

N.S.E.

THE DECEMBER 1936

RADIO INDEX

25¢

The All-wave DX Log of the World



When to Tune For the
Day's News

All the Foreign Broadcasting
Stations

Why Winter Nights Are Best

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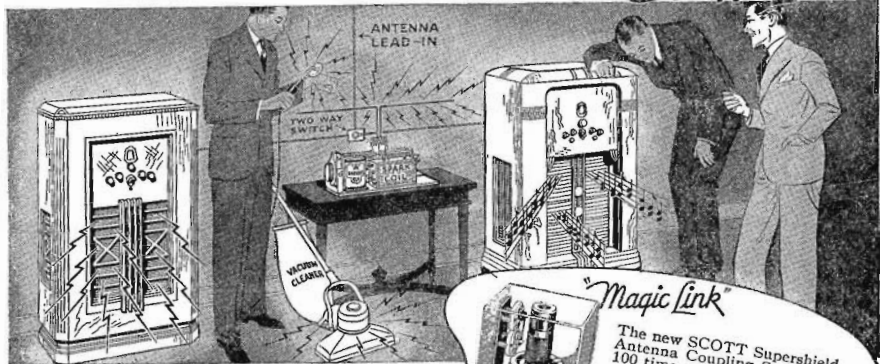
The largest and most beautiful Globe we have ever seen for the money. Almost 37 inches in circumference. Maps in brilliant colors completely up-to-date. It should be in every home.

Price \$3.95 postpaid.
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If you live in Ohio, add 3% for State Sales Tax

The Radex Press, Conneaut, O.

SENSATIONAL *New* SCOTT "MAGIC LINK" CONQUERS "Man-Made" STATIC



23 Tube High Fidelity SCOTT Equipped
with "MAGIC LINK" IN AMAZING DEMONSTRATION
PROVES QUIET FOREIGN RECEPTION
NOW POSSIBLE IN BAD RECEIVING LOCATIONS

On Wednesday, October 7, 1936, at the SCOTT Radio Laboratories, a small group of radio engineers and short wave enthusiasts were shown, for the first time, the latest development of the SCOTT Research Laboratories. They intently watched two radio sets at one end of a room—both connected to the same lead-in with a two-way switch, and both tuned in to DJB, Germany, 15.20 megacycles.

Germany Blotted Out

Suddenly, within three feet of these receivers, a terrific barrage of interference was turned on—from a violet ray machine, vacuum cleaner and automobile ignition coil, buzzing out streams of "man-made" static! What happened? From one receiver came a deafening roar such as you would hear in a boiler factory—and the program from Germany was completely blotted out!

Clear with "Magic Link"

The two-way switch on the antenna was then thrown to the 23-tube SCOTT equipped with the sensational new "MAGIC LINK", the SCOTT Supershield Antenna Coupling System, and from Germany, over 4,000 miles away, the program came in as crystal clear, strong and enjoyable as a local station—all without the slightest trace of "man-made" static from the violet ray machine, vacuum cleaner and spark coil, each crashing and spluttering only three feet away from the antenna lead-in.

Quiet Foreign Reception Now Possible for First Time in Many Locations

WHAT SCOTT SUPERSHIELD ANTENNA COUPLING SYSTEM ACCOMPLISHES

1. Doubles sensitivity or distance-getting ability of antenna and receiver combination, as compared with best results with any previous noise-reducing antenna with inefficient shielded coupler.
2. Improves antenna lead-in signal to noise ratio by 100 to 1 over best previous accomplishment of any antenna.
3. Eliminates shielded coupler switch. Switching from broadcast to short wave bands is automatic with SCOTT Supershield Antenna Coupling System.

The climax of 8 years of tireless research, this sensational new development means that "man-made" static caused by electrical appliances and picked up on the lead-in has, for the first time, been conquered without loss of signal strength! Up to

this time foreign reception from England, Germany, France, Italy and many other foreign stations has been spoiled for thousands of residents of apartment buildings, hotels and homes by the static from electrical appliances picked up on the antenna lead-in. Now these programs can be heard clearly, quietly, regularly—with the 23-tube SCOTT equipped with the new SCOTT Supershield Antenna Coupling System.

COMPARE IN YOUR OWN HOME

We invite you to make a 30-day side-by-side comparison test of the SCOTT against any other receiver, regardless of price. If the SCOTT does not bring in foreign and domestic stations with more volume, greater clarity, and with finer and more natural tone, we will refund your payment price without question.

Send TODAY for complete proof—and full description of this remarkable new development that now makes possible in conjunction with the 23-tube FULL RANGE HIGH FIDELITY SCOTT Receiver, unparalleled tone, and distance performance in every continent of the globe. Discover this vast new world of radio entertainment you will never hear without a SCOTT. SEND COUPON NOW.



FREE-SEND TODAY FOR DETAILS

E. H. Scott Radio Laboratories, Inc.
4450 Ravenswood Ave., Dept. 15W6,
Chicago, Ill.

Send details of unequalled D X Tone of 23 Tube SCOTT with new "Magic Link" Antenna Coupling System.

Name.....
Address.....
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Builders of the World's Finest Custom-Built Radios Since 1924

Death Takes FRED C. BUTLER Founder of RADEX

Dies at Conneaut, Ohio, October 12, Bringing to
Abrupt End Long Career of Usefulness

FRED CLAYTON BUTLER, Editor and Publisher of RADEX, died suddenly on October 12, from coronary thrombosis. He had not been ill at any time up to almost the hour of his untimely death, and the sad news comes as a great shock to his many friends in the publishing and radio industries.

Mr. Butler had had a colorful career, and was still a comparatively young man. Born on a farm in Illinois, he attended country schools, then high school in the city, then normal school where he secured a teacher's certificate. He taught school, was thoroughly well read, and had an unusual understanding of economics and philosophy.

After a brief teaching career, he became a railroad stenographer and then chief clerk in the general offices at Chicago. Later he was appointed secretary of a corporation in Kalamazoo, Mich., and while there he became interested in commercial club work. He was made secretary of the Chamber of Commerce at Kalamazoo and established such a reputation that he received a call from the Chamber of Commerce at Jamestown, N. Y., and later from North Tonawanda, N. Y.

He was elected a director of the U. S. Chamber of Commerce. About this time the war broke out, and the Chamber recommended his appointment by the government to take charge of Americanization and rehabilitation. At some sacrifice in salary he accepted the appointment, and was chairman of President Wil-

son's Committee on Americanization. His job was to provide adequate quarters for the many civilian workers in armories, arsenals and in private plants commandeered by the government, and his interest was always in their welfare.

He was directly under Secretary of War Newton D. Baker, and later under Secretary of the Interior Franklin K. Lane, both of whom became his personal friends. Indeed, letters of commendation from both now hang upon the walls of the RADEX offices.

Following the war he desired to return to private business. He was promptly offered the position of Executive Secretary of the Cleveland Garment Manufacturers' Association, which comprised 39 of the largest manufacturing plants in Cleveland, and it was his duty to act as arbiter and mediator in all matters affecting capital and labor, and during the ten or more years of his service, no labor strike occurred in the garment industry in that city!

About this time radio made its appearance, and Mr. Butler became instantly interested, designing and building many sets of his own, largely for amusement. Then he conceived the idea of a radio "log," listing the various stations, and immediately proceeded to produce it. He originated the idea of arranging radio stations by wave-lengths and kilocycles. RADEX, the first radio log ever published, arranged its constantly increasing list of radio stations in three different ways; by

RADEX Mourns Its Chief . . . but Carries On



FRED C. BUTLER

kilocycles, alphabetically and geographically. The first issue appeared thirteen years ago. It was small in size and contained no editorial matter.

Improvements were made constantly and the magazine grew. Copies are now mailed to every civilized country in the world. It is relied upon for its accuracy and completeness by various governments and governmental bureaus. At the present moment RADEX is being transcribed into Braille for the blind by the American Red Cross. Many radio stations have instituted special programs in honor of RADEX and its host of readers.

In the death of Fred C. Butler,

radio loses a master technician, a loyal and devoted friend, an ardent supporter.

But RADEX will go on! His policies will be faithfully continued under the direction of Mrs. Elizabeth Butler, who was connected with the publication for a number of years, and who is familiar with all its details. Page Taylor, B. Francis Dashiell, Carleton Lord and others who have contributed to the popularity and success of RADEX, will continue as in the past. They hope to serve their many readers as efficiently as Mr. Butler did; and it will be their endeavor to maintain the magazine upon the same high plane.

DECEMBER 1, 1936



RADIO IN DEX

Reg. U. S. Patent Office

ELIZABETH S. BUTLER
Publisher

PAGE TAYLOR
Editor

ASSOCIATE EDITORS
B. FRANCIS DASHIELL, *Technical*
CARLETON LORD, *Broadcast*



THIRTEENTH YEAR

NUMBER 104

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\$1.75 Per Year

25c Per Copy

See Subscription Blank on Page 11
Published Monthly Excepting July and August

THE RADEX PRESS

Publication Office: 326 Penton Bldg., Cleveland Ohio

Editorial and Advertising Office: Cleveland, Ohio

Entered as second-class matter April 23, 1931, at the postoffice at Cleveland, Ohio,
under the Act of March 3, 1879.

Printed in U. S. A.

WINTER NIGHTS Are Best For DX

• • • By B. FRANCIS DASHIELL

RECEPTION during the winter is always at its best. This remains true in spite of the fact that radio apparatus is now approaching mechanical and electrical perfection, and is able to give remarkable performance every day in the year. But winter reception, particularly at night, will always be best. The seasons tend to influence the various phenomena which control radio activities; man will never be able to change these.

From the first days of radio it has been obvious that the weather and seasons affect radio reception. In winter, when the weather is clear and cold, reception is good; and, in summer, when it is warm and humid, static is a great annoyance. But it is true that static also appears in winter. However, winter nights consistently provide the best radio reception that it is possible to find.

Blame The Weather

Summer heat, with its moisture and great, towering clouds, is the factor that creates most of our static. No person has been able to overcome this handicap. Summer static has always been in the air. Benjamin Franklin was the first to discover it, but it took radio to make static audible. Radio listeners know only too well that, regardless of how fine and costly their receivers may be, they must await the coming of winter before really good, clear reception from great distances is practicable. And what thrills may be experienced when good winter nights make DX signals pound in like nearby locals!

From late fall until early spring, radio reception is generally good. At times, however, during the cold weather of midwinter, we are surprised when reception is marred by

static, weak signals and fading. But, knowing the advantages of cold weather over the warmth of summer, we are willing to lose an occasional night by winter static. Winter is the season to make those long lists of DX stations, and try for verifications that would be considered impossible in the summer months.

Winter Static

Winter static is about the only thing that seriously affects good reception. Blanketing and fading come from a situation that exists high above, and are apt to appear just the same in winter or summer. Winter static is caused by conditions somewhat similar to those creating summer static, for it must



Helen Jepson, lovely prima donna of the Show Boat program with Lanny Ross, is heard on the NBC-Red network at 9 and 11 pm Thursdays. Miss Jepson was one of the first of radio's woman stars to be signed up by the Metropolitan Opera Company.

be remembered that the whole world is not being subjected to our own wintry weather. Two adjacent regions may be experiencing widely different temperatures. Tropical warmth may not be many hundreds of miles from clear and cold winter skies.

All static is not produced locally. When we realize the tremendous energy in a single discharge of lightning, it can be understood that static is broadcast over the land. Radio and lightning waves have similar characteristics, so, when the power of a broadcasting station is compared to the energy released by a single flash of lightning, we can see why static might be heard in sensitive receivers hundreds of miles away.

Changes In Weather

Scientists have estimated that many lightning discharges take place every second throughout the world. It is reasonable, therefore, to believe that thunderstorms in the warmer portions of the American continent would produce static sounds in radio sets farther north where cold weather exists. Experiments with radio compasses have indicated that static from storms can be heard as far as 1,000 miles away.

Situations that tend to disturb radio reception during winter are generally due to changes from clear and cold, to warmer and unsettled, weather. Static producing atmosphere then quickly appears, and almost before one can realize, local static comes hissing, clicking and grinding through the speaker. This winter static is unlike that of local thunderstorms, but is similar to the summer static that prevails during warm and humid weather. In winter, too, local thunderstorm static may occur, for it is not impossible to have discharges of electricity in the clouds accompanying squalls and snowstorms.

What About Blizzards?

Falling snow is a prolific source of static at times. Nothing in the atmosphere, except the violent tossing of rain drops at the top of summer storm clouds or sand and dust storms, can produce so much electricity. Frequently the flakes are charged with static electricity, and tiny discharges or impulses arise. These tiny waves carry only a short distance, and radio sets beyond the snowfall area are unaffected.

When the weather in winter is clear and cold, radio reception will be perfect. Local static is then at a minimum. But, occasionally, distant stations may fail to come in. This can be due a blizzard area over the transmitting station, but more often is caused by temperature differences existing between the sending station and the point of reception. Signal intensity seems to be governed to a large extent by the continuity of a cold-air area overlying the two places. This is based upon many hundreds of observations made by the writer over a period of nearly twenty years, as well as data compiled by other investigators.

Cold Wave Is Best

When the country is covered in winter by a great outflow of air from the polar regions, having considerable barometric pressure, a cold wave is said to have the country in its grip. Radio reception now is at its best, for the air is crisp, clear and dry. The cold temperatures are spread widely over the country. Chilling winds may blow, but gales do not interfere with the passage of radio signals. Neither do they produce winter static. Yet many people have the impression that there is a serious wind and air friction all about us. Dry winter air contains little matter, other than its own gases, that can produce frictional static.

(Please turn to Page 30)

DIALING Around The World

• • • With The READERS

ARE shortwaves more interesting than the broadcast band, or do the conventional frequencies offer the greater possibilities for interesting reception? These are questions that radio fans have discussed for years, and it is doubtful that they will ever be positively answered. RADEX is not going to try to solve the problem, but the readers of this magazine will have an opportunity of telling the world what kind of programs they believe are interesting.

We are not going to conduct an open forum so readers can express their opinions of the shortwaves vs. the broadcast band; we want our readers to write and tell us about the most interesting reception they had during the past month. This does not mean the most thrilling pick-up, but the most *interesting* Reception of FZR in Saigon, Indo-China on the shortwaves is an accomplishment to be proud of, but merely listening to the operator calling "allo, allo," is far from interesting. Reception of 2YA in New Zealand on the broadcast band has its thrills, but if the signal is lost in deep fades and the identity of the station practically has to be guessed at, it, too, lacks interest.

If readers will write us letters of about 250-300 words describing the most enjoyable program they have heard during the past month, two of the Associate Editors will chose the two best letters each month. The Broadcast Band Editor will pick the best one on broadcast band reception and the Shortwave Editor will select the best letter from a member of his clan. The two will then be printed side by side and all the readers of this magazine will be invited to select the best of the two. The



Edith Dick, pretty warbler on Harry Salter's new series of "Your Hit Parade and Sweepstakes" programs over the coast-to-coast Columbia Network each Saturday from 10 to 11 pm, EST. Edith is a native of Birmingham, Ala., and made her first radio appearance there. In the last few years she has been featured with several well-known orchestras, including those of Al Goodman and Carl Hoff.

writer of the letter selected by the voters will be given a one year's subscription to RADEX free. And the opinion of the readers will be final.

This competition will continue for one year, and everyone is invited to join in the fun. One does not need to be a good writer to take part as the letters will be considered as judgments of radio programs rather than on writing ability.

Let us hear from everyone. We want to learn if radio programs really are interesting.

Calibrating a Set

"I have a Peak Q5 receiver on which the dial is graduated from 0-100. I would like to know if this dial can be calibrated in kilocycles, and how it should be done." This question occurred to one of our readers and, thinking others may be interested in knowing how to calibrate receivers not already calibrated, we give herewith the complete instruc-

tions. Incidentally, those instructions can also be followed with receivers which are already calibrated in kilocycles, because most of them are not accurate.

A sheet of graph paper and an evening at the dials is all that is required. On the graph paper, the left hand margin will represent "Frequency in Megacycles," and the upper (or lower) margin, "Dial Settings." From left to right across the bottom of the graph, let each line represent one degree or mark on the dial. To spread out the graph, five lines, or ten lines, can be made to represent one degree of dial reading if the maker prefers, but to make this discussion simpler we will use the unit of one line to one degree.

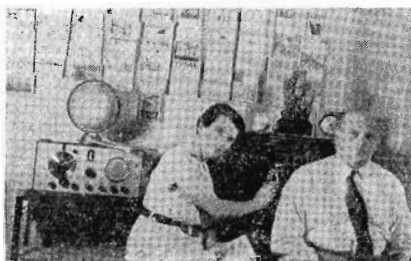
From top to bottom on the left side, let ten lines represent 1000 kilocycles (one megacycle), starting at 6 megs. at the top, and continuing at intervals of one megacycle to each ten lines, as far as the sheet of paper will permit. To completely calibrate a receiver several sheets will be required.

Starting the Work

In the early evening tune in the vicinity of 9 megs. for some reliable

With this issue of RADEX we introduce to our readers a new type face. This is in line with the policy of this magazine to constantly improve the quality of its service to its readers.

The new type, known as Regal, has been adopted by several leading publications and newspapers because of its increased readability. If readers will compare the editorial matter in this edition with former issues, it will be found that the new letters appear to be slightly larger and more clear. Tests have shown that Regal is much easier to read than any other style of type of the same size.



Carl and Anne Eder of Willmar, Minn., send this photo of their radio den and their two receivers. Mrs. Eder is a very active DXer, being a member of the Chicago S. W. Radio Club and the Globe Circlers' DX Club

stations which are known to remain on their assigned frequencies, such as Daventry or Zeesen, W1XK, W2XAF or W3XAU. Suppose the first station heard is W1XK, which works on 9.570 megs., and its dial setting is 31 on the receiver. On the graph we locate the point where the line representing frequency 9570 crosses the line representing dial position 31. A dot is placed there, and we continue to tune. The next station heard is PCJ on 9590 and its dial is about 32½. The axis of the 9590 line and the 32½ line is carefully located and a dot placed there. A shortwhile later station GSC is located at dial reading 32, and the axis of those two lines is located and marked. EAQ on 9862 is found on the number 40, and plotted like the other transmitters. Being impatient to see what we have accomplished so far, we join all the dots we have placed by a continuous line, and note that the line makes a slight curve.

We have already accurately calibrated that part of the receiver, and if the same process is repeated from one end of the dial to the other, the entire receiver will be like an open book to us. We can tune to any desired frequency with the graphs so prepared.

With the fragmentary chart already made, it is very easy to locate

station **TI4NRH**, which is supposed to be on 9670 kcs. To find it, ascertain the point on the curve where the line representing frequency 9670 crosses the curve, which will be very close to the vertical line for dial reading 35, the approximate spot on the dial where **TI4NRH** will come in.

Vancouver Reports

From Vancouver, B. C., J. R. Lan-
yon sends us accurate information
on a number of stations. "Realizing
that **RADEX** strives for accuracy in
its listings above anything else, I
am giving only data which I can ab-
solutely guarantee," states Mr. Lan-
yon, whose address is 614 Standard
Bank Bldg. "The principal stations
of the **NIROM** in Java, are **YDA**,
Tandiong Prick, 3040 kcs., 10 kws;
YDB, Sourabaya, 9610 kcs., 1 kw.;
PMN, Bandoeng, 10260 kcs., 15
k.w.; **PLP**, Bandoeng, 11000 kcs., 1.5
kw. Another one heard here quite
often is **YDE2**, Solo, 4810 kcs. with
only 100 watts. All these stations
have been heard well and are recom-
mended.

"The schedule of **HS8PJ** at Bang-
kok, Siam, is Mondays on either
11950 kcs or 19020 kcs (usually the
latter) between 1300-1500 GMT.
(0800-1000, EST). This station is
heard on 9350 kcs. on Thursdays at
the same hour. On all transmissions
announcements are made in Siam-
ese, English and French, and news
is read in English at 9 a.m.
EST. The Engineer in Chief, Lt.
Col. Phra Aram, advises me the pow-
er is 5 kw and that they will verify
all reports.

"Station **HBO** at Geneva, Switzer-
land, moves to 11410 kcs. every Sun-
day night at 2130 and works with
3LR at Melbourne, Australia. **COCX**
in Havana is heard on approximat-
ely 11460 kcs with tremendous
strength lately, a great deal strong-
er than **COCH/COCD** or **COCQ**.
Some tuners might be interested to
know that I have experienced almost
local reception from **PLP** and **PMN**

DX IS AT ITS BEST WITH TRIMM HEADSETS

Modern DX-ers know that the use of a
Trimm Featherweight headset will
bring in those illusive stations that are
so desirable—and should it be late at
night, the rest of the family can sleep
in peace as well.

*Write for information on methods
of connecting to your set.*

TRIMM RADIO MFG. CO.

1770 W. Berteau Ave., Chicago, Ill.

at Bandoeng ever since early spring,
but they are beginning to wane a
bit now. **YDB** is almost as good
and seems to be holding up better
than either of the others. **ZBW**,
Hong Kong, which was a regular
visitor each morning up until Au-
gust is now hardly audible after sun-
rise. The Australians were very
poor during the summer, especially
VK2ME, but they seem to be pick-
ing up now. I heard a station **9MI**
at Rabaul, New Guinea, testing on
the 25 meter band, but no sign of
it has been heard lately. (**9MI** is
the M/S Kanimbla, which Mr. Lan-
yon no doubt heard while it was
sailing from London to Australia.
Ed.)

A S. W. Special

Leo Hertz of Chicago has been ap-
pointed shortwave Editor of the
Globe Circlers' DX Club. One of
his first official acts was to notify
us of special programs to be dedi-
cated to his club by **TI4NRH** of
Heredia, Costa Rica. The programs
will be transmitted on 9670 kcs.
every second Saturday night be-
tween 11:30 pm and Midnight, EST.

Oliver Amlie, President of Inter-
national 6000 to 12,500 Mile Radio
Club, notifies us that his Club, in co-
operation with many manufacturers,
is sponsoring a radio contest which
will run for two years. The contest

will be open to everyone who tunes, whether they be amateurs, short-wave or broadcast band fans. No details were forwarded us on the manner in which the contest will be conducted nor the nature of the prizes, although Mr. Amle assures us the prizes will be very much worth-while. We understand fuller information will be available soon and urge our readers to watch this magazine for further details.

Typical Venezuelan

"I heard a new station on 6350 kcs with the call letters **YVIRG** and **YVIRH**, Emisora Philco, Maracaibo, Venezuela," submits J. Herbert Hyde, Elmwood, Conn. "This station, according to announcements I heard, operates on 1120 and 6350 kcs. They stated that this special transmission was for American listeners and that they would be glad to receive reports and send out their verification card. I first logged them about 11:36 pm and they left the air at 11:50 pm. At approximately 11:47, chimes were sounded, after which the announcer said it was 12 o'clock sharp in Maracaibo. The program consisted of typical Venezuelan music. The signal was very loud, perfect readability, fair modulation and some rather rapid and shallow fading was noticed."

A confirmation of reception has been received by Fred L. Van Voorhees, Box 125, Miller Place, N. Y., from the Portuguese station **CSW** at Lisbon. The frequency is given as 9.550 megs and the power as 5 kilowatts. Good reception is obtained between 1600 and 1900, EST (4 to 7 pm).

Further information on **CSW** comes from J. L. Steele, Denville, N. J. He writes, "CSW, the new station of the National Broadcasting Co. of Portugal, is transmitting on an announced frequency of 9.960 megs. It is heard in the evenings with an R8, QSA4-5 signal, but it is badly QRM'd by code. English is

spoken frequently by a lady, who gives the call letters as 'C-Canada, S-Spain, W-Washington.'"

According to other reliable sources, the frequency of **CSW** is 9740 kcs, which is just half way between the widely varying frequencies given by our two reporters.

From Sydney, Nova Scotia, comes a third letter about **CSW**, but the writer, who signs "Radio Fan," does not give a frequency. He reports a shortwave station under construction in his city, saying it will be on the air this winter. Program from **CJCB** will be relayed from 7 am to 1 pm and from 3:30 pm to midnight, EST.

Japanese Broadcasts

The Broadcasting Corporation of Japan is now sending out monthly program releases printed in Japanese and English. Programs for their Overseas broadcast are selected with care designed to appeal to the greatest number of listeners. The program material covers their national culture, news of the day, Japanese music and folk-songs, drama, eye-witness accounts of athletic events and other subjects. In short, the broadcasts present a complete picture of Japan of the present and of the past.

This corporation desires to do its best to provide its overseas listeners with program material and reception of the greatest value. They stress the fact that any suggestions the radio audience may make in regard to program material and technical observations will be greatly appreciated. The address of the company is Overseas Section, Broadcasting Corp. of Japan (Nippon Hoso Kyokai), Hibiya Park, Tokyo. At present programs are broadcast on **JVH**, 14600 kcs., from midnight until 1 am daily EST.

Mr. A. I. Breen, Secretary of the New Zealand DX Radio Ass'n., informs us that the call letters **ZMBJ**.

(Please turn to Page 31)

A Christmas Gift that comes ten times a year

Make up your gift list now.

Give RADEX to your friends for a year around reminder of your affectionate thoughtfulness. Remember especially the shut-ins to whom radio is a chief joy.

An attractive Christmas Gift Card will be sent to announce on Christmas Day your name and gift. Or we will mail the cards direct to you to be forwarded with a message in your own writing, if you so request.

Special Christmas Rates

(Good only until Dec. 31, 1936)

The subscription price of RADEX is \$1.75 per year. At this time only, we will accept subscriptions three for \$4.50, two for \$3.25, or one for \$1.75. Each year that you order counts as one subscription. Your own subscription (new or renewal) may be included at these rates.

Christmas Order Form

The Radex Press, Conneaut, Ohio.

Please enter the following subscription to RADEX and send Gift Announcements for Christmas Day.

Name
Please print
Address New ☐
Renewal ☐
City State 1 or 2
Years?
Send Gift Card to recipient ☐ Send Gift Card to me ☐

Name
Please print
Address New ☐
Renewal ☐
City State 1 or 2
Years?
Send Gift Card to recipient ☐ Send Gift Card to me ☐

And enter my own subscription (new ☐ or Renewal ☐) at the special Christmas rate for year(s).

I enclose \$ in payment.

Name of person sending order

Address

In the Wee Hours with the Radexers

• • • By CARLETON LORD

OCCASIONALLY in the course of an evening's DXing, listeners run across a very weak signal which may be difficult, if not impossible, to identify. The station may be so faint that only its carrier and a trace of its program may be audible. The program itself may be recorded, but interference or static may prevent positive identification.

What to do in such a case has long been a mooted point in the DXing fraternity. Some listeners claim that consideration of all of the factors may lead to the logical assumption that only one station within range of the receiver would be broadcasting a given program at a certain time. Others hold to the

view that reception should not be claimed unless a definite identifying announcement has been heard.

As we see it, the matter depends largely upon the action to be taken. There seems to be no particular harm in writing to a broadcaster if the listener definitely states that he *believes* he heard the station and asks confirmation of the fact. Also, we would hardly condemn a DXer who frankly states that he heard a station which *sounded like* XYZ in Timbuctoo but was unable to get a definite announcement.

But, it is quite another thing to come out and claim reception of a station with no more authority than a call book which shows a good catch on a certain frequency.

Last spring we carried a report which listed a number of foreign stations which had been heard during the previous season. Recently we received a letter from a reader in Australia commenting upon this report. One of the stations claimed had started its test programs on June 25th of this year, at least two months after reception had been claimed. Another station, at the date of writing, had not yet come on the air. Our Australian friend would like to know what evidence our correspondent can submit in support of his claim of hearing these two stations. So would we!

We frankly admit that our March, 1936 indices showed these two stations on the reported frequencies. We included them when we were advised that construction permits had been granted and, like the chap who reported them, we had no way of knowing that they would take so long in coming on the air.

However, that cannot excuse a listener who claims credit for hear-



Andy Gump, the favorite of millions, is now "wired for sound." Andy, together with his wife, "Min," and son "Chester," are heard over the CBS Mondays through Fridays from noon to 12:15 pm EST.

ing a station which does not exist. If he had not been sure of his reception, he should have qualified his report.

As a result, American DXers in general and this listener in particular suffer a black eye in the opinion of our friends Down Under.

Picture Pages

"Why not have a special page for the DX fans," queries R. A. Butts, c/o Cabin Creek Lumber Co., Easton, Wash., "and publish the pictures of all the DXers? There must be hundreds of readers who have snapshots of themselves and their radio dens. We all like to know what the other fellow looks like, especially when we've been reading of his DXing. So what do you think?"

We think it's a grand idea and we'll provide the page if the readers will provide the pictures.

"I'm writing in the hope that DXers who read RADEX will have a chance to do something for themselves," greets Morton W. Blender, Senior Announcer, Station WCOP, Boston, Mass. "We are contemplating a DX tip program on this station, but we have a management which is a little skeptical about the popularity of such a presentation. If the DXers in New England would be interested, drop a card or letter to 'QRB' in care of the station. Let's get together and add another station to the growing list of DX tippers."

We believe that there is a need for a regular DX tip period for listeners in New England and we are glad to learn that a station up that way is willing to be shown.

"On Saturday morning, December 19th, KVI will broadcast a program from 3:00 to 4:00 AM, EST, for the Universal DX Club," advises H. J. "Mac" McAllister, announcer. "The latter part of November, we will be testing our new 5-KW transmitter between 3:00 and 9:00 AM.



Ollie Ross, Director of the URDXC, made a trip around the world a few years ago and visited many of the hundreds of radio stations he has heard. A small European country made him a Count so now he is "Count Alexis."

EST. Reception of these tests, which will take place every night over a two-week period, will be verified. Incidentally, will you remind readers that most stations cannot truthfully verify any network program? I get any number of such requests."

G. E. Booster

"I have just bought a new 1937 General Electric 15-tube receiver," supplies Robert D. Haseltine, Box 30, Black Earth, Wis. "For someone who wants tone quality, selectivity, sensitivity and power, I can certainly recommend this receiver. I appreciated your article on aerials. I have done quite a bit of experimenting with sky-wires and find that the V-doublet has given me best



Nelson Eddy, popular baritone of stage, screen and radio, is the host of "Vick's Open House," the new CBS program heard Sundays from 8 to 8:30 pm, EST. Francia White, soprano, and Josef Pasternack's orchestra are featured with Eddy.

results. I would like to hear from other users of G. E. receivers."

"I am now starting my third year of DXing with a 5-tube Atwater Kent Model 145," submits Walter C. Snyder, 1401 Logan St., SE, Grand Rapids, Mich. "During the past spring and summer, I heard and verified TGW, KIEM, CMCQ and KLZ. I agree with DXer Patterson that all reports should include the make and model of the receiver used, as this gives the other listeners a chance to compare results fairly."

"DX has finally opened up here on the broadcast band," writes Roy Myers, 4506 St. Elmo Dr., Los Angeles, Calif., "for the first time in about six months. Several Japs are being heard testing on their new frequencies, while some other Orientals are beginning to push through. It is too early for the

South Americans, although lots of whistles in back of American stations show that they are there. I have hopes of hearing at least a dozen this year."

"CMQ does verify," states Billy Snow, 302 Harrington St., St. Joseph, Mo. "They replied promptly to a report which I sent and put out a very fine card. WBNX was heard testing on September 20th with one kilowatt power. Our local KFEQ is expecting to spend several thousand dollars for erection of a vertical radiator antenna and for improvements on the transmitter, but no increase in power is expected."

"So far my log stands at 426 stations heard," indicates R. S. Phair, 754 Franklin Turnpike, Allendale, N. J., "and 198 of these are verified. Among the verifications are W1XBS, W2XR, WPRP, WBNY, KLUF, WCML, KROC, WMFG and WJIM, which only rate a 'z' in the second column."

Likes Mystery Contest

"I am sure that the coming contest will be welcomed by all DXers," asserts E. L. Peters, Box, 65, Westport, N. S. "The previous contest admittedly favored the mid-Western DXers. The power and mileage basis seems the only logical way in which to conduct future contests of this type, although this will undoubtedly require more work on the part of the judges. Your idea about standard report cards is a fine one, while the place prizes will give even beginners a chance to win an award."

"One of the things that puzzled me last year," admits Bill Cunningham, 528 N. Marengo Ave., Pasadena, Calif., "was what to do about KFAC when the contest was on. For me, they block everything from 1280 to 1310 keys. Do you think it could be arranged for KFAC to go off at midnight for the duration of the contest?"

We wish it could be arranged to have some of the all-nighters stand by occasionally, Bill, but we're afraid that it will never be accomplished. However, when we line up the stations for the Mystery DX Contest this year, we'll do our best to choose only the stations which can be received by a majority of the contestants.

A great deal has been written about the possible repetition of the contest. Criticisms and suggestions have been received and given in these columns.

As this issue goes to press, we are going ahead with our plans for the staging of another contest. If we receive the necessary co-operation and support, the repetition will be assured.

In the September and October issues, we presented the proposed

changes in the contest rules. Most important of these was the scheme whereby mileage becomes an important factor in the scoring, with the awarding of bonus points for stations more than 2000 miles distant from the listeners. We believe that this, together with an attempt to line up a more representative group of stations, will eliminate any advantages in location.

Unless further suggestions are received, we may consider the question of rules and regulations settled for this year.

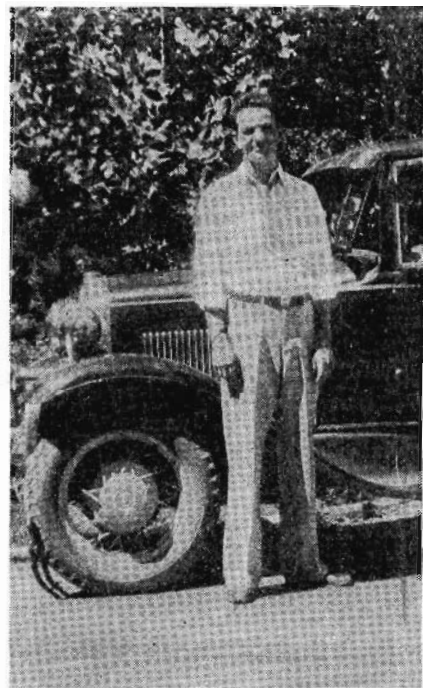
Among the Stations

"KGDY comes on the air at 6:15 AM, CST," notes Mrs. A. C. Johnson, Box 230, Henry, S. D., "and goes off at 5:45PM. They have a frequency check from 3:00 to 3:30 AM, CST, the first Sunday of every month. Station KABR has asked for an increase in power from 100 to 1000 watts. If the request is granted, they will be the second largest full-time station in the state."

"Our local station WMFG," notes Francis de Champeau, 2830 Fifth Ave., Hibbing, Minn., "has increased its power from 100 to 250 watts. They promise to verify all correct reports for return postage."

"We would like to present four DX programs during the fall and winter season," states J. G. Andrews, Program Manager of Station CFLC, Prescott, Ont. "Our last DX was not the success it might have been for the reason that Station CKPR was on the same channel all night. Some of our friends advised us that they could not get either station satisfactorily. We should like to reserve the hours of 2:00 to 5:00 AM, EST, on December 27th, January 30th, February 27th and March 27th.

Carrying on with the policy established last season, RADEX is pleased to dedicate this issue to the Universal Radio DX Club, Charles C.



Warren E. Winkley, Director and CPC Chairman of the Universal Radio DX Club.

Norton, president. The URDXC is this month celebrating its third anniversary. Articles by President Norton and his associates appear elsewhere in this issue.

A reader in Sydney, N. S., recently sent us a sum of money.



The Log Cabin Dude Range program on the NBC Blue at 8 pm Tuesdays stars Louise Massey and her Westerners. Louise takes the part of a ranch owner in the script and, having been raised on the K-Bar Ranch in New Mexico, she has no trouble entering into the spirit of her radio program.

Perhaps this was intended as a contribution to our Good and Welfare Fund. If so, we hasten to extend thanks to our friend. However, we suspect that he wished to purchase something, although he neglected to state just what he wanted. We'd ask him this little point, only he forgot to give his name and address. It's all very complicated and we wish he'd write us again, identifying himself with mention of the exact amount of money which he sent.

"Using a 7-tube Brunswick Model 15, I started DXing in October of 1934," admits Tom Black, 143 Car-

roll St., Pittston, Pa. "At present my log shows 608 stations. Among the best verified catches are Radio Normandie, LR1, LR4, LS2, 4YA, TGW, HIX, VAS, CMBC, CMHJ, KIEM, KGU, KNET, KOL, WPRP, WJAG and CJCB. Although I haven't heard any Japs so far, I hope to verify at least one of them during the current season. About two weeks after my TGW veri arrived, I received a sample of Guatemalan coffee from the Minister of Agriculture. I prize this sample very highly."

They were nice souvenirs, Tom, but did you ever try to drink some of that coffee?

More on Aerials

"I have been using 200 feet of aerial wire arranged like three spokes of a wheel," informs Lloyd Harrison, 130 S. Hague Ave., Columbus, Ohio. "The lead-in is taken from the center where the three spokes join. This gives me an antenna which receive equally well from any direction. I get a good ground with a 9-foot iron stake connected with a 2-foot piece of heating pipe. Both are driven in the ground and kept moist.

"Last April I bought an 8-tube Silvertone Model 1965. This has four times the punch that my old McMillan had. The set certainly has power. Last spring I logged such stations as KFXD, KOOS, KXRO—it was daylight here before KXRO faded away—and other 100-watters on the Pacific Coast with only one-quarter volume. Under good conditions, what will it do with full volume?"

In connection with the article on aerials published in the September issue, we have received a great many queries on individual antenna and ground problems. These have been answered as rapidly as possible, although the number of letters has prevented the service for which we ordinarily strive. The few

remaining letters are now in the hands of Mr. Dashiell and we are sure that they will be answered long before this issue appears.

We might mention that Mr. Dashiell is more than glad to receive questions on problems which may be troubling readers. So far, he has managed to give a personal reply to every inquiry and will continue to do so as long as possible. Some readers may have been under the impression that questions were only answered through his regular columns, although he has been choosing only those which may be of general interest to Radexers. All questions should be addressed to him in care of the magazine and we only ask that return postage be enclosed.

The I.C.C.P. Continues

In the October issue, we reported that the future of the Inter-Club Cooperation Plan was in some doubt. At the time we went to press, Miss Emily Griswold, operator of the Clearing House, had received acceptances of the Plan from but one club, the GCDXC. The IDA had not then decided upon its plans for the season, while the NNRC, CDXR, NRC and URDXC had not replied to a questionnaire sent out over two weeks before.

We are indeed glad to report, therefore, that the Plan is going ahead for another year. Clearing House bulletins commenced on September 24th and already a string of specials are lined up for the winter months.

A study of dedicatory programs listed in the first four reports shows a decrease in series of broadcasts from any one station. We have mentioned many times in the past that weekly and semi-monthly schedules are unfair to stations and listeners alike. Members of clubs to whom the programs are dedicated are obligated to report to the stations, and yet they cannot be ex-

pected to spend all of their time writing to a selected group of broadcasters.

The nearest thing so far to such a series is the monthly schedule of programs lined up by the NNRC for KFRO, Longview, Texas. Oddly enough, it was only last month that the KFRO president, James R. Curtis, remarked that reports had fallen off during their second winter series and that, unless the mail response was better on their first program this year, they would plan no more special broadcasts.

It seems to us that there are but two primary purposes for DX programs. The first and, from a DXer's standpoint, the most important is to give listeners an opportunity to

(Please turn to Page 33)



Shokichi Yoshimura of Moji, Japan, is the Asiatic Representative of the URDXC, and sells automobiles when he isn't busy tuning in stations in every part of the world.

PROBLEMS of INTEREST

To Our Readers

• • • By the TECHNICAL EDITOR

I have put new tubes in my Philco model 90 and balanced the tuning condensers. However, I find that the higher frequencies gradually decrease on the dial from 1040 to 1490, which now comes in on 1410. I would appreciate a little more information on tracking this set. Does adjusting the oscillator trimmer shift the stations to the proper readings on the dial, without disturbing the balance of the trimmers? There are three condensers adjustable through holes in the top of the chassis, also one at the right-back of the chassis. Please give me their positions and functions. Is one of these condensers the trimmer for oscillator?

(Answer) Shifting of the frequencies of the high end of the dial often is due to creeping of the oscillator frequency. A new tube may remedy this trouble. Otherwise an examination of the oscillator coil and condensers, with a cleaning and careful drying, is in order.

However, it is obvious that this set is out of adjustment and needs re-tracking. Of course, your serviceman is better fitted to do the work, and his services are recommended. It is best to use an oscillator to do the work, as this is the only practical method. You can do the work yourself with the proper unit. Set the receiver up for normal operation. Remove the shield from the I-F type 24 tube. Remove grid contact from 1st detector tube. Attach "A" terminal of the oscillator to the grid top of tube. Connect "G" terminal to the chassis. Set the tuning of the oscillator to exactly 175 kilocycles. Turn on receiver volume control to full strength. Connect the

output meter to the voice coil terminals of the set.

With a fiber wrench adjust the second I-F secondary condenser (rear of chassis close to right-rear of tuning condenser gang) for maximum intensity in output meter. Adjust first I-F secondary trimmer (in rear of chassis-side under type 24 tube) and the first I-F primary condenser (through top of chassis to right of rear of tuning gang and between rear 24 tube and shield-can) for maximum reading in meter. Replace the grid clip on the first detector tube and replace the shield.

Connect "A" and "G" terminals of the oscillator to antenna and ground posts of the receiver. Tune the receiver to 140 on the dial and adjust the high frequency compensator (trimmer on left-top of third tuning condenser of the gang, reading from the front) for maximum reading in output meter.

Without change, set the detector and antenna condensers (trimmers on last unit of gang, and on first two units, respectively) for maximum reading on meter. Now set the dial to 60 for the low scale of the broadcast band and adjust the low frequency trimmer (through hole in chassis at right of third-from-front tuning condenser in gang unit) for maximum output in meter. Repeat this adjustment until the station being tuned in on 60 or nearby comes in exactly on its proper frequency.

We believe that these instructions will enable you to readjust this Philco 90 so that all stations come in on their proper frequencies. The instructions also answer your quer-



Charles C. Norton, President of the Universal Radio DX Club.

ies as to the location and name of the various trimming condensers. Adjust on the 140 figure of the dial, to an actual station in that vicinity, and you should correct the off-dial readings now being experienced on the high-frequency end of the dial. It may be that at the time this adjustment is made, you will find it necessary also to readjust the detector and antenna condensers (3 in all) as described in the second paragraph immediately above this.

There are different models of Philco 90, but the chassis adjustments are essentially the same regardless of the type and number of tubes used in the power output. The foregoing instructions may apply to both model 90 and 90A.

Recurring Hum

I have a 1936 18-tube Midwest radio which has given me some

tube trouble. Since I purchased the set I have replaced a number of the tubes, but the trouble still persists. Is this due, do you think, to the use of metal tubes? If I use the similar glass tubes would the trouble be eliminated? The trouble is that a very loud hum comes, and it builds up louder and louder for about five minutes and then suddenly disappears. Then it repeats immediately, over and over again, without end. How can I remedy this trouble?

