          | Elmira, N. Y., to 250        |          |       |
| 1210 WALR                          | Zanesville, Ohio, to 250     |          |       |
| 1210 WCOL                          | Columbus, Ohio, to 250       |          |       |
| 1250 WKST                          | New Castle to 1000.          |          |       |
| 1310 WBOW                          | Terre Haute, Ind., to 250 w. |          |       |
| 1310 WLNH                          | Laconia, N. H., to 250 w.    |          |       |
| 1350 KWK                           | St. Louis to 5000.           |          |       |
| 1350 WMBG                          | Richmond, to 1000(5).        |          |       |
| 1370 KFRO                          | Longview, to 1000.           |          |       |



STATEMENT OF THE OWNERSHIP, MANAGEMENT, CIRCULATION, ETC.

Required by the Acts of Congress of Aug. 24, 1912, and March 3, 1933.

Of Radio Index, published monthly except July and August, at Teaneck, New Jersey for Oct. 1, 1939. State of New Jersey, County of Bergen, ss.:

Efefore me, a Notary Public in and for the State and county aforesaid, personally appeared Page Taylor, who, having been duly sworn according to law, deposes and says that he is the Business Manager of the RADIO INDEX, and that the following is, to the best of his knowledge and belief, a true statement of the ownership, management, etc., of the aforesaid publication for the date shown in the above caption, required by the Act of August 24, 1912, as amended by the Act of March 3, 1933, embodied in section 537, Postal Laws and Regulations, to wit:

1. That the names and addresses of the publisher, editor, managing editor, and business managers are: Publisher, The Radex Publishing Co., 362 Cedar Lane, Teaneck, N. J., Editor, Page Taylor, 362 Cedar Lane, Teaneck, N. J.; Managing Editor, None; Business Manager, Page Taylor, 362 Cedar Lane, Teaneck, N. J.

2. That the owner is: The Radex Publishing Co., 362 Cedar Lane, Teaneck, N. J. The following are the names and addresses of stockholders holding 1 per cent or more of the capital stock of The Radex Publishing Co.; L. A. Byrne, 147 E. 34th St., N. Y., N. Y. and L. A. Byrne, 147 E. 34th St., N. Y., N. Y. as trustee for W. B. Auer, 148 Copley Ave., Teaneck, N. J., A. F. Wiess, 91 Griggs Ave., Teaneck, N. J. and W. C. Auer, 148 Copley Ave., Teaneck, N. J.

3. That the known bondholders, mortgagees, and other security holders owning or holding 1 per cent or more of total amount of bonds, mortgages, or other securities are: None.

4. That the two paragraphs next above, giving the names of the owners, stockholders, and security holders, if any, contain not only the list of stockholders and security holders as they appear upon the books of the company but also, in cases where the stockholder or security holder appears upon the books of the company as trustee or in any other fiduciary relation, the name of the person or corporation for whom such trustee is acting, is given; also that the said two paragraphs contain statements embracing affiant's full knowledge and belief as to the circumstances and conditions under which stockholders and security holders who do not appear upon the books of the company as trustees, hold stock and securities in a capacity other than that of a bona fide owner; and this affiant has no reason to believe that any other person, association, or corporation has any interest direct or indirect in the said stock, bonds, or other securities than as so stated by him.

Page Taylor, Business Manager. Sworn to and subscribed before me this 25th day of September, 1939.

C. Lawson Grafflin, (Seal) (My commission expires Sept. 1, 1941.)

"I walked seven miles for my first copy of RADEX in February, 1939, and have not missed a copy since, nor do I intend to miss one in the future." James Taylor, Crooksville, Ohio.

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## Selected Back Numbers

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Tuning South Pacific Stations, Tuning South Americans, and a list of South American Broadcasting Stations, Oct. '38.

Dialing the Europeans, Nov. '38.

Dialing the Asiatics, Dec. '38.

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

Stations of France and Norway, March '39.

Stations of New Zealand, April '39. Television is Here, list of Television Stations, the stations of Colombia, China and Venezuela, Midsummer '39.

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