(Answer) Have you taken this matter up with the Midwest Service Department of the factory? A new and modern set of this style should not develop such annoyances because of some fault in its design. We feel certain that the manufacturers can advise you. However, you state that you are using metal tubes. These tubes are being more widely used every day, but there is still some difficulty being experienced in certain quarters. If we understand correctly, the Midwest people do not arbitrarily provide their sets with metal tubes, but instead recommend the Octal glass tubes. They will, however, insert the metal tubes, if ordered. It is likely that a microphonic metal tube is causing this trouble, but it should be easily located and replaced. We cannot understand why you have replaced so many tubes, but this is hardly the fault of the set. Metal tubes, as we have said, still are not accepted by all radio experts, except in certain receivers.

Hum that builds up, such as you are experiencing, most always is due to vibration or microphonics. Perhaps some fault in the cabinet or speaker mounting causes vibration that sets one or more tubes to vibrate internally. Check over these parts; set the chassis on rubber; slightly loosen the speaker bolts; move the set away from the wall so as to provide more air space in the rear; and examine generally for the cause of this resonance.

Of course, there are many other causes. A defective filter condenser or a poor contact or connection that varies with temperature or vibration. Poor contacts may be within a condenser, for they are not limited to external, soldered joints. Induction between certain wires and adjacent choke coils or audio transformers, cause hum, but usually it is of a steady nature. Recurring hum seldom appears because of this defect.

Tone Control

I have a 1935 Silvertone 5-tube A.C.-D.C. compact set that uses types 75, 6A7, 6D6, 43 and 25Z5 tubes. However, I should like to install a tone control of the grid circuit type or the octave tone control condenser type. Which would be the best to use and how is it connected? If a more effective method is available for this receiver, please tell me about it. L

(Answer) There are many types of tone controls that can be used with a radio receiver. The types you mention can be procured from any radio supply house and operate in certain grid circuits. Frequently instructions accompany the unit, and connection is a simple matter for an experienced serviceman.

We should like to call attention, however, to the power tube used in this set. It is a type 43. We think it may be best to control the tone at this tube, and in its plate circuit. In this way the connections can be made by yourself if you take care to locate the proper contacts on the 43 power-tube socket. Connect to the plate contact of the tube a 0.1 mfd., 400 volt, bypass condenser. To the free end of the condenser attach one terminal of a 50,000 ohm variable resistance volume or tone control unit. The end of the control, that which attaches to the knob, should be connected to the screen-grid terminal of the 43 tube socket. Also, between the screen grid con-

tact and the plate contact, shunting the tone unit just described, you might place a .0005 mfd., 600 volt, condenser. This might not be necessary. Remember that both the screen and plate terminals at the socket carry high voltages, and the wiring and knob should be carefully insulated and placed.

On One Aerial

I have a 7-tube DeForest all-wave battery set and also a small 11-year-old regenerative set connected to the same aerial and ground. This latter set is upstairs while my new set is on the first floor. When a signal in daylight is practically inaudible on the new loud speaker I can bring it to fair volume by tuning my old regenerative set to the same station. Can you explain what causes this, for the little regenerative set has only two tubes while the large one has seven tubes? Also, when my all-wave set is switched on the short-wave band, it reduces the volume of the little regenerative set upstairs to almost nothing, but this effect is hardly noticeable when the broadcast band is being used.

(Answer) This is an interesting case, and illustrates full well why it is not good practice to use two sets on one antenna, unless the latter is of the doublet type with individual transformers at each of the sets. You should use two separate antennas, and the one attached to the regenerative set should be short and as far away from the 7-tube set antenna as practical. It also should be at right angles to the second antenna.

When you tune the two-tube regenerative set, which has no pre-selector stage, it also acts somewhat as a transmitter and re-radiates the signal that is being received. This reradiated wave passes by way of the antenna into the 7-tube set when the latter is tuned to the same frequency, and tends to boost up the same signal that is

being received by the larger set. Regenerative sets are extremely sensitive, and if it were possible to operate them easily and without the usual squeals and oscillations they still would be in high favor.

When the all-wave set is tuned to the short-waves, there is a very low impedance circuit between the antenna and the ground. It is almost a short circuit for the longer waves, such as those on the broadcast band. Therefore, the broadcast waves, to which the regenerative receiver upstairs, but on the same antenna, is tuned, have already leaked through the all-wave receiver circuits to the ground, and therefore seem very weak on the longer wave set. When both sets are tuned to the same frequency on similar bands, both have about the same A.C. resistance to the passage of that wave, and neither suffers at the expense of the other. Both sets get their proper share of the signal being induced in the antenna.

Background Stations

I have a Stromberg-Carlson No. 19 receiver. It has a bad annoyance that no one has been able to remedy. In the background of a station that is being received I will hear a second station very faintly. When there is a pause in the program I always hear another program. Can you give me a reason for this performance, and a way to correct same? Otherwise the set is very good, it has sharp tuning, and all stations seem to come in at exact marking with exception of a few which are just a bit off. It also seems that a change of atmosphere affects the tuning.

(Answer) This trouble is frequently met with in superheterodyne receivers. Mostly it is caused by some maladjustment in the oscillator circuit, whereby a second station, which has a frequency in mathematical proportion, can be heard in the background of the

station to which the set is tuned. Sometimes these things simply cannot be remedied, for the intermediate frequency of the set is such that certain combinations most always exist. Your set has an I-F of 175 kilocycles. If a serviceman could readjust the set to change this peak frequency a few kilocycles off to either side, it might help. However, such changes also alter the tuning and a general realignment would be necessary to get the stations back on their proper dial numbers. This change is recommended only as a last resort.

Often this is case of heterodyning between the two stations, for both enter the first-detector and oscillator stages. It also often occurs when the intermediate frequency of the set is some multiple of ten or



James B. Wooten, one of the Directors of the URDXC.

five. For instance, the received station might operate on 700 kcys. The set is peaked at 175, so the oscillator is automatically set on 875 kcys. The difference between 875 and 700 being 175—the I-F of the set. Now, if some other outside signal of, say 870 or 880 kcys., enters the mixing circuit, through harmonics or defects, it will also beat against the received 700 kcys. signal, and mix with the 175 I-F of the set. This heterodyning may appear as a whistle or as the undesired signals in the background, between station announcements.

All this may be due to incorrect location if the antenna lead is too close to the mixer system. An excessive strength of the interfering station may force its signals into the set by impact excitation. If there is an incorrect trimmer adjustment in the radio-frequency and mixer stages the trouble also may occur. Any undesired coupling between the R-F and mixer circuits, or pickup by the mixer tube circuit from strong signals because of poor shielding, often causes this effect.

Your set uses a type -35 R-F tube, a -35 first-detector or radio-mixer tube, and a type -27 oscillator tube. All three are within a single shielded box. Check this shielding carefully and make sure it is perfect. The shielding of the I-F parts and circuits, particularly coils, must be perfect or otherwise pickup may occur. Unfortunately, there is no shielding over the type -35 intermediate-frequency tubes in this receiver.

We are going to suggest a careful check of the oscillator circuit and parts. You mention that weather, especially dampness, seems to have some effect. This often is quite true. Remove the oscillator coil assembly. Turn the chassis over, with the tuning controls away from you, when you look down upon the bottom. At your lower right is the bottom of

the -80 rectifier tube socket. You will see the tops of four copper shield cans in the center of the chassis. The lower-right can covers the oscillator coil unit. The oscillator and mixer tube sockets are just to the right of this shield. Unsolder all contacts to this coil, after the can is removed, being careful first to make a sketch so there will be no mistake in replacing the unit and terminals. Place the coil in a warm oven (not hot) for several hours. Turn off the heat and allow the oven to cool overnight with the coil in it. Paint the coil with a thin coating of insulating shellac or wax preparation, and allow to dry again in slight, dry heat. Replace and cover with the shield.

You also might try drying all the remaining three coils in the same manner, but without painting. The upper right coil is the R-F unit between the R-F tube and the mixer tube. The two left-hand cans contain the two antenna coupling coils and are not so important in this case. It is likely now that the set will need a complete realignment, best done by a serviceman and oscillator equipment. New tubes, of course, in the radio, mixer and oscillator sockets, are always to be considered.

Pre-selector From Victor

As I have an R.C.A. Victor 8-tube superheterodyne and a Midwest 18-tube set, I am wondering if I could make a pre-selector of the old Victor to work with the Midwest receiver.

It is next to impossible to build a pre-selector from the parts in the old Victor. The values of the parts in the set would not be correct for a modern pre-selector to be used with an all-wave set of the power and sensitivity of the 18-tube Midwest receiver. We suggest, instead, if you are anxious to build your own unit, that you consult the June issue of RADEX, page 31, for details of

(Please turn to Page 30)

Where to Get the DAY'S NEWS

The time given in these news flash schedules is daily except Sunday unless otherwise noted.

- 1 Thursday only
- 2 Sunday only
- 3 Monday only
- 4 Except Monday
- 5 Except Saturday
- 6 Tuesday and Friday
- 7 Tues., Thurs. and Sat.
- 8 Mon., Wed., and Fri.
- 9 Saturday only
- a Including Sunday
- b Tuesday and Wednesday
- c Tues., Thurs. and Fri.
- d Thurs., Fri. and Sat.

ATLANTIC TIME

8:00 a.m.	Neon	CHNC 1010
CFNB 550	CJCB 1240	5:30 p.m.
8:15 a.m.	12:30 p.m.	CKCW 1370
CJCB 1240	CHNC 1010	6:00 p.m.
CKCW 1370	12:45 p.m.	CJCB 1240
8:30 a.m.	CFNB 550	7:00 p.m.
CHNC 960	CHNS 930	CFNB 550
10:30 a.m.	1:15 p.m.	7:15 p.m.
CHNS 930	CKCW 1370	CJCB 1240
11:00 a.m.	5:00 p.m.	7:30 p.m.
CJCB 1240	CFNB 550	CHNS 930

EASTERN STANDARD TIME

6:30 a.m.	WORC 1280	WGR 550 ²	WALR 1210	WGBI 880 ²	1:55 p.m.	5:00 p.m.	6:10 p.m.
WWJ 920	WOLR 920	WBAL 1060	WBAL 1060	WGH 1310	WRUF 830	CFCF 600	WSPD 1340a
7:00 a.m.	WPRO 630	WJAY 600	WBZ 990	WHKC 640	2:00 p.m.	WDEV 550	6:15 p.m.
WBZ 990	WSOC 1210	WPG 1100	WDBO 580	WJAS 1290	WDEV 550	WGR 550	CJCS 1210
WCOP 1120	WSPA 920a	WQAM 560	WDEV 550	WNBX 1260	WFDF 1310	WMAL 630	WBT 1080
WDEW 550	WSPD 1340	WSPR 1140	WELL 1420	WOR 710	WICC 600	WNBC 1380	WCBW 1440
WJR 750	WTAG 580	9:55 a.m.	WESG 850	WORK 1320	WKBW 1480	WORL 920	WDEL 1120
WLS 870	WTIC 1040	WDEL 1120	WFDF 1310	WQAN 880	WORLD 920	WOV 1130	WEAF 660
WOLR 920	WTNJ 1280	10:00 a.m.	WFIL 560	WRVA 1110	2:30 p.m.	WQAM 560	WEER 1310
7:15 a.m.	8:15 a.m.	WBAL 1060	WHDH 830a	WWJ 920	WORC 1280 ²	WSAZ 1190	WJAS 1290
WHDH 830	KDKA 980	WCOP 1120	WHIO 1260a	12:35 p.m.	WSPA 920	WSPR 1140a	WORK 1320
WNBX 1260	WCSC 1360	WDEV 550	WIP 610	CJCL 1310	2:45 p.m.	5:15 p.m.	6:20 p.m.
WSAZ 1190	WDBJ 930	WFDF 1310	WTS 560	12:40 p.m.	WNBC 1380	WBAL 1060	WMCA 570
WSPR 1140	WDBO 580	WFIL 560	WKBW 1480	WLS 870	WSPR 1140	WGR 550 ²	6:25 p.m.
7:25 a.m.	WEAF 660	WKBW 1480	WMMN 890	12:45 p.m.	2:55 p.m.	WMFF 1310	WRVA 1110
WBAL 1060	WIP 610	WMAZ 1180 ²	WOKO 1430	WMCA 570 ²	WJAY 600	5:25 p.m.	6:30 p.m.
WGY 790	WIS 560	WMCA 570 ²	WORC 1280	WNAC 1230 ²	3:00 p.m.	WJAY 610	CFRB 690
WKRC 550	WMMN 890	WNBH 1310	WORL 920	WSAR 1350	WDBR 1310	WNYC 810	CHML 1010
7:30 a.m.	WORK 1320	WNYC 810	WQAM 560	WTIC 1040 ²	WDEV 550	5:30 p.m.	CKSO 780
WCMI 1310	8:30 a.m.	WOR 710	WSOC 1210	12:55 p.m.	WDBR 1310	WNBH 1310	WDRB 1330a
WHKC 640	WGH 1310	WOLR 920	WSPA 920 ²	WBRE 1310	WELL 1420	5:35 p.m.	WFDF 1310
WMBC 1420	WJR 750	WSOC 1210	WSPD 1340	1:00 p.m.	WGBI 880	WPTF 680	WFIL 560
7:35 a.m.	WLS 870	10:15 a.m.	WXYZ 1240	CKCV 1310	WGR 550	5:40 p.m.	WGH 1310
WICC 600	WMCA 570	12:10 p.m.	12:10 p.m.	CKPR 730	WHDI 830	WKRC 550	WIS 560
WXYZ 1240	WTPI 1450	WSAR 1350	WGY 790	CMHJ 1160	WHIO 1260a	5:45 p.m.	WLLH 1370
7:40 a.m.	8:45 a.m.	WSPD 1340	12:15 p.m.	WBT 1080	WKBW 1480	5:55 p.m.	WNAC 1230 ²
WPTF 680	WEAN 780 ²	10:30 a.m.	WCAP 1280	WCOP 1120	WMMN 890	CMHJ 1160	WPRO 630
WWNC 570	WNAC 1230 ²	WOV 1130	WCLS 1310	WDEV 550	WORLD 920	WDRB 1330 ²	WTAG 580
7:45 a.m.	WORC 1280 ²	WRUF 830 ²	WCSC 1360	WEAF 660	WQAM 560	WICC 600	WTIC 1040
CFCF 600	WRUF 830	WSPA 920	WCSH 940	WEAN 780	3:15 p.m.	WPG 1100	WTNJ 1280
WBEN 900	WSPR 1140 ²	WSPR 1140 ²	WDRB 1330	WEEI 590	WPTF 680	WSAR 1350	WWJ 920
WDRB 1330	WTIC 1040 ²	10:45 a.m.	WEAN 780	WGR 550	3:45 p.m.	WBAL 1060	WWNC 570
WEI 590	8:55 a.m.	W2XR 1550	WEER 1310	WJR 750	WBAL 1060	6:00 p.m.	WXYZ 1240
WJAY 610	WEAN 780	11:00 a.m.	WHAM 1150	WKRC 550	3:55 p.m.	CKCL 580	6:35 p.m.
WNBC 1380	WSPD 1340	WBAL 1060	WKBW 570	WLLH 1370	4:00 p.m.	CKCV 1310	WDBJ 930a
7:50 a.m.	9:00 a.m.	WDEV 550	WLBZ 620	WNAC 1230	4:00 p.m.	KDKA 980	WHAM 1150
WMAZ 1180	WABY 1370	WGBI 880	WNCA 570	WNBH 1310	WCOP 1120	WALR 1210	6:40 p.m.
WQAM 560	WAZL 1420	WGR 550	WNBC 1380	WORLD 920	WDAE 1220	WBEN 900	WHK 1390
7:55 a.m.	WBEN 900	WLS 870	WSPR 1140	WPRO 630	WDEV 550	WBZ 990	6:45 p.m.
WFIL 560	WDEV 550	WMBW 1420	WVNC 570	WTAG 580	WKBW 1480	WDAE 1220	WDBO 580
WJZ 760	WGR 550	WORLD 920	12:20 p.m.	WTIC 1040	WOR 710	WEAN 780a	WEAN 780
WRVA 1110	WMAL 630	WPTF 680	WPTF 680	1:10 p.m.	WORLD 920	WEEI 590	WGBI 880a
8:00 a.m.	WMFF 1310	WTPI 1450 ²	12:25 p.m.	CFRB 690	WOV 1130	WGR 550	WLWL 1100
CFRB 690	WORLD 920	11:30 a.m.	CKNX 1200	WCAD 1220	4:15 p.m.	WGY 790	WMWZ 1180
CJCS 1210	9:15 a.m.	CMJA 1010	WFBC 1300	1:15 p.m.	WRVA 1110	WHDH 830	WOR 710a
WBT 1080	WBRE 1310	WCOP 1120	WJZ 760	WDBJ 930	4:30 p.m.	WHK 640	WRVA 1110
WDAE 1220	WNBC 1380	11:45 a.m.	12:30 p.m.	WFBC 1300 ²	WCMJ 1310	WJZ 760	W2XR 1550
WEAN 780	9:30 a.m.	WKAR 850	CJCS 1210	WNBC 1380 ²	WQAN 560	WLBZ 620	7:00 p.m.
WEER 1310	WDRB 1330	WMAZ 1180	CKCL 580	1:30 p.m.	WMMN 890	WMMN 890	CMJA 1010
WFDF 1310	WMCA 570	WMAZ 560	CKSO 780	WEAN 780 ²	WNAC 1230	WAZL 1420	WAZL 1420
WGBI 880	9:35 a.m.	11:55 a.m.	WAZL 1420	WGR 550 ²	WORC 1280a	WCLS 1440	WCLS 1440
WHK 1390a	WMAZ 1180	WJAY 610	WBEN 900	WSPR 1140	WPTF 680	WHAM 150 ²	WHAM 150 ²
WJAS 1290	9:40 a.m.	WRUF 830	WCAE 1220	WTPI 1450	WCSH 940	WQAM 560	WKBW 570a
WNAC 1230	9:45 a.m.	CHML 1010	WDAE 1220	1:50 p.m.	WNBC 1380 ²	WSOC 1210	WKBW 1480
WOR 710	WCOP 1120 ²	KDKA 980	WDEL 1120	WMAZ 1180	4:50 p.m.	WSPA 920	WLBZ 620 ²
			WDRB 1330 ²		WTIC 1040	WQAM 560 ²	

7:05 p.m.	WTFI 1450	WGBI 1310	WGBI 880	10:45 p.m.	WCSC 1360	WJR 750	WTAG 580
WCSC 1360a	8:00 p.m.	WGR 550	WGR 550	KCLL 580	WDAE 1220	WKBB 1430	WTIC 1040a
WMAZ1180 ²	WELL 1420	9:15 p.m.	WMAZ 630	CRCM 910	WDBO 550	WKRC 550a	WWNC 570
7:15 p.m.	WDFD 1310	WMCA 570	WNBB 1310	WCBA 1440	WDRS 1330	WMCA 570 ²	11:10 p.m.
CKNX 1200	WKBB 1480	9:30 p.m.	10:30 p.m.	WMCA 570	WEAF 660	WNAC1230a	WOKO 1430
WBRE 1310	8:15 p.m.	CMJK 780	CKCK 1010	11:00 p.m.	WEAN 780a	WOR 710a	11:15 p.m.
WTFI-1450	WCAP 1280	9:45 p.m.	CMCD 950	CFBR 690	WEEI 500a	WORC1280a	WHK 1390
7:30 p.m.	9:00 p.m.	WARK 1320	WDBJ 930	KDKA 980	WFIL 560	WPG 1100a	WICC 600a
CRCM 910	CMCD 950	10:00 p.m.	WBE3 1310	WBEN 900	WGY 790	WPRO 630	11:30 p.m.
WNBX 1260	WAZL 1420	WBRE 1310	WGR 550 ²	WBT 1080	WHIO 1260a	WQAM 560a	WJZ 760
7:45 p.m.	WFBC 1300	WDEL 1120	WMNN 890	WBZ 990	WIS 560	WRVA 1110	11:45 p.m.
WMCA 570 ²	WGBI 880 ²	WDFD 1310	WSPD 1340	WCAE 1220	WJAS 1290	WSOC 1210	WIP 610

CENTRAL STANDARD TIME

5:45 a.m.	KSOO 1110	WHBF 1210	KMBC 950	1:30 p.m.	WDAF 610	6:30 p.m.	9:45 p.m.
KFNF 890	KVOO 1140	WTRC 1310	KRGV 1260a	KFAB 770	WDGY 1180	KSO 1430	KMBC 950
6:00 a.m.	WGST 890 ²	9:45 a.m.	WIBW 580	WFBM 1230	WOI 640	WHO 1000	WDOD 1280
KARK 890	WNBR 1430	WDGY 1180	WJJD 1130	1:50 p.m.	4:45 p.m.	WIBZ 1280	WDSO 1260a
WIBW 580	WOAI 1190	9:50 a.m.	WMIN1370a	WMFO 1370	WTMJ 620	WMT 600	WFBM1230 ²
WMIN1370a	WOW 590	12:15 p.m.	WMIN1370a	1:15 p.m.	4:50 p.m.	WNAX 570	WIBW 580a
6:05 a.m.	7:50 a.m.	10:00 a.m.	KGGF 1010	WGST 890	WMFO 1370	WNBR1430a	WROK 1410
WAAW 660	KFNF 890	10:00 a.m.	KRLD 1040	2:00 p.m.	5:00 p.m.	WSFA 1410	10:00 p.m.
5:15 a.m.	7:55 a.m.	KFRU 630	KSO 1430	KARK 890	KARK 890	WTAQ1330a	KARK 890
WBAP 800	WDAY 940	KLFM 1240	KVOL 1310	KFAB 770	6:35 p.m.	KPRC 920	KRGV 1260a
6:25 a.m.	WJJD 1130	KRGV 1260a	WJAG 1060	KDFM 560	XEB 1030	KRLD 1040	KUSD 890 ⁵
WJJD 1130	8:00 a.m.	KSOO 1110	WKBH1380 ²	WMIN1370a	KOMA 1480	WFBM 1230	WDAY 940a
6:30 a.m.	KARK 890	WMIN1370a	WNAX 570	2:15 p.m.	KRGV 1260a	WKBH 1380	WHBF 1210
WOW 590	KDFM 560	WSMB 1320	WROK 1410	WDGY 1180	KSOO 1110a	WSMB 1320	WJDX 1270a
6:35 a.m.	KLFM 1240	10:05 a.m.	12:30 p.m.	2:30 p.m.	KUSD 890 ⁵	7:00 p.m.	WJDX 1270a
KMOX 1090	KMOX 1090	WDGY 1180	KFJM 1370	WDSU 1260a	WDAF 610 ⁵	KARK 890	WMIN1370a
KGGF 1010	KRGV1260a	10:15 a.m.	KUOA 1260	WNBR 1430	WBFB 1210	KFRU 630	WMT 600
WDGY 1180	WFBM 1230	KGFF 1010	KWTO 560	WSFA 1410	WMIN1370a	KRGV 1260a	WNBR 1430
6:45 a.m.	WKBH 1380	10:30 a.m.	KGBX 1230	WTAQ 1330	5:15 p.m.	KVOL 1310	WOAI 1190
KFAB 770	WSMB 1320	KTAT 1240 ⁵	WDSU 1250	2:45 p.m.	WAAW 660	WHBF 1210	WTMJ 620a
KRLD 1040	XET 690	KUOA 1260	WHBF 1210	WBAP 800	5:30 p.m.	WMIN1370a	10:05 p.m.
KVOO 1140	8:05 a.m.	WDSU 1250	WIBA 1280	WIBW 580	KFEK 680	7:15 p.m.	WGST 890
WNAX 570	WILL 580	WNBR 1430	WJBY 1210	2:55 p.m.	KUOA 1260	KFNF 890	10:15 p.m.
6:55 a.m.	WSM 650	10:50 a.m.	WNBR 1430	KFNF 890	KVOO 1140	7:45 p.m.	KLPM 1240
WJJD 1130	8:10 a.m.	KFH 1300	WOW 590	3:00 p.m.	WBBZ 1200	KUSD 890 ²	KRNT 1320a
7:00 a.m.	WGST 890	WAVE 940	WSM 650	KARK 890	WDGY 1180	8:00 p.m.	KSO 1430a
KARK 890	8:15 a.m.	KKFN 890	WSMB 1320	KFRU 630	WJDX 1270	KARK 890	WFBM 1230
KFRU 630	KFJM 1370	KFNF 890	12:35 p.m.	KCNF 1430	5:45 p.m.	KRGV 1260a	WMC 780
KLPM 1240	WDOD 1280	KLPM 1240	KFEK 680	KSOO 1110	KLPM1240 ²	KGBX 1230	WOAI 1190
KRGV1260a	WJBY 1210	KRGV 1260a	KLPM 1240	KWTO 560	WDGY 1180	WHBF 1210	WTAQ1330a
KRNT 1430	8:30 a.m.	WISN 1120	12:40 p.m.	WGST 890	WDSU 1260a	WMIN1370a	10:30 p.m.
KSO 1430	KGBX 1230	WJDX 1270	WOI 640	WMIN1370a	WIBA 1280 ²	WTRC 1310	KMOX 1090
KUSD 890 ²	WDGY 1180	WMIN1370a	12:45 p.m.	WNAX 570	WSMB 1320	XEBZ 820	WOW 590
WIBW 580	WDSU 1250	WTRC 1310	KSOO 1110a	XEB 1030a	5:50 p.m.	8:30 p.m.	WSMB 1320
WMIN1370a	WHBF 1210	11:10 a.m.	WDAY 940	3:30 p.m.	WDGY1180 ²	WJBY 1210	XEB 1030
WMT 600	8:45 a.m.	KGFF 1010	WHO 1000	WAVE 940	WSUI 880	WTAQ1330a	10:45 p.m.
7:15 a.m.	KFAB 770	11:15 a.m.	WKBH 1380	WDGY 1180	5:55 p.m.	8:45 p.m.	KOMA 1480a
KGFF 1010	WTAQ 1330	KVOO 1140	WQBC 1360	WGBF 630	KFJM 1370	9:00 p.m.	11:00 p.m.
KMBC 950	9:00 a.m.	WBBZ 1200	12:50 p.m.	WISN 1120	WJBY 1210	KFNF 890	KARK 890
WGST 890	KARK 890	WDOD 1280	WDGY 1180	WJJD 1130	6:00 p.m.	9:00 p.m.	KFNF 1300a
WHO 1000	7:25 a.m.	11:30 p.m.	1:00 p.m.	3:45 p.m.	KARK 890	KARK 890	WGST 890
WDAF 610	WJDX 1270	KFDM 560	KARK 890	KVOO 1140	KLPM 1240	KFDM 560	WHBF 1210
7:30 a.m.	WMIN1370a	KFFW 1210	KGKL 1370	WOW 590	KMOX 1090	KGKL 1370	WIBW 580
KFEK 680	WMT 600	KRGV 1260a	KRGV 1260a	4:00 p.m.	KRGV 1260a	KRGV 1260a	WMIN1370a
KUOA 1260	WNBR 1430	WAAW 660 ²	WAVE 940 ⁵	KARK 890	KVOL 1310	KUSD 890 ⁵	11:15 p.m.
KWTO 560	WROK 1410	11:45 a.m.	WMIN1370a	KMBC 950	WIBF 1210	WSUI 880	KMOX1090 ²
WAAW 660	WTMJ 620	11:50 a.m.	WTRC 1310	KRGV 1260a	WIBW 580a	WNBR1430 ²	11:30 p.m.
WDGY 1180	9:15 a.m.	WBAA 890	WTAQ1330a	KUSD 890 ⁵	WMIN1370a	WSUI 880	WMC 780
WDSU 1250	WNAX 570	WDAF 610	1:05 p.m.	WMIN1370a	WTAQ 1330	9:15 p.m.	11:45 p.m.
WIB 1280	9:30 a.m.	WOAI 1190	WTMJ 620	4:15 p.m.	WJBY 1210	9:30 p.m.	Midnight
WMC 780	KOMA 1480	Noon	1:15 p.m.	WAAW 660 ²	WSFA 1410 ²	KTAT 1240	KARK 890
WSPA 1410	KRNT 1320 ²	KARK 890	KWTO 580 ²	WJAG 1060	6:05 p.m.	WGBF 630a	KMBC 950
WTMJ 620	KSO 1430 ²	KFRU 630	WAAW 660	4:30 p.m.	WGST 890a	WSFA 1410	WHBF 1210
7:45 a.m.	KWTO 560	KGFF 1430	WHO 1000 ²	WAAW 660			

MOUNTAIN STANDARD TIME

6:30 p.m.	KFXD 1200	7:15 a.m.	KVOR 1270	7:45 a.m.	7:55 a.m.	8:00 a.m.	CJRM 540
KOBH 1370	7:00 a.m.	KGVO 1260	7:30 a.m.	KLZ 560	CHAB 1200	CKCK 1010	
6:50 a.m.	KOA 830	KTFI 1240	KDYL 1290	KOBH 1370	KSL 1130	KFCJ 690	KFEL 920

8:15 a.m. KLO 1400	10:00 a.m. KDFN 1440	KGIR 1340	12:55 p.m. KDYL 1290	KSL 1130	5:55 p.m. KDYL 1290	7:30 p.m. KTPI 1240	10:00 p.m. CJRM 540
8:30 a.m. KDFN 1440	KOY 1390	KIDO 1350	KDYL 1290	3:45 p.m. KLZ 560a	6:00 p.m. KGR 1340	8:00 p.m. KSEI 900a	KFBB 1280
KDYL 1290	KTAR 620	KTAR 620	KTPI 1240	4:00 p.m. KDFN 1440	KLO 1400	KVOD 920a	KLZ 560a
KSEI 900	KVOD 920a	12:15 p.m. KDFN 1440 ²	KVOD 920	KDYL 1290 ²	KOY 1390	8:15 p.m. KOB 1180	KOY 1390
8:45 a.m. KIUN 1420	KDFN 1440	KFBW 1280	KGVO 1280	KGHF 1320	6:15 p.m. CHAB 1200	8:30 p.m. KDFN 1440	KVOD 920 ²
9:00 a.m. KOBH 1370	KIDO 1350	KVOR 1270	KID 1350	1:30 p.m. KFEL 920a	KGVO 1280	KFXD 1200	10:35 p.m. KSL 1130
KOBH 1370	KOBH 1370	XEAF 990	KID 1350	4:30 p.m. KOA 830	6:30 p.m. KOBH 1370	8:45 p.m. CKCK 1010	10:45 p.m. KSL 1130a
KVOD 920	11:00 a.m. KDFN 1440	12:20 p.m. KYO 1390a	KVOD 920	4:45 p.m. KIBO 1350 ²	8:00 p.m. KSL 1130	9:00 p.m. XEAF 990	11:00 p.m. KGR 1340
9:30 a.m. KDYL 1290	11:10 a.m. KDYL 1290	12:30 p.m. CHAB 1200	KSL 1130 ²	5:00 p.m. CKCK 1010	9:15 p.m. KGR 1340	9:30 p.m. KTAR 620	11:15 p.m. KOA 830
KGHF 1320	11:15 a.m. KLZ 560 ²	CKCK 1010	KTPI 1240	KVOD 920	10:00 p.m. KGR 1340		KTAR 620
KTPI 1240	11:30 a.m. KOA 830	KDFN 1440	KDYL 1290	5:30 p.m. KDFN 1440	10:10 p.m. KGR 1340		
9:45 a.m. KFBB 1280	11:50 a.m. KLO 1400	KFKA 880	KID 1350	KSEI 900	10:20 p.m. KGR 1340		
9:50 a.m. KFND 1200	Noon KFEL 920a	KFXD 1200	KOY 1390	KTPI 1240	10:30 p.m. KGR 1340		
KSEI 900		CJRM 540	3:15 p.m. KGVO 1260	5:45 p.m. KVOR 1270	10:40 p.m. KGR 1340		

PACIFIC STANDARD TIME

KGDM 1100	KYOS 1040	10:30 a.m. KIRO 710	KMJ 580	KPO 680	4:45 p.m. KPRC 610	7:00 p.m. KIT 1310	KYA 1230
KHSL 950	8:45 a.m. KFVD 1000	11:30 a.m. CJAT 910	KOL 1270	2:45 p.m. KYOS 1040	KGDM 1100	7:45 p.m. KLX 880	10:00 p.m. KFI 640a
KW 1010	KWJJ 1040	KIRO 710	KVI 570	3:00 p.m. KJBS 1070	KYOS 1040	8:00 p.m. KOA 550	KFRC 610a
7:15 a.m. KFBB 1490	KFI 640	11:45 a.m. KHQ 590	KOIN 940	KQW 1010	5:00 p.m. KFPY 890	8:15 p.m. KGA 1470	KFWB 950a
KMJ 580	KFPY 890	Noon KFAC 1300	KRNR 1500	3:30 p.m. KIRO 710	5:15 p.m. KOS 1390	8:30 p.m. KGA 1470	KGA 1470
7:30 a.m. KFAC 1300	KOL 1270	KFAC 1300	KWSC 1220	KOIN 940	5:30 p.m. KGBU 900	9:00 p.m. KGFJ 1200	KGB 1330a
KIEM 1450	KPO 680	KIT 1310	KYOS 1040	3:40 p.m. KFAC 1300	CIOV 630	9:15 p.m. KGFJ 1200	KOMO 920 ²
KIRO 710	9:15 a.m. KGDM 1100	KNN 1050	KPRC 610 ²	3:45 p.m. KGR 1360	KIRO 710	9:30 p.m. KGFJ 1200	10:10 p.m. KGR 1360a
KJR 970	KJR 970	KOAC 550	KGA 1470	KOL 1270	5:45 p.m. KPO 680	9:45 p.m. KGFJ 1200	10:20 p.m. KFVD 1000
KNN 1050	KOOS 1390	KROW 930	1:15 p.m. KGR 1360	KYOS 1040	6:00 p.m. KECA 1430	10:00 p.m. KGFJ 1200	10:30 p.m. KFVD 1000
KRNR 1500	9:30 a.m. KHSL 950	KSP 500	1:30 p.m. KIRO 710	4:00 p.m. KFVD 1000	KFCAC 1300	10:10 p.m. KGFJ 1200	10:45 p.m. KXA 760
KWSC 1220	KIRO 710	KCOV 630	1:45 p.m. KHSL 950	KGA 1470	KFWB 950a	10:20 p.m. KGFJ 1200	11:00 p.m. KECA 1430
7:45 p.m. KVI 570	9:45 a.m. KFWB 950	KHSL 950	2:00 p.m. KHSL 950	KLX 880 ²	KQW 1010	10:30 p.m. KGFJ 1200	11:15 p.m. KGFJ 1200
8:00 p.m. KGA 1470	KFWB 950	12:30 p.m. KFPY 890	2:15 p.m. KFVD 1000	4:15 p.m. KHSL 950	KROW 930	10:45 p.m. KGFJ 1200	11:30 p.m. KGFJ 1200
KHQ 590	KNN 1050	KFRC 610	KGDM 1100 ²	4:30 p.m. KIRO 710	XEMO 860	10:50 p.m. KGFJ 1200	11:45 p.m. KGFJ 1200
KIT 1310	10:00 a.m. KJBS 1070	KFVD 1000	KLX 880	5:00 p.m. KRN 1500	6:15 p.m. KJR 970	11:00 p.m. KGFJ 1200	11:50 p.m. KGFJ 1200
KOL 1270	KQW 1010	KOBU 900	2:15 p.m. KGDM 1100	5:15 p.m. KRN 1500	6:30 p.m. KXN 1050	12:00 a.m. KGFJ 1200	12:15 a.m. KGFJ 1200
8:30 a.m. KCOV 630	10:15 a.m. KFVD 1000	KIEM 1450	2:30 p.m. KIRO 710	5:30 p.m. KRN 1500	6:45 p.m. KXN 1050	12:30 a.m. KGFJ 1200	12:45 a.m. KGFJ 1200
KFRC 610	10:30 a.m. KJBS 1070	KIRO 710		5:45 p.m. KRN 1500	6:50 p.m. KXN 1050	12:50 a.m. KGFJ 1200	1:00 a.m. KGFJ 1200
KIRO 710				5:55 p.m. KRN 1500	7:00 p.m. KXN 1050	1:10 a.m. KGFJ 1200	1:20 a.m. KGFJ 1200
KOIN 940				6:00 p.m. KRN 1500	7:15 p.m. KXN 1050	1:30 a.m. KGFJ 1200	1:40 a.m. KGFJ 1200

The Broadcast Division of the FCC has approved the transfer of ownership of several radio stations. The sale of KOMA, Oklahoma City, for \$75,000 and of WACO, Waco, for \$50,000 to Hearst Radio, Inc., was approved. Some time ago Hearst Radio became the owner of KTSA, San Antonio and KNOW, Austin. These four stations were formerly owned by the Southwest Broadcasting System. A fifth station in this station has been sold to Raymond Buck but the transfer has not yet

had the approval of the FCC. This is KTAT at Fort Worth.

Dr. Lee DeForest, noted inventor and radio pioneer, was one of the speakers at the dedication of the new million dollar broadcasting plant of WWJ, Detroit. Dr. DeForest strengthened WWJ's claim to being the oldest radio station in the world, declaring that KDKA was founded eleven weeks later, and that WSB at Atlanta appeared on the air before KDKA, but after WWJ.

STUDYING THE STARS

• • • By BETTY

THE Baron Munchausen, fabulous figure of the microphone, is back on the air.

Jack Pearl, creator of the Baron (the radio version of the Baron . . . the original idea was conceived by Rudolph Raspe in 1785), resumed the programs after an absence of a year and a half from the airwaves. During that time the man who made "Vas you dere. Sharlie?" a national catch-phrase, has been traveling in Europe and South America. "Sharlie" is there, too, again in the polysyllabic person of Cliff Hall, who has been at Jack's side for years as his straight man.

Jack Pearl, like several of his outstanding contemporaries of stage and radio fame, was born on New York's lower east side and was a seasoned troupier by the time he reached his 'teens. Together with several of those now famous contemporaries, he was for some time a headliner in Gus Edwards' vaudeville troupe of talented juveniles.

For some time Jack was one of the brightest stars presented by Florenz Ziegfeld, Broadway's master showman, and it was under the Ziegfeld banner that he first came to radio, in the impresario's first and only air review. It was soon after this that he created the Baronial role became one of the foremost figures of the broadcasting studios.

Jack Pearl and Cliff Hall are heard on Mondays from 9:30 to 10 p. m., EST, on the NBC-Blue Network.

A Fool and a Foil

The most successful comedian-straight man combination in radio, Ed Wynn and Graham McNamee, were re-united when the Perfect Fool started his new series



We do not believe it is necessary to tell anyone that this is Charles Butterworth of movie fame. "Do the people love me. . . or don't they?" he seems to wonder, as he finishes his weekly broadcast with Fred Astaire over the NBC-Red hookup. The Packard hour, with Astaire and Butterworth, is heard Tuesdays at 9:30 pm, EST.

over the NBC-Blue network last month, on Saturdays at 8 p. m., EST.

With the exception of one brief series, the famous announcer has always acted as partner for the flut-tery-voiced funny man. Wynn calls him "The Perfect Foil" for his "Perfect Fool."

Ed Wynn made his radio debut 14 years ago, June 12, 1922, to be exact. On that date he took the entire cast of "The Perfect Fool" over to the old WJZ studios in Newark and presented the show complete, including the ballet which Ed described for listeners.

Graham McNamee had joined the staff of WEAf, then a rival station to WJZ, just one month before, as a singer who consented to do some announcing on the side.

Ten years after his first broadcast, Wynn returned to the air on the NBC, and found that McNamee had been assigned to announce the show. The instantaneous success of the program was no surprise because for years Ed Wynn had been the most widely laughed-at jester on the stage. His starring shows, such as the "Perfect Fool," "The Grab Bag," "Manhattan Mary," "Simple Simon," "The Laugh Parade," had set box office records. The microphone proved to be a natural medium for his irrepressible talents.

McNamee's voice is possibly one of the best known in the world. He has been heard for more than ten years on outstanding events, such as conventions, prize fights, football games, horse-races and baseball series. In addition to those, he has announced many of the outstanding studio programs over the networks.

Like Harry Von Zell and Don Wilson, his announcing colleagues, McNamee began his microphone career as a baritone. He made his concert debut at Aeolian Hall in 1922, and then decided to try radio. He applied for an audition at station WEAf and was eminently successful. The announcer, who considers his assignment to cover Broadway's welcome to Lindberg the most thrilling of his career, has been with NBC ever since the network was formed.

So They Got Paid

Billy Jones and Ernie Hare of the CBS Sunday night "Community Sing" program, who just celebrated their fifteenth anniversary on the air, recalled how they started the ball rolling in the direction of the huge radio salaries paid today.

It was back in 1921. Their first broadcast was such a success that the manager of WJZ invited them to return the following week. Being practical fellows, they asked, "How much?" They were told they wouldn't be paid anything at all. because, it was explained, "this is a scientific experiment."

"No pay, no work," replied Jones emphatically. "The boys in the control room get their check every Saturday. You get paid for asking us. The guys who built this station were paid. But the artist who really performs gets nothing. No, thanks. You can get someone else."

Two weeks later, the station capitulated. They were given \$25.

News of the Radio World

• • • By Count De Veries

WHAT was probably the goofiest incident during the recent presidential campaign was the decision of the Democratic National Committee to withhold all further commercial broadcasts from stations KFI-KECA, Los Angeles.

It all started when KFI refused to carry one of President Roosevelt's "fireside chats" as a sustaining program. The station maintained in a statement to the FCC that it made a "clear distinction between the President of the United States and the Democratic candidate for that Office." Claiming that the fireside chats were part of the election campaign, the management declined to accept the broadcast without payment of the usual time rates.

Although the FCC Broadcast division gave KFI a clean bill of health under the political section of the Communications Act, Commissioner George H. Payne, in an address at Riverhead, N. Y., called the KFI action an "arrogant abuse of power."

Democratic leaders, planning to use both major networks for campaign speeches by the President, decided that adequate coverage in the Los Angeles area could be had through Columbia outlets.

Regina Stations Merge

Purchase of radio station CHWC was announced early this fall by the management of the Leader-Post in Regina, Sask. The station has been merged with CKCK, pioneer Leader-Post broadcast plant, which had been established more than 14 years ago.

Station CKCK was formally opened on July 28, 1922 and hundreds of Reginans tramped through a pouring wet night to participate in the ceremonies. "Remote control", as it had been developed in that day, was used and the speeches from the city hall auditorium were carried to the operating room in The Leader-Post building to be sent over the air.

Several world's records are to the credit of CKCK. In March of 1933, it broadcast the first professional hockey game ever to be transmitted. The first long distance remote control broadcast was given in the same year. The first church service ever broadcast in the British Empire was carried from Carmichael Church, Regina. In more recent years, CKCK was the only station in Canada to have as a guest Rt. Rev. Bishop Ingram, lord bishop of London, when he was in the Dominion a few years ago.

For a time after the purchase of CHWC, programs were broadcast under the call CKCK-CHWC. When CHWC's license expired, its call was dropped permanently from the records and CKCK carries on a program of service to the people of Saskatchewan.

CSB Plans Hollywood Center

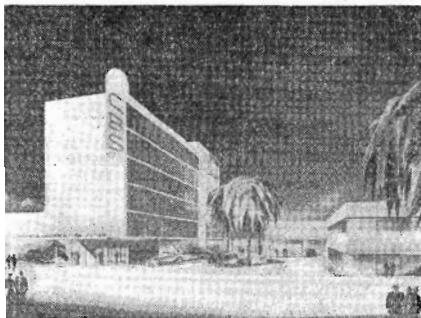
That broadcasting from Hollywood is becoming an increasingly important factor in network plans

is shown by the decision of Columbia to erect elaborate Pacific Coast headquarters in the movie capital to serve its nation-wide and regional networks.

The project includes a new radio center to be built at an approximate cost of one million dollars. Plans are also under way to extend Columbia facilities in San Francisco.

The new CBS radio center in Hollywood will include auditoriums, studios and offices to serve the recently-acquired 50-KW station KNX as well as the regional and national networks.

The developments of over three years of laboratory research in production, acoustical technique and en-



The architect's impression of the new West Coast radio center which the Columbia Broadcasting System plans to erect in Hollywood . . . a virtual "house of glass" embodying auditoriums, studios and offices in modern structures to cover an entire city block on Sunset Blvd. Construction will commence the first of the year and an investment of about a million dollars will be represented.

gineering design will be focused on the new project. In its design, Columbia will incorporate the benefits of both American and European advancements in sound broadcasting and television.

Final plans have been approved and actual building operations are due to commence about January 1st. It is expected that several building units will be completed by next October.

WFIL Builds New Studios

Not to be outdone by its rival network, Station WFIL has completed plans for the construction of a suite of modern, air-conditioned studios and offices on the top floor of the Widener Building in the heart of Philadelphia's mid-town business district.

Technically, the new studios will represent the broadcasting station of tomorrow. Chief Engineer Becker has perfected a new operations system designed to eliminate superfluous wiring and materials. Revolutionary in theory and compact, this equipment will incorporate all the features of efficient, practical operation with the use of but one half the usual space.

Work on construction is to be rushed so that the new quarters will be ready for occupancy early in 1937, in time to commemorate the station's second anniversary.

F.C.C. October Hearings

Shall thirty or more superpower broadcasting stations, radiating energy of 500,000 watts or more and equaled only by one station in Cincinnati and another in Moscow, be authorized in the United States to widen and improve service to the rural listener?

Although the October hearings scheduled by the Federal Communications Commission were intended to cover every phase of broadcasting, the question of superpower appeared to be the mooted point. Two schools of thought presented their ideas before the Broadcast Division.

Staunch advocate of increased power for better coverage, Lenox R. Lohr, NBC president, contended that more stations like WLW would not only provide better service to the outlying audience but would deliver clearer programs to interference-ridden metropolitan areas. He was supported by representatives of a group of clear-channel

stations.

Opposing views were led by William S. Paley, CBS president, who claimed that additional superpower would mean a lessened need for local and regional outlets on the networks. He was supported by the so-called regional channel group who asked that superpower be banned in this country because it would virtually doom regional stations, with their local audiences standing to suffer blanketing and cross-talk interference.

One significant point in Mr. Paley's testimony was brought out during his mention of the cost of superpower broadcasting. He estimated that such grants would impose an additional burden of over ten million dollars on the broadcasting industry and an additional annual operating cost of three to four million dollars. With an experimental television budget of two million dollars already approved and, in his opinion, visual broadcasting not more than two years away, he was firm in his belief that stations could not afford additional outlays for sound transmissions.

Thus the biggest independent American network discloses that it sees television not more than two years hence! And Mr. Paley has returned only the week before from Europe where he himself studied television developments. This disclosure is conceded to be of greater importance than even the superpower developments.

You cannot forget to tune in your favorite radio programs when you have them marked down on the RADEX radio slate. Its four pages of heavy bristol board provide spaces for all the evening programs and for Sunday afternoon. Try them and you will wonder how you ever got along without them. Four for 25c, sent post-paid.

Radio Problems

(Continued from Page 22)

a pre-selector. A set, such as the 18-tube Midwest, hardly needs a pre-selector. Most sets of these types, have built-in pre-selectors anyway.

A Modern Receiver

For some time I have been contemplating the building of a new broadcast-band and short-wave receiver, but so far I have not found a suitable diagram. I would like to use a 58 r-f tube, 57 detector, 56 a-f and a 2A5 power with an 80 rectifier. If you can publish a diagram it would be a help, or perhaps a superheterodyne using the same tubes would be sufficient.

This request is not unlike many others that RADEX receives. But we have been compelled to lean backwards when the subject of set building is broached. RADEX is not particularly an experimental radio magazine, and it prefers to leave that field to such magazines that specialize in set building. First, set building today is not the simple proposition it was some years ago. The newer tubes and all-wave circuits require something more than a diagram and a pile of assorted parts. There are very definite engineering problems to be met; the spacing of the parts; use of a metal chassis frame; the shielding of tubes and coils; the location of wires and small units beneath the chassis; not to mention the many calculations for tubes, current, and potentials at many different points.

Majestic radios, refrigerators and other household utilities will be made and distributed by the Triangle Electric Co. of Chicago. This firm, controlled by the Davega Stores Corp., recently purchased the good-will, trademarks and patent rights of the former Grigsby-Grunow Co.

Winter Nights

(Continued from Page 6)

The coming of a cold wave heralds several days and nights of good radio reception. Everyone should make the best of it. The wave follows upon the heels of cloudy and snowy weather which has been accompanied by some static. Temperatures drop rapidly and the skies become clear. In a few hours the static-infested air is cleared, and reception becomes a thing of joy. DX radio fans settle down for the night, and should be permitted to enjoy those hours of wonderful reception that come all too seldom each season.

Static Predicts Change

On the other hand, even in the midst of bright, cold weather, static may appear. It rapidly increases, soon to be followed by cloudy and unsettled weather. In such cases, this sudden winter static is a fairly reliable indicator of a coming change in the weather. Just why static develops like this when skies are bright and clear is not fully understood, for the condition often appears considerably in advance of the actual rain or snow that ordinarily brings static.

There is much in the winter weather of the atmosphere in which we live that affects radio reception. But we have little knowledge of what occurs far beyond. We do know, however, that sun spots and auroras—those great electrical and magnetic storms which are associated with sun spots—often affect winter radio reception and wire telegraphy. But auroras are rare, except in the far north, and seldom interfere with radio reception during the winter months.

Broadcasting is officially recognized as having started in the United States in the autumn of 1920. (WWJ, Detroit, Aug. 20, 1920).



Joe Penner, with his cigar, tweed hat, throaty chuckles and all, is back on the CBS airways every Sunday from 6 to 6:30 pm, EST. The musical background for his nonsensical songs is supplied by Jimmie Grier's Orchestra.

Around the World

(Continued from Page 10)

which were reported by a RADEX reader some time ago, belong to the new liner "Awatea," in the Australia to New Zealand service. ZMBJ has a power of 300-400 watts and so far has been heard near 23, 34 and 70 meters, testing with ZLT at Wellington.

Prague Station Confirms

One of the first to receive a verification from the new Czechoslovakia station is Carl Eder of Willmar, Minn. The text of the confirmation is, "Referring to your letter of 24/VII-36, requesting us to verify the program which you heard over the radio that day, we are glad to inform you that your reception was correct, **Station Praha** Short Wave, hour 11.37 GMT. Wavelength 19 and 25 meters . . . Radio Journal." A

photograph of Mr. and Mrs. Eder will be found in this edition of RADEX.

A London listener wrote about his reception of **W2XAD** to a British magazine, under date of October 9, 1936. His comments might be of interest to baseball fans. "A relay was in progress from Detroit where one of the games in the great World Series of baseball matches was being played. With the aid of the famous 'Babe' Ruth, the game was won by the Detroit Tigers. . . ." This convinces us that their knowledge of baseball is about equal to our knowledge of cricket.

"I have just logged a few new s.w. phones and police calls," reports James L. Black, 2252 Bellfield Ave., Cleveland, Ohio. "Two of them were on 1706 kcs., **WEVN** and **WHWN**, both of the Maryland State Police but their exact location unknown. On 2604 kcs. there were three U. S. Army stations, **WYER** near Lexington, Mo.; **WZAS** at Gasconade, Mo., and **WZAU** at Napoleon, Mo. The Army stations were heard calling each other at about 9 pm, EST. These new calls bring my total log up to 812 stations, including the broadcast band, 'phones, police and amateurs. Both the Chilean short-wave stations have changed their schedule; **CB960** on 9600 kcs. now works from 1130 to 1300 and 1900 to 2130, EST. **CB615**, 6150 kcs., transmits from 1700 to 2000, EST. **COCX** still insists that they are operating on 11.650 megs. but their actual frequency is 11.800. (**COCX** advises us they have no frequency assignment but work anywhere near 11-12 megs. ed.) Their QRA (address) is P. O. Box 32, Havana.

"The Lobito, Angola, station. **CR6AA**, has changed its frequency from 7.175 to 9.660 megs. They use 500 watts and transmit Wednesday and Saturday from 1645 to 1830, EST. **H13C**, La Romana, D. R., formerly on 6,900 kcs., changed to 6105. then moved to 6730 kcs, where it is

now heard on the following schedule: Weekdays, 1310-1510 and 1910-2040, EST. Sundays, 1310-1540 EST. The new station in David, Panama, is about due to come on the air; it will be known as **HP5L** and will work on 11.740 megs."

A new station in Maracaibo, Venezuela is reported by Ralph Gozen, 1090 East Parkway, Brooklyn, N. Y. "**YVIRG-YVIRH**, first came on the air on 6.36 megs but are now on 6.39," he states. "One of these call letters is for the s.w. and the other is for the broadcast band, but I do not know which is which. The slogan is Emisora Philco and the address, Apartado 261.

"**YDC**, Bandoeng, Java, N. E. I., is a new call. I hear it on 15.150 megs at the same time as **PLP**, and with a much better signal. The latest verification from **H13C** at La Romana, D. R., gives the freq. as 6.73 megs, power as 50 watts, and schedule as daily 1210-1340 and 1810-1940, EST. Their slogan is La Voz de la Feria."

The American-Hungarian DXer, Albert Steinmetz, 1235 N. Lawrence St., Philadelphia, Pa., heard about the existence of a Hungarian Radio Club in Chicago, Ill., through his favorite station, **HAT4** at Budapest, Hungary. He would like further information about this club. If anyone in Chicago knows about it please let **RADEX** as well as Mt. Steinmetz as we want our Roster of DX Clubs to be complete.

"Since my last report I have received a number of verifications, including **DJC**, **DJL**, **ORK**, **2RO**, **COCQ** and others," submits William Buchanan, 189 Park St., Sydney, N. S. "In a former issue of **RADEX** a reader reported **COCQ** on 9750 kcs, but according to their card they are on 9755. I am hearing **ORK** in Brussels from 1330 to 1500, EST, with a good signal."

A local radio amateur (**W8BKM**) brought it to our attention that a

few broadcast listeners have sent him SWL cards with a good unused penny stamp affixed to the face of them so he can easily remove the stamp and use it in replying to them. It pleased us to note that at least a few listeners are willing to stand the expense of their verifications, and the method is suggested to others who desire cards from amateurs but who cannot send many letters at the full rate in order to enclose return postage. Most amateurs appreciate reports from listeners and are willing to verify them if they do not have to pay the postage.

"Formerly known as **XEVI**, the Mexico City station on 11900 kcs. is now **XEWI**," states Morton Meehan, 563 Adams Ave., Elizabeth, N. J. "According to programs they send out they are on the air Mondays from 3-4 pm, Tuesdays from 7:30 to 8:45 pm and 10:30 to midnight. Wednesdays 3-4 pm; Thursdays 7:30 to 8:45 pm and 10 pm to midnight; Fridays 3 to 4 pm and 9 to 12 pm, and Sundays from 1 to 2:15 pm, all times EST. They broadcast programs in Spanish, French, German, English Esperanto. Lessons in Esperanto are given on Mondays from 3 to 4 pm. **XEWI**'s address is P. O. Box 2874."

James Walker of Romney, Va., is, we believe, the first to obtain a verification from the floating Australian station **9MI**. The QSL card, which bears a picture of the vessel **Kanimbla**, states that this is the first ship broadcasting station. Frequencies used are 11710 and 6010 kcs., with 50 watts aerial power. The owners are McIlwraith, McEacharn, Ltd., Box 255c, Melbourne, Australia.

"The Meade Boys," 819 Wyandotte St., Kansas City, Mo., tell us that **CLX** in Havana, Cuba, was heard testing on phone on 6995 kcs., and the new Maracaibo station **YVIRH** was heard after midnight on 6330 kcs. broadcasting a special program to the West Indies.



The Second Vice-President of the I RDXC is Leslie W. Orton.

KAED, Angoon, Alaska, is a 40 watt Territorial station on 2.616 and 3093 kcs. It can work with any other station on 2.616 but has a regular schedule only with KAEP at Tenakee, on Chichagoff Island, at 8 pm Alaskan time (midnight, EST). On 3093 kcs. KAED works exclusively with WXA, Juneau, at 8:45 pm Alaskan time.

Information of interest to listeners on the west coast comes from Ashley Walcott, San Francisco, Calif. Stations KBCE and KBCD, forestry stations in California, have shifted their frequency from 3445 to 3437.5 kcs. A new station, KBAW at Porterville also works on this new frequency. SP33 at Weaverville, on 3345 kcs., is now KBAX.

A third report on *Radio Podebrady* comes from J. Herbert Hyde, Box 82, Elmwood, Conn., the details given by

him being the same as given elsewhere in this article, except that Mr. Hyde heard them testing at 1700 to 1730 EST. The station is no doubt on the air continuously for twelve hours, from 2 pm until 2 am, EST. Mr. Hyde's comments on several other stations follow:

"Last Sunday afternoon I logged TFJ in Reykjavik, Iceland, for the first time. I picked them up at the beginning of their transmission, 1340 EST and held them until they signed off at about 1436 EST. The signal was clear but not much 'sock' or power to it. Fading was rapid and shallow. An English traveller gave a very interesting talk on Iceland and, in spite of the imperfect reception, I was able to enjoy quite a few of his remarks.

"I finally logged *Radio Suva* and, while the signal was not good, I was able to get a fairly good log and have a report in the mail to them. The station seemed to be poorly modulated and it was sometimes difficult to understand everything.

"LSX has been on the air again, relaying, irregularly, the programs of *Radio Splendide*."

In the Wee Hours

(Continued from Page 17)

log and verify a new station. The second is to provide unusual programs of outstanding merit for the scattered night owls around the country.

For the actual logging of stations, the monthly frequency checks offer DXers the best possible opportunity to hear a selected group of stations under favorable conditions. With few exceptions, these test transmissions are audible in all parts of the country. Therefore, we believe that courtesy programs committees would do well to schedule a minimum of these stations for DX broadcasts.

There is also a large group of clear-channel and higher-power regional stations which may be heard during their regular transmissions. Thus, for logging purposes, special programs have little or no appeal either to station or DXer. It is true that some of these stations, such as KSL, KVOO, WOR, WABC and a few others, plan occasional late programs of real interest to the DXing fraternity.

Therefore, we are of the opinion that radio clubs should confine most of their efforts to the smaller stations which are not available on regular or frequency check transmissions. In this class fall many 100-watt locals which are not included in the monthly checks as well as not a few medium-power stations on specified hours. DX broadcasts from these stations are always welcome and the various CPC's should attempt to have them all on once or twice a year.

All-Nighters Continue

"Recently I read in the radio column of a prominent New York newspaper," confides Glen V. Phillips, 221 Roosevelt St., Union City, N. J., "that WNEW has about 200 regular listeners in their Milkman's Matinee which runs from 2:00 to 7:00 AM daily except Monday. This station covers my dial from 1200 to 1400 kcys and spoils my chances to hear stations on four crowded local channels. Certainly this is a good reason to use in promoting the removal of such stations from the air lanes during the early-morning hours."

"A check-up of Pacific Coast stations," reports Charles C. Norton, 2018 Green St., San Francisco, Calif., "shows that KRE, KJBS, KGFJ, KFAC and KXL are on all night. KYA broadcasts regularly until 5:00 AM, EST. KSFO is on every night until 4:30 AM, EST, while KROW transmits until 5:30 AM, EST daily."

THE MONTH'S CHANGES IN STATION DATA

		NEW
790	.....	Pittsburg, Kans.
1050	WEAU	Eau Claire, Wis.
1200	.....	Huntsville, Ala.
.....	.....	Kinston, N. C.
.....	.....	Sloux Falls, S. Dak.
1260	.....	St. Louis, Mo.
.....	.....	Winston-Salem, N. C.
1310	.....	Cedar City, Utah
.....	.....	Corsicana, Texas
.....	.....	Jefferson City, Mo.
1370	.....	Wausau, Wis.
1420	.....	Watertown, N. Y.
1480	.....	Hammond, Ind.
1500	.....	Salina, Kans.
		FREQUENCY
550	XEFC	Merida, Yuc., from 560
1200	KOOS	Marshfield, Ore., from 1390
1410	CMCQ	Havana, Cuba, from 1420
		POWER
730	XEPN	Piedras Negras, Coah., 100,000 from 50,000
830	CMJX	Camaguey, Cuba, 500 watts
840	XERA	Villa Acuna, Coah., 350,000 from 250,000
1010	CMJA	Camaguey, Cuba, 300 from 50
1200	CMCO	Havana, Cuba, 250 from 150
.....	KDNC	Lewistown, Mont., 250 from 100
1220	XETF	Veracruz, Ver., 30 from 12
		LOCATION
1260	KOIL	Omaha, Nebr., from Council Bluffs, Iowa
.....	KUOA	Siloam Springs, Ark., from Fayetteville, Ark.
1290	WEBC	Duluth, Minn., from Superior, Wis.
1370	WBLK	Clarksburg, W. Va., from WEXP
		NETWORKS
590	WEEI	Boston, Mass., OBS from NBC
1210	WOOL	Columbus, Ohio, new NBC
		DELETE
1160	XESL	Tijuana, L. C.
1200	WOLS	Florence, S. C.

Puerto Rico's fourth broadcasting station was authorized by the FCC when it granted the application of Emilio Defillo Ramirez to erect a 100 watt night and 250 watt day outlet on 1370 kcs. in the city of Mayaguez. Mr. Ramirez is the owner of the Puerto Rico Advertising Co. The call letters are WPRA.

* * *

The NBC has commenced to broadcast a 15-minute sustaining feature on Mondays, Wednesdays and Fridays to Central and South American countries through the facilities of W3XAL at Bound Brook, N. J., 6100 kcs. The programs are announced in Spanish by Dan Russell, and are entitled "El Pan-Americano." It is expected that soon a full hour program will be transmitted nightly in Spanish.

WHAT'S ON THE AIR TONIGHT

Fill in calls and dial numbers for those stations through which you best receive the three chains. You can then turn quickly to the one that has the feature you want.

COLUMBIA.....(C)	
Call	Dial

NATIONAL, Red (R)	
Call	Dial

NATIONAL, Blue (B)	
Call	Dial

Time: E Eastern; C Central; M Mountain; P Pacific

RADEX is the only publication listing stations in alphabetical order for your convenience.

While these programs are correct at the time of going to press, changes are made from time to time.

MONDAY

E-6:15 p.m., C-5:15, M-4:15, P-3:15
C — Bobby Benson—Sunny Jim
WAAB WABC WCAU WDRC WEAN
WFBL WGR WHEC WOKO

E-6:45 p.m., C-5:45, M-4:45, P-3:45
C — Renfrew of the Mounted
KFAB KFH KLRA KMBC KMOX
KOMA KRLL KRNT KSCJ KTUL
KWKH WABC WADC WBBM WBNS
WCCO WDRC WFBM WGR WHEC
WHK WIBX WICC WISN WJW
WJSV WKBW WMAS WMBG WNAC
WNBH WOC WREC WSMK WSPD
WWVA

B — Lowell Thomas
CRCT KDKA WBAL WBZ WBZA
WFLA WIOD WJAX WJZ WLW
WMAL WOOD WRVA WSYR WTAM
WXYZ

E-7:00 p.m., C-6:00, M-5:00, P-4:00
R — Ames 'n' Andy
KYW WBEN WCAE WCHS WEAF
WEEI WFBW WGY WJAR WLW
WRC WTAG WTIC

E-7:15 p.m., C-6:15, M-5:15, P-4:15
C — Popeye the Sailor
KFAB KLZ KMBC KMOX KRNT
KSL WABC WADC WBBM WBNS
WCAO WCAU WDRC WEAN WFBL
WFBM WGR WHAS WHEC WHK
WIBX WICC WJAX WJSV WKRC
WNAC WOC WOKO WORC WSMK
R — Uncle Ezra's Radio Station
KPRC KTBS KTHS KVOO KYW
WBAP WBEN WCAE WCHS WDFB
WDAF WEAF WEEI WFBW WGY
WHIO WIRE WJAR WKY WMAQ
WOAI WOOD WOW WRC WTAG
WTAM WTIC

E-7:30 p.m., C-6:30, M-5:30, P-4:30
C — Goose Creek Parson
KFAB KMBC WABC WBBM WBNS
WBT WCAO WCAU WDAE WDBJ
WDBO WDRC WEAN WFBL WGR
WGST WHEC WHK WICC WJAX
WJW WJSV WKRC WLWZ WMBG
WMBR WNAC WOKO WORC WQAM
WTOC
B — Lum and Abner
WBZ WBZA WENR WJZ WLW
WMC WSM WSYR

E-7:45 p.m., C-6:45, M-5:45, P-4:45
C — Soaks Carter
KMBC KMOX KOMA KRLL WABC
WBBM WBT WCAO WCAU WCCO
WDRC WEAN WFBL WGR WHAS
WHK WJAX WJR WJSV WKRC
WNAC

E-8:00 p.m., C-7:00, M-6:00, P-5:00
C — Horace Heidt and Orchestra
KDB KERN KFAB KFBK KFH
KFPY KPRC KGB KHJ KLRA KLZ
KMBC KMJ KMOX KOIN KOL
KRLL KRNT KSL KTRH KTSB
KTUL KVI KWG WABC WBBM
WBRC WBT WCAO WCAU WCCO
WDRC WFBL WFBM WGR WGST
WHAS WHK WJAX WJR WJSV
WKRC WLAC WMBR WNAC WNAH
WOKO WREC WWL
R — Fibber McGee and Molly
KSD KYW WBEN WCAE WCKY
WCBS WDAF WEAF WEEI WFBW
WGY WHO WIRE WJAR WMAQ
WOOD WOW WRC WTAG WTAM
WTIC WWJ

B — Helen Hayes, Drama
KDKA KOIL KSO KWK KWB
WBAL WBZ WBZA WEBR WFBW
WFLL WGR WHAM WJZ WIS
WMAL WMT WREN WSAI WSYR
WXYZ

E-8:30 p.m., C-7:30, M-6:30, P-5:30
C — Pick and Pat
KFAB KMBC WABC WADC WBBM
WBT WCAO WCAU WDRC WEAN
WFBL WGR WGST WHEC WHK
WHP WICC WJAX WJR WJSV
WKRC WLWZ WMAS WNAC WOKO
WORC WSPD

R — Voice of Firestone
CFBC CRCT KFYR KPRC KSD
KSTP KTBS KVOO KYW WAVE
WBEN WCAE WCHS WDAF WDFB
WDAF WEAF WEEI WFBW WFAA
WFBW WGR WFLA WGY WHO
WHIO WIBA WIOD WIRE WIS
WJAR WJAX WJDX WKY WMAQ
WMC WOAI WOW WPTF WRC
WRVA WSB WSM WSMB WSOC
WTAG WTAM WTAR WTIC WTMJ
WWJ WWNC

B — Melodiana; Abe Lyman
KDKA KOIL KSO KWK WBAL WBZ

WBZA WCKY WFIL WGAR WHAM
WJZ WIS WMAL WMT WREN
WSYR WXYZ

E-9:00 p.m., C-8:00, M-7:00, P-6:00
C — Lux Radio Theatre
CFRB CKAC KDB KERN KFAB
KFBK KFPY KPRC KGB KHJ
KLRA KLZ KMBC KMJ KMOX
KOIN KOL KOMA KRLL KRNT
KSL KTRH KTSB KTUL KVI KWG
WABC WADC WBBM WBNS WBRC
WBT WCAO WCAU WCCO WDAE
WDBJ WDRC WEAN WFBL WFBM
WGST WHAS WHEC WHK WICC
WISN WJAX WJR WJSV WKBW
WKRC WLAC WNAC WNAH WOKO
WORC WQAM WREC WWL

R — Warden Lawes, Prison Drama
KDYI KFI KGW KHQ KOA KOMO
KPO KPRC KSD KYW WBEN
WCAE WCKY WCHS WDAF WEAF
WGY WHO WIRE WJAR WMAQ
WNAC WOW WRC WTAM
WTIC WWJ

B — Sinclair Greater Minstrels
KDKA KDYL KFYR KOA KOIL
KPRC KSO KSTP KTBS KTHS
KVOO KWK WBAL WBZ WBZA
WDAF WDFB WFAA WFLA WGAR
WHAM WIBA WIOD WIS WJAX
WJDX WJZ WKY WLS WLW WMAL
WMC WMT WOAI WPTF WREN
WRVA WSB WSM WSMB WSOC
WSUN WSYR WTAR WTMJ WWNC
WXYZ

E-9:30 p.m., C-8:30, M-7:30, P-6:30
R — Richard Himber and Orchestra
KFI KPRC KSD KSTP KTBS
KVOO KYW WBEN WCAE WCHS
WDAF WDAY WEAF WEEI WFBW
WFBW WGY WHO WIBA WJAR
WFI WLW WMAQ WOAI WOW
WRC WTAG WTAM WTIC WTMJ
WWJ

B — Jack Pearl, coming.

E-10:00 p.m., C-9:00, M-8:00, P-7:00
R — Contended Program
CFBC CRCT KDYL KFI KGW
KHQ KOA KOMO KPO KPRC KSD
KYW WBEN WCAE WCHS WDAF
WEAF WEEI WFBW WFLA WGY
WHO WIOD WIS WJAR WJAX
WKY WMAQ WMC WOAI WOW

MONDAY (Continued)

WPTF WRC WRVA WSB WSM
WTAG WTAM WTAR WTKC WWJ
WWNC

B — Singin' Sam

KDKA KECA KFSD KGA KGO
KJR KLO KOIL KSO KWK WBAL
WBZ WBZA WENR WFIL WGAR
WHAM WJZ WMAL WMT WREN
WSYR WXYZ

C — Wayne King and Orchestra

KDB KERN KFAB KFBK KFPY
KFRG KGB KHJ KLZ KMBC
KMJ KMOX KOIN KOL KRNT
KSL KVI KWG WAAB WABC
WADC WBBM WBNS WBT WCAO
WCAU WCCO WDCR WEAN WFBL
WFBM WHAS WKW WIBW WJAS
WJR WJSV WKBW WKRC WOKO
WSPD WWL

E-10:30 p.m., C-9:30, M-8:30, P-7:30

R — Krueger Musical Toast

WCSC WCHS WEAF WFBC WFLA
WGY WIOD WIS WJAR WJAX
WNAC WPTF WSB WSOB WSWN
WTAG WTAR WTKC WWNC

E-10:45 p.m., C-9:45, M-8:45, P-7:45

C — Goose Creek Parson

KDB KERN KFAB KFBK KFPY
KFRG KGB KHJ KLZ KMBC
KMJ KMOX KOIN KOL KRNT
KSL KTRH KTSB KTUL KVI KWG
KWKH WBRB WCCO WFBM WHAS
WISN WLAC WROC WWL

E-11:00 p.m., C-10:00, M-9:00, P-8:00

C — Dance Orchestra

CFRB CKAC WAAB WABC WADC
WCAO WCAU WDCR WFBL WFEA
WHBC WHK WIBX WJAS WKBW
WKBW WLBB WMAS WOKO WORC
WPG WSBT WSPD

R — Amos 'n' Andy

KDYI KFI KGW KHQ KOA KOMO
KPO KPRC KSD WBAF WDAF
WHO WKY WLW WMC WOAI WQW
WSB WSM WSMB WTAM WWJ

E-11:15 p.m., C-10:15, M-9:15, P-8:15

C — Renfrew of the Mounted

KDB KERN KFAB KFBK KFPY
KFRG KGB KHJ KMJ KOIN KOL KSL
KVI KWG

E-11:30 p.m., C-10:30, M-9:30, P-8:30

C — Dance Orchestra

CFRB CKAC KLRA WAAB WABC
WADC WACA WBNS WBRB WBT
WCAO WCAU WDAE WDBJ WDBO
WDNC WDOD WDCR WEAN WFBL
WFBM WFEA WGST WHAS WHBC
WHK WIBX WICC WJAS WJR
WJSV WKBW WKRC WLAC
WLBB WMAS WMBG WMBR WNOX
WOKO WORC WQAM WREC WSBT
WSJS WSMK WSPD WTCO

C — Pick and Pat

KDB KERN KFAB KFBK KFPY
KFRG KGB KHJ KLZ KMJ
KMOX KOIN KOL KOMA KRNT
KRNT KSCJ KSL KTUL KVI KWG
KWKH WACO WBRB WCCO WFBM
WHAS WLAC WREC

TUESDAY

E-6:15 p.m., C-5:15, M-4:15, P-3:15

C — News of Youth

WABC WADC WBNS WCAO WCAU
WDCR WEAN WFBL WHK WIBX
WICC WJR WKBW WLBB WNCB
WOKO WORC WWVA

E-6:45 p.m., C-5:45, M-4:45, P-3:45

B — Lowell Thomas, See Monday

C — Renfrew, See Monday

E-7:00 p.m., C-6:00, M-5:00, P-4:00

R — Amos 'n' Andy, See Monday

B — Easy Aces

KDKA KDYL KFI KGW KHQ KOA
KOIL KOMO KPO KSO KWK WBAL
WBZ WBZA WCKY WENR WFIL
WGAR WHAM WHIO WIRE WJZ
WMAL WMT WSYR WXYZ

E-7:15 p.m., C-6:15, M-5:15, P-4:15

C — Ted Husing Sportcast

WABC WADC WBIG WBNS WBT
WCAO WCAU WDAE WDBJ WDBO
WDCR WEFL WGR WGST WHBC
WHK WHP WIBX WICC WKBW
WMAS WMBG WMBR WNBW
WOKO WORC WQAM WSJS WTCO
WWVA

R — Voice of Experience

KDYI KFI KFYR KGW KHQ KOA
KOMO KPO KSD KSTP KYW WBEN
WCAE WCHS WDAF WDAY WEAF
WEBC WEEL WFBW WGY WHO
WIBA WJAR WLW WMAQ WOW
WRC WTAG WTAM WTKC

E-7:30 p.m., C-6:30, M-5:30, P-4:30

B — Lum and Abner, See Monday

E-7:45 p.m., C-6:45, M-5:45, P-4:45

C — Boake Carter, See Monday

E-8:00 p.m., C-7:00, M-6:00, P-5:00

C — Hammerstein Music Hall

KFAB KMOX KRNT WABC WADC
WBNS WBNS WCAO WCAU WDCR
WEAN WFBL WFBM WGR WHAS
WHK WJAS WJR WJSV WKRC
WMAS WNAK WOKO WSPD

R — Leo Reisman and Orchestra

KFYR KPRC KSD KSTP KTBS
KVOO KYW WBAF WBEN WCAE
WCHS WDAF WDAY WEAF WEEL
WFBW WFLA WGY WHO WIBA
WIOD WIS WJAR WJAX WJDX
WKY WLW WMAQ WOW WPTF
WRC WRVA WSOB WTAM WTAM
WTAR WTKC WTMJ WWJ WWNC

B — Log Cabin Dude Ranch

KDKA KOIL KSO KWK WBAL
WBZ WBZA WFIL WGAR WHAM
WIRE WJZ WLS WMAL WMT
WREN WSYR WXYZ

E-8:30 p.m., C-7:30, M-6:30, P-5:30

C — Russ Morgan; Ken Murray

CFRB CKAC KFAB KFBK KFBK
KMBC KMOX KOMA KRNT KRNT
KSL KTRH KTSB KTUL WABC
WADC WBBM WBNS WBRB WBT
WCAO WCAU WCCO WDAE WDBJ
WDCR WEAN WFBL WFBM WGR
WGST WHAS WHBC WHK WICC
WISN WJAS WJR WJSV WKRC
WLAC WMAS WMBD WMBG
WNAK WNAK WOKO WORC WQAM
WREC WWL

R — Wayne King and Orchestra

KFYR KPRC KSD KSTP KTBS
KVOO KYW WBAF WBEN
WCAE WCKY WCHS WDAF WDAY
WEAF WEBC WEEL WFBW WGY
WHO WHIO WIBA WIRE WJAR
WJDX WKY WMAQ WMC WOAI
WOW WRC WSB WSM WSMB WTAG
WTAM WTKC WTMJ WWJ

B — Edgar Guest, Welcome Valley

KDKA KOIL KSO KWK WBAL WBZ
WBZA WFIL WGAR WHAM WJZ

WLS WLW WMAL WMT WREN
WSYR WXYZ

E-9:00 p.m., C-8:00, M-7:00, P-6:00

C — Fred Waring and Orchestra

CFRB CKAC KFAB KFBK KFBK
KLRA KMBC KMOX KOMA KRNT
KRNT KSCJ KTRH KTSB KTUL
KWKH WABC WACO WADC WALA
WBBM WBIG WBNS WBRB WBT
WCAO WCAU WCCO WDAE WDBJ
WDBO WDNC WDOD WDCR WEAN
WFBL WFBM WFEA WGST WHAS
WHBC WHK WHP WIBW WIBX
WICC WISN WJAS WJR WJSV
WKBW WKBN WKBW WKRC
WLAC WLBB WMAS WMBD WMBG
WMBR WMMN WNAK WNAK
WNBW WNOX WOC WOKO WORC
WOWO WPG WQAM WREC WSBT
WSFA WSJS WSPD WTCO WWL

R — Vox Pop; Sidewalk Interviews

KSD KYW WBEN WCAE WCKY
WCHS WDAF WEAF WEEL WFBW
WGY WHO WHIO WIRE WJAR
WMAQ WOW WRC WTAG WTAM
WTKC WWJ

B — Ben Bernie and Orchestra

KDKA KDYL KFI KFSD KFYR
KGW KHQ KOA KOIL KOMO KPO
KPRC KSO KSTP KTAR KTBS
KVOO KWK WAVE WBAF WBAF
WBZ WBZA WDAY WEBC WFIL
WFLA WGAR WHAM WHIO WIOD
WIS WJAX WJDX WJZ WKY WLS
WLW WMAL WMC WMT WOAI
WPTF WREN WRVA WSB WSM
WSMB WSOB WSYR WTAR WTMJ
WWNC WXYZ

E-9:30 p.m., C-8:30, M-7:30, P-6:30

C — Camel Caravan

KDB KERN KFAB KFBK KFBK
KFBK KFRG KGB KGO KHJ
KLRA KLZ KMBC KMJ KMOX
KOH KOIN KOL KOMA KRNT
KRNT KSCJ KSL KTRH KTSB
KTUL KVI KVR KWG KWKH
WABC WACO WADC WALA WBBM
WBIG WBNS WBRB WBT WCAO
WCAU WCCO WDAE WDBJ WDBO
WDNC WDOD WDCR WEAN WFBM
WFEA WGST WHAS WHBC
WHK WHP WIBW WIBX WICC
WJAS WJR WJSV WKBW WKBW
WKRC WLAC WLBB WMAS WMBD
WMBG WMBR WNAK WNAK
WNOX WOKO WORC WOWO WPG
WQAM WREC WSBT WSFA WSJS
WSPD WTCO WWL

R — Fred Astaire; Johnny Green

KRNT KDYL KFI KFYR KGW
KHQ KOA KOMO KPO KPRC KSD
KSTP KTBS KTHS KVOO KYW
WAVE WBAF WBEN WCAE WCKY
WCHS WDAF WDAY WEAF WEBC
WEEL WFBW WFLA WGY WHO
WHIO WIBA WIOD WIRE WIS
WJAR WJAX WJDX WKY WMAQ
WMC WOAI WOW WPTF WRC
WRVA WSM WSMB WSOB WTAG
WTAM WTKC WTKC WTMJ WWJ
WWNC

B — Husbands and Wives

KECA KEX KFSD KGA KGO KJR
KLO KOIL KSO KWK WBAL WBZ
WBZA WEBC WENR WHAM WJZ
WMAL WMT WREN WSAI WSYR
WXYZ

E-10:30 p.m., C-9:30, M-8:30, P-7:30

B — Portraits of Harmony

KDKA KECA KFSD KGA KGBL

TUESDAY (Continued)

KGIR KGO KJR KLO KOIL KPCR
KSO KTBK KTHS KWK WAPI WAVE
WBAL WBAP WBLB WBZA WCKY
WENR WFIL WFLA WGAR WHAM
WIOD WIRE WIS WJAX WJDX
WJZ WKY WMAL WMC WMT WQAI
WPTF WREN WRVA WSB WSM
WSMB WSOB WSUN WSYR WTTA
WVNC WXYZ

E-11:00 p.m., C-10:00, M-9:00, P-8:00
C — Dance Orchestra
CKAC WAAB WABC WADC WCAO
WCAU WDRC WFBL WFEA WHEC
WHK WIBX WJAS WJSV WKBW
WLBZ WMAS WOKO WORC WSBT
WSPD

R — Amos 'n' Andy, See Monday

E-11:15 p.m., C-10:15, M-9:15, P-8:15
C — Renfrew of Mounted, See Monday

E-11:30 p.m., C-10:30, M-9:30, P-8:30
C — Dance Orchestra

CFRB CKAC KLRA KSCJ WAAB
WABC WADC WALA WBBM WBNS
WBRC WBT WCAU WCOO WDAE
WDBJ WDBO WDNC WDOE WDRC
WEAN WFBL WFBM WFEA WGST
WHS WHEC WHK WIBX WICC
WISN WJAS WJR WJSV WKBW
WKRC WLAC WLBZ WMAS WMBD
WMBG WMBR WNAX WNOX WOC
WOKO WORC WQAM WREC WSBT
WSJS WSMK WSPD WTCO

R — Leo Reisman and Orchestra
KDYL KFI KFSD KGHK KJL
KGW KHQ KOA KOMO KPO KTAR

WEDNESDAY

E-6:15 p.m., C-5:15, M-4:15, P-3:15
C — Bobby Benson, See Monday

E-6:45 p.m., C-5:45, M-4:45, P-3:45
C — Renfrew of Mounted, See Mon.
B — Lowell Thomas, See Monday

E-7:00 p.m., C-6:00, M-5:00, P-4:00
R — Amos 'n' Andy, See Monday
B — Easy Aces, See Tuesday

E-7:15 p.m., C-6:15, M-5:15, P-4:15
C — Popeye, see Monday
R — Uncle Ezra, See Monday

E-7:30 p.m., C-6:30, M-5:30, P-4:30
C — Goose Creek Parson, See Mon.
B — Lum and Abner, See Monday

E-7:45 p.m., C-6:45, M-5:45, P-4:45
C — Boake Carter, See Monday

E-8:00 p.m., C-7:00, M-6:00, P-5:00
C — Cavalcade of America

KDB KERN KFAB KFBK KPHY
KPRC KGB KHJ KLZ KMBC KMN
KMOX KOIN KOL KRLL KRNT
KSL KVI KWG WABC WBBM
WBNS WCAO WCAU WCCO WDAE
WEAN WFBL WFBM WGR WHS
WHEC WHK WJAS WJR WJSV
WKRC WLAC WMBG WNAC WOKO
WTOC WWL

B — Felles de Parre
KDKA KOIL KSO KWK WBAL
WBZ WBZA WCKY WFIL WGBR
WHAM WHIO WIRE WJZ WLZ
WMAL WMT WREN WSYR WXYZ

R — One Man's Family
KDYL KFI KFYR KGW KHQ KOA
KOMO KPO KPRC KSD KSTP

KTAR KTBS KTHS KVOO KYW
WAPI WAVE WBAP WBBN WCAE
WCSH WDAF WDAY WEAF WECB
WEEI WFAA WFBF WFLA WGY
WHO WIBA WIOD WIS WJAR
WJAX WJDX WKY WLW WMAQ
WMC WQAI WOW WPTF WRC
WRVA WSB WSM WSMB WSOB
WSUN WTAG WTAM WTTA WTTB
WTMJ WWJ WNNC

E-8:30 p.m., C-7:30, M-6:30, P-5:30
C — Burns and Allen

CKAC KFAB KFH KLRA KMBC
KMOX KOMA KRLL KRNT KSCJ
KTRH KTSA KTUL KWKH WABC
WADC WBBM WBNS WBRC WBT
WCAO WCAU WCCO WDAE WDBJ
WDBO WDRC WEAN WFBL WBBM
WFEA WGR WGST WHAS WHEC
WHK WHP WIBX WIBX WICC
WJAS WJR WJSV WKRC WLAC
WLBZ WMAS WMBD WMBG
WMBR WNAC WNAX WNOX WOKO
WORC WPG WQAM WREC WSPD
WWL

R — Wayne King, See Tuesday

B — Ethel Barrymore, Drama
KDKA KOIL KSO KWK WBAL WBZ
WBLA WENR WFIL WGAR WHAM
WJZ WMAL WMT WREN WSAI
WSYR WXYZ

E-9:00 p.m., C-8:00, M-7:00, P-6:00
C — Chesterfield Program

KDB KERN KFAB KFBK KFH
KPHY KPRC KGB KGKO KGBM
KHJ KLRA KLZ KMBC KMN
KMOX KOH KOIN KOL KOMA
KRLL KRNT KSCJ KSL KTRH
KTSA KTUL KVI KFOR KWG
KWKH WABC WACO WADC WALA
WBBM WBIG WBNS WBRC WBT
WCAO WCAU WCCO WCOO WDAE
WDBO WDRC WDNC WDOE WDRC
WEAN WFBL WFBM WFEA WGST
WHAS WHEC WHK WHP WIBX
WIBX WICC WISN WJAS WJR
WJSV WKBH WKBW WKRC WLAC
WLBZ WMAS WMBD WMBG
WMBR WNAC WNAX WNBFWNOX
WOC WOKO WORC WOWO WPG
WQAM WREC WSEA WSJS WSPD
WTOC WWL

R — Town Hall Tonight

KFYR KPRC KSD KSTP KTBS
KTHS KVOO KYW WAVE WBBN
WCAE WCSH WDAF WDAY WEAF
WECB WEEI WFAA WFBF WFLA
WGY WHO WIBA WIOD WIS WJAR
WJAX WJDX WKY WLW WMAQ
WMC WQAI WOW WPTF WRC WSB
WSM WSMB WSOB WTAG WTAM
WTTA WTTB WTTM WWJ WNNC

E-9:30 p.m., C-8:30, M-7:30, P-6:30
C — Come On, Let's Sing

KDB KERN KFAB KFBK KFH
KPHY KPRC KGB KGMB KHJ
KLRA KLZ KMBC KMN KMOX
KOIN KOL KOMA KRLL KRNT
KSL KTRH KTSA KTUL KVI KWG
KWKH WABC WBBM WBNS WBRC
WBT WCAO WCAU WCCO WDAE
WDBJ WDBO WDRC WEAN WFBL
WFBM WGST WHAS WHEC WHK
WICC WISN WJAS WJR WJSV
WKBW WKRC WLAC WLBZ WMBG
WMBR WNAC WOKO WORC WOWO
WQAM WREC WTOC WWL

E-10:00 p.m., C-9:00, M-8:00, P-7:00
C — Crime Crusade; Phil Lord

KDB KERN KFAB KFBK KFH

KPHY KPRC KGB KHJ KLRA KLZ
KMBC KMN KMOX KOIN KOL
KOMA KRLL KRNT KSL KTRH
KTSA KTUL KVI KWG KWKH
WABC WACO WBBM WBNS WBRC
WBT WCAO WCAU WCCO WDAE
WDBJ WDBO WDRC WEAN WFBL
WFBM WGST WHAS WHEC WHK
WICC WISN WJAS WJR WJSV
WKBW WKRC WLAC WLBZ WMBG
WMBR WNAC WOKO WORC WOWO
WQAM WREC WTOC WWL

R — Your Hit Parade

KDYL KEX KFI KFYR KGHK
KGIR KGU KGW KHQ KOA KOMO
KPO KPRC KSD KSTP KTAR
KTBS KTHS KVOO KYW WAVE
WCAE WOSC WCHS WDAF WDAY
WEAF WECB WFAA WFBF WFLA
WGY WHO WIBA WIOD WIS WJAR
WJAX WJDX WKY WLW WMAQ
WMC WNAC WQAI WOW WPTF
WRC WRVA WSB WSM WSMB
WSOC WSUN WSYR WTAG WTAM
WTTA WTTB WTTM WWJ WNNC

E-10:45 p.m., C-9:45, M-8:45, P-7:45
C — Goose Creek Parson, See Mon.

E-11:00 p.m., C-10:00, M-9:00, P-8:00
R — Amos 'n' Andy, See Monday

E-11:15 p.m., C-10:15, M-9:15, P-8:15
C — Renfrew of Mounted, See Monday

E-11:30 p.m., C-10:30, M-9:30, P-8:30
C — Dance Orchestra

CKAC KLRA WAAB WABC WADO
WALA WBRC WBT WCAO WCAU
WDAE WDBJ WDBO WDNC WDOI
WDRC WEAN WFBL WFBM WFEA
WGST WHAS WHEC WHK WICC
WJAS WJR WJSV WKBW WKRC
WLAC WLBZ WMBG WMBR WNOX
WOKO WORC WQAM WREC WSPD
WTOC

C — Burns and Allen

KDB KERN KFBK KPHY KPRC
KGB KHJ KLZ KMJ KOIN KOL
KSL KVI KFOR KWG

THURSDAY

E-6:15 p.m., C-5:15, M-4:15, P-3:15
C — News of Youth, See Tuesday

E-6:45 p.m., C-5:45, M-4:45, P-3:45
C — Renfrew of Mounted, See Mon.

B — Lowell Thomas, See Monday

E-7:00 p.m., C-6:00, M-5:00, P-4:00
R — Amos 'n' Andy, See Monday

B — Easy Aces, See Tuesday

E-7:15 p.m., C-6:15, M-5:15, P-4:15
C — Ted Husing, See Tuesday

R — Experience, See Tuesday

E-7:30 p.m., C-6:30, M-5:30, P-4:30
C — Judy Starr and Charleaters

KDB KERN KFAB KFBK KPHY
KPRC KGB KHJ KLZ KMJ KMOX
KOIN KOL KVI KWG WABC WBBM
WCAO WCAU WCCO WEAN WEEI
WFBL WFBM WGR WHEC WHK
WJAS WJR WJSV WKRC

B — Lum and Abner, See Monday

E-7:45 p.m., C-6:45, M-5:45, P-4:45
C — Boake Carter, See Monday

E-8:00 p.m., C-7:00, M-6:00, P-5:00
C — Kate Smith; Babe Ruth

KFAB KMBC KMOX KRLL KRNT
KTRH WABC WADC WBBM WBIG

THURSDAY (Continued)

WBNS WBRC WBT WCAO WCAU
WCCO WDAE WDBJ WDRG WEAN
WEEI WFBL WFBM WGR WGST
WHAS WHK WHP WIBX WLBZ
WJRW WJSV WKBN WKRC WLBB
WMAS WMBG WMBR WOC WOKO
WSPD WTOG WWL WWVA

R — Rudy Vallee's Variety Hour
CFBC CRCT KDYL KFI KFYR
KGW KHQ KOA KOMO KPO KSD
KSTP KTAR KYW WBBN WCAE
WCBS WDAF WDAY WEAF WEEB
WEEI WFBM WGY WHO WJAR
WLW WMAQ WOW WRC WTAM
WTIC WTMJ WWJ

E-9:00 p.m., C-8:00, M-7:00, P-6:00

C — Major Bowes' Amateurs
CFBR CKAC KDB KERN KFAB
KFBK KFH KFPY KFCR KGB
KGKO KLRA KLZ KMBC WMJ
KMOX KOIN KOL KOMA KRLL
KRNT KSCJ KSL KTRH KTSB
ETUL KVI KVOR KWG KWKH
WABC WACO WADC WALA WBBM
WBIG WBNS WBRC WBT WCAO
WCAU WCCO WCOA WDAE WDBJ
WDBO WDNC WDOF WDRG WEAN
WFBL WFBM WFEA WGST WHAS
WHCC WHK WHP WIBX WLBZ
WMBG WMBR WMBG WMBR
WMNN WMAN WMAN WOC WOKO
WORC WOWO WPG WQAM WREC
WSFA WSJS WSPD WTOG WWL

R — Maxwell House Show Boat

KDYL KFI KFSB KFYR KGHL
KGIR KWK KHQ KOA KOMO KPO
KPRC KSD KSTP KTAR KTBS
KYW WAPI WAVE WBBN WBBN
WCAE WCBS WDAF WDAY WEAF
WEEB WEEI WFBM WFLA WGY
WHO WHIO WIBA WIOD WIRE WIS
WJAR WJAX WJDX WKY WMAQ
WMC WOAI WOW WPTF WRC
WRVA WSAI WSB WSM WSMB
WWSO WTAG WTAM WTAR WTIC
WTMJ WWJ WWNC

E-10:00 p.m., C-9:00, M-8:00, P-7:00

C — Sears—Then and Now
KDB KERN KFAB KFBK KFBK
KFH KFPY KFCR KGB KGKO
KGMB KHJ KLRA KLZ KMBC
KMJ KMOX KOH KOIN KOL KOMA
KRLL KRNT KSCJ KSL KTRH
KTSB KTUL KVI KVOR KWG
KWKH WABC WACO WADC WALA
WBBM WBIG WBNS WBRC WBT
WCAO WCAU WCCO WCOA WDAE
WDBO WDBO WDNC WDOF WDRG
WEAN WEEI WFBL WFBM WFEA
WGST WHAS WHCC WHK WHP
WIBX WLBZ WMBG WMBR WMBR
WMBR WMNN WMAN WMAN WOC
WOKO WORC WOWO WPG WQAM
WREC WSBT WSAJ WSJS WSMK
WSPD WTOG WWL

R — Bing Crosby; Bob Burns

CFBC CRCT KDYL KFI KFYR
KGW KHQ KOA KOMO KPO KPRC
KSD KSTP KTAR KTBS KTHS
KVOR KYW WAVE WBBN WBBN
WCAE WCBS WDAF WDAY WEAF
WEEB WEEI WFBM WFLA WGY
WHO WIBA WIOD WIS WJAR
WJAX WJDX WKY WLW WMAQ

WMC WOAI WOW WPTF WRC
WRVA WSB WSM WSMB WSOB
WTAG WTAM WTAR WTIC WTMJ
WWJ WWNC

E-10:30 p.m., C-9:30, M-8:30, P-7:30

C — March of Time
KDB KERN KFAB KFBK KFPY
KFCR KGB KHJ KLZ KMJ KMOX
KOIN KOL KOMA KRNT KSL KVI
KWG WABC WBBM WBNS WCAO
WCAU WCCO WDRG WEAN WEEI
WFBL WFBM WGST WHAS WHCC
WHK WJAS WJR WJSV WKBW
WKRC WOKO WWL

E-11:00 p.m., C-10:00, M-9:00, P-8:00

C — Dance Orchestra
WAB WABC WADC WCAO WCAU
WFBL WHK WIBX WJSV WKBN
WKBW WLBZ WMAS WOKO WORC
WPG WSBT WSPD

R — Amos 'n' Andy, See Monday

E-11:15 p.m., C-10:15, M-9:15, P-8:15

C — Renfrew of Mounted, See Monday

FRIDAY

E-6:15 p.m., C-5:15, M-4:15, P-3:15

C — Bobby Benson, See Monday

E-6:45 p.m., C-5:45, M-4:45, P-3:45

C — Renfrew of Mounted, See Tues.

B — Lowell Thomas, See Monday

E-7:00 p.m., C-6:00, M-5:00, P-4:00

R — Amos 'n' Andy, See Monday

E-7:15 p.m., C-6:15, M-5:15, P-4:15

C — Popeye, See Monday

R — Uncle Ezra, See Monday

E-7:30 p.m., C-6:30, M-5:30, P-4:30

C — Goose Creek Parson, See Mon.

B — Lum and Abner, See Monday

E-7:45 p.m., C-6:45, M-5:45, P-4:45

C — Boake Carter, See Monday

E-8:00 p.m., C-7:00, M-6:00, P-5:00

C — Broadway Varieties
KDB KERN KFAB KFBK KFPY
KFCR KGB KHJ KLZ KMBC KMJ
KMOX KOIN KOL KOMA KRNT
KSL KVI KWG WABC WBBM
WBNS WBRC WBT WCAO WCAU
WCCO WDRG WEAN WFBL WFBM
WGR WGST WHAS WHK WJAS
WJR WJSV WKRC WMAS WMBG
WNAC WOKO WWL

R — Cities Service Concert

CRCT KFYR KOA KPRC KSD
KSTP KTBS KTHS KVOO KYW
WBBN WBBN WCAE WCBS WDAF
WDAY WEAF WEEB WEEI WFAA
WFBM WGY WHO WHIO WIBA
WIOD WJAR WKY WMAQ WOAI
WOW WRC WRVA WSAI WTAG
WTAM WTIC WTMJ WWJ

B — Irene Rich; Drama

KDKA KDYL KFI KGW KHQ KOIL
KOMO KPO KSO KTAR KWK WAVE
WBAL WBZ WBZA WCKY WPIL
WGAR WHAM WIRE WJZ WIS
WMAL WMC WMT WREN WSB
WSM WSYR WXYZ

E-8:15 p.m., C-7:15, M-6:15, P-5:15

C — Singin' Sam

KDKA KOIL KSO KWK WBAL
WBZ WBZA WFIL WGAR WHAM
WJZ WLS WMAL WMT WREN
WSYR WXYZ

E-8:30 p.m., C-7:30, M-6:30, P-5:30

C — Andre Kostelanetz
KDB KERN KFAB KFBK KFH
KFPY KFCR KGB KGKO KGMB
KHJ KLRA KLZ KMBC KMJ KMOX
KOH KOIN KOL KOMA KRLL
KRNT KSCJ KSL KTRH KTSB
KTUL KVI KVOR KWG KWKH
WABC WACO WADC WALA WBBM
WBIG WBNS WBRC WBT WCAO
WCAU WCCO WCOA WDAE WDBJ
WDBO WDNC WDOF WDRG WEAN
WFBL WFBM WFEA WGST WHAS
WHCC WHK WHP WIBX WLBZ
WICC WISN WJAS WJR WJSV
WKBW WKRC WLAC WLBZ WMAS
WMBD WMBG WMBR WNBC
WNAX WNBG WNOX WOC WOKO
WORC WOWO WPG WQAM WREC
WSFA WSJS WSMK WSPD WTOG
WWL

B — Death Valley Days

KDKA KDYL KFI KGW KHQ
KOIL KOMO KPO KSO KWK WBAL
WBZ WBZA WFIL WGAR WHAM
WJZ WLS WLW WMAL WMT
WREN WSYR WXYZ

E-9:00 p.m., C-8:00, M-7:00, P-6:00

C — Hollywood Hotel
CFBR CKAC KDB KERN KFAB
KFBK KFH KFPY KFCR KGB KHJ
KLRA KLZ KMBC KMJ KMOX
KOIN KOL KOMA KRLL KRNT
KSCJ KSL KTRH KTSB KTUL KVI
KVOR KWG KWKH WABC WADC
WBBM WBNS WBRC WBT WCAO
WCAU WCCO WDAE WDBJ WDBO
WDRG WEAN WFBL WFBM WFEA
WGST WHAS WHCC WHK WHP
WIBX WLBZ WMBG WMBR WMBR
WMAN WMAN WMAN WOC WORC
WPG WQAM WREC WSPD WWL

R — Frank Munn; Bernice Claire

KSD KYW WBBN WCAE WCBS
WDAF WEAF WEEI WFBM WGY
WJAR WLW WMAQ WOW WRC
WTAG WTAM WWJ

B — Fred Waring

KDKA KDYL KFYR KOA KOIL
KPRC KSO KSTP KTBS KWK
WAPI WAVE WBAL WBZ WBZA
WDAY WEBC WFAA WFIL WFLA
WGAR WHAM WIBA WIOD WIS
WJAX WJDX WJZ WKY WLS WLW
WMAL WMC WMT WOAI WOOD
WPTF WREN WRVA WSB WSM
WSMB WSOB WSWN WSYR WTAR
WTMJ WWNC WXYZ

E-9:30 p.m., C-8:30, M-7:30, P-6:30

R — True Story Court

KSD KYW WBBN WCAE WCBS
WEAF WEEI WFBM WGY WHO
WHIO WJAR WMAQ WOW WRC
WTAG WTAM WTIC WWJ

B — Rosemarie Brancato; Helen Claire

KDKA KECA KFSB KFYR KGA
KGHL KGIR KGO KJR KLO KOIL
KPRC KSO KSTP KTAR KTBS
KTHS KWK WABY WAPI WAVE
WBAL WBZ WBZA WCKY WCSB
WDAY WEBC WBRB WENR WFAA
WFBM WFIL WFLA WGAR WHAM
WIBA WIOD WIRE WIS WJAX
WJDX WJZ WKY WMAL WMC
WMT WOAI WOOD WPTF WREN
WRVA WSB WSM WSMB WSOB
WSUN WSYR WTAR WTMJ WWNC
WXYZ

FRIDAY (Continued)

E-10:00 p.m., C-9:00, M-8:00, P-7:00

R — First Nighter; Drama
KDYL KFI KYR KGW KHQ KOA
KOMO KPO KPRC KSD KSTP
KTBS KTHS KYW WAVE WBBN
WCAE WCHS WDAF WDAY WFAF
WEBC WEEI WFAA WFRB WFLA
WGY WHO WIBA WIOD WIS WJAR
WJAX WJDX WKY WLW WMAQ
WMC WPTF WRC WRVA WSB
WSM WSMB WSOC WTAT WTAR
WTAT WTIC WTMJ WWJ WNNC

B — Your Radio Guide

CRCT KDKA KOIL KSO KWK
WBAL WBZ WBZA WENR WFIL
WGAR WHAM WIRE WJZ WMAL
WMT WREN WSYR WXYZ

E-10:30 p.m., C-9:30, M-8:30, P-7:30

R — "Red" Grange, Football
KDYL KFI KYR KOA KPRC KSD
KSTP KTBS KYW WAVE WBBN
WCAE WCKY WCHS WDAF WDAY
WFAF WEBC WEEI WFAA WFRB
WFLA WGY WHO WIBA WIOD
WIRE WIS WJAR WJAX WJDX
WKY WMAQ WMC WOAI WOW
WPTF WRC WRVA WSB WSMB
WSOC WTAT WTAM WTAR WTIC
WTMJ WWJ WNNC

E-11:00 p.m., C-10:00, M-9:00, P-8:00

R — Ames 'n' Andy, See Monday

E-11:15 p.m., C-10:15, M-9:15, P-8:15

C — Dance Orchestra
CFRB CKAC KLRA KSCJ WAAB
WABC WADC WALA WBNS WBRC
WBT WCAO WCAU WDAE WDBJ
WDBO WDNC WDDC WDRC WFLA
WFEA WGST WHEC WHK WIBX
WISN WJAS WJR WKBW WLAC
WLZB WMAS WMBD WMBG
WMBR WNAX WNOX WOC WOKO
WORC WPG WQAM WREC WSBT
WSJS WSMK WSPD WTCO

C — Renfrew of Mounted, See Mon.

SATURDAY

E-6:15 p.m., C-5:15, M-4:15, P-3:15

C — News of Youth, See Tuesday

E-6:30 p.m., C-5:30, M-4:30, P-3:30

C — Royal Football Talks
KGB KMOX WAAB WABC WBBM
WCAU WHAS WHK WJAS WJR
WKBW

E-6:45 p.m., C-5:45, M-4:45, P-3:45

C — Saturday Swing Club

CFRB CKAC KFBB KFH KGB KLZ
KMBC KNOW KOH KRLD KSL
KTRH KTSa KYOR KWKH WABC
WACO WADC WALA WBNS WCAO
WDAE WDBJ WDBO WDNC WDRC
WEEI WFBL WFBM WFEA WHAS
WHEC WHK WIBX WICM WJAS
WLZB WMBG WMBR WMMN WOC
WOKO WORC WQAM WSBT WSJS
WSPD

E-7:00 p.m., C-6:00, M-5:00, P-4:00

R — Harold "Red" Grange

KDYL KFI KYR KOA KPRC KSD
KSTP KTBS KYW WAVE WBBN
WCAE WCKY WCHS WDAF WDAY
WFAF WEBC WEEI WFAA WFRB
WFLA WGY WHO WIBA WIOD
WIRE WIS WJAR WJAX WJDX
WKY WMAQ WMC WOAI WOW
WPTF WRC WRVA WSB WSMB

WSOC WTAT WTAM WTAR WTIC
WTMJ WWJ WNNC

E-7:15 p.m., C-6:15, M-5:15, P-4:15

C — Ted Husing, See Tuesday

E-7:30 p.m., C-6:30, M-5:30, P-4:30

C — Carburandum Band, list of stations not available.

E-8:00 p.m., C-7:00, M-6:00, P-5:00

C — Columbia Workshop; Drama

CFRB CKAC KFAB KFH KFRK
KLRA KMBC KMOX KOMA KRNT
KTRH KTSa KTUL KWKH WABC
WBBM WBNS WBRC WBT WCAO
WCAU WCCO WDAE WDBJ WDBO
WDRC WEAN WFBL WFBM WGR
WGST WHAS WHEC WHK WHP
WICC WISN WJAS WJR WJSV
WKRC WLAC WLZB WMBG WMBR
WNOX WOKO WORC WQAM WREC
WTCO WWL

R — Saturday Night Party

KSD KYW WAPI WAVE WBBN
WCAE WCKY WCHS WDAF WFAF
WFRB WFLA WGY WHO WIOD
WIS WJAR WJAX WJDX WMAQ
WMC WNAC WOW WPTF WRC
WSB WSMB WSOC WSUN WTAT
WTAM WTAR WTIC WWJ WNNC

B — Ed Wynne, coming

E-8:30 p.m., C-7:30, M-6:30, P-5:30

C — Ed Thorgersen

CKAC KDB KERN KFAB KFBK
KFY KFRK KGB KHJ KLZ
KMBC KMJ KMOX KOIN KOL
KOMA KRLD KRNT KSL KTRH
KTSa KTUL KVI KWG WABC
WBBM WBRC WBT WCAO WCAU
WCCO WDAE WDBJ WDBO WDRC
WEAN WFBL WFBM WGR WGST
WHAS WHEC WHK WISN WJAS
WJR WJSV WKRC WLAC WMBG
WMBR WOKO WORC WQAM WREC
WWL

E-9:00 p.m., C-8:00, M-7:00, P-6:00

C — Floyd Gibbons; Vincent Lopez

KDB KERN KFAB KFBK KFY
KFRK KGB KHJ KLRA KLZ KMBC
KMI KMOX KOIN KOL KOMA
KRLD KRNT KSL KTRH KTSa
KVI KWG WABC WBBM WBNS
WBT WCAO WCAU WCCO WDAE
WDBO WDRC WEAN WFBL WFBM
WGST WHAS WHK WISN WJAS
WJR WJSV WKBW WKRC WMBR
WOKO WQAM WREC WSPD WWL

R — Snow Village Sketches

KSD KYW WBBN WCAE WCHS
WDAF WFAF WFRB WGY WJAR
WMAQ WNAC WOW WRC WTAT
WTAM WTIC WWJ

B — National Barn Dance

KDKA KOIL KPRC KSO KTBS
KTHS KWK WABY WAPI WAVE
WBAL WBAW WBZ WBZA WFIL
WFLA WGAR WHAM WIOD WIRE
WIS WJAX WJDX WJZ WKY WLS
WMAL WMC WMT WOAI WOW
WPTF WREN WRVA WSB WSMB
WSOC WSUN WSYR WTAR WNNC
WXYZ

E-9:30 p.m., C-8:30, M-7:30, P-6:30

C — Mary Eastman; Gus Haenschel

KDB KERN KFAB KFBK KFH
KFY KFRK KGB KGKO KHJ
KLRA KLZ KMBC KMI KMOX
KOIN KOL KOMA KRLD KTRH
KTSa KTUL KVI KWG KWKH
WALA WBBM WBIG WBNS WBRC
WBT WCAO WCAU WDAE WDBO

WDDO WEAN WFBL WFBM WGST
WHAS WHEC WHK WJAS WJR
WJSV WKBW WLAC WMBD WMBR
WNOX WOC WQAM WWRB WSPA
WSPD WTCO WWL WWVA

R — Shell Chateau

KDYL KFI KFSB KFYR KGH
KGR KGW KHQ KOA KOMO KPO
KBD KSTP KTR KTR KYW WBBN
WCAE WCHS WDAF WDAY WFAF
WEBC WEEI WFRB WGY WIBA
WJAR WLW WMAQ WOW WRC
WTAT WTAM WTIC WTMJ WWJ

E-10:00 p.m., C-9:00, M-8:00, P-7:00

C — Your Hit Parade

KERN KFAB KFBK KFH KFPY
KFRK KGB KGKO KGMB KHJ
KLRA KLZ KMBC KMI KMOX
KOH KOIN KOL KOMA KRLD
KRNT KSCJ KSL KTRH KTSa
KTUL KVI KFOR KWG KWKH
WABC WACO WADC WALA WBBM
WBIG WBNS WBRC WBT WCAO
WCAU WCCO WCOA WDAE WDBJ
WDBO WDNC WDDC WDRC WEAN
WFBL WFBM WFEA WGST WHAS
WHEC WHK WHP WIBW WIBX
WICC WISN WJAS WJR WJSV
WKBW WKRC WLAC WLZB WMAS
WMBD WMBG WMBR WNAC
WNAX WNOX WOC WOKO WORC
WPG WQAM WREC WSBT WSPA
WSJS WSPD WTCO WWL WWVA

E-10:30 p.m., C-9:30, M-8:30, P-7:30

R — Ervin S. Cobb

KDYL KFI KFYR KGH KGR
KGW KHQ KOA KOMO KPO KPRC
KBD KSTP KTR KTBS KTHS
KVOD KYW WAVE WBAF WBBN
WCAE WCHS WDAF WDAY WFAF
WEBC WFRB WFLA WGY WIBA
WIOD WIS WJAR WJAX WJDX
WKY WMAQ WMC WNAC WOOD
WOW WPTF WRC WRVA WSB
WSM WSOC WSUN WTAT WTAM
WTAR WTIC WTMJ WWJ WNNC

E-11:00 p.m., C-10:00, M-9:00, P-8:00

C — Dance Orchestra

CFRB CKAC KFH KGKO KLRA
KLZ KMBC KMOX KOMA KRLD
KSCJ KSL KTRH KTSa KFOR
KWKH WABC WACO WADC WALA
WBBM WBNS WBRC WBT WCAO
WCAU WCCO WDAE WDBJ WDBO
WDNC WDDC WDRC WFBL WFBM
WFEA WGST WHAS WHEC WHK
WIBW WIBX WICC WISN WJAS
WJR WJSV WKBW WKRC WLAC
WLZB WMAS WMBD WMBG
WMBR WNAX WNOX WOC WOKO
WORC WQAM WREC WSBT WSJS
WSMK WSPD WTCO

B — National Barn Dance

KDYL KFI KFSB KFYR KGH
KGR KGU KGW KHQ KOA KOMO
KPO KSTP KTR KTR WDAY WEBC
WIBA WLW WTMJ

E-11:30 p.m., C-10:30, M-9:30, P-8:30

C — Dance Orchestra

CFRB CKAC KFH KGKO KLRA
KLZ KMBC KMOX KOMA KSL
KTRH KTSa KFOR KWKH WABC
WACO WADC WALA WBNS WBRC
WBT WCAO WCAU WDAE WDBJ
WDBO WDNC WDDC WDRC WEAN
WFBL WFBM WFEA WGST WHAS
WHEC WHK WIBW WIBX WICC
WJAS WJR WKBW WKRC WLAC
WLZB WMAS WMBG WMBR WNOX
WOKO WORC WQAM WREC WSBT
WSJS WSMK WSPD WTCO

SUNDAY

E-11:30 a.m., C-10:30, M-9:30, P-8:30
C — Major Bowes' "Family"
 CFRB KERN KFAB KFBK KFBK
 KFH KFPY KFCR KGB KGOV
 KMBC KOH KOL KRLD KSL KTRH
 KTSB KVI KVR KVG KWKH
 WABC WACO WADC WALA WBNS
 WBRC WCAO WCCO WDAE WDBJ
 WDBO WDNC WESG WFBL WFEA
 WHAS WHK WIBX WJAS WJR
 WKRC WLBY WMBD WMBR
 WMMN WOC WOKO WORC WQAM
 WQAM WSBT WSJS WSPD WTC

E-12:30 p.m., C-11:30 a.m., M-10:30, P-9:30

C — Salt Lake Tabernacle Choir
 CFRB KFAB KFBK KFBK KFH
 KFPY KFCR KGB KLZ KOH KOL
 KRLD KSL KTRH KTSB KVI
 KVR KVG WABC WACO WADC
 WALA WBIG WBNS WBRC WCAO
 WCCO WDAE WDBJ WDBO WESG
 WFBL WFEA WGR WHAS WICC
 WJAS WJR WKRC WLBY WMBR
 WMMN WOC WOKO WORC WQAM
 WSBT WSJS WSPD WTC

B — Radio City Music Hall
 CFCE CRCT KDKA KDYL KFI
 KFYR KGO KGW KHQ KOIL KOMO
 KPRC KSO KVOO WAPI WBAL
 WBZ WBZA WCKY WDAY WEBE
 WGR WHAM WIS WJDX WJZ
 WKY WMAL WOAI WREN WSMB
 WSYR WYNN

E-12:45 p.m., C-11:45 a.m., M-10:45, P-9:45

C — Trans-Atlantic Broadcast
 CFRB KCAC KFH KGO KLA
 KLZ KMBC KRLD KSCJ KTRH
 KTSB KVR WABC WACO WADC
 WALA WBIG WBNS WCAO WCAU
 WCCO WDAE WDBJ WDBO WDRB
 WEAN WESG WFBL WFBM WFEA
 WGR WHAS WIBX WJAS WJSV
 WKBN WLAC WLBY WMBD WMBR
 WNAC WOC WOKO WORC WPG
 WQAM WREC WSJS WSMK WSPD
 WTCO WWL

E-1:00 p.m., C-12:00, M-11:00, P-10:00
C — Church of the Air
 KFBK KFH KFPY KFCR KGB
 KFH KMOX KOH KOL KOMA KRLD
 KENT KSCJ KSL KTRH KTSB
 KVI KVR KVG WABC WALA
 WBNS WBT WCAO WCCO WDAE
 WDBJ WDBO WDRB WESG WFBL
 WFBM WGR WHAS WHP WIBX
 WJAS WJSV WKBN WKRC WLAC
 WLBY WMBR WMBF WOC WOKO
 WORB WPG WQAM WREC WSBT
 WSJS WSPD WTCO WWVA

E-2:00 p.m., C-1:00, M-12:00, P-11:00
C — Pittsburgh Symphony
 KFAB KLA KLZ KMBC KMOX
 KOMA KRLD KRNT KTRH KTSB
 KTUL KWKH WABC WADC WBBM
 WBNS WBRC WBT WCAO WCAU
 WCCO WDAE WDBJ WDBO WDRB
 WEAN WFBL WFBM WGST WHAS
 WHEC WHK WIBX WISN WJAS
 WJR WJSV WKBW WKRC WLAC
 WMBG WMBR WMMN WNAC
 WNOX WOC WOKO WQAM WREC
 WTCO WWL

B — Magic Key of RCA
 CFCE CRCT KDKA KDYL KFI
 KFYR KGU KGW KHQ KOA KOL
 KOMO KPO KPRC KSO KSTP

KTBS KTHS KVOO KWK WAPI
 WAVE WBAL WBZ WBZA WCKY
 WDAY WEBC WENR WFAP WFIL
 WFLA WGAR WHAM WHIO WIBA
 WIOD WIRE WIS WJAX WJDX
 WJZ WKY WMAL WMC WMT
 WOAI WPTF WREN WRVA WSB
 WSM WSMB WSOX WSYR WTAZ
 WTMJ WYNN WXYZ

E-3:00 p.m., C-2:00, M-1:00, P-12:00
R — Metropolitan Auditions
 CFCE KDYL KFI KFYR KGW KHQ
 KOA KOMO KPO KSD KSTP KTAZ
 KYW WAPI WAVE WBN WCAE
 WCKY WCHS WDAF WDAY WEAF
 WEBC WFBW WGY WHO WIBA
 WJAS WJR WJAX WMAQ WMC
 WNAZ WOV WRC WSB WSMB WSMW
 WTAG WTAM WTC WTMJ WWJ

E-3:30 p.m., C-2:30, M-1:30, P-12:30
R — Grand Hotel; Drama
 KDYL KFI KFYR KGW KHQ KOA
 KOMO KPO KSD KSTP KYW
 WBN WCAE WCHS WDAF WDAY
 WEAF WEBC WFBW WGY WHO
 WIBA WJAS WMAQ WNAZ WOV
 WRC WSAI WTAG WTAM WTC
 WWJ

E-5:00 p.m., C-4:00, M-3:00, P-2:00
C — Your Unseen Friend; Drama
 KFAB KLZ KMOX KSL KWKH
 WABC WADC WBBM WBNS WCAO
 WCAU WCOA WDAE WDBJ WDOB
 WDRB WEAN WEEI WESG WFBL
 WHAS WHEC WHK WHP WIBX
 WJAS WJR WKBW WKRC WLAC
 WLBY WMAZ WMBG WMMN
 WNOX WOKO WORC WOV WQAM
 WREC WSMK WSPD WWL WWVA

R — Marion Talley, Soprano
 KDYL KFI KFYR KGW KHQ KOA
 KOMO KPO KSTP KYW WBN
 WCAE WCHS WDAF WDAY
 WEAF WEBC WFBW WGY WHO
 WIBA WJAS WMAQ WNAZ WOV
 WRC WSAI WTAG WTAM WTC
 WWJ

B — We, The People; Phil Lord
 KDKA KECA KEX KFSB KGA
 KGHZ KGR KGO KJR KLO KOIL
 KPRC KSO KTBS KTHS KVOO
 KWK WABY WAPI WAVE WBAL
 WBAP WBZ WBZA WEBR WENR
 WFIL WFLA WGAR WHAM WIOD
 WIS WJAX WJDX WJZ WKY WLW
 WMAL WMC WMT WOAI WPTF
 WREN WRVA WSB WSM WSMB
 WSOX WSN WSYR WTAZ WYNN
 WXYZ

E-5:30 p.m., C-4:30, M-3:30, P-2:30
C — Guy Lombardo and Orchestra
 KFH KMBC KMOX KOMA KTUL
 WAAB WABC WBNS WCAO WCAU
 WDRB WEAN WFBL WFBM WGR
 WHAS WHEC WHK WIBX WICC
 WJR WJSV WMAZ WOKO WORC
 WSPD WWVA

R — Smiling Ed McConnell
 KDYL KFI KFYR KGR KGW KHQ
 KOMO KPO KSTP KYW WBN
 WCAE WCHS WDAF WDAY WEAF
 WEBC WFBW WGY WHO WIBA
 WJAS WJR WMAQ WNAZ WOV
 WRC WTAG WTAM WTC WTMJ
 WWJ

B — Stoopnagle and Budd
 KDKA KECA KEX KFSB KGA
 KGO KJR KLO KOIL KSO KWK
 WBAL WBZ WBZA WCKY WENR

WFIL WGAR WHAM WHIO WIRE
 WJZ WMAL WMT WREN WBYR
 WXYZ

E-6:00 p.m., C-5:00, M-4:00, P-3:00
C — Joe Penner; Jimmy Grier
 KDB KERN KFAB KFBK KFPY
 KFCR KGB KHJ KLZ KMBC KMJ
 KMOX KOIN KOL KOMA KRLD
 KSL KTRH KTSB KVI KVG WABC
 WBBM WBNS WBT WCAO WCAU
 WCCO WDAE WDRB WEAN WFBL
 WFBM WGST WHAS WHEC WHK
 WJAS WJR WJSV WKBW WKRC
 WMBG WMBR WOKO WQAM WWL

E-6:30 p.m., C-5:30, M-4:30, P-3:30
C — Rubinoff and His Violin
 KDB KERN KFAB KFBK KFBK
 KFH KFPY KFCR KGB KGO KKH
 KLA KLZ KMJ KMOX KOH KOIN
 KOL KOMA KRLD KRNT KSCJ
 KSL KTRH KTSB KTUL KVI KVR
 KVG KWKH WABC WACO WADC
 WALA WBBM WBIG WBNS WBRC
 WBT WCAO WCAU WCCO WCOA
 WDAE WDBJ WDBO WDNC WDOB
 WDRB WEEI WFBL WFBM WFEA
 WGST WHAS WHEC WHK WHP
 WIBW WIBX WISN WJAS WJR
 WJSV WKBW WKBW WKRC WLAC
 WLBY WMAZ WMBD WMBG
 WMBR WNAZ WNOX WOC WOKO
 WORC WPG WQAM WREC WSBT
 WSAI WSJS WSMK WSPD WTCO
 WWL WWVA

R — A Tale of Today
 WBN WEAF WGY WJAR WMAQ
 WOV WRC WTAM

E-7:00 p.m., C-6:00, M-5:00, P-4:00
R — Jack Benny; Mary Livingstone
 KSD KYA KYW WBN WCAE
 WCHS WDAF WEAF WFBW WGY
 WHO WJAR WLW WMAQ WNAZ
 WOV WRC WTAG WTAM WTC
 WWJ

E-7:30 p.m., C-6:30, M-5:30, P-4:30
C — Phil Baker; Hal Kemp
 KLA KLZ KRLD KTRH KTSB
 KTUL KWKH WABC WACO WADC
 WALA WBIG WBNS WBRC WBT
 WCAO WCAU WCOA WDAE WDBJ
 WDBO WDNC WDOB WDRB WEAN
 WFBL WFBM WFEA WGR WGST
 WHAS WHEC WHK WHP WIBX
 WICC WJAS WJR WJSV WKBW
 WKRC WLAC WLBY WMAZ WMBR
 WNAZ WNOX WOKO WORC WQAM
 WREC WSBT WSAI WSJS WSMK
 WSPD WTCO WWL WWVA

R — Fireside Recitals
 KSD KYW WBN WCAE WCHS
 WDAF WEAF WFBW WGY WHO
 WIRE WJAR WMAQ WOV WRC
 WSAI WTAG WTAM WTC WWJ

B — Ozzie Nelson; Bob Ripley
 KDKA KOIL KPRC KSO KTBS
 KTHS KVOO KWK WAPI WAVE
 WBAL WBAP WBZ WBZA WCKY
 WFIL WGAR WHAM WHIO WIRE
 WJDX WJZ WKY WLS WMAL WMC
 WMT WOAI WREN WSB WSM
 WSMB WSYR WXYZ

E-7:45 p.m., C-6:45, M-5:45, P-4:45
R — Sunset Dreams; Morin Sisters
 CFCE CRCT KSD KYW WBN
 WCAE WCHS WDAF WEAF WFBW
 WGY WHO WHIO WIRE WJAR
 WLW WMAQ WOAI WOOD WOV
 WRC WTAG WTAM WTC WWJ

SUNDAY (Continued)

E-8:00 p.m., C-7:00, M-6:00, P-5:00

C — Nelson Eddy; Franca White

KDB KERN KFAB KFBK KFH
KFPY KFRG KGB KHJ KLRA KLZ
KMBC KMJ KMOX KOIN KOL
KOMA KRLD KRNT KSCJ KSL
KTRH KTSa KTUL KWKH WABC
WADC WAla WBBM WBIG WBNS
WBRC WBT WCAO WCAU WCCO
WDAE WDBJ WDDB WDOO WDRC
WEAN WFBL WFBM WFEA WGR
WGST WHAS WHEC WHK WHP
WIBW WIBX WICC WISN WJAS
WJR WJSV WKBN WKRC WLAC
WLBZ WMAS WMBD WMBR
WNAX WNOX WOC WOKO WORC
WQAM WREC WSBT WSFA WSMK
WTOC WWL WWVA

R — Good Will Court

CFCH CRCT KDYL KFI KFYR
KGW KHQ KOA KOMO KPO KPRC
KSD KSTP KTAR KTBS KTHS
KYOO KYW WAPI WAVE WBBN
WCAE WCHS WDAF WDAY WEAF
WEBC WFAA WFRB WFLA WGY
WHO WIBA WIOD WIS WJAR
WJAX WJDX WKY WLW WMAQ
WMC WNAC WOAI WOW WPTF
WRC WRVA WSB WSM WSMB
WSOC WSUN WTAG WTAM WTAR
WTIC WTMJ WWJ WWNC

E-8:00 p.m., C-7:30, M-6:30, P-5:30

C — Eddie Cantor; Bobby Breen

KFAB KFH KGKO KLRA KMBC
KMOX KOMA KRLD KRNT KSCJ
KTRH KTSa KTUL KWKH WABC
WADC WAla WBBM WBIG WBNS
WBRC WBT WCAO WCAU
WCCO WCOA WDAE WDBJ WDOO
WDNC WDOO WDRC WEAN
WFBL WFBM WFEA WGR WGST
WHAS WHEC WHK WHP WIBW
WIBX WICC WISN WJAS WJR
WJSV WKBN WKRC WLAC WLBZ
WMAS WMBD WMBR WMNN
WNAX WNOX WOC WOKO WORC
WQAM WREC WSBT WSFA WSJS
WSMK WSPD WTOC WWL WWVA

E-9:00 p.m., C-8:00, M-7:00, P-6:00

R — Manhattan Merry-Go-Round

CFCH KDYL KFI KFYR KGW
KHQ KOA KOMO KPO KPRC KSD
KSTP KTBS KTHS KYW WAVE
WBEN WCAE WKY WCHS WDAF
WDAY WEAF WEBC WEEI WFAA
WFRB WFLA WGY WHO WHIO

WIBA WIOD WIRE WIS WJAR
WJAX WJDX WKY WMAQ WMC
WOAI WOW WPTF WRC WRVA
WSB WSM WSMB WSOB WTAG
WTAM WTAR WTIC WTMJ WWJ
WWNC

C — Ford Sunday Evening Hour

CFRB CKAC KDB KERN KFAB
KFBK KFH KFPY KFRG KGB
KGKO KHJ KLRA KLZ KMBC
KMN KMOX KOH KOIN KOL KOMA
KRLD KRNT KSCJ KSL KTRH
KTSa KTUL KVI KFOR KWG
KWKH WABC WACO WADC WAla
WBBM WBIG WBNS WRC WBT
WCAO WCAU WCCO WCOA WDAE
WDBJ WDOO WDNC WDOO WDRC
WEAN WFBL WFBM WFEA WGR
WGST WHAS WHEC WHK WHP
WIBW WIBX WICC WISN WJAS
WJR WJSV WKBN WKRC WLAC
WLBZ WMAS WMBD WMBR WNAC
WNAX WOC WOKO WORC WQAM
WREC WSBT WSFA WSJS WSPD
WTOC WWL WWVA

B — Walter Winchell

KDKA KECA KEX KFSD KGA
KGHL KGIR KGO KJR KLO KOIL
KSO KTAR KWK WBAL WBZ WBZA
WENR WFIL WGAR WHAM WJZ
WLW WMAL WMT WREN WSYR
WXYZ

E-9:15 p.m., C-8:15, M-7:15, P-6:15

B — Paul Whiteman's Varieties

KDKA KECA KFSD KGA KGHL
KGIR KGU KJR KLO KOIL KSO
KTAR KWK WBAL WBZ WBZA
WENR WFIL WGAR WHAM WJZ
WLW WMAL WMT WREN WSYR
WXYZ

E-9:30 p.m., C-8:30, M-7:30, P-6:30

R — Album of Familiar Music

CFCH CRCT KDYL KFI KFYR
KGW KHQ KOA KOMO KPO KPRC
KSD KSTP KTBS KYW WAPI
WAVE WBEN WCAE WCHS WDAF
WDAY WEAF WEBC WEEI WFAA
WFRB WFLA WGY WHO WHIO
WIBA WIOD WIS WJAR WJAX
WJDX WKY WMAQ WMC WOAI
WOW WPTF WRC WRVA WSAI
WSB WSM WSMB WSOB WTAG
WTAM WTAR WTMJ WWJ WWNC

E-10:00 p.m., C-9:00, M-8:00, P-7:00

C — Gillette Community Sing

CFRB CKAC KDB KERN KFBK

KFBB KFBK KFH KFPY KFRG
KGB KGKO KGMB KGVO KHJ
KLRA KLZ KMBC KMJ KMOX
KOH KOIN KOL KOMA KRLD
KRNT KSCJ KSL KTRH KTSa
KTUL KVI KFOR KWG KWKH
WABC WACO WADC WAla WBBM
WBIG WBNS WBRB WBT WCAO
WCAU WCCO WCOA WDAE WDBJ
WDBO WDNC WDOO WDRC WEAN
WFBL WFBM WFEA WGST WHAS
WHEC WHK WHP WIBW WIBX
WICC WISN WJAS WJR WJSV
WKBN WKBW WKRC WLAC WLBZ
WMAS WMBD WMBG WMBR
WMNN WNAC WNAX WNOX WOC
WOKO WORC WOWO WPG WQAM
WREC WSBT WSFA WSJS WSMK
WSPD WTOC WWL

R — General Motors Concert

CFCH CRCT KDYL KFI KFYR
KGHL KGIR KGW KHQ KOA
KOMO KPO KPRC KSTP KTAR
KTBS KTHS KYW WAPI WAVE
WBEN WCAE WKY WCHS WDAF
WDAY WEAF WEBC WFAA WFRB
WFLA WGY WHO WHIO WIBA
WIOD WIRE WIS WJAR WJAX
WJDX WKY WMAQ WMC WNAC
WOAI WOOD WOW WPTF WRC
WRVA WSB WSM WSMB WSOB
WSUN WTAG WTAM WTAR WTIC
WTMJ WWJ WWNC

B — Edwin C. Hill

KDKA KECA KFSD KGA KGO
KJR KLO KOIL KSO KWK WBAL
WBZ WBZA WENR WFIL WGAR
WHAM WJZ WLW WMAL WMT
WREN WSYR WXYZ

E-11:00 p.m., C-10:00, M-9:00, P-8:00

R — Sunset Dreams; Morin Sisters

KDYL KFI KFSD KGW KHQ KOA
KOMO KPO KPRC KTAR KTBS
KTHS WBAF WDAF WKY

E-11:15 p.m., C-10:15, M-9:15, P-8:15

B — Walter Winchell

KDYL KFI KFSD KGHL KGIR
KGW KHQ KOA KOMO KPO KPRC
KTAR KTBS KTHS WAPI WAVE
WBAF WJDX WKY WMC WOAI
WSB WSM WSMB

E-11:30 p.m., C-10:30, M-9:30, P-8:30

B — Paul Whiteman's Musical Varieties

KECA KEX KFSD KGA KGO KJR
KPRC KTBS KTHS WAPI WAVE
WBAF WJDX WKY WMC WOAI
WSB WSM WSMB

CLASSIFIED INDEX TO CHAIN PROGRAMS

Time in Eastern Standard

C—Columbia; R—National (Red); B—National (Blue)

CONCERTS

Frank Black, 2 p.m. Sun., B
Rosario Bourdon, 8 p.m. Fri., R
Ford Concert, 9 p.m. Sun., C
Metropolitan Auditions, 3 p.m. Sun., R
General Motors Concert, 10 p.m. Sun., R
Pittsburgh Symphony, 2 p.m. Sun., C
Radio City Music Hall, 12:30 p.m. Sun., B
Don Voorhees, 8 p.m. Wed., C

DANCE BANDS

Vietor Arden, 8 p.m. Wed., B; 8 p.m. Fri., C
Ben Bernie, 9:00 p.m. Tues., B
Bunny Berigan, 6:45 p.m. Sat., C
Ray Block, 10:30 p.m. Mon., R

Jimmie Dorsey, 10 p.m. Thurs., R
Al Goodman, 9 and 11:15 p.m. Thurs., R
Benny Goodman, 9:30 p.m. Tues., C
Johnny Green, 9:30 p.m. Tues., R
Jimmy Grier, 6 p.m. Sun., C
Gus Haenschen, 9:30 p.m. Sat., C
Horace Heidt, 8 p.m. Mon., C
Richard Himber, 9:30 p.m. Mon., R
Hal Kemp, 7:30 p.m. Sun., C
Henry King, 8:30 and 11:30 p.m. Wed., C
Wayne King, 8:30 p.m. Tues. and Wed., R. 10 p.m.
Mon., C
Andre Kostelanetz, 9 p.m. Wed., C and 8:30 p.m. Fri., C
Benny Krueger, 8:30 and 11:30 p.m., Mon., C
Kay Kyser, 8:30 Sat., C

Guy Lombardo, 5:30 Sun., C
 Vincent Lopez, 9 p.m. Sat., C
 Abe Lyman, 8:30 p.m. Mon., B. 9 p.m. Fri., R
 Russ Morgan, 8:30 p.m. Tues., C
 Ozzie Nelson, 7:30 Sun., B
 Raymond Paige, 9 p.m. Fri., C
 Portraits in Harmony, 10:30 Tues., B
 Leo Reisman, 8 and 11:30 p.m. Tues., R
 Jacques Renard, 8:30 p.m. Sun., C
 Harry Salter, 10 p.m. Sat., C
 Andy Sanella, 9 p.m. Sun., R
 Nathaniel Shilkret, 9:30 p.m., Tues., C
 Harry Sosnik, 10 p.m. Wed., R; 10 p.m. Sun., B
 Rudy Vallee, 8 p.m. Thurs., R
 Peter Van Steeden, 9 p.m. Wed., R
 Don Voorhees, 5:30 p.m. Sun., B
 Fred Waring, 9:00 Tues., C.; 9:00 Fri., B
 Paul Whiteman, 9:15 and 11:30 p.m. Sun., B
 Victor Young, 9:30 p.m. Sat., R

DIALOG

Fred Allen, 9:00 Wed., R
 Amos 'n' Andy, 7 and 11 p.m. daily except Sat. and Sun., R
 Phil Baker, 7:30 p.m. Sun., C
 Jack Benny, 7 and 11:30 p.m. Sun., R
 Milton Berle, 10 p.m. Sun., C
 Bob Burns, 10:00 Thurs., R
 Burns and Allen, 8:30 and 11:30 p.m. Wed., C
 Charles Butterworth, 9:30 Tues., R
 Eddie Cantor, 8:30 p.m. Sun., C
 Irvin S. Cobb, 10:30 p.m. Sat., R
 Easy Aces, 7 p.m. Tues., Wed., Thurs., B
 Ed. Everett Horton, 9:30 p.m. Sat., R
 Fibber McGee and Molly, 8 p.m. Mon., R
 Lum and Abner, 7:30 p.m. daily except Sat. and Sun., B
 Ken Murray, 8:30 p.m. Tues., C
 Jack Pearl, 9:30 p.m. Mon., B
 Joe Penner, 6 p.m. Sun., C
 Pick and Pat, 8:30 and 11:30 p.m. Mon., C
 Popeye the Sailor, 7:15 Mon., Wed., Fri., C
 Babe Ruth, 8 p.m. Thurs., C
 Stoopnagle and Budd, 5:30 p.m. Sun., B
 Uncle Ezra's Radio Station, 7:15 Mon., Wed., Fri., R
 Ed Wynne, 8 p.m. Sat., B

DRAMA

Ethel Barrymore, 8:30 p.m., Wed., B
 Helen Claire, 9:30 p.m. Fri., B
 Columbia Workshop, 8:00 p.m. Sat., C
 Death Valley Days, 8:30 p.m. Fri., B
 First Nighter, 10 p.m. Fri., R
 Gang Busters, 10 p.m. Wed., C
 Goose Creek Parson, 7:30 and 10:45 Mon., Wed., Fri., C
 Grand Hotel, 3:30 p.m. Sun., R
 Helen Hayes, 8:00 Mon., B
 Hollywood Hotel, 9 p.m. Fri., C
 Warden Lawes, 9 p.m. Mon., R
 Log Cabin Ranch, 8 p.m. Tues., B
 Phillips Lord, 10 p.m. Wed., C
 Lux Radio Theater, 9 p.m. Mon., C
 News of Yough, 6:15 p.m. Tues., Thurs., Sat., C
 One Man's Family, 8 p.m. Wed., R
 Renfrew of the Mounted, 6:45 and 11:15 p.m. Mon. thru Fri., C
 Irene Rich, 8 p.m. Fri., B
 Snow Village Sketches, 9 p.m. Sat., R
 Tale of Today, 6:30 p.m. Sun., R
 True Story Court, 9:30 p.m. Fri., R
 Welcome Valley, 8:30 p.m. Tues., B
 Your Unseen Friend, 5 p.m. Sun., C

POPULAR PROGRAMS

Album of Familiar Music, 9:30 p.m. Sun., R
 Major Bowes, 11:30 a.m. Sun. and 9 p.m. Thurs., C
 Broadway Varieties, 8:00 p.m. Fri., C
 Camel Program, 9:30 p.m. Tues., C
 Carhondum Band, 7:30 p.m. Sat., C

Cavalcade of America, 8 p.m. Wed., C
 Chesterfield Program, 9 p.m. Wed., C
 Cities Service Concert, 8 p.m. Fri., R
 Contented Program, 10 p.m. Mon., R
 Come On, Let's Sing, 9:30 p.m. Wed., C
 Community Sing, 10 p.m. Sun., C
 Fireside Recitals, 7:30 p.m. Sun., R
 Fleischmann Variety Hour, 8 p.m. Thurs., R
 Good Will Court, 8 p.m. Sun., R
 Hammerstein's Music Hall, 8 p.m. Tues., C
 Hit Parade, 10 p.m. Red Wednesday; 10 p.m. Sat., C
 Hollywood Hotel, 9 p.m. Fri., C
 Husbands and Wives, 9:30 p.m. Tues., B
 Krueger Musical Toast, 10:30 p.m. Mon., R
 Magic Key of RCA, 2 p.m. Sun., B
 Manhattan Merry-Go-Round, 9 p.m. Sun., R
 March of Time, 10:30 p.m. Thurs., C
 Maxwell House Show Boat, 9 p.m. Thurs., R
 Melodiana, 8:30 p.m. Mon., B
 National Barn Dance, 9:00 and 11:30 p.m. Sat., B
 Packard Hour, 9:30 p.m. Tues., R
 Sears, Then and Now, 10 p.m. Thurs., C
 Sinclair Minstrels, 9 p.m. Mon., B
 Variety Show, 8 p.m. Thurs., C
 Voice of Firestone, 8:30 p.m. Mon., R
 Vox Pop, 9 p.m. Tues., R
 Walts Time, 9 p.m. Fri., R

SINGERS

Fred Astaire, 9:30 p.m. Tues., R
 Kenny Baker, 7 and 11:30 p.m. Sun., R
 Smith Ballou, 9:30 p.m. Sat., R
 Rosemarie Brancato, 9:30 p.m. Fri., B
 Bobby Breen, 8:30 p.m. Sun., C
 Rachel Carlay, 9 p.m. Sun., R
 Charlotteers, 7:30 p.m. Thurs., C
 Bernice Claire, 9 p.m. Fri., R, and 8:30 Mon., B
 Jerry Cooper, 10:30 p.m. Mon., R
 Bing Crosby, 10 p.m. Thurs., R
 Fifi D'Orsay, 8 p.m. Wed., B
 Jessica Dragonette, 8 p.m. Fri., R
 Phil Dwyer, 8 and 11:30 p.m. Tues., R
 Nelson Eddy, 8 p.m. Sun., C
 Wendell Hall, 10 p.m. Sun., C
 Helen Jepson, 9 and 11:15 p.m. Thurs., R
 Vee Lawnhurst, 7:30 p.m. Thurs., C
 Elizabeth Lennox, 8:00 p.m. Fri., C
 Nino Martini, 9 p.m. Wed., C
 Ed McConnell, 5:30 p.m. Sun., R
 Lucy Monroe, 9:30 p.m. Sun., R
 Morin Sisters, 7:45 and 11 p.m. Sun., R
 Frank Munn, 9:30 p.m. Sun. and 9 p.m. Fri., R
 Jan Peerce, 6:30 p.m. Sun., C
 Carmella Ponselle, 8:00 p.m. Fri., C
 Dick Powell, 9 p.m. Fri., C
 Virginia Rea, 6:30 p.m. Sun., C
 Homer Rodeheaver, 9:30 p.m. Wed., C
 Lanny Ross, 9 p.m. Thurs., R
 Singin' Sam, 8:15 Fri. and 10 p.m. Mon., B
 Sally Singer, 10:30 p.m. Mon., R
 Kate Smith, 8 p.m. Thurs., C
 Oliver Smith, 5 p.m. Sun., C
 Marion Talley, 10 p.m. Fri., R
 Francis White, 8 p.m. Sun., C

TALKS

Boake Carter, 7:45 p.m. Mon. thru Fri., C
 Floyd Gibbons, 9 p.m. Sat., C
 "Red" Grange, 10:30 Fri. and 7 p.m. Sat., R
 Eddie Guest, 8:30 p.m. Tues., B
 Edwin C. Hill, 10 p.m. Sun., B
 Ted Husing, 7:15 p.m. Tues., Thurs., Sat., C
 Bob Ripley, 7:30 Sun., B
 Sidewalk Interviews, 9 p.m. Tues., R
 Lowell Thomas, 6:45 p.m. Mon., thru Fri., B
 Ed Thorngers, 8:30 p.m. Sat., C
 Trans-Atlantic Broadcast, 12:45 p.m. Sun., C
 Voice of Experience, Tues., Thurs., 7:15 R
 Walter Winchell, 9 and 11:15 p.m. Sun., B

FOREIGN B. C. STATIONS BY FREQUENCIES

Wavelength in meters is given in parentheses following frequencies in kilocycles. Entering dial number in square provided will enable you to identify stations heard. Power is given in second column in kilowatts and decimals thereof. Actual frequency is given in parentheses. While call letters are given wherever possible, very few European stations use these calls. Time is Local unless otherwise stated.

520 (576.6)

LKH	.7	Hamar, Nor. (519)
OFH	10.	Vitupuri, Fin. (527)
RW34	10.	Stalingrad, USSR. (522)
.....	1.	Innsbruck, Aust. (519)
.....	5.	Ljubljana, Yug. (527)
.....	5.	Tartu, Est. (517)

530 (565.7)

IBZ	10.	Bozano, I. (536)
.....	16.	Wilno, Pol. (536)

540 (555.2)

HAL	120.	Budapest, Hun. (546)
.....	.....	Budapest VIII, Sandor Utc. No. 7.
.....	.....	Weekdays 0045-1815; Sun. 315-1900 EST

550 (545.1)

RW52	20.	Tchita, USSR. (556)
2CR	10.	Cummock, Aust.
.....	100.	Beromunster, Sw. (556)
.....	.....	Report to PTT, Berne, Speichergrasse No. 6.
.....	.....	Weekdays 600-163 Sun. 130-1630 EST

560 (535.4)

IIPA	4.	Palermo, I. (565)
MTCY	100.	Hsinking, Mch.
RW41	1.2	Syktyvkar, USSR. (563)
RW42	10.	Gorki, USSR. (565)
XGOG	10.	Chengtu, China.
XLHB	.045	Shanghai, China.
ZUG	10.	Grahamstown, S. Af.
6WA	10.	Minding, Aust.
.....	60.	Athlone, IFS (565)
.....	.....	Radio Atha Luain. Daily 830-1800 EST
.....	10.	Klaipeda, Lithuania (Meme)

570 (526)

CB57	5.	Santiago, Chile, Soc. Nacional Agricultura Tcheliabinsk, USSR. (577)
RW68	10.	.....
XHJA	.1	Hankow, China
2YA	5.	Wellington, N. Z. Featherstone St. Mon. to Sat. 700-900; 1000-1100; Sun. 900-1215; 1300-1430; 1800-2200.
.....	100.	Stuttgart, G. (574)
.....		Charlottenplatz No. 1 Daily 0000-2000 EST.
.....	10.	Magnitogorsk, USSR. (571)

580 (516.9)

CC58	.5	Temuco, Chile, Luis E. Brain.
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JFCK	1.	Taichu, Formosa.
RW36	10.	Archangel, USSR (586)
RW54	10.	Khabarovsk, USSR.
XQHA	.25	Shanghai, Chin.
YLZ	15.	Riga, Lat. (583)
3AR	4.5	Melbourne, Aust. 120A Russell St. Grenoble, F. (583)
.....	15.	Daily 300-1730 EST

590 (508.2)

JOAK1	150.	Tokyo, Japan
JOAK2	10.	Tokyo, Jap. M. Tomabecio, EST. Daily 4 a.m.-7:30 a.m.
LS10	6.	Buenos Aires, Arg. Radio Callao, Callao (666)
RW35	10.	Astrakhan, USSR (598)
XGQH	.15	Changsha, China
XHKB	.1	Tsingtao, China.
ZLZ	1.	Hobart, Aust. Elizabeth St. Mon. to Fri. 830-1030; 1200-1530; 1630-1800; 1900-100; Sat. 830-1000; 1230-1300; Sun. 1200-300; 1630-1830; 1915-2400
.....	120.	Vienna, Aust. (592)
.....	.....	Wein No. 1, Johannesgrasse No. 4B. Daily 310-1900 EST

600 (499.7)

CNR	25.	Rabat, Mor. (601)
.....	.....	Radio Maroc., Office Cherifien des Postes et Telegraphes.
FJP	.5	Noumea, New Caledonia.
JONG	.5	Miyazaki, Japan (CP)
PRH2	25.	Porto Alegre, Brz. (now building)
RW82	2.5	Frounze, USSR. (608)
SBD	10.	Sundsvall, Swe. (601)
XMHA	1.	Shanghai, China.
ZTC	10.	Cape Town, S. Af.
4QN	7.	Clevedon, Aust.

610 (491.5)

CX4	1.	Montevideo, Uru. Direccion de Agronomia, Millan, 746; 10-12; 17-19
IFFI	20.	Florence, I. EIAR Stazione di Firenze. Weekdays 130-1730; Sun. 310-1730 EST
JODK2	10.	Seoul, Ko.
KZRM	50.	Manila, P. I. (618.5)
.....	.....	Daily 600-2300
RW18	1.	Pratigorsk, USSR
RW22	10.	Ofua, USSR. (617)
RW50	2.5	Oust Abakansk, USSR (617)
RW79	10.	Murmansk, USSR.

XGSS	.015	Tsunshi, Chn.
ZFC	3.5	Sydney, Ausl.
.....	.....	96 Market St. Mon. to Fri. 830-930; 1100-1300; 1330-1530; 1630-1745; 1900-100; Sat. 830-930; 1100-1830; 1900-100; Sun. 1130-1345; 1630-1815; 1930-2400

620 (483.6)

CB62	1.	Santiago, Chi. Radio Chilena.
CTIAA	20.	Lisbon, Por. (629)
.....	.....	Emissora Nacional. Daily 700-1900 EST
JOTK	.5	Matsuy, Jap. (625)
LKT	20.	Trondelag, Nor. (629)
LV3	2.	Cordoba, Arg.
RW31	10.	Ivanovo, USSR. (625)
XHHK	.1	Shanghai, China
4ZP	.1	Invercargill, N. Z. R. T. Parsons, 155 Layard St. N.
No. 1	15.	Brussels, Belg. la Rue du Bastion Weekdays 655-1800; Sun. 445-1900 EST
.....	20.	Cairo, Egypt.

630 (475.9)

JODG	.5	Hamamatsu, Jap. (635)
LS3	5.	Buenos Aires, Arg. Radio Mayo, Callao 1526
OKP	120.	Praha, Cz. (633) The Radio Journal, Praha, Cz. Daily 0030-1730 EST
RW28	.8	Vladivostok, USSR. (635)
RW32	10.	Vladivostok, USSR. (635)
RW84	1.2	Oust-Abakansk, USSR. (635)

640 (468.5)

CB64	1.	Vina del Mar, Chile. La Union, Av. Portales 528
CC64	.1	Concepcion, Chile. El Sur, Freyre 799
JOUK	.3	Akita, J. (645)
RW29	10.	Petrozavodsk, USSR. (648)
RW56	1.2	Penza, USSR.
XLHG	.1	Shanghai, China.
YN	90.	Lyons, F. (648). La Doua (testing) Daily 215-1800 EST
ZEK	.5	Hong Kong, Chn. GMT Mon., Thurs., Sat., from 12:30. The Secretary, Hong Kong

FOREIGN B. C. STATIONS BY FREQUENCIES

Brdcstg. Com., P. O. Box 200.
ZTJ 10. Johannesburg, S. Af. (645)
5CK 7.5 Crystal Brook, Ausl. Relays 5CL Mon. to Fri. 9-10; 1230-1600; 17-1830; 1930-130; Sat. 9-1030; Sun. 1230-1530; 17-19; 1945-0030

650 (461.3)

CX6 10. Montevideo, Uru. Estacion Oficial, Martin Fierro 2603. 12-14; 17-23
JOCC 3. Asahigawa, J. (655) Pres. NBC, Hokkaido Asahikawa Branch, EST Daily 11 p.m.-7:30 a.m.
JQAK 5. Dairen, Mch. (652)
1YA 10. Auckland, N. Z. Karangahape Rd. Mon. to Sat. 7-9; 10-23; Sun. 9-1215; 13-1630; 18-22
 100. Cologne, G. (653) Dagoboristrabe No. 38 Daily 0000-1800 EST

660 (454.3)

XGOA 75. Nanking, Chn.
RW38 2. Alexandrovsk, UR. (662)
7BU .05 Burnie, Ausl.
 20. Jerusalem, Pal. (668)
 70. Manchester, G. B. (668) North Regional Weekdays 515-1900; Sun. 730-1745 EST

670 (447.5)

JFAK 10. Taihoku, For.
LS4 7. Buenos Aires, Arg. Radio Portena, Belgrano 1841
MTFY 3. Harbin, Mch. (674)
RW23 1. Grozny, UR. (676)
YVGRV .35 Valencia, Vnz.
2CO 7.5 Corowa, Ausl. Relays 3LO and 3AR. Mon. to Fri. 830-13; 1330-1530; 1630-1745; 19-1; Sat. 830-1030; 1130-13; 1330-1830; 19-100; Sun. 1130-1345; 1430-1815; 1930-2400
 100. Sottens, Swi. (677) Report to PTT Berne, Speichergasse No. 6. Weekdays 630-1630; Sun. 355-1630 EST

680 (440.9)

CB63 1. Valparaiso, Chile.
CW27 .25 Salta, Uruguay. Ernesto Popelka
HJN 5. Bogota, Col. (681)
JOLK 5. Fukuoka, J.
JOVK 5. Hakodate, J.
LKD 5. Bodo, Nor. (686)
RW17 10. Kazan, UR. (686)
RW27 4. Makhatch, UR. (689)

RW46 1.2 Karaganda, UR. (686.5)
RW71 1.2 Petropavlovsk, UR. (689)
RW74 1.2 Tcheboksary, UR. (689)
 2.5 Belgrade, Yug. (686)
 1.5 Salisbury, S. Af. (681.9)

690 (434.5)

CX8 .5 Montevideo, Uru. Ramon Puyal, Caigua 3710
LV6 .5 Mendoza, Arg. Radio Prov. de Mendoza.
XGOY .25 Kunming, China.
6WF 3.5 Perth, Ausl. Hay St. Mon. to Fri. 1030-1230; 1400-1730; 1830-20; 21-3; Sat. 1030-12; 1430-3; Sun. 14-17; 1830-2030; 2115-200
 120. Paris, F. (695) FPTT Daily 300-1800 EST

700 (428.3)

JOKK .5 Okayama, J.
PRA7 .05 Sao Paulo, Brz., Rua Tibirica 26 (706)
RW48 2.5 Elista, UR. (704)
SBA 55. Stockholm, Swe. (704) Weekdays 145-1700; Sun. 3-17 EST
VPB 1.75 Colombo, Cey. (705)
XMHC .5 Shanghai, Chn.
ZP15 . Villarrica, Par.
2NR 7. Grafton, Ausl.

710 (422.3)

11RO 50. Rome, I. (713) Weekdays 130-1730; Sun. 335-1730 EST
JOJK 3. Kanazawa, J.
LS1 5. Buenos Aires, Arg. Radio Municipal, Teatro, Colon
RW16 10. Samara, UR.
XGML .0075 Kashing, Chn. (714.3)
XGOS 1 Chunking, Chn. (711)
7NT 7. Kelso, Australia

720 (416.4)

JFBK 1. Tainan, For.
JORK 5. Kochi, J. Mr. Matsuo, Mgr., EST Daily 10:15 p.m.-7:30 a.m.; Sun., 10:30 p.m.-7:30 a.m.
PRF2 .25 Rio Claro, Brz. (725) Radio Club of Rio Claro
PRG5 .75 Santos, Brz. Radio Atlantica
RW9 36. Kiev, UR. (722)
XLHC .05 Shanghai, Chn.
XLHD .05 Shanghai, Chn.
3YA 10. Christchurch, N. Z. Gloucester St. Mon. to Sat. 7-9; 10-23; Sun. 9-1215; 13-1630; 1730-22
SGF 2. Kalgeoorlie, Ausl.

730 (410.7)

CB73 1. Santiago, Chile. Ultimas Noticias. Compania 1258
CX10 1. Montevideo, Uru. Internacional Brdcstg. Industria 2840; 11-15; 16-24
EAJ2 3. Madrid, Sp. (731) Radio-Espana
EAJ5 5.5 Seville, Sp. (731) Daily 230-1630 EST
JOSK 1. Kokura, J. (735)
LV1 1. San Juan, Arg. Radio Graffigna, C. de Correo 44
RW65 1. Saransk, UR. (734)
XHGS .05 Wuchow, Chn.
5CL 2. Adelaide, Ausl. Hindmarsh Square. Same Schedule as 5CK, 640 kc.
 20. Tallin, Est. (731)

740 (405.2)

OFD 1. Pori, Fin. (749)
PRE6 1.5 Uberaba, Brz.
RW64 10. Ordjonikidze, USSR. (749)
XHHB .05 Shanghai, Chn.
2BL 3. Sydney, Ausl. 96 Market St. Mon. to Fri. 830-1100; 13-19; 1930-2400; Sat. 830-11; 13-19; 1930-130; Sun. 1225-1630; 18-2330
 100. Munich, G., Funkhaus Rundfunkplatz No. 1 Daily 0000-1800 EST
 120. Marseilles, F. (749) PTT Daily 245-17 EST
2 Sortavala, Fin. (749)

750 (399.8)

HS7PJ 15. Bangkok, Siam
JOEK1 10. Osaka, J.
LR7 15. Buenos Aires, Arg. Radio del Estado
LUHO .02 Tung Hsien, Chn.
OAX4A 1.5 Lima, Peru. Daily 11 a.m.-1 p.m.; 6-7; 9-11 p.m.
PRA2 1.5 Rio de Janeiro, Brz. Rua da Carcoxa 45
PRA8 3. Pernambuco, Brz. Ave. Cruz Cabuga 394
RW64 10. Urdjonikidze, UR. (752)
XGOK 1. Canton, Chn.
XQKB .15 Tientsin, China
YV4RC 1. Caracas, Vnz.
ZTD 1.5 Durban, S. Af.
 12. Katowice, Pol. (758)
 10. Maritzburg, S. Af.

760 (394.5)

CE76 10. Valparaiso, Chl. Co-op. Vitalicia, Agustina 1253, 9 Piso

FOREIGN B. C. STATIONS BY FREQUENCIES

PRD9 .25 Sorocaba, Brz. (769)
Radio Soc. Sorocaba
RW78 3. Ijevsk, U.S.R. (767)
XLHI .0075 Shanghai, Chn.
XLHJ .015 Shanghai, Chn.
2YB .1 New Plymouth, N. Z.
Empire Bldg., King
St. Mon. 19-22; Wed.
1830-22; Sat. 1330-17;
1830-22; Sun. 18-22;
Falkirk, G. B. (767)
Scottish Regional
Weekdays 515-19;
Sun. 730-1730 EST

770 (389.4)

CX12 1. Montevideo, Ur.
Radio Westinghouse,
Itacabo 2620; 10-23
Sendai, J.
LKF 1. Frederikstad, N. (776)
RW26 10. Stalino, U.S.R. (776)
VUM .2 Madras, In.
XHID .075 Ningpo, China
3LO 3.5 Melbourne, Austl.
120A Russel St. Mon.
to Fri. 830-930; 11-13;
1330-1530; 1630-1745;
19-1; Sat. 830-930; 11-
1830; 19-1; Sun. 1130-
1345; 1630-1815; 1930-
24
..... 2. Toulouse, F. (776)
PTT Daily 330-1730
EST

780 (384.4)

CB78 1. Santiago, Chile. Co-
operative Vitalicia,
Agustina 1253, 9 piso
JOPK .5 Shizuoka, J.
KZEG 1. Manila, P. I.
Daily 8-20
LT1 5. Rosario, Arg. Radio
Litoral, Cordoba 1049
PRE7 5. Sao Paulo, Brz. (788)
Radio Cosmos, Praca
Marçal Deodoro 52
XLHA .05 Shanghai, Chn.
..... 120. Loipsig, G. (785)
Temporarily on low
power.
Daily 00-18 EST -

790 (379.5)

EAJ1 7.5 Barcelona, Sp. (795)
Union Radio. Daily
215-19 EST
JOGK 10. Kumamoto, J.
LR10 10.25 Buenos Aires, Arg.
Radio Cultura, Bel-
grano 1841
RW51 1. Naltchik, U.S.R. (794)
LIJ1 .05 Wushih, China
ZTB .5 Bloemfontaine, S. Af.
4YA 10. Dunedin, N.Z. Stuart
St.
..... 16. Lwow, Pol. (795)
Polskie Radio SA,
Rozglosnia we Lwowie
Daily 1-18 EST

800 (374.8)

JOKG .5 Kofu, Japan. (CP)
PRB7 .5 Rio de Janeiro, Brz.
XLHK .0075 Shanghai, Chn.

XLHL .1 Shanghai, Chn.
4QG 2.5 Brisbane, Austl. State
Insurance Bldgs.
Mon. to Fri. 830-1030;
12-1530; 1630-18; 19-1;
Sat. 830-10; 1230-1;
Sun. 12-15; 1630-1830;
1915-24
..... 70. Cardiff, G. B. (804)
West Regional
Weekdays 515-1900;
Sun. 730-1745 EST

810 (370.2)

CX14 5. Montevideo, Ur.
El Espectador Ltd.,
Lanus 5760, 10-24
Milan, I. (814)
Radio Milano, Corso
28, Ottobre 102, Mi-
lano 134
Weekdays 130-1730;
Sun. 330-1730 EST
JOCK1 10. Nagoya, J.
PRA6 10. Sao Paulo, Brz. (815)
Radio Educadora
Paulista. Rua Jose
Bonifacio 12
VUC 3. Calcutta, In.
XQKC 2 Tientsin, China

820 (365.6)

CB82 1. Santiago, Chi. El
Diario Ilustrado,
Moneda 1158. 9-10;
12-14; 16-1830; 20-24
Salto, Uruguay. Mo-
desto Llantada
LV7 1. Tucuman, Arg.
G. Acha Munoz y Cia.
Mendoza 437
PRH8 5. Rio de Janeiro, Brz.
Radio Ipanema
XQHB .03 Shanghai, China
2LV .1 Invernell, Australia
2ZH .065 Napier, N. Z.
C. B. Hansen & Co.,
59 Latham St., Mon.,
Tue., Fri., 12-14; 19-
22; Wed. 12-14; 1830-
2230; Thu. 12-14; Sat.
10-17; 19-23; Sun. 12-
15; 1830-22
..... 12. Bucharest, Ru. (823)
Weekdays 6-1730;
Sun. 430-1830 EST

830 (361.2)

JOIK 10. Sapporo, J. T. Okada,
Chf. Engr. EST Daily.
4 a.m.-7:30 a.m.
LR5 29. Buenos Aires, Arg.
Radio Excelsior, Mai-
pu 462
RW39 100. Moscow, U.S.R. (832)
Inna Marr, Esq.
Moscow-Stalin Radio
Station.
Daily 9-1630 EST
XGF .0075 Tsinan, Chn. (833)
XLII .03 Wuhu, Chn.
3GI 7. Longford, Austl.

840 (356.9)

CB84 1. Valparaiso, Chile
CX84 1. Talcahuano, Chile

F31CD 12. Saigon, Indo.
Cie Generale de Tele-
graphie sans Fil, P. O.
Box, 238
LT8 .5 Rosario, Arg.
Julio Blomberg, Sar-
miento 958
PRA4 .05 Bahia, Brz. Radio
Soc. da Bahia
XGTM .015 Chang-sha, Chn.
XMHD 1. Shanghai, Chn.
ZBW 2. Hongkong, C. (845)
The Secretary, Hong
Kong Brdctg. Com.,
P. O. Box 200.
2YC .25 Wellington, N. Z.
Featherstone St.
..... 100. Berlin, G. (841)
Radio Reichssender,
Berlin Brdctg. House
Daily 0000-1800 EST

850 (352.7)

CX16 10. Montevideo, Ur.
SADREP, Av. S. Mar-
tinez 13500
EAJ3 3. Valencia, Sp.
HSP1 2.5 Bangkok, Siam (856)
JOFK 10. Hiroshima, J.
LKA .35 Aalesund, Nor.
LKB 1. Bergen, Nor.
LKP 1. Porsgrund, Nor.
PRB3 .25 Juiz de Fora, Brz.
(857)
Radio Soc. de Juiz de
Fora, Parque Halfeld
Simferopol, U.S.R.
(859)
RW73 10. Nairobi, Ken. (858)
VUS 3. Bombay, In. (855)
XGOF .5 Tsinan, China
XLIQ .05 Hangchow, China
5RM 1. Renmark, Austl.
River Murray Brd-
csters, Ltd., 29 Run-
dle St., Adelaide
..... 1. Sofia, Bul.
..... 35. Strasbourg, F. (859)
Radio Strasbourg
PTT, 30 Rue de 22
Nov. Weekdays 545-
19; Sun. 1630-19 EST

860 (348.6)

PRA3 2.5 Rio de Janeiro, Brz.
Radio Club de Brasil,
Rua Betancourt da
Silva 21
XHHD .05 Shanghai, China.
4AY .3 Ayer, Australia
7HO 12. Hobart, Austl. 82 Eliz-
abeth St.
..... 16. Poznan, Pol. (868)
Daily 1-18 EST

870 (344.6)

JOAK1 10. Tokyo, J. M. Toma-
becio, EST Daily 4
a.m.-7:30 a.m.
LR6 26. Buenos Aires, Arg.
La Nacion, Florida 347
Iqarka, U.S.R. (871)
RW85 2. Suchow, Chn.
XHIC .075 Sydney, Austl. "The
Nation's Station".
2GB 1. Adyar House, 29
Bligh St., Mon. to

FOREIGN B. C. STATIONS BY FREQUENCIES

Sat. 830-1; Sun. 930-1330; 1415-24
 70. London, G. B. (877)
 Weekend Regional.
 Weekdays 515-1930;
 Sun. 730-1745 EST

880 (340.7)

PRB2 .25 Curitiba, Brz. (882)
 Radio Club Paranaense
 RW61 1. Iochar-Ola, U.S.R. (888)
 VUD 20. Delhi, India. (882)
 XHHV .1 Shanghai, Chn.
 YV3RC .1 Caracas, Venez. (882)
 1YX .15 Auckland, N. Z.
 6PR .5 Applecross, Ausl.
 Barrack St., Perth
 7. Graz, Aust. (886)
 Daily 310-19 EST
 15. Linz, Austria (886)

890 (326.9)

CB89 1. Santiago, Chile. Otto
 Becker, Ahuamada
 113
 CX18 1. Montevideo, Uruguay
 Difusora El Espectador,
 Ltda., Olimar
 1364
 JOLG .5 Tottori, Japan. (CP)
 MTBY 1. Mukden, Mnch.
 OFA 10. Helsinki, Fin. (895)
 XGKA .015 Kaski, Chn. (895)
 ZP9 1.5 Asuncion, Par. (898)
 .5 Limoges, F. (895)

900 (333.1)

CB90 1. Valparaiso, Chile, El
 Murcurio de Val.,
 Casino de Vina del
 Mar.
 JODK1 10. Seoul, Korea
 KZ18 1. Manila, P. I.
 Daily 10-20
 LU2 2. Bahia Blanca, Arg.
 Radio Bahia Blanca.
 Sao Paulo, Brz. (CP
 60 kw) Radio Difusora
 Sao Paulo.
 XGO1 .5 Shanghai, China.
 2ZP .105 E. A. Perry, 128 Queen
 St. Tue. 7-9; 18-2230;
 Wed. to Sat. 7-9; Sun.
 730-930.
 3MA .1 Mildura, Ausl.
 22 Deakin Ave. Mon.
 to Thu. 9-10; 12-13;
 1930-24; Fri. 9-10; 12-
 13; 1930-0030; Sat.
 9-10; 1930-0030; Sun.
 1230-1530; 1945-2330.
 4WK .05 Warwick, Ausl.
 King and Albion Sts.
 Daily 1230-1530; 19-
 2330.
 100. Hamburg, G. (904)
 Radio Reichsender
 Hamburg. Daily 00-
 18 EST

910 (329.6)

LR2 12. Buenos Aires, Arg.
 Radio Argentina, Bol-
 1356
 RW30 10. Dnepropetrovsk,
 U.S.R., (913)
 Amoy, Chn.
 XLIM .05 Rockhampton, Ausl.
 4RK 2. Relays 4QG. Same
 schedule as 4QG, 800
 kc.
 60. Toulouse, F. (913)
 Villa Schmidt, Rue
 Monie. Daily 3-1930
 EST

920 (325.9)

JOQK .5 Niigata, J.
 OKB 32. Brno, Cz. (922)
 Daily 0030-1730 EST
 PRC3 .25 Pelotas, Brz.
 Soc. Radio Pelotense
 PRF4 10. R'de Janeiro, Brz.
 (923). Soc. Anonima
 "Journal do Brasil"
 XHHX 1. Shanghai, Chn.
 ZJV .4 Suva, Fiji
 2ZR .03 Nelson, N. Z.
 Trafalgar St. Tem-
 porarily silent.

930 (322.4)

CB93 2.5 Santiago, Chile.
 Huque, Providencia
 1022
 CX20 2. Montevideo, Uru.
 Radio Monecario,
 Humberto I No. 3.
 11-1430; 16-24
 JOAG .5 Nagasaki, J.
 PRD2 1. R'de Janeiro, Brz.
 (932) Soc. Radio Cru-
 ceiro do Sul; Rua
 Mariz e Barros 270
 RW55 1. Engels, U.S.R. (932)
 VUG 1. Delhi, India
 3UZ .6 Melbourne, Ausl.
 45 Bourke St. Mon.
 to Thu. 830-1530;
 1645-100; Fri. 830-16;
 1645-100; Sat. 830-
 1330; 1930-130; Sun.
 1130-1400; 1915-2330
 No. 2 15. Brussels, Belg. (932)
 Weekdays 7-19; Sun.
 5-19 EST

940 (319)

JONK .5 Nagano, J. K. Yana-
 da, Dir. EST Daily
 4-1930
 PRE4 .25 Rio de Janeiro, Brz.
 (941). Soc. Radio Cul-
 tura "A Voz do Es-
 pacao"
 SBB 10. Goteborg, Swe. (941)
 Weekdays 145-17;
 Sun. 3-17 EST
 XHHE 1. Shanghai, Chn.
 3ZR .175 Greymouth, N. Z.
 12. Algiers, Alg. (941)
 Radio PTT du Govt.
 Gen., Rue Berthe-
 zene, Alger, Algeria.
 N. Af.
 Daily 8-18 EST

950 (315.6)

LR3 31. Buenos Aires, Arg.
 Radio Belgrano, Bel-
 grano 1841
 PP 60. Paris, F. (959)
 Poste Parisien, 4 Rue
 du General-Foy.
 Daily 210-18 EST
 Bahia, Brz. (959) Ra-
 dio Commercial da
 Bahia
 PRF8 .5 Gomel U.S.R. (959)
 RW40 1. Gomel, U.S.R. (959)
 RW54 1. Peiping, Chn.
 XGOP .3 Pretoria, S. Af. (952)
 ZTP .5 Sydney, Ausl.
 2UE 1. Shaw, 295 Pitt St.,
 Mon. to Fri. 730-15;
 16-1; Sat. 730-1230;
 1500-1330; Sun. 930-
 1330; 1815-0030.
 100. Breslau, G. Schles-
 ische Funkstunde,
 GMBH, Breslau 18
 Daily 23-18 EST

960 (312.3)

CC96 .1 Curico, Chile. Mer-
 cede 11
 JOOK .3 Kyoto, J.
 LV2 2. Cordova, Argentina
 PRB4 1. Santos, Brz. Radio
 Club de Santos, Rua
 de Pedro II 16.
 RW13 10. Odessa U.S.R. (968)
 XHHF .1 Shanghai, Chn.
 YV1RC 5. Caracas, Venez. (961)
 Brdcstg. Caracas, Apt
 de Correos 2009. Sun.
 9-23; Weekdays 16-
 2230
 2ZF .15 Palmerston, N. Z.
 King St.
 SDN .3 Adelaide, Ausl.
 29 Rundle St., Mon.
 to Fri. 915-1115; Sat.
 915-15; 20-115; Sun.
 845-0015.
 2.5 Bordeaux-sud-Ouest,
 France (968)

970 (309)

CB97 1. Santiago, Chile.
 Siam, Bolivar 1551
 CX22 .25 Montevideo, Uru.
 Fada Radio, Larranga
 278. 1030-1530; 17-23
 JOBG .5 Maebashi, J.
 XHIB .075 Wusih, Chn.
 3BO 2. Bendigo, Ausl.
 Kangaroo Flat. Mon.
 to Fri. 1230-1500; 19-
 24; Sat. 1230-24; Sun.
 1130-1430; 2030-2330
 100. Belfast, G. B. (977)

980 (305.9)

11GE 10. Genoa, I. (986) EIA
 Stazione di Genova.
 Weekdays 130-1730;
 Sun. 310-1730 EST
 JOXK .5 Tokushima, J. T.
 Tsutsumi, Chf. Engr.
 EST Daily 2205-730;
 Sun., 2230-730
 OAX4E .05 Lima, Peru, Juan P.

FOREIGN B. C. STATIONS BY FREQUENCIES

PRC6 1. Goicoechea, Jiron
Ocona No. 158
R'de Janeiro, Brz.
Soc. Radio Philips,
Rua Sacadura Cabral
43
XMHB .5 Shanghai, Chn.
2ZJ .2 Gisborne, N. Z.
229 Gladstone Rd.
6AM 2. Northam, Austl.
Mon. to Sat. 10-12;
1530-1730; 21-2; Sun.
1330-1730; 1830-2030;
2130-130
..... 24. Torun, Pol. (986)
(Testing)

990 (302.8)
JOFG .3 Fukui, J.
LR4 16. Buenos Aires, Arg.
Radio Splendid, Cal-
lao 1526. Daily 11-24
PFBI 60. Hilversum, Hol. (995)
Heir Radio Hilver-
sum, Ouden, Engweg,
4. Daily 310-1810 EST
XGCK .075 Chuching, Chn.
XGOD 2. Hangchow, Chn.
2GZ 2. Orange, Austl.

1000(299.8)
HJ3ABH 2. Bogota, Col. (1005)
"La Voz de La Vic-
tor", Aptdo 565. Sun.,
12-14; 16-21; Wednes-
days 1130-14; 18-23
OKR 13.5 Bratislava, Cz. (1004)
Daily 0030-1730 EST
PRA9 1. Rio de Janeiro, Brz.
Radio Soc. Mayrink
Veiga, Rua Mayrink
Veiga 17
PRB8 .05 Mogy das Cruzes, Brz.
XGMK .015 Poatung, Chn. (1005)
XGOT .05 Taiyuan, Chn.
2P3 .3 Asuncion, Par.
4GR .5 Toowoomba, Austl.
Ruthven St. Mon. to
Fri. 8-1530; 19-2230;
Sat. 8-1130; 1930-2330;
Sun. 1130-1430; 030-
2330

1010(296.9)
CB101 1. Santiago, Chile.
Radio Mayo, Bander
154
CX24 2.5 Montevideo, Uruguay
SADREP, Las Rozas
756
PRB9 5. Sao Paulo, Brz. (1017)
Radio Soc. Record,
Praca da Republica 17
RW86 5. Tchernigov, U.S.R.
(1013)
XGOW 5. Hangkow, Chn.
3HA .3 Hamilton, Austl. 37
Gray St., "The Age
Broadcasting Service",
Mon. to Sat. 830-1030;
1330-1745; 1915-2400;
Sun. 1230-1800; 2015-
0030
4ZB .02 Dunedin, N. Z. 180
Rattray St.
4ZM .03 Dunedin, N. Z.
McCracken & Wells

4Z0 .025 Dunedin, N. Z.
Mon. 12-13; 14-15; 20-
23; Tue., Wed., Thu.,
12-13; 14-15; 17-18;
Fri. 12-13; 14-15; 17-
18; 19-23; Sat. 12-13
Davertry, G.B. (1013)
Midland Regional.
Weekdays 545-1815;
Sun. 1130-1745 EST

1020(293.9)
EAJ15 3. Barcelona, Sp. (1022)
EAJ19 .7 Oviedo, Sp. (1022)
OBJ ... Lima, Peru. Escuela
Militar de Chorrillos.
XHHG .1 Shanghai, Ch.
2KY 1. Sydney Austl. The
Block, George St.
Mon., Tue., Thu.,
Fri. 815-1330; 1430-17;
1745-0030; Wed. 815-
1330; 14-0030; Sat.
815-1240; 14-18; 1845-
0030; Sun. 9-0030
..... 2. Cracow, Pol. (1022)

1030(291.1)
CD103 .1 Magallanes, Chile.
Ramon Verde San-
chez, Mexicana 936
CT1GL 5. Parede, Por. (1031)
Radio Club Portu-
guese.
JBAK .15 Fuzan, Korea
LR9 5. Buenos Aires, Arg.
Radio Fenix, Santa
Fe 1174
PRC8 1. Rio de Janeiro, Brz.
Radio Soc. Guana-
bara, Rua 1st de Mayo
123
XGOL 1. Foochow, Chn.
YV11RMO .. Maracaibo, Venez.
(1034)
3DB .6 Melbourne, Austl.
36 Flinders St. Mon.
to Fri. 8-1; Sat. 8-130;
Sun. 1130-1330; 1530-
24
..... 100. Konigsberg, G. (1031)
Daily 00-18 EST

1040(288.3)
CP4 10. La Paz, Bol.
Carlos Lopez Vedela,
Casilla 637
CW25 .5 Durazno, Uru.
Artola Evangelisti y
Cia. 10-13; 18-23
JOJG .5 Yamagata, Japan
RW70 10. Leningrad, U.S.R.
XHHH .1 Shanghai, Chn.
5Pi 2. Crystal Brook, Austl.
Relays 5AD. Mon. to
Fri. 8-16; 19-1; Sat.
8-16; 17-1; Sun. 1930-
24
..... 40. Rennes-Bretagne, F.
Daily 3-1730 EST

1050(285.5)
CX26 2. Montevideo, Uru.
Radio Uruguay,
Millan 2370. 9-1430;
16-23

11BA 20. Bari, I. (1059) EIAR
Stazione di Bari
Weekdays 130-1730;
Sun. 1335-1730 EST
JOHG .5 Kagoshima, Japan
PRF6 .05 Bahia, Brazil. Radio
Club da Bahia
RW33 1. Krasnodar, U.S.R.
XHKA .2 Tien-tsin, Chn.
2CA .5 Canberra, Austl. Mon.
to Fri. 14-15; 19-2330;
Sat. 1930-2330; Sun.
2130-2330
..... 50. Falkirk, G. B. Scot-
tish National. Week-
days 545-1815; Sun.
1130-1745 EST

1060(282.8)
CB106 5. Santiago, Chi.
JOIG .5 Toyama, Japan
RW57 4. Tiraspol, U.S.R. (1068)
XHHI .1 Shanghai, Chn.
2DU .1 Dubbo, Australia
3YB .05 Warrnambool, Austl.
4MB .1 Maryborough, Austl.
Wynne's Stn. Mon. to
Fri. 10-1130; 1330-
1530; 20-2330; Sat. 10-
1130; 1330-1530
..... .8 Paris, F. (1068)
Radio-Cite

1070(280.2)
LR1 50. Buenos Aires, Arg.
Radio El Mundo,
Maipu 555
PYG2 10. Sao Paulo, Brz. Ra-
dio Tupyo Sao Paulo
Kaifeng, Chn.
XGOQ .2 Canton, Chn. (1071)
XKRI .1 Katanning, Austl.
6KA 2. Western Austl.
Brdsters., Ltd.
Bordeaux, F. (1077)
Bordeaux - Lafayette
Hotel des PTT, 220
Chemin du Tondu
Daily 300-1730 EST

1080(277.6)
JOBK2 10. Osaka, J. (1085)
JOOG .5 Obihiro, Japan (CP)
LT3 4.5 Rosario, Arg. Radio
Soc. Rural de Cera-
listas, Pte. Roca 770
Lima, Peru
OAX4F .05 F. W. Casteleno &
Hno. Opens and
closes "Anchors A
weigh" Daily except
Sun., 15-17 EST
SCC 2. Falun, Swe. (1086)
XHHJ .2 Shanghai, Chn.
ZP7 .7 Asuncion, Par. (1033)
2AD .1 Armidale, Austl.
3SH .1 Swan Hill, Austl.
Mon. to Sat. 14-15;
2030-24; Sun. 1345-
1545; 1745-1930; 2045-
2330
..... .7 Zagreb, Yu. (1086)

FOREIGN B. C. STATIONS BY FREQUENCIES

1090(275.1)

- CC109 .1 Rancagua, Chile.
Jorge Romero, Inde-
pendencia 483
CX28 3. Montevideo, Uru.
EAJ7 10. Madrid, Sp. (1095)
Union Radio Station
EAJ7, Aptdo 745.
Daily 3-19 EST
PRC2 3. Porto Alegre, Brz.
Radio Soc. Gaucha,
Galerie Chaves
PRC7 .25 Bello Horizonte, Brz.
Soc. Radio Minheira
Vinnitza, U.S.R. (1095)
RW75 10. Shaohing, China
XL10 .02 Auckland, N. Z.
12B .09

1100(272.6)

- HJ3ABD .05 Bogota, Col.
Alford's Radio, Calle
16. No. 5-40
IINA 1.5 Naples, I. (1104)
XHHS .1 Shanghai, Chn.
4LG .3 Longreach, Ausl.
7LA .3 Lancaster, Ausl.
67 Brisbane St. Mon.
to Fri. 9-1030; 1330-
1530; 19-24; Sat. 9-
1030; 16-1830; 19-24;
Sun. 1915-2330
..... 50. Madona, Lat. (1104)
Weekdays 00-1630;
Sun. 200-1700 EST

1110(270.1)

- CB111 1. Vina del Mar, Chile.
Los Castanos, Av.
Castanos 393
CD111 .1 Magallanes, Chile.
Radio Austral, Inde-
pendencia s/n 20-23
LSS 5. Buenos Aires, Arg.
Radio Rivadavia,
Callao 1526
OKK 11.2 Moravska, Cz. (1113)
Daily 0030-1730 EST
XLIG .015 Kaoyu, China
2UW .75 Sydney, Ausl., J. M.
Prentice, Box 241D,
GPO. "A the Cross
Roads of Sydney."
24 hours day.
..... 10. Normandie, (1113)
Fecamp
Daily 2-21 EST

1120(267.7)

- CD112 .1 Osorno, Chile. David
Arriagada, Baque-
dano 715
CW29 .5 Mercedes, Uru.
Bautista Abbo. 1130-
13; 1830-2230
HAE 6.2 Nyiregyhaza, Hung.
(1122)
LV5 .5 San Juan, Arg.
Radio Los Andes, G.
Acha 362
OAX41 .. Lima, Peru. Radio
Internacional
PRH3 10. Sao Paulo, Brz.
Radio Piratiniga

- XLHM .05 Shanghai, Chn.
XLHN .2 Shanghai, Chn.
4BC 1. Brisbane, Ausl., R. F.
Roberts, 43 Adelaide
St., Mon. to Fri. 8-
0030; Sat. 8-11; 1338-
0030; Sun. 830-1330;
1630-24
..... .5 Alexandria, Eq. (1122)
..... 1. Newcastle, G.E. (1122)

1130(265.3)

- CB113 .1 Quillota, Chile
CX30 .5 Montevideo, Uru.
Radio Nacional, Por-
venir 2384. 9-24.
PRD8 1. Niteroy, Brz. (1132)
Radio Club Flumi-
nense
SBH 10. Horby, Swe. (1131)
Weekdays 145-1700;
Sun. 3-17 EST
XGOC .25 Nan-chang, Chn.
ZP1 1. Asuncion, Par. (1135)
6ML .5 Perth, Ausl.
Lytic House, Murray
St. Mon. to Fri. 1030-
1230; 1430-16; 21-2;
Sat. 1030-1230; 1430-
16; 2130-2; Sun. 2230-
130

1140(263)

- CB114 5. Santiago, Chile
ITO 7. Turin, I.
Weekdays 130-1730;
Sun. 310-1730 EST
I1TR 10. Trieste, I.
XHHL .1 Shanghai, Chn.
2HD .5 Newcastle, Ausl.
Box 123. Mon. to Fri.
730-1530; 1630-1730;
19-24; Sat. 730-1530;
1630-1730; 19-130;
Sun. 1030-1330; 1630-
1730; 1830-130
4YO .2 Dunedin, N. Z.
..... 20. London National,
G. B. (1149)
..... 20. North National, G. B.
(1149)
Weekdays 545-1815;
Sun. 1130-1745 EST
..... 20. West National, G.B.
(1149)
Same as North
National

1150(260.7)

- HC2ET .3 Guyaquil, Ec. (1153)
HJ1ABM .05 Cartagena, Cth. (1154)
LRS 7. Buenos Aires, Arg.
Radio Paris, Cangallo
860
OAX4H .. Lima, Peru. Radio
Davila, Aptdo. 373
XGOZ .1 Chinkiang, Chn.
YV7RMO .5 Maracabo, Venez.
(1153)
2WG 1. Wagga, Aus.
16 Fitzmaurice St.
Mon. to Sat. 930-1030;
1330-1530; 1930-24;
Sun. 2130-2330
2ZM .015 Gisborne, N. Z.
Mon., Tue., Wed., Fri.,

- Sat. 915-1015; Thu.
915-1015; 20-2230;
Sun. 19-22
..... 2.6 Kosice, Poland (1158)

1160(258.5)

- CB116 1. Valparaiso, Chile.
Radio Valparaiso,
Prat 773
CW31 .25 Salto, Uru.
Salvador E. Pera. 9-
1230; 16-23
LT5 .5 Resistencia, Arg.
Radio Chaco, Av. 9
de Julio
XHHU .1 Shanghai, Chn.
2KA .1 Katoomba, Ausl.
80 Market St.
4MK .1 Mackay, Ausl.
64 Nelson St., Mon. to
Fri. 11-1230; 15-19; 20-
0030; Sat. 11-19; 20-
0030; Sun. 1130-14;
1630-1830; 20-23
..... 15. Mte. Ceneri, Sw.
(1167)
Report to PTT Berne,
Speighergrasse No. 6
Weekdays 6-17; Sun.
430-1630 EST

1170(256.3)

- CC117 .1 Concepcion, Chile.
Zenith, Rolando
Beckdorf, Av. Argen-
tina 977
CX32 .5 Montevideo, Uru.
Radio Marconi, Gen.
Hornos 537. 10-2
Nagoya, J. (1175)
PRE6 1. Sao Paulo, Radio
Cruzeiro do Sul. Lar-
go da Misericordia 4
Campinas, Brz. (1175)
Radio Educadora di
Campinas
PRC9 .25 XLIF .1 Wushih, China
2NZ 2. Narrabri, Ausl.
2ZD .005 Masterton, N. Z.
W. D. Ansell, 7 Rimu
St. Daily 20-22. Re-
lays 2YA Tue., Fri.,
Sat., Sun.
4TO .2 Townsville, Aus.
Mon., Tue., Thu.,
Fri. 9-4; 1330-1530;
1930-2345; Wed., Sat.,
9-10; 15-19; 1930-2345;
Sun. 2030-2330
..... 10. Cophgen, Den. (1176)
Strats Radio Fienien
Heibergsgrade No. 7

1180(254.1)

- CB118 10. Santiago, Chile. Ra-
dio Bayer, Portal Fer-
nandez Co. 950
RW20 10. Kharkov, U.S.R. (1185)
XHHZ .15 Shanghai, Chn.
3KZ .6 Melbourne, Ausl., S.
Morgan, 64 Elizabeth
St., "The Brighton
Brdestg. Service."
24 Victoria St. Mon.
to Fri. 8-1530; 16-18
1830-100; Sat. 8-1215;

FOREIGN B. C. STATIONS BY FREQUENCIES

1345-230; Sun. 16-18;
1930-24
..... 60. Nice-Corse, France
(1185)

1190(252)

LS2 30. Buenos Aires, Arg.
Radio Prieto, Bolivar
1356
OAX4H .. Lima, Peru. Radio
Zenith, Casa Davile
XLKA .03 Pelping, Chn. (1194)
2CH 1. Sydney, Aust.
77 York St., Mon. to
Fri. 830-15; 1630-0030;
Sat. 830-14; 1445-0030;
Sun. 12-14; 16-2330
..... 25. Frankfurt, G. (1195)
Eschersheimer Lands-
trabe No. 33
Daily 00-20 EST
..... 5. Froiburg, Ga. (1195)
..... 5. Kaiserslautern (1195)
..... 2. Trier, G. (1195)
..... 5. Cassel, G. (1195)
..... 2. Coblenz, G. (1195)

1200(249.9)

CB120 1. Valparaiso, Chile.
Chilena Consolidada,
Edwards 383
CW33 .075 Florida, Uruguay
HJ3ASE 1. Bogota, Cib., Uribe
y Moreno, P. O. Box
317.
LT9 .5 Santa Fe, Argentina.
Radio Roca Soler
OAX4B .25 Lima, Peru
PRD3 .25 Taubate, Brz. (1207)
Sec. Radio Banderi-
ante
XHHN .1 Shanghai, Chn.
YV3RC 3. Caracas, Vnz.
Bajos Pasaje Ramella
VUL .1 Lahore, India.
3YL .25 Christchurch, N. Z.
5KA .3 Adelaide, Aust.
Richards Bldg., Mon.
to Fri. 830-1; Sat. 830-
2; Sun. 12-14; 17-18;
1845-100
No. 2 5. Praha, Cz. (1204)
..... Bangkok, Siam

1210(247.8)

CD121 .1 Osorno, Chile. Radio
Austral, E. Ramirez,
2930
CX34 .5 Montevideo, Uru.
Radio Artigas, Millan
2370. 10-16; 18-23
LV10 .5 Mendoza, Argentina.
Radio de Cuyo
OA4AR .025 Lima, Peru
OA4D .025 Lima, Peru
XGTM .1 Tengchow, Chn.
XHKC .1 Tsingtao, China
XLPK .015 Pinghu, Chn.
XLTC .015 Wusih, Chn.
2GF .1 Grafton, Aust.
47 York St., Mon. 9-
10; 1330-1430; 1930-
2330; Tue. to Sat. 9-10;
1430-1530; 1930-2330
6KG .5 Kalgoolie, Aust.
86 Palace Chambers.
Mon. to Fri. 1430-1630

22-2; Sat. 1730-2030;
2230-2; Sun. 2315-0130
..... 60. Lille, F. (1213) Radio
PTT Nord (testing)
Daily 3-1730 EST

1220(245.8)

PRE3 10. Rio de Janeiro, Brz.
Radio Transmissora
Brasileira
PRG9 .5 Sao Paulo, Brazil.
Radio Excelsior.
XQHG .25 Shanghai, China
4AK 2. Oakey, Aust.
Daily 19-0030
4ZL .1 Dunedin, N. Z.
243 Macandrew Rd.
Mon., Thurs., Sat. 8-9;
1930-23; Tue., Wed.,
Fri. 8-9; Sun. 830-1030
..... 50. Bologna, I. (1222)
..... 3. Narvik, Norway (1222)

1230(243.8)

HJ4ABK .3 Medellin, Cib.
LS8 15. Buenos Aires, Arg.
Radio Stentor, Flo-
rida 8
XLIR .05 Hangchow, China
2NC 2. Newcastle, Aust.
Relays 2FC and 2BL.
Mon. to Fri. 830-1530;
1630-1745; 19-100;
Sat. 830-1030; 1130-
1830; 19-100; Sun.
1130-1815; 1930-24
..... 5. Gleiwitz, G. (1231)

1240(241.8)

CE124 .25 Valparaiso, Chile. A.
Garcia y Cia., Av.
Brasil 212
CW35 .25 Paysandu, Uru.
Buenaventura y
Mahler. 9-13; 17-22
LU7 2. Bahia Blanca, Argenti-
na. Radio Ge. San
Martin, Calle Sa-
ramento 60
LV-14 .5 La Rioja, Arg.
Radio Provincia de La
Rioja
XHHY .1 Shanghai, Chn.
2ZL .02 Hastings, N. Z.
John Holden, 609
Park Rd.
3TR .5 Sale, Aust. A. Gil-
christ, Raymond St.,
"Gippsland's Radio
Station."
Mon. to Fri. 12-15;
19-24; Sat. 12-1430;
1930-24; Sun. 20-24
6CK 1. Cork, I. F. S.
6IX .5 Perth, Aust.
St. George's Terrace.
Mon. to Fri. 1230-1430
2130-230; Sat. 1230-
1545; 2130-230; Sun.
17-1830; 2130-200
..... 2. Orebro, Swe.
..... 17. Saarbrucken, Germ.
(1249)
..... 4. Saffie, Swe.
..... 2. Varberg, Swe.

1250(239.9)

CB125 1. Santiago, Chile
CX36 .25 Montevideo, Uru.
Centenario Brdctg.
Ignacio Nunez 2133.
9-14; 17-24
EAJ8 1. Sn. Sebastian, Sp.
(1258)
HC2JB .03 Gyaquill, Ec.
MABS .035 Tingshien, Chn.
OAX4L .1 Lima, Peru. Radio
Miraflores, Calle
Manco Capac 347
PYG8 .25 Bauru, Brz.
XLIE .05 Wusih, China
No. 3 1. Rome, I. (1258)
..... 10. Kuldiga, Lat. (1258)

1260(238)

XHHP .1 Shanghai, Chn.
12M .175 Manurewa, N. Z.
W. Rodgers, Massey
Rd. Reported on 1360
3WR .5 Shepparton, Aust.
High St. Mon. to Fri.
12-1430; 1930-0030;
Sat. 12-1430; 2030-2330
Sun. 2130-2230
..... 2. Nurnberg, Ga (1267)

1270(236.1)

CA127 .1 Antofagasta, Chile
LKK .5 Khristiansand, Nor.
(1276)
LKS .5 Stavanger, Nor. (1276)
LS9 6. Buenos Aires, Arg.
Radio La Voz del
Aire, Pozos 439.
Lima, Peru (1277)
OA40 .1 Rio de Janeiro, Brz.
PRE8 7. Sec. Radio Nacional
Rua Buenos Aires 120.
Tunis, Tun. (1275)
TUA .5 Wu-hu, Chn.
XLIH .015 Asuncion, Par. (1275)
ZP4 .15 Sydney, Aust., 46 Car-
lington St. "Double
D. Eucalyptus" Aus-
tralia House. Mon. to
Sat. 830-1030; 1430-
24; Sun. 1230-24
..... 2. Juan-les-Pins, F.
(1276) Radio Cote
d'Azur.

1280(234.2)

PRG3 10. Rio de Janeiro, Brz.
XHHQ .08 Shanghai, Chn.
3AW .6 Melbourne, Aust.
218 Exhibition St.
Mon. to Sat. 8-1130;
1230-1; Sun. 1145-14
18-24.
4ZC .007 Cromwell, N. Z.
John I. Bliton, Low-
burn Ferry. Daily
19-21.
..... 1. Aberdeen, G. B. (1285)

FOREIGN B. C. STATIONS BY FREQUENCIES

..... .25 Dresden, G. (1285)
..... .1 Tientsin, Chn.

1290(232.4) []

CX38 .5 Montevideo, Uru.
PRA5 5. Sao Paulo, Brz. (1295)
Radio Club de Sao Paulo, Rua 7 de Abril
XGOB .5 Tsinan, China
4BK .5 Brisbane, Ausl. Mon. to Fri. 830-0030; Sat. 830-0130; Sun. 13-1530
..... 5. Dornbirn, Aust. (1294)
..... 4.2 Klagenfurt, Aust. (1294)
..... 6. Vorarlberg, Aus. (1294)

1300(230.6) []

CB130 1. Santiago, Chile. Mavis, Av. J.D. Canas 565
CPX 5. La Paz, Bol.
LT10 .1 Santa Fe, Arg.
Radio del Inst. Soc. de la Univ. Nac. del Litoral
LU6 .5 Mar del Plata, Arg.
Radio Atlantica.
OAX4C .. Lima, Peru, Estacion Radiofusora DUSA, Calle de Plumeros.
PRC4 .05 Ampara, Brz. (1304)
XQHC .5 Shanghai, Chn.
YVSRMO .15 Maracaibo, Vnz.
2TM 1. Tamworth, Aust.
Peel St. Mon. to Sat. 830-1030; 1330-1530; 17-18; 19-2330; Sun. 1330-1530; 1630-1830; 2030-2330.
..... .5 Danzig, Dan. (1303)

1310(228.9) []

LS7 10. Buenos Aires, Arg.
PRE9 .5 Fortaleza, Brz. (1315)
Ceara Radio Club
SBC 2.5 Malmo, Swe. (1312)
SCK .25 Karlstad, Swe. (1312)
SCO .25 Norrkoping, Swe. (1312)
SCQ .25 Trollhattan, Swe. (1312)
XLIP .05 Suchow, China
5AD .3 Adelaide, Ausl. Weymouth St. Daily 9-100

1320(227.1) []

CB132 1. Valparaiso, Chile. David Wallace, Esmeralda 1111
CD132 .1 Valdivia, Chile. Carlos Kahler, Isla Teja
CW39 .1 Paysandu, Uru. Miguel Penna. 1030-1230; 1730-2245
HAE2 1.25 Magyarovar, Hun. (1321)
HJ3ABK .05 Bogota, Col.
XLIA .015 Ningpo, Chn.
3BA .5 Ballarat, Ausl. Armstrong and Dana Sts. Mon. to Fri. 9-1145; 1330-1530; 2030-24; Sat. 9-1145; 2030-

0030; Sun. 1430-1630; 20-2330

1330(225.4) []

CX40 .5 Montevideo, Uru. Radio Fenix, Chayos 4534; 8-24
HJ1ABA .1 Barranquilla, Cib., E. J. Pellet B. P. O. Box 751
PRE2 .5 R' de Janeiro, Brz. Soc. Radio Cajuti, Rua Conde de Bomfim 457
XGSA .001 Klangyin, Chn. (1335)
XLIK .075 Changchow, Chn.
2BH .1 Broken Hill, Ausl., 10 O'Connell St., Mon. to Sat. 9-11; 20-0030; Sun. 1230-15; 20-24
4RO .05 Rockhampton, Ausl. Mon., Tue., Thu., Fri., Sat. 1930-2330; Wed. 1930-2345; Sun. 2030-2330
6MD .5 Merredin, Aust.
..... 1.2 Montpelier, F. (1339)
..... 2. Bremen, G.
..... 2. Hanover, G.
..... 2. Madgeburg, G.
..... 2. Stettin, G.
..... 2. Flensburg, G.
..... 1.7 Lodz, Pol. (1339)

1340(223.7) []

CB134 1. Santiago, Chile. Radio Alivioli, Gumerindo 885
CW19 .05 Rocha, Uruguay. Juan J. Arispuu y Abel Machado
CW19A .06 Rivera, Uruguay
LKR .15 Rjukan, Nor. (1348)
LT7 .5 Corrientes, Arg. Radio Provinciale Corrientes
OFE .7 Tampere, Finland. (1348)
PRG7 .25 Jahu, Brazil
XGED .015 Suchow, Chn.
XHHR .05 Shanghai, Chn.
2RN 1. Dublin, I.F.S. (1348)
2XN .05 Lismore, Aus. P. O. Box 138B. Mon. to Fri. 830-930; 1530-1630; 1930-2330; Sat. 830-930; 1930-2330
4ZR .004 Balclutha, N. Z. Renton & Clark, Clyde St. Tue. 1930-20; Thu. 19-20; Sun. 10-12; 1930-2130
5MU .1 Murray Bridge, Ausl.
No. 2 .4 Milan, I. (1348)
..... 2. Ille de F., F. (1348)
..... 5. Salzburg, Aust. (1348)
..... 2. Konigsbrg, G. (1348)
..... 5. Cairo, Eg. (1348)

1350(222.4) []

LKN .15 Notodden, Nor. (1357)
LS6 6. Buenos Aires, Arg. Radio del Pueblo, Estados Unidos 1816
OAGE .03 Arequipa, Peru
XGOE 1. Nanning, China
XQKA .15 Tientsin, China

3GL .1 Geelong, Ausl. National Mutual Bldg., Mon. 830-1045; 1430-1530; 19-24; Tue., Wed., Thu., 9-1045; 1430-1530; 19-24; Fri. 845-1045; 1430-1530; 19-24; Sat. 9-1045; 1930-0030; Sun. 2030-2335.
No. 2 .2 Turin, I. (1357)

1360(220.4) []

CD136 .1 Magallanes, Chile. Santiago Aguilera. Valdivia 250
CW41 .05 San Jose, Uru. Radio San Jose 10-14; 18-23
OA4K .1 Lima, Peru
PRC5 .1 Boleyn, Brz. (1364)
PRD4 .25 Radio Club do Para Araraquara, Brs. (1364) Radio Cultura Araraquara, Ave. Foljo 25
PRF9 .5 Rio Grande do Sul, Brz. Empresa Radio-difusora Porto Alegre
XQHD .2 Shanghai, Chn.
2MO .05 Gunnedah, Ausl. P. O. Box 78. Mon. to Sat. 830-1030; 1330-1530; 1930-2330; Sun. 930-1130; 1530-1730; 1930-2330
4PM .1 Port Moresby, Ausl.
No. 2 .1 Turin, I. (1366)

1370(218.8) []

CC137 .1 Temuco, Chile
CX42 1. Montevideo, Uru. Colonial Brdctg. Ave. Italia 3646, 11-24
XLID .05 Hangchow, China
3HS .05 Horsham, Ausl. 84 Wilson St. Mon., Thu. 1330-15; 20-24; Tue., Wed., Fri. 1330-15; 1930-24; Sat. 1330-15; 20-0030; Sun. 1330-15; 2030-2330
..... .5 Basle, Swi. (1375)
..... .5 Berne, Swi. (1375)

1380(217.3) []

CB138 5. Santiago, Chile. El Mercurio, Cia. Esq. Morand
XLHE .05 Shanghai, Chn.
XLHF .05 Shanghai, Chn.
4BH 1. Brisbane, Ausl. Parbury House, Eagle St. Mon. to Fri. 830-1030; 1230-1430; 19-0030; Sat. 830-1030; 19-0030; Sun. 1330-1630; 20-24
No. 2 2. Warsaw, Pol. (1384)

1390(215.7) []

CB139 .1 Valparaiso, Chile.

FOREIGN B. C. STATIONS BY FREQUENCIES

LR11 .5 La Plata, Arg. Radio Univ. Nac. de La Plata
XLIN .05 Wush, Chn.
2GN .2 Goulburn, Ausl. Auburn St. Mon. to Fri. 1345-1515; 1930-24; Sat. 1330-1430; 1930-24; Sun. 2030-2330
4CA .1 Cairns, Australia
 25. Radio-Lyons, F. (1393)

1400(214.2)

CB140 .1 San Antonio, Chile. Vina Santa Rita, Pob. Coop. Victoria, Casa 212
CW37 .025 Colonia, Uruguay. Bernotti Montellanos Lavalleja, Uruguay
CW43 .1 FFZ .25 Shanghai, Chn.
OA6D .15 Arequipa, Peru
PRD5 1. R^o de Janeiro, Brz. Dpto. de Educacao da Pref. Largo da Carioca 5
LXHO .1 Shanghai, Chn.
ZZO .1 Palmerston, N. Z. J. V. Kyle, 50 Waldegrave St. Tue. 1830-22; Thu. 1830-21; Sun. 10-1230
5 Ornskoldsvik, Swe. (1402)
 1. Umea, Swe. (1402)

1410(212.6)

CC141 .1 Concepcion, Chi. Radio Phillips, Cau-polican 370.
CX44 .2 Montevideo, Uru. SADREP, Solis Grande 912. 8-2
PRB5 .05 Franca, Brz. (1415) Radio Club Hertz Uberaba, Brz.
PRES .25 Radio Soc. Triangulo Minero
XHIA .06 Chuchow, China
2KO .5 Newcastle, Ausl. 57 Hunter St. Mon. to Fri. 830-1730; 1830-24; Sat. 1130-0030; Sun. 1030-1130; 1930-2330
05 Uddevalla, Swe. Portuguese Common Wave (1411)

1420(211.1)

125 .05 Auckland, N. Z.
3XY .6 Melbourne, Ausl. Princess Theatre. Mon. to Sat. 8-1530; 1615-01; Sun. 1130-14; 16-24
3 Beilers, F. (1429) Radio-Midi
5 Alexandria, Eg. (1429)
6 Turku, Fin. (1429)
 10. Vaasa, Finland, O. Y. Suomen Yleisradio A. B.

1430(209.7)

CC143 .1 Talca, Chile. Radio Atlantida, Enrique Garcia, Molino Sandoval
HAE3 1.25 Miskolc, Hung. (1438)
PRD7 .25 Sorocaba, Brz. Radio Club Sorocaba
RW10 100. Minsk, U.S.R. (1438)
2WL .3 Wollongong, Ausl.
4GY .05 Gympie, Ausl.

1440(208.2)

CB144A .1 Santiago, Chile. Nacimiento, J. Infanta 2290
CB144B .1 Santiago, Chile. Los Cuatro Ases, Roman Diaz 2000
CB144C .15 Santiago, Chile. Luis Desmaras Los Leones, Callela 2860
CB144D .1 Santiago, Chile La Plata, Arg. Radio LS11 .7 Proa. de Bs. Aires.
OA6U .05 Arequipa, Peru (1443)
PRG4 .25 Jabotical, Brz. Radio Club Jabotical (1442)
XLHQ .03 Shanghai, Chn.
2QN .05 Denilquin, Ausl.
4IP .05 Ipswich, Ausl.
 Spanish Common Wave (1447).

1450(206.8)

CC145 .1 Rancagua, Chile
CX46 1.5 Montevideo, Uru. Radio America, Camino Corrales 2808. 10-24
XGOM .015 Peiping, China
XL1B .015 Suchow, Chn.
XOMO .015 Peiping, Chn.
2BS .1 Bathurst, Ausl.
4AY .3 Ayr, Ausl. Reported on 860 kcs.
 5. Paris, F. (1456) Eiffel Tower.

1460(205.4)

CB146 .1 San Felipe, Chile. Ilustre Municipalidad, Baquedano 715
HAE4 1.25 Pecs, Hun. (1465)
ON4EB .1 Antwerp, Belg. (1465)
XQHE .25 Shanghai, Chn.
ZPS .15 Asuncion, Par. (1465)
7UV .3 Ulverstone, Ausl.
1 Courtral, Blg. (1465)
 Begs, Ausl.

1470(204)

LT11 .5 Parana, Argentina
XGDZ .001 Changchow, Chn.
2BE .1 Bega, Ausl.
2RQ .05 Griffith, Australia

3ZM .06 Christchurch, N. Z. Green & Younger, 253 Brougham St. Mon. to Thu. 730-10; 17-18; 19-22; Fri. 730-10; Sat. 730-10; 20-24; Sun. 11-14; 17-18; 19-22
3 Plymouth, G. B.
 1. Bournemouth, G. B. (1474)

1480(202.6)

CW47 .1 Canelones, Uru. Rafael J. Espiga, 11-14; 16-23
XQHF .2 Shanghai, Chn.
2AY .1 Albany, Ausl. John Dower, 47 York St., (Sydney). Mon. to Fri. 1345-1515; 19-24; Sat. 14-1515; 19-0030
4BU .1 Bundaberg, Ausl.

1490(201.2)

CX48 1.5 Montevideo, Uruguay
ON4CE .1 Chatelineau, Blg. (1492)
XLKS .02 Kashing, Chn.
No. 1 .1 Wallonia, Belg. (1492)
3MB .1 Birchip, Australia
1 Binche, Blg. (1492)
2 Nimes, F. (1492)
1 Courtral, Belg.
 Spanish Common Wave (1492)
 See EAJ in Index by Calls

1500(199.9)

CB150 10. Santiago, Chile. Markoff Hnos. Cali, Colombia
HJ5ABE .. Jose Calderon N. Cia. Radidifusora Colombiana, S. A. Aptd. 50
PRG6 .25 Cruzeiro, Brz. Soc. Radio Mantiqueira
VUP 2. Peshawar, India
XHHT .1 Shanghai, Chn.
XOCL .0075 Tsinan, Chn.
3AK .2 Melbourne, Ausl.
2 Hebart, Ausl.
25 Pietasaari, Fin.
2 Radio Alcala, Sp.
 Belgium has several 100 watt stations on 1500.

1510(198.6)

YDA .5 Tandjongpriok, Java

1530(196.0)

SCJ .2 Kariskrona, Swe.

FOREIGN B. C. STATIONS BY LOCATIONS

SOUTH AMERICA			Concepcion			Modellin		
ARGENTINA			Belém			HJ4ABK 1230		
Bahia Blanca			PRCS 1360			100		
LU2 900			Bello Horizonte			ECUADOR		
LU7 1240			PRC7 1090			Guayaquil		
Buenos Aires			Campinas			HC2ET 1153		
LR1 1070			PRC9 1175			HC2JB 1250		
LR2 910			Cruzeiro			300		
LR3 950			PRG6 1500			30		
LR4 990			Curitiba			PARAGUAY		
LR5 830			PRB2 882			Asuncion		
LR6 870			Fortaleza			ZP1 1135		
LR7 750			PRE9 1315			ZP3 1000		
LR8 1150			Franca			ZP4 1275		
LR9 1030			PRB5 1415			ZP5 1465		
LR10 790			Jabotical			ZP7 1083		
LS1 710			PRG4 1442			ZP9 898		
LS2 1190			Jahu			Villarica		
LS3 630			PRG7 1340			ZP15 700		
LS4 670			Juiz de Fora			PERU		
LS5 1110			PRB3 857			Arequipa		
LS6 1350			Mogy das Cruces			OA6D 1400		
LS7 1310			PRB8 1000			OA6E 1350		
LS8 1230			Niteroy			OA6U 1443		
LS9 1270			PRD8 1132			Lima		
LS10 590			Polotas			OAX4A 750		
Cordoba			PRC3 920			OAX4B 1200		
LV2 960			Pernambuco			OAX4C 1300		
LV3 620			PRAS 750			OAX4E 980		
Corrientes			Porto Alegre			OAX4F 1080		
LT7 1340			PRC2 1090			OAX4H 1150		
La Plata			PRH2 600			OAX4I 1190		
LR11 1390			Rio Claro			OAX4J 1120		
LS11 1440			PRF2 725			OAX4L 1250		
La Rioja			Rio de Janeiro			OAX4R 1210		
LV14 1240			PRA2 750			OAX4K 1360		
Melo del Plata			PRA3 860			OAX4D 1270		
LUG 1300			PRA9 1800			25		
Mendoza			PRB7 809			150		
LV6 690			PRC6 980			100		
LV10 1210			PRC8 1030			10000		
Parana			PRD2 932			Talca		
LT11 1470			PRD5 1400			CC143 1430		
Resistencia			PRE2 1330			CC148 840		
LT5 1160			PRE3 1220			Temuco		
Rosario			PRE4 940			CC58 580		
LT1 780			PRE8 1270			CC137 1370		
LT3 1080			PRF4 923			Valdivia		
LT8 840			PRG3 1280			CD132 1320		
San Juan			PRH8 820			Valparaiso		
LV1 730			Rio Grande do Sul			CB68 680		
LV5 1120			PRF9 1360			CB76 760		
Santa Fe			Santos			CB84 840		
LT9 1200			PRB4 960			CB90 900		
LT10 1300			PRG5 720			CB116 1160		
Tucuman			Sao Paulo			CB120 1200		
LV7 820			PRA5 1295			CB124 1240		
BOLIVIA			PRA6 815			CB132 1320		
La Paz			PRA7 706			CB139 1390		
CPX 1300			PRB6 1170			Vina del Mar		
CP4 1040			PRB9 1017			CB64 640		
BRAZIL			PRB7 788			CB111 1110		
Amparo			PRF3 900			COLOMBIA		
PRC4 1300			PRC9 1220			Barranquilla		
Araraquara			PRH3 1120			HJ1ABA 1330		
PRD4 1364			PYG2 1070			Bogota		
Bahia			Sorocaba			HJN 681		
PRA4 840			PRD7 1430			HJ3ABD 1100		
PRF6 1050			PRD9 769			HJ3ABE 1200		
PRF8 950			Taubate			HJ3ABH 1005		
			PRD3 1207			HJ3ABK 1320		
			Uberaba			Cartagena		
			PRF5 1416			HJ1ABM 1154		
			PRE6 740					
			CHILE					
			Antofagasta					
			CA127 1270					

FOREIGN B. C. STATIONS BY LOCATIONS

Paysandu CW35 1240 250 CW39 1320 100 Rivera CW19A 1340 60 Rocha CW19 1340 50 Salto CW23 820 250 CW27 680 250 CW31 1160 250 San Jose CW41 1360 50	CZECHOSLOVAKIA Bratislava OKR 1004 13500 Brno OKB 922 32000 Kosice 1158 2600 Moravska OKK 1113 11200 Praha OKP 633 120000 No. 2 1204 5000	Radio-Normandie 1113 10000 Rennes 1040 40000 Strasbourg SPIT 859 35000 Toulouse 776 2000 913 60000	Manchester NN 1149 20000 NR 668 70000 Newcastle 1122 1000 Plymouth 1474 300
VENEZUELA Caracas YV1RC 960 5000 YV3RC 1200 3000 YV4RC 750 100 Maracaibo YV5RMO 1300 150 YV7RMO 1153 500 YV11RMO 1034 Valencia YV6RV 670 350	DANZIG Danzig 1303 500 DENMARK Copenhagen 1176 10000 ESTONIA Tallinn 731 20000 Tartu 517 500 FINLAND Helsinki OFA 895 10000 Pietarsaari 1500 250 Pori OFD 749 1000 Sortavala 749 200 Tampere OFE 1420 700 Turku 1429 500 Viipuri OFH 527 10000	GERMANY Berlin 841 100000 Bremen 1330 2000 Breslau 950 100000 Cassel 1195 2000 Coblenz 1195 2000 Cologne 658 100000 Dresden 1285 250 Flensburg 1330 2000 Frankfurt 1195 25000 Freiburg 1195 5000 Gleitwitz 1231 5000 Hamburg 904 100000 Hanover 1330 2000 Kaiserslautern 1195 1500 Konigsberg 1031 10000 1348 2000 Leipzig 785 120000 Magdeburg 1330 2000 Munich 740 100000 Nurnberg 1267 2000 Saarbrucken 1249 17000 Stettin 1330 2000 Stuttgart 574 100000 Trier 1195 2000	HUNGARY Budapest HAL 546 120000 Magyarovar HAE-2 1321 1250 Miskolc HAE-3 1438 1250 Nyiregyhaza HAE 1122 6200 Pecs HAE-4 1465 1250
EUROPE			
AUSTRIA Dornbirn 1294 500 Graz 886 7000 Innsbruck 519 1000 Klagenfurt 1294 4200 Linz 886 15000 Salzburg 1348 500 Vienna 592 120000 Vorarlberg 1294 6000			
BELGIUM Antwerp ON4EB 1465 100 Binche 1492 100 Brussels No. 1 620 15000 No. 2 932 15000 Chateaufort ON4CE 1492 100 Courtrai 1465 100 Liege ON4RW 1500 100 Radio Comte 1500 100 Seraing 1500 100 Verviers No. 1 1500 100 No. 2 1500 100 Waltonia No. 1 1492 100 No. 2 1500 100	FRANCE Beziere 1429 300 Bordeaux 1077 30000 968 2509 Grenoble 583 15000 Juzen-les-Pins 1276 2000 Lille 1213 60000 Limoges 895 500 Lyons 648 90000 RL 1393 25000 Marseilles 749 120000 Montpellier 1339 1200 Nice 1185 60000 Nimes 1492 200 Paris FPTT 695 120000 ILLE 1348 800 PP 959 60000 Eiffel 1456 20000 1068 800	GREAT BRITAIN Aberdeen 1285 1000 Belfast 977 100000 Bournemouth 1474 1000 Cardiff WR 804 70000 WN 1149 20000 Darenty MR 1013 70000 Falkirk SN 1050 50000 SR 767 70000 London LN 1149 20000 LR 877 70000	IRISH FREE STATE Athlone 565 60000 Cork 6CK 1240 1000 Dublin 2RN 1348 1000 ITALY Bari IIBA 1059 20000 Bologna 1222 50000 Bolzano IIBZ 536 10000 Firenze IIFI 610 20000 Genoa IIGE 986 10000 Milan IIMI 814 50000 No. 2 1348 4000 Naples IINA 1104 1500 Palermo IIPA 565 4000 Rome IIRO 713 50000 No. 3 1258 1090 Trieste IITR 1140 10000 Turin IITO 1140 7090 No. 2 1357 200
BULGARIA Sofia 850 1000			LATVIA Kuldiga 1258 10000 Madona 1104 50000 Riga YLZ 583 15000 LITHUANIA Klaipeda 560 10000 NETHERLANDS Hilversum PFBI 995 60000

FOREIGN B. C. STATIONS BY LOCATIONS

NORWAY		
Aalesund	850	350
LKA	850	1000
Bergen	850	1000
LKB	850	1000
Bodo	686	500
LKD	686	500
Fredrikstad	776	1000
LKF	776	1000
Hamar	519	700
LKH	519	700
Kristianssand	1276	500
LKK	1276	500
Narvik	1222	300
Netodden	1357	150
LKN	1357	150
Porsgrund	850	1000
LKP	850	1000
Rjukan	1348	150
LKR	1348	150
Stavanger	1276	500
LKS	1276	500
Trondelag	629	20000
LKT	629	20000
POLAND		
Cracow	1022	2000
Katowice	758	12000
Lodz	1339	1700
Lwo	795	16000
Poznan	868	16000
Torun	986	24000
Warsab	No. 2	1384 2000
Wilno	536	16000
PORTUGAL		
Lisbon	629	20000
CTIAA	629	20000
Pared	1031	5000
CTIGL	1031	5000
ROUMANIA		
Bucharest	823	12000
SPAIN		
Alcala	1500	200
Barcelona	795	7500
EAJ1	1022	3000
EAJ15	1022	3000
Madrid	731	3000
EAJ2	1095	10000
EAJ7	795	10000
Oviedo	1022	700
EAJ19	1022	700
San Sebastian	1258	1000
EAJ8	1258	1000
Seville	731	5500
EAJ5	731	5500
Valencia	850	3000
EAJ3	850	3000

Spain has many stations of 100 watts or less on 1492 and 1500 kcs. For complete list see Index by Calls.

SWEDEN		
Falun	1086	2000
SCC	1086	2000
Goteborg	941	10000
SBB	941	10000
Horby	1131	10000
SBH	1131	10000
Karliskrona	1530	200
SCJ	1530	200
Karlstad	1312	250
SCK	1312	250
Malmö	1312	2500
SBC	1312	2500
Norrköping	1312	250
SCO	1312	250
Orebro	1240	200
Ornskoldsvik	1402	500
Saffle	1240	400
Stockholm	704	55000
SBA	704	55000
Sundsvall	601	10000
SBD	601	10000
Trollhattan	1312	250
SCQ	1312	250
Uddevalla	1410	50
Umea	1402	1000
Varberg	1240	200
SWITZERLAND		
Basle	1375	500
Berne	1375	500
Beremunster	556	100000
Monte Ceneri	1167	15000
Sottens	677	100000
U. S. S. R.		
Alexandrovsk	662	2000
RW38	662	2000
Archangel	586	10000
RW36	586	10000
Astrakhan	598	10000
RW35	598	10000
Dnepropetrovsk	913	10000
RW30	913	10000
Elista	704	2500
RW48	704	2500
Engels	932	1000
RW55	932	1000
Frounze	608	2500
RW82	608	2500
Gemel	959	1000
RW40	959	1000
RW54	959	1000
Gorki	565	10000
RW42	565	10000
Groznyl	676	1000
RW23	676	1000

IGARKA		
RW85	871	2000
Ijevsk	767	3000
RW78	767	3000
Iochar-Ola	888	1000
RW61	888	1000
Ivanovo	625	10000
RW31	625	10000
Karaganda	686.5	1200
RW46	686.5	1200
Kazan	686	10000
RW17	686	10000
Kharkov	1185	10000
RW20	1185	10000
Kiev	722	36000
RW9	722	36000
Krasnodar	1050	1000
RW33	1050	1000
Leninsgrad	1040	10000
RW70	1040	10000
Magnitogorsk	571	10000
.....	571	10000
Makhatch	689	4000
RW27	689	4000
Minsk	1438	100000
RW10	1438	100000
Moscow	832	100000
RW39	832	100000
Mourmansk	610	10000
RW79	610	10000
Nalchik	794	1000
RW51	794	1000
Odessa	968	10000
RW13	968	10000
Ordjonikidze	740	10000
RW64	740	10000
Oufa	617	10000
RW22	617	10000
Oust-Abakansk	617	2500
RW50	617	2500
RW84	635	1200
Penza	640	1200
RW56	640	1200
Petrovavlovsk	689	1200
RW71	689	1200
Petrozavodsk	648	10000
RW29	648	10000
Prattigorsk	610	1000
RW18	610	1000
Samara	710	10000
RW16	710	10000
Saransk	734	1000
RW65	734	1000
Simferopol	859	10000
RW73	859	10000
Stalingrad	522	10000
RW34	522	10000
Stalino	776	10000
RW26	776	10000
Syktuykar	563	1200
RW41	563	1200
Tchoboksary	680	1200
RW74	680	1200
Tcholiabinsk	577	1500
RW68	577	1500
Tchernigov	1013	5000
RW86	1013	5000
Tchita	556	20000
RW52	556	20000
Tiraspol	1068	4000
RW57	1068	4000
Vinnitza	1095	10000
RW75	1095	10000
Urdjonikidze	752	10000
RW64	752	10000
Vladivostok	635	800
RW23	635	800
RW32	635	10000

YUGOSLAVIA		
Belgrade	686	2500
Ljubijana	527	5000
Zagreb	1086	700
.....	1086	700
ASIA		
CEYLON		
Coleombo	705	1750
VPB	705	1750
CHINA		
Amoy	910	50
XLIM	910	50
Canton	750	1000
XGOK	750	1000
XKRI	1071	100
Chang-Chow	1470	10
XGDZ	1470	10
XLIK	1330	75
Chang-sha	590	150
XGOH	590	150
XGTM	840	15
Chengtu	560	10000
XGOG	560	10000
Chinkiang	1150	1000
XGOZ	1150	1000
Chuching	990	7.5
XGCK	990	7.5
Chungking	711	1000
XGOS	711	1000
Foo-chow	1030	1000
XGOL	1030	1000
Hangchow	990	2000
XGOD	990	2000
XLID	1376	50
XLIO	850	50
XLIR	1230	50
Hangkow	1010	5000
XGOW	1010	5000
XHJA	570	100
Hongkong	845	2000
ZBW	845	2000
Kaifeng	1070	200
XGOQ	1070	200
Kiangyin	1335	10
XGSA	1335	10
Kaoyu	1110	15
XLIG	1110	15
Kashing	895	15
XGAK	895	15
XGML	714.3	7.5
XLKS	1490	20
Kunming	690	250
XGOY	690	250
Nan-chang	1130	500
XGOC	1130	500
Nanking	660	75000
XGOA	660	75000
Nannin	1350	1000
XGOE	1350	1000
Ningpo	770	75
XHID	770	75
XLIA	1320	15
Peiping	1450	15
XGOM	1450	15
XGOP	950	300
XLKA	1194	30
Pinghu	1210	15
XLPH	1210	15
Poatung	1005	15
XGMK	1005	15

FOREIGN B. C. STATIONS BY LOCATIONS

Shanghai		
FFZ	1400	250
XHHB	740	50
XHHH	860	50
XHHE	940	1000
XHHF	960	100
XHHG	1020	100
XHHH	1040	100
XHHI	1060	100
XHHJ	1080	200
XHHK	620	100
XHHL	1140	100
XHHN	1200	100
XHHP	1260	100
XHHQ	1280	80
XHHR	1340	50
XHHS	1100	100
XHHT	1500	100
XHHU	1160	100
XHHV	880	100
XHHX	920	1000
XHHY	1240	100
XHHZ	1180	150
XLHA	780	50
XLHB	560	45
XLHC	720	50
XLHD	720	50
XLHE	1350	50
XLHF	1350	50
XLHG	640	100
XLHI	760	7.5
XLHJ	760	100
XLHK	800	7.5
XLHL	800	100
XLHM	1120	50
XLHN	1120	200
XLHO	1400	100
XLHQ	1440	30
XMHA	600	1000
XMHB	980	500
XMHC	700	500
XMHD	840	1000
XQHA	580	250
XQHB	820	30
XQHC	1300	1000
XQHD	1360	200
XQHE	1460	250
XQHF	1480	200
XQHG	1220	250
Shanghai		
XLIO	1090	20
Shuhing		
.....	1090	.....
Suchow		
XHIC	870	75
XLIP	1310	50
XLIB	1450	15
Taiyuan		
XGOT	1000	50
Tengchow		
XGTM	1210	100
Tientsin		
XHKA	1050	200
XOKA	1350	150
XOKB	750	150
XOKC	810	200
Tingshen		
MABS	1250	35
Tsinan		
XGF	833	7.5
XGOB	1290	500
XGOF	850	500
XOCL	1500	7.5
Tsingtao		
XHKB	590	100
XHKB	1210	100

Tsunshi		
XGSS	610	15
T'ung Hsien		
LUHO	750	20
Wuchow		
XHGS	730	50
Wu-hu		
XLIE	1250	50
XLIH	1270	15
XGWH	830	30
Wushih		
XHIB	970	75
XLIF	1170	100
XLIJ	790	50
XLIN	1390	50
XLTC	1210	15
XLWU	1250	50
FORMOSA		
Taichu		
JFCK	580	1000
Taihooku		
JFAK	670	10000
Tainan		
JFBK	720	1000
INDIA		
Bombay		
VUB	855	3000
Calcutta		
VUC	810	3000
Delhi		
VUG	933	1000
Lahore		
VUL	1200	100
Madras		
VUM	770	200
INDO-CHINA		
Saigon		
F31CD	840	12000
JAPAN		
Akita		
JOUK	645	300
Asahigawa		
JOCG	655	300
Fukui		
JOFG	990	300
Fukuoka		
JOLK	680	500
Hakodate		
JOVK	680	500
Hamamatsu		
JODG	635	500
Hiroshima		
JOFK	850	10000
Kagoshima		
JOHG	1050	500
Kanazawa		
JOJK	710	3000
Kochi		
JORK	720	500
Kofu		
JOKG	800	500
Kokura		
JOSK	735	1000
Kumamoto		
JOGK	790	10000
Kyoto		
JOOK	960	300
Maezashi		
JOBG	970	500

Matsuye		
JOTK	625	500
Miyazaki		
JONG	600	500
Nagano		
JONK	940	500
Nagasaki		
JOAG	930	500
Nagoya		
JOCK-1	810	10000
JOCK-2	1175	10000
Niigata		
JOOK	920	500
Obihiro		
JOOG	1080	500
Okayama		
JOKK	700	500
Osaka		
JOBK-1	750	10000
JOBK-2	1085	10000
Sapporo		
JOIK	830	10000
Sendai		
JOHK	770	10000
Shizuoka		
JOPK	780	500
Tokushima		
JOXK	980	500
Tokyo		
JOAK-1	590	150000
JOAK-2	590	10000
Tottori		
JOLG	890	500
Toyama		
JOIG	1060	500
Yamaqata		
JOJG	1040	500
JAVA		
Tandjongprik		
YDAS	1510	500
KOREA		
Fuzan		
JBAC	1030	150
Seoul		
JODK-1	900	10000
JODK-2	610	10000
MANCHUOKUO		
Dairen		
JOAK	652	500
Harbin		
MTFY	675	3000
Hsinking		
MTCY	560	100000
Mukden		
MTBY	890	1000
PALESTINE		
Jerusalem		
.....	668	20000
PHILIPPINES		
Manila		
KZEG	780	1000
KZIB	900	1000
KZRM	618.5	50000
SIAM		
Bangkok		
HSP-1	856	2500
HS7PJ	750	15000
.....	1200	.....

AFRICA		
ALGERIA		
Algiers		
.....	941	12000
EGYPT		
Alexandria		
.....	1122	500
.....	1429	500
Cairo		
.....	620	20000
.....	1348	500
KENYA		
Nairobi		
VQ7LO	858	600
MOROCCO		
Rabat		
CNR	601	25000
SOUTH RHODESIA		
Salisbury		
.....	681.8	1500
TUNISIA		
Tunis		
TUA	1275	500
UNION S. AFRICA		
Bloemfontaine		
ZTB	790	500
Cape Town		
ZTC	600	10000
Durban		
ZTD	750	1500
Grahamstown		
ZUG	560	10000
Johannesburg		
ZTJ	645	10000
Maritzburg		
.....	750	10000
Pretoria		
ZTP	952	500
OCEANIA		
AUSTRALIA		
Adelaide		
5AD	1310	300
5CL	730	2000
5DN	960	300
5KA	1200	300
Albury		
2AY	1480	100
Applecross		
6PR	880	500
Armidale		
2AD	1080	100
Ayr		
4AY	1450	300
Ballarat		
3BA	1320	500
Bathurst		
2BS	1450	100
Bega		
2BE	1470	100
Bendigo		
3BO	970	2000

FOREIGN B. C. STATIONS BY LOCATIONS

									NEW ZEALAND		
Birchip	1490	100	Ipswich	1440	50	Perth	1240	500	Auckland		
Brisbane			Kalgoorlie			6MX	1130	500	1YA	650	10000
4BC	1120	1000	6GF	720	2000	6ML	690	3500	1YX	880	150
4BH	1380	1000	6KG	1210	500	6WF			1ZB	1090	90
4BK	1290	500	Katanning			Port Moresby			1ZS	1420	50
4QG	800	2500	6KA	1070	2000	4PM	1360	100	Balclutha		
Broken Hill			Katoomba			Renmark			4ZR	1340	4
2BH	1330	100	2KB	1160	100	5RM	850	1000	Christchurch		
Bundaberg			Keiso			Rockhampton			3YA	720	10000
4BU	1480	100	7NT	710	7000	4RK	910	2000	3YL	1200	250
Burnie			Launceston			4RO	1330	50	3ZM	1470	60
7BU	660	50	7LA	1100	300	Sale			Cromwell		
Cairns			Lismore			3TR	1240	500	4ZC	1280	7
4CA	1390	100	2XN	1340	50	Shepparton			Dunedin		
Canberra			Longford			3WR	1260	500	4YA	790	10000
2CA	1050	500	3GI	830	7000	Swan Hill			4YO	1140	200
Clevedon			Longreach			3SH	1080	100	4ZB	1010	20
4QN	600	7000	4LG	1100	300	Sydney			4ZL	1220	100
Corowa			Mackay			2BL	740	3000	4ZM	1010	30
2CO	670	7500	4MK	1160	100	2CH	1190	1000	4ZO	1010	25
Crystal Brook			Maryborough			2FC	610	3500	Gisborne		
5CK	640	7500	4MB	1060	100	2GB	870	1000	2ZJ	980	200
5PI	1040	2000	Melbourne			2KY	1020	1000	2ZM	1150	15
Cummock			3AK	1500	200	2SM	1270	1000	Greymouth		
2CR	550	10000	3AR	530	4500	2UE	950	1000	3ZR	940	175
Deniliquin			3AW	1280	600	2UW	1110	750	Hastings		
2QN	1440	50	3DB	1030	600	Tamworth			2ZL	1240	20
Dubbo			3KZ	1180	600	2TM	1300	1000	Invercargill		
2DU	1060	100	3LO	770	3500	Toowoomba			4ZP	620	100
Geelong			3UZ	930	600	2GR	1000	500	Manurewa		
3GL	1350	100	3XY	1420	600	Townsville			1ZM	1260	175
Goulburn			Merredin			4TO	1170	200	Masterton		
2GN	1390	200	6MD	1330	500	Ulverstone			2ZD	1170	5
Grafton			Mildura			U7V	1460	300	Napier		
2GF	1210	100	3MA	900	100	Wagga			2ZH	820	65
2NR	700	7000	Minding			2WG	1150	1000	Nelson		
Griffith			6WA	560	10000	Warrnambool			2ZR	920	30
2RG	1470	50	Murray Bridge			3YB	1060	50	New Plymouth		
Gunnedah			5MU	1340	100	Warwick			2YB	760	100
2MO	1360	50	Narrabri			4WK	960	50	Palmerston N.		
Gympie			2NZ	1170	2000	Wollongong			2ZF	966	150
4GY	1430	50	Newcastle			2WL	1430	300	2ZO	1400	100
Hamilton			2ED	1140	500	FIJI			Wairoa		
3HA	1010	300	2KO	1410	500	Suva			2ZP	900	105
Hobart			2NC	1230	2000	ZJV			Wellington		
7HO	860	120	Northam			NEW CALEDONIA			2YA	570	5000
7ZL	590	1000	6AM	980	2000	Neumea			2YC	840	250
Horsham			Oakey			FJP					
3HS	1370	50	4AK	1220	2000						
Invernell			Orange								
2LV	820	100	2GZ	990	2000						

The new Yankee Network has officially been started, with offices at 21 Brookline Ave., Boston, Mass., and WNAC of Boston as the key station. Other stations in this chain are: WEAN, Providence; WICC Bridgeport; WMAS, Springfield; WFEA, Manchester; WNBH, New Bedford; WTIC, Hartford; WTAG, Worcester; WCSH, Portland; WLBZ, Bangor; WSAR, Fall River; WLLH, Lowell; and WATR, Waterbury.

* * *

A New York State regional network has been opened under the

name of the New York State Broadcasting System, with headquarters are 114 E. 58th St. in New York City. The six stations comprising this system are WINS in New York; WIBX, Utica; WSAY, Rochester; WABY, Albany; WMBO in Auburn and WBNY at Buffalo.

* * *

The FCC has authorized a new radio station for Eau Claire, Wisc., replacing WTAQ which recently was moved to Green Bay. It will be a 250 watt daytime station operating on 1050 kcs.

FOREIGN B. C. STATIONS BY CALLS

CA127	1270	CX20	930	HJ3ABE	1200	LR5	830	PRB3	857	RW54	580	XGOQ	1070
CB57	570	CX22	970	HJ3ABH	1005	LR6	870	PRB4	960	RW54	950	XGOS	711
CB62	620	CX24	1010	HJ4ABJ	1000	LR7	750	PRB5	1415	RW55	932	XGOT	1000
CB64	640	CX26	1050	HJ4ABK	1230	LR8	1150	PRB6	1170	RW56	640	XGOW	1010
CB68	680	CX28	1090	H5P1	856	LR9	1030	PRB7	800	RW57	1068	XGOY	690
CB73	730	CX30	1130	H57PJ	750	LR10	790	PRB8	1000	RW61	888	XGOZ	1150
CB76	760	CX32	1170	11BA	1059	LR11	1390	PRB9	1017	RW64	740	XGSA	1335
CB78	780	CX34	1210	11BZ	536	LS1	710	PRC2	1090	RW65	734	XGSS	610
CB82	820	CX36	1250	11FI	610	LS2	1190	PRC3	920	RW68	577	XGTM	840
CB84	840	CX38	1290	11GE	986	LS3	630	PRC4	1304	RW70	1040	XGTM	1210
CB89	890	CX40	1330	11MI	814	LS4	670	PRC5	1364	RW71	689	XHGS	730
CB90	900	CX42	1370	11NA	1104	LS5	1110	PRC6	980	RW73	859	XHHB	740
CB93	930	CX44	1410	11PA	565	LS6	1350	PRC7	1090	RW74	680	XHHD	860
CB97	970	CX46	1450	11RO	713	LS7	1310	PRC8	1030	RW75	1095	XHHE	940
CB101	1010	CX48	1490	11TO	1140	LS8	1230	PRC9	1175	RW78	767	XHHF	960
CB106	1060	EAJ1	790	11TR	1140	LS9	1270	PRD2	932	RW79	610	XHHG	1020
CB111	1110	EAJ2	735	JBAK	1030	LS10	590	PRD3	1207	RW82	608	XHHH	1040
CB113	1130	EAJ3	850	JFAK	670	LS11	1440	PRD4	1364	RW84	635	XHHI	1060
CB114	1140	EAJ4	1492	JFBK	720	LT1	780	PRD5	1400	RW85	871	XHHJ	1080
CB116	1160	EAJ5	731	JFCK	580	LT3	1080	PRD7	1430	RW86	1013	XHHK	620
CB118	1180	EAJ6	1492	JOAG	930	LT5	1160	PRD8	1132	SBA	704	XHHL	1140
CB120	1200	EAJ7	1095	JOAK-1	590	LT7	1340	PRD9	769	SBB	941	XHHN	1200
CB124	1240	EAJ8	1258	JOAK-2	590	LT8	840	PRE2	1330	SBC	1312	XHPH	1260
CB125	1250	EAJ9	1492	JOBG	970	LT9	1200	PRE3	1220	SBD	601	XHHQ	1280
CB130	1300	EAJ10	1492	JOBK-1	750	LT10	1300	PRE4	941	SBH	1131	XHHR	1340
CB132	1320	EAJ11	1500	JOBK-2	1085	LT11	1470	PRE5	1410	SCA	1402	XHHS	1100
CB134	1340	EAJ12	1492	JOCC	655	LUHO	750	PRE6	740	SCB	1402	XHHT	1500
CB138	1380	EAJ13	1492	JOCK-1	810	LU2	900	PRE7	783	SCC	1086	XHHU	1160
CB139	1390	EAJ14	1500	JOCK-2	1175	LU6	1300	PRE8	1270	SCD	1402	XHHV	880
CB140	1400	EAJ15	1022	JODG	635	LU7	1240	PRE9	1315	SCF	1402	XHHX	920
CB144A	1440	EAJ16	1492	JODK-1	900	LV1	730	PRF2	725	SCF	1402	XHHY	1240
CB144B	1440	EAJ17	1492	JODK-2	610	LV2	960	PRF3	900	SCG	1402	XHHZ	1180
CB144C	1440	EAJ19	1022	JOFJ	990	LV3	620	PRF4	923	SCI	1402	XHIA	1410
CB144D	1440	EAJ20	1492	JOFF	850	LV5	1120	PRF6	1050	SCI	1402	XHIB	970
CB146	1460	EAJ21	1492	JOGK	790	LV6	690	PRF7	1380	SCJ	1530	XHIC	870
CB150	1500	EAJ23	1492	JOHG	1050	LV7	820	PRF8	950	SCK	1312	XHID	770
CC58	580	EAJ24	1492	JOHK	770	LV10	1210	PRF9	1360	SCL	1402	XHJA	570
CC64	640	EAJ25	1502	JOIQ	1060	LV14	1240	PRG3	1280	SCM	1402	XHKA	1050
CC84	840	EAJ26	1502	JOHK	770	MABS	1250	PRG4	1442	SCN	1402	XHKB	590
CC96	960	EAJ27	1492	JOIK	830	MTBY	890	PRG5	720	SCO	1312	XHKC	1210
CC109	1090	EAJ29	1500	JOJG	1040	MTCY	560	PRG6	1500	SCP	1402	XKRI	1071
CC117	1170	EAJ30	1500	JOJK	710	MTFY	675	PRG7	1340	SCQ	1312	XLWA	780
CC137	1370	EAJ31	1492	JOJG	800	OAX4A	750	PRG9	1200	SCR	1402	XLHB	560
CC141	1410	EAJ32	1500	JOJK	700	OAX4B	1200	PRH2	600	SCS	1402	XLHC	720
CC143	1430	EAJ33	1492	JOLG	890	OAX4C	1300	PRH3	1120	SCU	1402	XLHD	720
CC145	1450	EAJ34	1492	JOLK	680	OAX4E	980	PRH8	820	SCV	1240	XLHE	1380
CD103	1030	EAJ35	1500	JONG	600	OAX4F	1080	PYG2	1070	SCW	1402	XLHF	1380
CD111	1110	EAJ36	1500	JONK	940	OAX4H	1150	PYG8	1250	SCV	1402	XLHG	640
CD112	1120	EAJ37	1500	JOOG	1080	OAX4I	1120	RW9	722	SPTT	859	XLHI	760
CD121	1210	EAJ38	1500	JOOK	960	OAX4L	1250	RW10	1438	TUA	1275	XLHJ	760
CD132	1320	EAJ39	1492	JOPK	780	OAX4R	1210	RW13	960	VFB	705	XLHK	800
CD136	1360	EAJ40	1500	JOQK	920	OAKK	1360	RW16	710	VQ7LO	858	XLHL	800
CNR	601	EAJ41	1492	JORK	720	OAOO	1277	RW17	686	VUB	855	XLHM	1120
CPX	1300	EAJ42	1492	JOSE	735	OAGD	1400	RW18	610	VUC	810	XLHN	1120
CP4	1040	EAJ43	1492	JOTK	625	OAGE	1350	RW20	1185	VUD	880	XLHO	1400
CT1AA	629	EAJ44	1492	JOUK	645	OAGU	1443	RW22	617	VUG	933	XLHQ	1440
CT1GL	1031	EAJ45	1500	JOVK	680	OFA	895	RW23	676	VUL	1200	XLIA	1320
CW19	1340	EAJ46	1492	JOXK	980	OFD	749	RW26	776	VUM	770	XLIB	1450
CW19A	1346	EAJ47	1492	JQAK	652	OFH	1340	RW27	689	VUP	1500	XLID	1370
CW23	820	EAJ48	1492	KZEG	780	OFH	527	RW28	635	XGCK	993	XLIE	1250
CW25	1040	EAJ49	1500	KZIB	900	OKB	922	RW28	725	XGDX	1470	XLIF	1270
CW27	620	EAJ51	1492	KZRM	638.5	OKK	1113	RW29	648	XGED	1340	XLIG	1110
CW29	1120	EAJ52	1492	LKA	850	OKP	633	RW30	913	XGFI	833	XLIH	1270
CW31	1160	EAJ53	1492	LKB	850	OKR	1004	RW31	625	XGKA	895	XLII	830
CW33	1200	EAJ55	1492	LKD	686	ONACE	1492	RW32	635	XGML	1005	XLIJ	799
CW35	1240	FFZ	1400	LKF	776	ONACE	1500	RW33	1050	XGML	714.3	XLIK	1330
CW37	1400	FJP	600	LKH	519	ON4EB	1492	RW34	522	XGOA	560	XLIM	910
CW39	1320	F31CD	840	LKI	845	ON4RW	1500	RW35	598	XGOB	1290	XLIN	1390
CW41	1360	HAE	1122	LKK	1276	PFBI	995	RW36	586	XGOC	1139	XLIO	1090
CW43	1400	HAE2	1321	LKN	1357	PP	959	RW38	662	XGOD	990	XLIP	1310
CW47	1480	HAE3	1438	LKO	1181	PR2	750	RW39	832	XGOE	1350	XLIQ	850
CX4	610	HAE4	1465	LKP	856	PR3	860	RW40	959	XGOF	850	XLIR	1230
CX6	650	HAL	545	LKR	1348	PR4	840	RW41	563	XGOG	560	XLKA	1294
CX8	690	HCZET	1153	LKS	1276	PR5	1295	RW42	565	XGOH	590	XLKS	1490
CX10	730	HCZJB	1250	LKT	629	PR6	815	RW45	688.5	XGOI	900	XLPH	1210
CX12	770	HJN	661	LRI	1070	PR7	706	RW48	704	XGOK	750	XLTC	2230
CX14	810	HJ1ABA	1330	LR2	910	PR8	750	RW50	617	XGOL	1030	XLMA	600
CX16	850	HJ1ABM	1154	LR3	950	PR9	1000	RW51	794	XGOM	1450	XLMB	980
CX18	890	HJ3ABD	1100	LR4	990	PRB2	882	RW52	556	XGOP	950	XLMC	700

FOREIGN B. C. STATIONS BY CALLS

XMHQ	840	ZEK	640	2CA	1050	2UE	950	3GI	830	4CA	1390	5CK	640
XOCL	1500	ZJV	920	2CH	1190	2UW	1110	3GL	1350	4GR	1000	5CL	730
XOMO	1450	ZP1	1135	2CO	670	2WG	1150	3HA	1010	4GY	1430	5DN	960
XQHA	580	ZP4	1275	2CR	550	2WL	1430	3HS	1370	4IP	1440	5KA	1200
XQHE	820	ZP5	1465	2FC	610	2XN	1340	3KZ	1180	4LG	1100	5MU	1340
XQHD	1300	ZP9	898	2GB	870	2YA	570	3LO	770	4MB	1060	5PI	1040
XQHE	1360	ZTB	790	2GF	1210	2YB	760	3MA	900	4MK	1160	5RM	850
XQHF	1460	ZTC	600	2GN	1390	2YC	840	3MB	1490	4PM	1360	6AM	980
XQHG	1480	ZTD	750	2GZ	990	2ZD	1170	3SH	1080	4QG	800	6CK	1240
XQHA	1350	ZTJ	645	2HD	1140	2ZF	960	3TR	1240	4QN	600	6GF	720
XQKB	750	ZUG	952	2KA	1160	2ZH	820	3UZ	930	4RK	910	6IX	1240
XQKC	810	1YA	650	2KO	1410	2ZJ	980	3WR	1260	4RO	1330	6KA	1070
YDA	1510	1YX	880	2KY	1020	2ZL	1240	3XY	1420	4TO	1170	6KG	1220
YLZ	583	1ZB	1090	2MO	1360	2ZO	1400	3YB	1060	4YA	790	6ML	1130
YN	648	1ZM	1260	2NC	1230	2ZP	900	3YL	1200	4YO	1140	6PR	880
YVIR	960	1ZS	1420	2NR	700	2ZR	920	3ZM	1470	4ZB	1010	6WA	560
YV3RC	1200	2AD	1080	2NZ	1170	3AK	1500	3ZR	940	4ZC	1280	6WF	690
YV4RC	750	2AY	1480	2QN	1440	3AR	580	4AK	1220	4ZL	1220	7BU	660
YV5RMO	1300	2BE	1470	2RG	1470	3AW	1280	4AY	1450	4ZM	1010	7HO	863
YV1RMO	1034	2BH	1330	2RN	1340	3BA	1320	4BC	1120	4ZO	1010	7LA	1103
YV6RV	670	2BL	740	2SM	1270	3BO	970	4BH	1380	4ZP	620	7NT	710
ZBW	845	2BS	1450	2TM	1300	3DB	1030	4BK	1290	4ZR	1340	7UV	1460
								4BU	1480	5AD	1310	7ZL	590

The DX Calendar

SPECIAL programs arranged by the stations for the benefit of distant listeners. All times are in Eastern Standard.

Sunday mornings			
November 22			
3:30-4:30	WCOP	1120 Boston, Mass.	
November 29			
2:00-5:00	CFLC	930 Prescott, Ont.	NRC
3:00-6:00	KWSC	1220 Pullman, Wash.	
December 6			
3:00-4:00	KFXM	1210 San Bernardino, Cal.	NNRC
December 13			
2:00-4:00	WNBC	1380 New Britain, Conn.	NNRC
December 20			
1:00-3:00	WHAZ	Troy, N. Y.	
3:00-4:00	KXA	760 Seattle, Wash.	UDXC
4:30-5:30	KMPC	710 Beverly Hills, Cal.	UDXC
December 27			
2:00-5:00	CFLC	930 Prescott, Ont.	NRC
December 6, 13, 20, 27			
12:00-5:00	TGW	1210 Guatemala City, Guat.	
2:00-5:00	CMCU	1460 Havana, Cuba	
2:30-4:00	CKWX	1010 Vancouver, B. C.	
3:00-5:00	CFCT	1450 Victoria, B. C.	
	XEP	1160 Juarez, Chih.	
Monday mornings			
December 7			
5:30-6:00	WRAW	1310 Reading, Pa.	
December 14			
1:00-2:00	WHEF	1500 Kosciuszko, Miss	
2:00-6:00	FCC	Frequency Checks	
Tuesday mornings			
December 8			
2:00-6:00	FCC	Frequency Checks	
December 1, 8, 15, 22, 29			
5:30-5:45	WHEC	1430 Rochester, N. Y.	
Wednesday mornings			
November 28			
2:30-3:00	WBHQ	1370 Memphis, Tenn.	NNRC
December 2			
3:00-3:30	WBHQ	1370 Memphis, Tenn.	NNRC
December 9			
2:00-5:50	FCC	Frequency Checks	

December 16			
5:30-6:00	WAWZ	1350 Zarephath, N. J.	NNRC
December 30			
2:30-3:00	WBHQ	1370 Memphis, Tenn.	NNRC
December 2, 30			
1:30-2:30	WSU1	880 Iowa City, Ia.	
December 2, 9, 16, 23, 30			
6:00-6:30	WOOD	1270 Grand Rapids, Mich.	
Thursday mornings			
December 3			
5:00-5:30	WFLA	620 Clearwater, Fla	
December 10			
2:00-5:50	FCC	Frequency checks	
Friday mornings			
December 4			
4:00-5:00	KIUN	1420 Pecos, Texas	
December 11			
2:00-6:00	FCC	Frequency checks	
Saturday mornings			
November 21			
3:00-4:00	KIUP	1370 Durango, Colo.	NNRC
3:30-4:00	WEXL	Royal Oak, Mich.	NRC
November 28			
3:00-4:00	KPRO	1370 Longview, Texas	NNRC
6:00-7:00	WTRC	1310 Elkhart, Ind.	NRC
December 12			
2:00-6:30	FCC	Frequency checks	
December 19			
2:30-3:30	KMJ	550 Fresno, Calif.	UDXC
3:00-4:00	KVI	570 Seattle, Wash.	UDXC
3:30-4:30	KVL	1370 Seattle, Wash.	UDXC
4:30-5:30	KRE	1370 Berkeley, Calif.	UDXC
December 26			
3:00-4:00	KPRO	1370 Longview, Texas	NNRC
6:00-7:00	WTRC	1310 Elkhart, Ind.	NRC

In spite of the fact that experimental television broadcasts have been undertaken in New York City, it is becoming evident that Hollywood will be the capital of visual radio as it is for the movies.

NORTH AMERICAN B. C. STATIONS BY FREQUENCIES

540 keys. (555.2)

CJRM ak 1000 F Moose Jaw, Sask. —Su. 1400-0100; †0930-0130

550 keys. (545.1)

CFNB mk 500 F (1) Fredericton, N. B. —Su. 1000-1100; †0700-2300
 KFUB ae 500 2 (1) St. Louis, Mo. —Su. 0930-1330; 1600-1730; 2215-2315, †0800-0900; 1030-1045; 1315-1345; 1600-1645; 2300-2400
 KFYR ae 1000 N (5) Bismarck, N. D. —Su. 0900-0100; †0800-0100
 KOAC ak 1000 Corvallis, Ore. —†1200-2400
 KSD ak 1000 2R (5) St. Louis, Mo.
 KTSA ak 1000 C (5) San Antonio, Tex.
 WDEV ae 500 D Waterbury, Vt.
 WGR ae 1000 C Buffalo, N. Y. —Su. 0900-0100; †0700-2400
 WKRC ak 1000 CX Cincinnati, Ohio
 WSWA ak 500 D Harrisonburg, Va.
 XEFC ak 250 Merida, Yuc.

560 keys. (535.4)

KFDM ak 500 (1) Beaumont, Tex.
 KLZ ak 1000 C (5) Denver, Colo. —Su. 0900-0130; †0830-0200
 KSFO ak 1000 San Francisco, Cal. —Su. 1100-0400; †1000-0400
 KWTO ak 500 D Springfield, Mo.
 WFIL ak 1000 B Philadelphia, Pa. —Su. 0800-2400; †0700-2400
 WIND ak 1000 (5) Gary, Ind. —M. 0600-0200; daily exc. M., 0600-0400
 WIS ae 1000 N (5) Columbia, S. C. —Su. 0800-2400; †0700-2400
 WQAM ak 1000 C Miami, Fla. —*0700-2400
 XEAO ak 250 Mexico, L. C.

570 keys. (526.0)

KGKO ak 250 C(1)Y Wichita Falls, Tex.
 KMTR ak 1000 Hollywood, Calif. —Su. 1100-0300; †0900-0300
 KVI ak 1000 C(5) Tacoma, Wash.
 WKBN ae 500 1C Youngstown, Ohio
 WMCA ak 500 X New York, N. Y.
 WNAX ak 1000 C (5) Yankton, S. D.
 WOSU ak 750 1 (1) Columbus, Ohio —M. thru F., 0900-1100; M thru Th., 1300-1500; M., W., 2000-2200; F., 1900-2300; Sa. 1300-2300
 WSYR ak 1000 B Syracuse, N. Y. —Su. 0700-2400; †0700-0100
 WWNC ak 1000 N Asheville, N. C. —Su. 0800-0100; †0730-0100

580 keys. (516.9)

CFPR ak 50 Prince Rupert, B.C.
 CHRC ak 100 F Quebec, Que. —Su. 1200-2400; †0800-2400
 CKCL ag 100 F Toronto, Ont. —Su. 1000-2230; †0800-2400
 CKUA ak 500 Edmonton, Alta.
 KMJ ak 500 C (1) Fresno, Calif. —Su. 1030-0200; †1000-0300
 KSAC ak 500 2 (1) Manhattan, Kans. —†1030-1130; 1330-1500; †1730-1830
 WCHS ak 500 (1) Charleston, W. Va.
 WDBO ak 1000 C Orlando, Fla. —Su. 0800-2400; †0700-2400
 WIBW ak 1000 G2 (5) Topeka, Kans.
 WILL ak 1000 D Urbana, Ill. —†0900-1200; 1800-1900; 2300-0100
 WTAG ae 500 RX Worcester, Mass. —Sa. 0730-0100; Su. 0900-2400; †0730-2400

590 keys. (508.2)

KHO ak 1000 R (2.5) Spokane, Wash.
 WHEI ak 1000 CX Boston, Mass. —Su. 0815-1815; †0700-1815
 WKZO ak 1000 D Kalamazoo, Mich. —W. 0700-0100; daily exc. W., 0700-0330
 WOW ae 500 R Omaha, Nebr.

600 keys. (499.7)

CFCF ae 400 FN Montreal, Que.
 CJOR ak 500 Vancouver, B. C. —Su. 0900-2315; †0745-0100
 CMW ak 1400 Havana, Cuba
 CRCW ak 500 F (1) Windsor, Ont. —Su. 1500-2330; †1630-2330
 FON z 250 609 St. Pierre, Miq.

NORTH AMERICAN B. C. STATIONS BY FREQUENCIES

✓ KFSD	ae	1000	B	San Diego, Calif.	
WCAO	ae	500	C (1)	Baltimore, Md.	
WICC	ae	500	C (1)	Bridgeport, Conn.	—Su. 0800-0100; †0700-0100
WMT	ak	1000	B (5)	Cedar Rapids, Ia.	—Su. 0830-0100; †0630-0100
WREC	c	1000	C (5)	Memphis, Tenn.	—Su. 0800-0100; †0730-0100

610 keys. (491.5)

KFRG	ck	1000	C (5)	San Francisco, Cal.	
WDAF	ak	1000	R (5)	Kansas City, Mo.	—Su. 0800-0100; †0730-0100
WIP	ak	1000	D	Philadelphia, Pa.	—Su. 0900-0100; †0700-0100
WJAY	ae	500	D	Cleveland, Ohio	
XEXM	z	.....	.....	Mexico City, D. F.	
XFX	ak	1000	.....	Mexico City, D. F.	

620 keys. (483.6)

KGW	ak	1000	R (5)	Portland, Ore.	
KIAR	ae	1000	N	Phoenix, Ariz.	—Su. 1000-0115; †0900-0115
WFLA	ae	1000	Na (5)	Clearwater, Fla.	—Su. 0800-2400; M., W., F., 0700-0100
WHJB	ak	250	D	Greensburg, Pa.	—Sign off at 1700
WLBZ	ak	500	C (1)	Bangor, Maine	
WSUN	ae	1000	Na (5)	St. Petersburg, Fla.	—Su. 0800-2400; Tu., Th., Sa., 0700-0100
WTMJ	ak	1000	N (5)	Milwaukee, Wis.	—Su. 0830-0100; †0715-0100

630 keys. (475.9)

CFCO	ak	100	F	Chatham, Ont.	—Su. 0930-1215; 1345-2200; †0800-1330; 1700-2230
CFCY	ae	1000	F	Charlottetown, P.E.I.	—Su. 1000-1200; 1700-2300; †0900-1200; 1600-2300
CJRC	ak	1000	F	Winnipeg, Man.	—*0830-0030
CKOV	ak	100	F	Kelowna, B. C.	—Su. 1330-0130; †1100-1500; 2000-0130
KFRU	ak	500	I (1)	Columbia, Mo.	—Sa. 0700-2300; Su. 0830-ss; †0700-2130
KGFX	ak	200	D	Pierre, S. D.	
WGBF	ak	500	I	Evansville, Ind.	
✓WMAL	ak	250	B (5)	Washington, D. C.	—Su. 0800-2400; †0700-0200
WOS	ak	500	1D	Jefferson City, Mo.	
WPRO	ak	500	(1)	Providence, R. I.	—Su. 0800-0100; †0700-0100
XEZ	z	500	.....	Merida, Yuc.	

640 keys. (468.5)

CMBC	dj	150	.....	Havana, Cuba	
KFI	ak	50000	R	Los Angeles, Calif.	—*0945-0300
WHKC	ak	500	.....	Columbus, Ohio	—Su. 0830-2015; †0630-2015
WOI	ae	5000	D	Ames, Iowa	
WSPG	z	500	P	Portland, Me.	
XEOX	ak	500	.....	Saltillo, Coah.	

650 keys. (461.3)

TIGPH	ak	1000	.....	San Jose, C. R.	
✓WISM	ae	50000	N	Nashville, Tenn.	—Su. 0900-0100; †0730-0100

660 keys. (454.3)

✓WAAW	ae	500	D	Omaha, Neb.	—Su. 0900-1800; †0700-ss
✓WEAF	ak	50000	R	New York, N. Y.	—Su. 0800-0100; †0730-0100

670 keys. (447.5)

✓WMAQ	ak	50000	N	Chicago, Ill.	—Su. 0900-0100; †0700-0100
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680 keys. (440.9)

CMCG	ak	1000		Havana, Cuba	—*0700-2400
KFEQ	ak	2500	D	St. Joseph, Mo.	—Su. 0900-ss; †0700-ss.
KPO	ak	50000	R	San Francisco, Cal.	—*1100-0300
RDN	z	500	.....	San Salvador, E. S.	
VAS	akn	2000	685	Glance Bay, N. S.	
VOWR	ck	500	681	St. John's, Nfld.	
✓WPTF	ak	1000	N (5)	Raleigh, N. C.	—Su. 0900-2300; †0700-2300

NORTH AMERICAN B. C. STATIONS BY FREQUENCIES

690 kcs. (434.5) .690

✓CFRB	ae	1000	C	Toronto, Ont.	—Su. 1030-2400; †0800-2400
CJCJ	ak	100	F	Calgary, Alta.	—Su. 1200-0100; †0930-0100
NAA	akn	1000	....	Arlington, Va.	
XET	ak	500		Monterrey, N. L.	—Su. 0830-1500; †0830-2200

700 kcs. (428.3) .700

✓WLW	ak	500000	N	Cincinnati, Ohio	—Su. 0800-0130; †0630-0130
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710 kcs. (422.3) .710

KIRO	ak	1000		Seattle, Wash.	—Su. 1000-0400; †0900-0500
KMPC	ak	500		Beverly Hills, Cal.	—Su. 1000-ss.; 0030-0400; †0900-ss.; 0030-0400
✓WFOR	ak	50000	....	Newark, N. J.	
XEN	ak	1000	....	Mexico City, D. F.	

720 kcs. (416.4) .720

✓WGN	ak	50000	....	Chicago, Ill.	
XEH	ak	250	....	Monterrey, N. L.	—†1000-2100

730 kcs. (410.7) .730

CFPL	ak	100	F	London, Ont.	
CJCA	ak	1000	F	Edmonton, Alta.	—Sa. 0900-0300; Su. 1100-0100; †0900-0200
✓CKAC	ak	5000	CF	Montreal, Que.	—Su. 0900-0100; †0730-0100
CKPR	ak	100	F	Fort William, Ont.	—Su. 1500-2300; †0900-1400; 1700-2300
CMK	ae	3000	....	Havana, Cuba	
XEBC	z	5000	....	Agua Caliente, L.C.	
XEPN	ak	100000	....	Piedras Negras, Ch.	

740 kcs. (405.2) .740

KMMJ	ae	1000	D	Clay Center, Neb.	
KTRB	ak	250	D	Modesto, Calif.	—Su. 1130-2030; †0900-2030
WHEB	ak	250	D	Portsmouth, N. H.	
✓WSB	ae	50000	N	Atlanta, Ga.	—Su. 0755-0100; †0655-0100

750 kcs. (399.8) .750

CMCW	dk	150	....	Havana, Cuba	
KGU	aj	2500	N	Honolulu, T. H.	—*1130-0400; Su. 0400-0430
✓WJR	ak	50000	C	Detroit, Mich.	—Su. 0800-0100; †0530-0200
XEAM	z	7.5	....	Matamoros, Tams.	

760 kcs. (394.5) .760

CMHX	ak	200	....	Cienfuegos, Cuba	
KXA	ae	250	(5)	Seattle, Wash.	
✓WBAL	ae	2500	BSy	Baltimore, Md.	
WEW	ae	1000	D	St. Louis, Mo.	—Su. 0900-1100; †0800-ss.
✓WJZ	ak	50000	BSy	New York, N. Y.	—Su. 0800-0100; †0730-0100
XEOK	ak	250	....	Tijuana, L. C.	

770 kcs. (389.4) .770

CMBS	ak	150	....	Havana, Cuba	
KFAB	ak	10000	CSy	Lincoln, Neb.	—*0700-0100
WBBM	ae	50000	CSy	Chicago, Ill.	

780 kcs. (384.4) .780

CHWK	dk	100	F	Chilliwack, B. C.	—Su. 1500-0100; †1100-1700; 2000-0115
CKSO	ak	1000	F	Sudbury, Ont.	—Su. 1500-2300; †0900-1400; 1700-2400
CMJK	ak	250	....	Camaguey, Cuba	—Su. 1100-1300; †1100-1400; Sa. 1700-2300; †1800-2200
KEHE	ak	500	(1) X	Los Angeles, Calif.	
KFDY	ae	1000	D	Brookings, S. D.	—†1330-1500
KFOD	ck	250	....	Anchorage, Alaska	
KGHL	ak	1000	N(5)	Billings, Mont.	—Su. 1100-0100; †1000-0100
WEAN	ae	500	CX	Providence, R. I.	

NORTH AMERICAN B. C. STATIONS BY FREQUENCIES

WMC ak 1000 N (5.) Memphis, Tenn. —Su. 0800-0100; †0745-0100
 WTAR ae 500 NX (1) Norfolk, Va.
 KEYZ z 10000 Mexico City, D. F.

790 keys. (379.5)

CMGH z 250 Matanzas, Cuba
 KGO ak 7500 B San Francisco, Cal. —Su. 1100-0300; †1000-0300
 WGY ak 50000 R Schenectady, N. Y. —Su. 0900-0100; †0700-0100
 z 1000 DP Pittsburg, Kans.

800 keys. (374.8)

HIX ak 700 Trujillo, D. R. —Su. 0740-1040; Tu., F., 2010-2210; †1240-1340
 TIX ak San Jose, C. R.
 WBAP ak 50000 Na Fort Worth, Tex. —Su. 1100-1300; 1600-1900; 2300-0130; †0700-0800; 0930-1130; 1330-1600; 1830-1930; M., W., F., 2300-0030; Tu., Th., Sa., 2000-2300
 WFAA ak 50000 Na Dallas, Tex. —Su. 0900-1100; 1300-1600; 1900-2200; †0000-0930; 1130-1330; 1600-1830; M., W., F., 1930-2300; Tu., Th., Sa., 1930-2000; 2300-0030
 ✓WTBO ak 250 D Cumberland, Md. —Su. 1030-ss.; †0830-ss.

810 keys. (370.2)

CMCF ak 600 Havana, Cuba
 WCCO ae 50000 C Minneapolis, Minn. —Su. 0900-0100; †0730-0100
 WNYC ak 1000 D New York, N. Y. —Su. 0900-1900; †0700-1900
 XFC z 350 Aguascalientes, Ags.

820 keys. (365.6)

CMHW ak 100 Cienfuegos, Cuba
 ✓WHAS aj 50000 C Louisville, Ky.
 XEBZ ae 100 Mexico City, D. F. —*1430-0400
 XEMZ z Coronado Isle, L. C.

830 keys. (361.2)

CMJX ae 500 Camaguey, Cuba —Su. 1000-1400; †0900-1300; 1700-2330
 KOA ak 50000 N Denver, Colo. —Su. 1000-0300; †0900-0200
 WEEU ak 1000 D Reading, Pa. —*0800-1700
 WHDH ae 1000 Dn Boston, Mass.
 WRUF ae 5000 Dn Gainesville, Fla. —Su. 0800-1830; †0700-1830

840 keys. (356.9)

CFQC ak 1000 F Saskatoon, Sask.
 CRCT ak 5000 FN Toronto, Ont. —Su. 1130-2330; †0745-2330
 VOGY ak 400 St. John's, Nfld.
 XERA ck 350000 Villa Acuna, Coah.

850 keys. (352.7)

CMBN z 150 Havana, Cuba
 KIEV ak 250 D Glendale, Calif.
 TIEP z 500 San Jose, C. R.
 ✓WESG ak 1000 C Elmira, N. Y. —Su. 0800-1800; †0730-1800
 WKAR ae 1000 D East Lansing, Mich. —†0700-1700
 WWL ae 10000 C New Orleans, La. —Su. 0900-0100; †0730-0100

860 keys. (348.6)

✓WABC ae 50000 C New York, N. Y. —Su. 0800-0100; †0730-0100
 WHB ak 1000 D Kansas City, Mo.
 XEMO ak 5000 Tijuana, L. C. —Su. 1100-0200; †0945-0300

870 keys. (344.6)

WENR ak 50000 Na Chicago, Ill. —Su. 1200-1830; 2000-2400; †1500-1900; †2030-2400
 WLS ae 50000 Na Chicago, Ill. —Su. 0800-1200; †0600-1500

880 keys. (340.7)

CFJC ak 100 F Kamloops, B. C. —Su. 1500-0115; †1230-1630; 1830-0115
 CMQ ak 500 Havana, Cuba
 CRCO ak 1000 F Ottawa, Ont. —Su. 1030-2400; †0800-0930; Sa. 1200-2400; †1200-1400; 1700-2400

NORTH AMERICAN B. C. STATIONS BY FREQUENCIES

KFFA	ak	500	2 (1)	Greeley, Colo.	—Su. 1830-2030; †0730-0930; 1100-1630; 1830-2030; 2230-0100
KLX	ae	1000	...	Oakland, Calif.	—Su. 1500-0230; †1030-0230
KPOF	ae	500	2	Denver, Colo.	
WGOC	ae	500	(1)	Meridian, Miss.	—Su. 1230-2115; †0700-1230; 1330-1630; M., W., Th., Sa., 1730-2230; Tu., F., 1730-2000
WGBI	ae	500	1	Scranton, Pa.	—*0730-ss.
WPHR	ak	500	D	Petersburg, Va.	—†1230-1330; 1630-1730; M., W., F., 0900-0930; Tu., F., 2000-2200
WQAN	ae	250	1	Scranton, Pa.	—Su. 1015-1045; †1000-2300
WSUI	ae	500	(1)	Iowa City, Iowa	

890 kcys. (336.9)

KARK	ak	250	(.5)X	Little Rock, Ark.	—Su. 0900-0100; †0700-0100
KFNF	ak	500	2 (1)	Shenandoah, Iowa	—Su. 0900-1300; 1500-1700; 1800-1945; †0630-1700; 1900-2200
KFPY	ak	1000	C (5)	Spokane, Wash.	—Su. 1200-0300; †0950-0300
KUSD	ae	500	2	Vermillion, S. D.	
WBAA	ak	500	(1)	W. Lafayette, Ind.	—Sa. 1200-1700; Su. 1500-1700; †1200-1800
WGST	ak	1000	C	Atlanta, Ga.	
WJAR	ae	1000	R	Providence, R. I.	—Su. 0900-0100; 0730-0100
WMMN	ak	500	C (1)	Fairmont, W. Va.	—Su. 0900-0100; †0700-0100
XEW	ak	50000	....	Mexico City, D. F.	

900 kcys. (333.1)

KGBU	ak	500	X	Ketchikan, Alaska	—Su. 0400-0500; 2100-2300; †1300-1800; 2100-0500
KHJ	ae	1000	C (5)	Los Angeles, Calif.	
KSEI	ae	250	(.5)	Pocatello, Idaho	—Su. 1200-0100; †0930-0100
WBEN	ak	1000	R (5)	Buffalo, N. Y.	—Su. 0900-2400; M., Tu., Th., F., 0700-2400; W., Sa., 0700-0100
WELI	ak	500	D	New Haven, Conn.	—*0600-ss.
WFMD	ak	500	D	Frederick, Md.	—Su. 1000-ss.; †0630-ss.
WJAX	ak	1000	N (5)	Jacksonville, Fla.	—Su. 0800-2400; †0645-0100
WKY	ae	1000	N (5)	Oklahoma City, Okla.	—Su. 0900-0100; †0745-0100
WLBL	ak	2500	DX	Stevens Point, Wis.	—†0900-1700; Sa. 0900-1400
WTAD	ak	500	D	Quincy, Ill.	—* -1745

910 kcys. (329.6)

GAAT	ak	1000	F	Trail, B. C.	—Su. 1345-0200; †1000-0200
CKY	ak	15000	F	Winnipeg, Man.	—Su. 1200-0030; †0800-0100
CRCM	ak	5000	F	Montreal, Que.	—*0500-2330
XENT	ak	150000	...	Nuevo Laredo, Tams.	

920 kcys. (325.9)

CMX	ae	1000	....	Havana, Cuba	—M., 1100-0100; daily exc. M., 0800-0100
HHK	ae	1000	...	Port-au-Prince, Haiti	
KFEL	ak	500	a	Denver, Colo.	—Su. 1230-2130; †0800-1030; 1230-1430; 1700-1830; 2000-2130; Tu., Th., F., 2300-0230
KOMO	ak	1000	R (5)	Seattle, Wash.	
KPRC	ak	1000	N (5)	Houston, Texas	
KVOD	ak	500	a	Denver, Colo.	
WAAF	ak	1000	D	Chicago, Ill.	—*0600-ss.
WORL	ae	500	D	Boston, Mass.	
WPEN	ak	250	(.5) 1	Philadelphia, Pa.	
WRAX	ak	250	1 (.5)	Philadelphia, Pa.	—*0630-1800
WSPA	ae	1000	D	Spartanburg, S. C.	—Su. 0800-0030; †0600-0030
WWJ	ak	1000	R (5)	Detroit, Mich.	
XEAA	ak	200	....	Mexicali, L. C.	

930 kcys. (322.4)

CFAC	ak	100	F	Calgary, Alta.	—Su. 1100-0100; †0900-0200
CFCH	ak	100	F	North Bay, Ont.	
CFLC	ae	100	....	Prescott, Ont.	—Su. 0700-2000; †0800-1000; 1200-1400; M., W., Th., Sa., 1700-1930; Tu., F., 1700-2200
CHNS	ae	1000	F	Halifax, N. S.	—Su. 1400-2300; †0730-1230; 1600-2300
CKPC	ae	100	F	Brantford, Ont.	
KMA	ak	1000	(2.5)	Shenandoah, Iowa	
KROW	ak	1000	....	Oakland, Calif.	—Su. 1100-0500; †0900-0500
TIH	z	50	....	San Jose, C. R.	
WBRC	ak	1000	C	Birmingham, Ala.	—*0800-0030
WDBJ	ae	1000	C (5)	Roanoke, Va.	—Su. 0830-0030; †0700-2400
XEBH	ak	500	....	Hermosillo, Sonora	—*1300-1600; 2100-2400

NORTH AMERICAN B. C. STATIONS BY FREQUENCIES

940 kcs. (319.0)

KOIN	ak	1000	C (5)	Portland, Ore.	
VOAS	ak	100	...	St. John's, Nfld.	
WAAT	ak	500	D	Jersey City, N. J.	—*0630-1800
WAVE	ak	1000	N	Louisville, Ky.	—Su. 0900-0100; †0800-0100
WCSE	ak	1000	R (2.5)	Portland, Maine	—Su. 0845-2400; †0800-2400
WDAY	ae	1000	N (5)	Fargo, N. D.	—Su. 0800-0100; †0700-0100
WHA	ak	5000	D	Madison, Wis.	—†0900-1730
XEFO	ak	5000	(XFO)	Mexico City, D. F.	

950 kcs. (315.6)

CJOC	ak	100	F	Lethbridge, Alta.	—Su. 1030-0030; †0900-0100
CMCD	ak	250	...	Havana, Cuba	—Su. 1000-2100; †1200-0100
CRCS	ak	100	F	Chicoutimi, Que.	—Su. 1500-2330; †1630-2300
KFWB	ak	1000	(5)	Hollywood, Calif.	
KHSL	ak	250	D	Chico, Calif.	—Su. 1100-1945; †1000-1945
KMBC	ae	1000	C (5)	Kansas City, Mo.	—Su. 0830-0103; †0655-0103
WRC	ak	500	R (1)	Washington, D. C.	—Su. 0700-0100; †0630-0100
YNVA	z	30	...	Managua, Nic.	

960 kcs. (312.3)

CFRN	ak	100	F	Edmonton, Alta.	—Su. 0930-0200; Su. 1200-0100; 10930-1300
CHNC	ak	1000	F	New Carlisle, Que.	—Su. 1000-1200; 1500-2300; †0730-0900; 1100-1230; 1600-2300
XEAW	ck	50000	...	Reynosa, Tams.	

970 kcs. (309.1)

CMBY	z	150	...	Havana, Cuba	
KJR	ak	5000	B	Seattle, Wash.	
WCFL	ae	5000	B	Chicago, Ill.	
WIBG	ak	100	D	Glenside, Pa.	

980 kcs. (306.0)

✓KDKA	c	50000	B	Pittsburgh, Pa.	
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990 kcs. (302.8)

✓WBZ	c	50000	BSy	Boston, Mass.	—Su. 0800-0100; †0630-0100
✓WBZA	c	1000	BSy	Springfield, Mass.	
XEAF	ak	500	...	Nogales, Sonora	
XEK	ak	100	...	Mexico City, D. F.	
XES	dk	250	...	Tampico, Tams.	

1000 kcs. (299.8)

CMBZ	ak	500	(1)	Havana, Cuba	—18 hours daily
KFVD	ae	250	Dn	Los Angeles, Calif.	—*0100-0700; Su. 1100-2015; †0900-2015
TIGH	z	500	...	San Jose, C. R.	
WHO	ak	50000	R	Des Moines, Iowa	—Su. 1000-0100; †0700-0100
XEBK	ak	100	...	Nuevo Laredo, Tams.	—Su. 1200-1500; †1000-2030
XEY	z	10	...	Merida, Yuc.	

1010 kcs. (296.9)

CHML	ak	100	F	Hamilton, Ont.	—Su. 0900-2230; †0800-2400
CKCD	ak	100	I	Vancouver, B. C.	
CKCD	ak	100	...	Vancouver, B. C.	
CKCK	ak	500	F	Regina, Sask.	—Su. 1200-0100; †0930-0200
CKCO	ak	100	F	Ottawa, Ont.	—*1200-2330
CKIC	ak	50	...	Wolfville, N. S.	
CKWX	ak	100	F I	Vancouver, B. C.	—Su. 1200-0200; 0230-0400; M., Tu., Th., Sa., 1000-2230; W., F., 1000-2330; Th., Sa., 0900-0200
CMJA	ak	300	...	Camaguey, Cuba	
KCGF	ak	1000	2	Coffeyville, Kans.	
KQW	ae	1000	...	San Jose, Calif.	—Su. 1130-0300; †0930-0300
TIGA	z	30	1014	Cartago, C. R.	
WHN	ae	1000	(5)	New York, N. Y.	
WNAD	ae	1000	2	Norman, Okla.	—M., Tu., W., Th., 1500-1700; Tu. Th., 2015-2215; W., 2115-2215
WNOX	ak	1000	C (2)	Knoxville, Tenn.	—Su. 0900-0100; †0630-0200
XEU	ak	250	...	Veracruz, Ver.	—*0800-0100

NORTH AMERICAN B. C. STATIONS BY FREQUENCIES

1020 kcys. (293.9)

KYW	ak	10000	R	Philadelphia, Pa.	—Su. 0800-0100; †0705-2200
WDZ	ak	250	D	Tuscola, Ill.	—Su. 0900-1800; †0700-1800
XEJ	ak	1000	....	Juarez, Chih.	

1030 kcys. (291.1)

CFCN	ak	10000	....	Calgary, Alta.	
CKLW	ae	5000	....	Windsor, Ont.	—Su. 0800-0100; †0645-0130
CMCY	ak	5000	....	Havana, Cuba	—*1000-2400
XEB	ak	10000	....	Mexico City, D. F.	—*1000-2415

1040 kcys. (288.3)

KRLD	ak	10000	C	Dallas, Texas	—*0700-0100
KWJJ	ak	500	....	Portland, Ore.	
KYOS	z	250	D	Merced, Calif.	
WTIC	ah	50000	R	Hartford, Conn.	

1050 kcys. (285.5)

CMKD	ak	250	....	Santiago, Cuba	
CRCK	ak	1000	F	Quebec, Que.	—Su. 1630-2330; †1700-2330
KFBI	ak	5000	Dn	Abilene, Kans.	—Su. 0900-1945; †0700-1945
KNX	ak	50000	....	Hollywood, Calif.	—Su. 1100-0230; †0930-0315
TIFA	z	75	....	San Jose, C. R.	
WEAU	z	250	DP	Eau Claire, Wis.	

1060 kcys. (282.8)

KTHS	ak	10000	N	Hot Springs, Ark.	—*2100-2400; Su. 1100-ss.; †0900-ss.
VOAC	z	40	1065	St. John's, Nfld.	
WBAL	ak	10000	B (25)	Baltimore, Md.	—Su. 0800-2400; †0700-2400
WJAG	ak	1000	D	Norfolk, Neb.	—Su. 1100-ss.; †0730-ss.
XEA	ak	500	....	Guadalajara, Jal.	

1070 kcys. (280.2)

CMBX	ak	500	....	Havana, Cuba	
CMHA	z	50	....	Sagua la Grande, C.	
KJBS	ak	500	Dn	San Francisco, Cal.	—*0100-2030
WCAZ	ak	100	D	Carthage, Ill.	
WTAM	ak	50000	R	Cleveland, Ohio	—Su. 0700-2400; †0600-2400

1080 kcys. (277.6)

WBT	ak	50000	C	Charlotte, N. C.	—Su. 1000-2400; †0645-2400
WCBF	ak	5000	IDn Y	Waukegan, Ill.	
WMBI	ak	5000	IDn	Chicago, Ill.	

1090 kcys. (275.1)

KMOX	ak	50000	C	St. Louis, Mo.	—Sa. 0700-0130; Su. 0830-0100; †0700-0100
XEAQ	ak	1000	....	Rosarito, L. C.	

1100 kcys. (272.6)

CRCV	ak	1000	FX	Vancouver, B. C.	—*0900-ss.
KGDM	ak	1000	D	Stockton, Calif.	—Su. 0900-0100; †0730-0100
KWKH	ae	10000	C	Shreveport, La.	—Su. 1515-1630; 2000-2115; †1800-2000; F., 1400-1500
WLWL	ae	5000	1	New York, N. Y.	—Su. 0900-1515; 1630-2000; 2115-2400; M., Tu., W., Th., Sa. 0900-1800; 2000-2400; F., 0900-1400; 1500-1800; 2000-2400
WPG	ak	5000	1C	Atlantic City, N. J.	

XEL	z	250		Mexico City, D. F.	
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1110 kcys. (270.1)

CMGJ	ak	500		Havana, Cuba	
KSOO	ak	2500	Dn	Sioux Falls, S. D.	—Su. 1000-1845; †0700-1845
WRVA	ak	5000	N	Richmond, Va.	—Su. 1000-2400; †0700-2400
XELO	z	10000	....	Piedras Negras, Co.	

NORTH AMERICAN B. C. STATIONS BY FREQUENCIES

1120 keys. (267.7)

CHLP	ak	100	F	Montreal, Que.	—Su. 1700-2100; †0900-2300
CHSJ	ak	500	F (1)	St. John, N. B.	—Su. 1000-1100; 1400-2300; †0500-0505; 0630-2400
CKOC	ae	500	F (1)	Hamilton, Ont.	
CKX	ak	100	F	Brandon, Man.	
CMGF	dk	150	....	Matanzas, Cuba	
CMKM	ak	200	....	Manzanillo, Cuba	—†0800-1200; 1800-2200
KFIO	ae	100	D	Spokane, Wash.	
KFSG	ag	500	a (2.5)	Los Angeles, Calif.	—Su. 0930-1330; 1530-1800; 1900-2200; †0900-2245; F., 2245-0300
KRKD	ak	500	a (2.5)	Los Angeles, Calif.	
KRSC	ak	100	DX	Seattle, Wash.	
WCOP	ak	500	D	Boston, Mass.	—*0500-1600
WDEL	ak	250	(5)	Wilmington, Del.	—Su. 0900-2300
WISN	ak	250	(1) C	Milwaukee, Wis.	—Su. 0900-0100; †0800-0100
WTAW	ae	500	....	College Station, Tex.	

1130 keys. (265.3)

CMJI	ak	150	....	Ciego de Avila, Cuba	—Su. 0700-2400; †1200-2200
KSL	ak	50000	C	Salt Lake City, Utah	—Sa. 0830-0200; Su. 0200-to 0300 M.; †0830-0300
WJJD	ak	20000	Dn	Chicago, Ill.	—Su. 0730-1845; †0600-1845
WOW	ag	1000	D	New York, N. Y.	

1140 keys. (263.0)

CMBG	z	200	....	Havana, Cuba	
KVOO	ak	25000	IN	Tulsa, Okla.	
WAPI	ak	5000	IN	Birmingham, Ala.	
WSPR	ak	500	D	Springfield, Mass.	—Su. 0845-1745; †0700-1745

1150 keys. (260.7)

CMJF	z	200	....	Camaguey, Cuba	
WHAM	ae	50000	B	Rochester, N. Y.	—Su. 0830-2400; 0700-2400
XEFL	ak	250	....	Tijuana, L. C.	
XEWZ	ak	100	....	Mexico City, D. F.	

1160 keys. (258.5)

CMHJ	ak	175	....	Clentuegos, Cuba	—Su. 0800-1800; M. 1100-2200; Tu., Th., Sa. 0800-2300; W., F., 0800-2200
WOWO	c	10000	1C	Fort Wayne, Ind.	
WWVA	ak	5000	1C	Wheeling, W. Va.	—Su. 0700-2200; M., Tu., F., 0600-2030; W. 0600-2000; Th., 0600-2100; Sa., 0600-0200; Tu., Th., 2330-0100
XEAS	z	100	....	Saltito, Coah.	
XEC	z	30	....	Tijuana, L. C.	
XED	ak	2500	....	Guadalajara, Jal.	—*1200-1630; 2000-2400
XEP	ak	500	....	Juarez, Chlh.	—*0900-0200

1170 keys. (256.3)

CMBD	ae	500	....	Havana, Cuba	—*0700-2400
WCAU	ak	50000	C	Philadelphia, Pa.	—Su. 0900-0100; †0730-0100

1180 keys. (254.1)

CMJO	ak	50	....	Ciego de Avila, Cuba	
KEX	ak	5000	2B	Portland, Ore.	
KOB	ak	10000	2	Albuquerque, N.M.	—†1300-2300
VE9EK	ak	10	1185	Montmagny, Que.	
WDGY	ak	1000	Dn (5)	Minneapolis, Minn.	
WINS	ak	1000	....	New York, N. Y.	
WMAZ	ak	1000	....	Macon, Ga.	—Su. 0845-1900; †0700-1900
XEFA	z	500	....	Mexico City, D. F.	

1190 keys. (252.0)

HIJ	z	15	1195	Trujillo, D. R.	
VONF	ak	500	1195	St. John's, Nfld.	
WATR	ak	100	D	Waterbury, Conn.	
WOAI	ak	50000	N	San Antonio, Tex.	—Su. 0900-0030; †0730-0030
WSAZ	ak	1000	....	Huntington, W. Va.	—Su. 1200-1900; †0700-1900

NORTH AMERICAN B. C. STATIONS BY FREQUENCIES

1200 keys. (249.9)

CHAB	ak	100	F	Moose Jaw, Sask.	—Su. 1145-0030; †0900-0030
CKNX	ak	50	....	Wingham, Ont.	—Su. 1100-1300; †1100-1400; 1800-2100; Sa. 2300-0100
CKTB	ag	100	F	St. Catharines, Ont.	—Su. 1045-1300; 1500-2330; †0930-2330
CMCO	ad	250	....	Havana, Cuba	
KADA	ak	100	D	Ada, Okla.	
KBTM	ak	100	D	Jonesboro, Ark.	
KDNC	z	250	P	Lewistown, Mont.	
KFB	ak	100	(.25)	Marshalltown, Iowa	—Su. 1300-1500; †0700-2200
KFXD	ae	100	(.25)	Nampa, Idaho	—Su. 1300-2000; †0800-2200
KFXJ	ak	100	(.25)	Grand Junc., Colo.	
KGDE	ak	100	(.25)	Fergus Falls, Minn.	—Su. 1000-2200; †0800-2200
KGEK	ak	100	....	Sterling, Colo.	
KGFJ	ae	100	....	Los Angeles, Calif.	—24 hours daily
KGHI	ak	100	(.25)	Little Rock, Ark.	—Su. 0900-1930; †0830-2300
KMLB	ak	100	....	Monroe, La.	
KOOS	ae	250	D	Marshfield, Ore.	—Su. 1500-1900; †1000-1945
KSUN	c	100	(.25)	Lowell, Ariz.	—Su. 1700-2230; †1100-2300; W. 2300-2400
KVCV	z	100	P	Redding, Calif.	
KVEC	z	250	DP	San Luis Obispo, Cal.	
KVOS	dk	100	....	Bellingham, Wash.	
KWG	ak	100	C	Stockton, Calif.	—Su. 1030-0300; †1000-0300
WABI	ak	100	....	Bangor, Maine	
WAIM	ak	100	XZ	Anderson, S. C.	—Su. 0900-1730; †0600-2200
WAYX	ak	100	....	Waycross, Ga.	
WBBZ	ak	100	....	Ponca City, Okla.	—Su. 0930-1830; †0800-2200
WBNO	ak	100	1	New Orleans, La.	—Su. 1100-1300; 1800-2200; †1300-1800; 2100-2400
WCAT	ak	100	D	Rapid City, S. D.	
WCAX	ak	100	....	Burlington, Vt.	
WCLO	ak	100	X	Janesville, Wis.	
WCPO	ak	100	(.25)	Cincinnati, Ohio	—Su. 0800-2300; †0700-2330
WEST	ae	100	3 (.25)	Easton, Pa.	
WFAM	ak	100	8	South Bend, Ind.	
WHBC	ak	100	(.25)	Canton, Ohio	
WHBY	ak	100	(.25)	Green Bay, Wis.	
WIBX	ak	100	(.3) C	Utica, N. Y.	—Su. 0900-0100; †0700-0100
WIL	ak	100	(.25)	St. Louis, Mo.	
WJBC	ak	100	6 (.25)	Bloomington, Ill.	—*1000-1330; 1600-2030
WJBL	ak	100	6	Decatur, Ill.	
WJBW	ak	100	1	New Orleans, La.	—Su. 0200-1100; 1300-1800; 2200-0200; †0200-1300; 1800-2100; 0000-0200
WJNO	ak	100	....	W. Palm Beach, Fla.	—Su. 0900-2200; †0700-2300
WJRD	c	100	D	Tuscaloosa, Ala.	
WKBO	ak	100	3 (.25)	Harrisburg, Pa.	—Su. 1230-1900; †0800-1100; 1500-1800; 2000-2300
WLVA	ak	100	(.25)	Lynchburg, Va.	—Su. 0900-1600; †0700-2300
WMFR	ae	100	D	High Point, N. C.	
WMPC	ak	100	(.25)	Lapeer, Mich.	
WNRI	ak	100	(.25)	Newport, R. I.	
WRBL	ak	100	....	Columbus, Ga.	—Su. 0900-1600; 0730-2100; †0800-2230
WTHT	ak	100	D	Hartford, Conn.	—Su. 0900-1715; 0700-1615
WWAE	ae	100	8	Hammond, Ind.	
.....	z	100	P	Huntsville, Ala.	
.....	z	100	(.25) P	Kinston, N. C.	
.....	z	100	P	Sioux Falls, S. Dak.	

1210 keys. (247.8)

GJCS	ak	50	....	Stratford, Ont.	—†0800-1330; 1700-2100
GJCU	z	50	....	Aklavik, N. W. T.	
CKBI	ak	100	F	Prince Albert, Sask.	—Su. 1500-0100; †0945-0100
CKCH	ak	100	F	Hull, Que.	—Su. 1700-2300; †0800-2300
CKMC	ak	50	....	Cobalt, Ont.	
CMHI	ak	150	....	Santa Clara, Cuba	
KANS	ak	100	....	Wichita, Kans.	—Su. 0800-2400; †0730-2400
KASA	ck	100	....	Elk City, Okla.	—Su. 0800-2000; †0700-2000
KDLR	ak	100	....	Devils Lake, N. D.	—*0730-2130
KDON	z	100	....	Del Monte, Calif.	
KFJI	ak	100	....	Klamath Falls, Ore.	
KFOR	ae	100	(.25) C	Lincoln, Neb.	—*0800-2315
KFPW	ak	100	....	Fort Smith, Ark.	—Su. 1000-1700; 2230-0100; †1000-1300; M., W., F., 1700-2130; Tu., Th., Sat. 1700-2030; 2200-0100
KFVS	ak	100	6 (.25)	Cape Girardeau, Mo.	—M. Tu., Th., F., Sa., 0900-0300; Su. 1700-2145; M. 0000-0300; W., 0900-2200; Th. 0030-0300
KFXM	ak	100	9	San Bernardino, Calif.	—Su. 1700-2145; M. 0000-0300; †0900-0300
KGLO	z	100	P	Mason City, Iowa	
KGY	ak	100	....	Olympia, Wash.	
KIUL	ak	100	....	Garden City, Kans.	—Su. 1200-2000; †0800-2200

NORTH AMERICAN B. C. STATIONS BY FREQUENCIES

KLAH	z	100	P	Carlsbad, N. Mex.	
KOCA	z	100	P	Kilgore, Texas	
KPPC	ak	100	9	Pasadena, Calif.	--Su. 1200-1600; 2145-2400; †1000-0030
KVSO	ak	100	.....	Ardmore, Okla.	--Su. 0800-1800; †0800-2300
KWTN	ak	100	.....	Watertown, S. D.	
TGWR	ak	10000	.....	Guatemala City	--*1200-1300; †2000-2100; 2200-2400; Sa. 2000-0100
WALR	ak	100	.....	Zanesville, Ohio	--Su. 1000-2100; †0700-2100
WBAX	ae	100	.....	Wilkes Barre, Pa.	
WBBL	ak	100	S	Richmond, Va.	
WBLV	z	100	DP	Lima, Ohio	--Su. 1000-1600; †0600-1715
WBRB	ak	100	3	Red Bank, N. J.	
WCOL	ak	100	N	Columbus, Ohio	--Su. 1000-2200; †0700-2300
WCRW	ae	100	4	Chicago, Ill.	--*1100-1400; 1700-1900
WEBQ	ae	100	6(.25)	Harrisburg, Ill.	--*0700-1000; †1300-1700; Su., 1700-2230; M., W., F., 2130-0100; Tu., Th., Sa., 2030-2200
WEDC	ae	100	4	Chicago, Ill.	
WFAS	ak	100	3	White Plains, N. Y.	--Su. 1800-2100; M., 1300-1900; Tu., 0900-1100; W., 1500-1700; Th., 1300-1700; Sa., 1900-2200; Tu., Th., 2100-2400
WFOY	z	100	P	St. Augustine, Fla.	
WGBB	ae	100	3	Freeport, N. Y.	
WGCM	ak	100	(.25)	Gulfport, Miss.	
WGNV	ak	100	3	Newburgh, N. Y.	--†0730-0900; M., Tu., Th., F., 1100-1300; Sa., 0645-0900; 1130-1500; 2200-2400; Su. 0900-2400
WHBF	ak	100	(.25)	Rock Island, Ill.	--Su. 0800-0105; †0700-0105
WHBU	ak	100	(.25)	Anderson, Ind.	
WIBU	ak	100	(.25)	Poynette, Wis.	--Su. 1100-2200; †0800-2230
WJBY	ak	100	.....	Gadsden, Ala.	--Su. 0830-2300; M., W., F., 0630-ss.; Tu., Th., Sa., 0630-2300
WJEF	ae	100	D	Hagerstown, Md.	--Su. 0900-0030; †0715-0030
WJIM	z	100	(.25)	Lansing, Mich.	--†0800-2230; F., 2230-2300; Sa., 2230-0200; Su. 0930-2230
WJW	ae	100	(.25)	Akron, Ohio	--Su., 0600-1300; M., W., F., 1200-2400; Tu., Th., Sa., 1200-1800
WKOK	ak	100	.....	Sunbury, Pa.	--Su. 1330-1630; 2130-2400; †0700-2400
WLMU	z	100	P	Middlesboro, Ky.	--Su. 1300-2200; †0730-2200
WMBG	ak	100	C(.25)	Richmond, Va.	
WMFG	ak	100	X	Hibbing, Minn.	
WMFN	ak	100	Y	Clarksdale, Miss.	
WOCL	ak	50	.....	Jamestown, N. Y.	
WOMT	ak	100	50	Manitowoc, Wis.	--Su. 0900-1600; †0800-1800
WPAK	ak	100	D	Thomasville, Ga.	
WSAY	z	100	DP	Rochester, N. Y.	--*0600-0830; 1000-1100; 1400-1530; 2000-2200; 2300-2400
WSBC	ae	100	4	Chicago, Ill.	--Su., 0900-0100; †0700-0100
WSIX	ak	100	Y	Springfield, Tenn.	--Su. 0900-2400; †0700-2400
WSQC	ak	100	N(.25)	Charlotte, N. C.	
WTAX	ak	100	.....	Springfield, Ill.	--Su. 1100-1700; 1100-2100
XEAT	ak	300	(.25)	Hidalgo, Chih.	
XEE	z	50	.....	Durango, Dgo.	
XEFE	ak	100	.....	Juarez, Chih.	
XETH	ak	100	.....	Puebla, Pue.	
1220 kcs. (245.8)					
CMJE	z	50	.....	Camaguey, Cuba	
KFKU	ak	1000	a (5)	Lawrence, Kans.	--†1530-1600; M., Tu., Th., Sa., 1900-1915; W., F., 1900-1930
KTW	ak	1000	S2	Seattle, Wash.	
KWSC	ae	1000	2 (5)	Pullman, Wash.	--†0945-1100; 1330-0030 (Th. to 2230 only)
TIVCA	ak	.....	1225	San Jose, C. R.	
WCAD	ak	500	D	Canton, N. Y.	--†1230-1330; 1500-1600; Su. irreg.
WCAE	ak	1000	R(5)	Pittsburgh, Pa.	--Su. 0800-0200; †0700-0230
WDAE	ae	1000	C (5)	Tampa, Fla.	--Su. 0800-?; †0730-?
WREN	ak	1000	Ba(5)	Lawrence, Kas.	--Su. 0900-0100; †0800-1530; 1600-1900; M., Tu., Th., Sa., 1915-0100; W. F., 1930-0100
XETF	ak	30	.....	Veracruz, Ver.	--Su. 1100-1600; 2100-0100; †1100-1300; 1930-0100
1230 kcs. (243.8)					
CMCB	ak	150	.....	Havana, Cuba	
KGBX	ak	500	.....	Springfield, Mo.	
KGGM	ak	250	(.5)	Albuquerque, N. M.	--Su., 1245-2000; †0930-2330
KYA	ak	1000	N	San Francisco, Calif.	
WFBM	ae	1000	C(5)	Indianapolis, Ind.	--Su., 0800-0100; †0730-0100
WNAC	ak	1000	R (5)	Boston, Mass.	--Su., 0800-0100; †0630-0100
XEFE	ak	100	.....	Monterrey, N. L.	--†1100-1500; 1800-2000
YNOP	z	100	.....	Managua, Nic.	
1240 kcs. (241.8)					
CJCB	ak	1000	F	Sydney, N. S.	--Su. 1400-2300; †0700-1300; 1500-2300

NORTH AMERICAN B. C. STATIONS BY FREQUENCIES

CMHB	z	50	....	Sancti Spiritus, Cuba	
KGCU	ak	250	1	Mandan, N. D.	
KLPM	ak	250	1	Minot, N. D.	—Su. 1000-1245; 1430-1530; 1800-2100; †0800-1400; 1900-2045; 2300-0030
KTAT	ak	1000	....	Fort Worth, Texas	
KTFI	ak	1000	....	Twin Falls, Idaho	
WKAQ	ae	1000	....	San Juan, P. R.	—Su. 0900-2115; †0600-1230; 1600-2130; W., 1430-1600
WXYZ	ak	1000	B	Detroit, Mich.	
XEAC	z	250	....	Tijuana, L. C.	
XEAI	z	100	....	Mexico City, D. F.	
XELK	z	500	....	Leon, Guan.	
XELA	z	50	....	Saltillo, Coah.	
XEME	z	15	....	Merida, Yuc.	
1250 keys. (239.9)					
CMKC	ak	150	....	Santiago, Cuba	
KFOX	ae	1000	....	Long Beach, Calif.	
WCAL	ah	1000	2(2.5)	Northfield, Minn.	—Su. 0915-1030; 1600-1700; 2000-2100; †1045-1116; M., W., 2000-2100
WDSU	ak	1000	....	New Orleans, La.	—Su. 0800-2400; †0700-2400
WHBI	ak	1000	1(2.5)	Newark, N. J.	—Su. 0700-1000; 1230-1830; 2100-to 0700 Mon.; M. 1400-1700; 2000-2200
WLB	ak	1000	2	Minneapolis, Minn.	
WNEW	ae	1000	1(2.5)	Newark, N. J.	
WTCN	ak	1000	2 (5)	Minneapolis, Minn.	—Su. 1030-1600; 1700-2000; 2100-0100; †0700-1045; 2000-2400; M., Sa., 1015-1900; W., 1045-1900; Th., 1015-1045; 1330-2000
.....	z	1000	P	St. Louis, Mo.	
.....	z	250	DP	Winst.-Salem, N.C.	
1260 keys. (238.0)					
KGVO	ak	1000	C	Missoula, Mont.	—Su. 1100-0100; †0900-0100
KOIL	ak	1000	B(2.5)	Omaha, Nebr.	
KPAC	ak	500	D	Port Arthur, Texas	—*0600-1745
KRGV	ae	500	X	Weslaco, Texas	—*0800-2300
KUOA	ak	1000	DX	Siloam Spgs., Ark.	
KVOA	ak	500	X	Tucson, Ariz.	
WHIO	ak	1000	C (5)	Dayton, Ohio	—Su. 0100-0200; 0800-2400; †0600-0100
WNBX	ak	1000	....	Springfield, Vt.	—Su. 1030-1800; †0715-1330; Sa. 1500-2100; †1600-2200
WTOC	ae	1000	C	Savannah, Ga.	—Su. 0830-2400; †0700-2400
1270 keys. (236.1)					
CMHD	dk	250	....	Caibarien, Cuba	
KGCA	ak	100	2D	Decorah, Iowa	—*0930-1045; 1145-1230; 1330-1530
KOL	ae	1000	C(5)	Seattle, Wash.	
KVOR	ae	1000	C	Colorado Sp'gs, Colo.	—Su. 1100-0100; †0900-0100
KWLC	ak	100	2D	Decorah, Iowa	
WASH	ak	500	aN	Grand Rapids, Mich.	—Su. 0800-2400; †0700-2400
WFBR	ae	500	R (1)	Baltimore, Md.	—Su. 0900-2400; †0700-2400
WJDX	ae	1000	N(2.5)	Jackson, Miss.	
WOOD	ak	500	aN	Grand Rapids, Mich.	—Su. 0800-2400; †0700-2400
XEG	z	200	....	Ensenada, L. C.	
XFB	ak	250	....	Jalapa, Ver.	
YNLF	z	20	1275	Managua, Nic.	
1280 keys. (234.2)					
CMCU	aed	500	....	Havana, Cuba	—*0655-0100; Su. 0200-0500
KFBB	ae	1000	C (2.5)	Great Falls, Mont.	
WCAM	ae	500	1	Camden, N. J.	—Su. 1015-1230; 1500-1700; M., W., F., 1030-1130; Mon. thru Fri., 1400-1700; M., 2000-2400; F., 2100-2400
WCAP	ae	500	1	Asbury Park, N. J.	—Su. 0600-1015; 1230-1500, M., W., F., 1130-1400; Tu., Th., Sa., 1030-1400; daily exc. Mon., 2000-2400
WDOD	ak	1000	C(5)	Chattanooga, Tenn.	—*0730-0030
WIBA	ae	1000	N(5)	Madison, Wis.	
WORC	ak	500	C	Worcester, Mass.	—Su. 0845-2315; †0800-2400
WRR	ak	500	....	Dallas, Texas	—Su. 0830-2330; †0800-2400
WTNJ	ak	500	1	Trenton, N. J.	
XEMX	z	12	....	Mexico City, D. F.	
1290 keys. (232.4)					
KDYL	ak	1000	RX	Salt Lake City, Utah	—*0800-0300
KLCN	ak	100	D	Blytheville, Ark.	
KTRH	ak	1000	C(5)	Houston, Texas	
WEBC	ak	1000	N (5)	Duluth, Minn.	—Su. 0900-0100; †0800-0100

NORTH AMERICAN B. C. STATIONS BY FREQUENCIES

WJAS	ak	1000	C(5)	Pittsburgh, Pa.	—Sa., Su., 0730-2400; †0730-0030
WNBZ	ak	100	D	Saranac Lake, N. Y.	—Su. 1000-1400; †0930-ss.
WNEI	ak	1000	(2.5)	San Juan, P. R.	—*0630-2330
1300 kcys. (230.6)					
KALE	ak	500	3C	Portland, Ore.	
KFAC	ak	1000	...	Los Angeles, Calif.	
KFH	ak	1000	C	Wichita, Kans.	
KFJR	ag	500	3	Portland, Ore.	—†1330-1730; M., 2000-2100; M., Th., Sa., 2200-2300; Tu., W., 2200-0200; F., 2200-0130
WBBR	ak	1000	1	Brooklyn, N. Y.	—Su., 0800-1100; 1500-2000; †0630-0700; 1000-1200; Tu., W., Th., F., 1800-2000
WEVD	ak	1000	1	New York, N. Y.	—Sa. 1000-1200; 1500-2100; Su. 0000-0300; †0000-0100; 0700-0900; †1500-1800; Daily exc. M., 2000-2100; 2200-2300
WFAB	ae	1000	1	New York, N. Y.	
WFCB	ak	1000	(5)N	Greenville, S. C.	
WHAZ	ae	500	1	Troy, N. Y.	—†1800-2400
WHBL	ae	250	...	Sheboygan, Wis.	
WIOD	ak	1000	N	Miami, Fla.	
1310 kcys. (228.9)					
CHCK	ak	50	...	Charlottetown, P.E.I.	
CJKL	ak	100	F	Kirkland Lake, Ont.	
CJLS	ak	100	...	Yarmouth, N. S.	—Su. 1200-2300; †0755-2330
CKCV	ak	100	F	Quebec, Que.	
KCRJ	ak	100	D	Jerome, Ariz.	—Su. 0800-1000; †0700-1600; 1945-2245
KFPL	dk	100	(.25)	Dublin, Texas	—Su. 1030-2330; †0800-2400
KFXR	ak	150	(.2)	Oklahoma City, Okla.	—Su. 0900-1500; 1700-1915; †0800-2215; W., 2215-2400
KFFO	ak	100	(.25)	Lubbock, Texas	
KGCX	ak	100	(.25)XZ	Wolf Pt., Mont.	
KGEZ	ae	100	...	Kalispell, Mont.	—Su. 1100-1800; †0900-2300
KGFW	ak	100	...	Kearney, Neb.	—Su. 0930-1045; 1200-1300; 2030-2130; †0700-1430; 1630-2200
KHUB	z	250	DP	Watsonville, Calif.	
KINY	ak	100	...	Juneau, Alaska	—Su. 1500-1800; 2100-2400; †1200-0200; Sa. 0200-0300
KIT	ak	100	(.25)	Yakima, Wash.	
KIUJ	ak	100	...	Santa Fe, N. Mex.	
KMED	ck	100	(.25)	Medford, Ore.	
KPDN	z	100	D	Pampa, Texas	
KRMD	ak	100	...	Shreveport, La.	
KROC	ak	100	...	Rochester, Minn.	—Su. 1000-0015; †0700-0015
KROY	z	100	DP	Sacramento, Calif.	
KRRV	z	100	DP	Sherman, Texas	
KTSM	ak	100	...	El Paso, Texas	—Su. 1000-1130; 1500-2030; †0830-0100
KVOL	ak	100	...	Lafayette, La.	—Su. 1200-1900; †0800-1500; 1700-2230
KXRO	ak	100	...	Aberdeen, Wash.	—Su. 1300-2200; †1000-0200
WAML	ak	100	...	Laurel, Miss.	—Su. 1300-2000; †0800-1100; 1200-1500; 1700-2000; Sa. 2000-2230
WBEO	ae	100	...	Marquette, Mich.	—Su. 1000-1430; †1030-1730
WBOW	ak	100	(.25)	Terre Haute, Ind.	—*0700-2400
WBRE	ak	100	...	Wilkes Barre, Pa.	
WCLS	ak	100	...	Joliet, Ill.	—Su. 1000-2130; †0800-2130; F., 2130-2330
WCMI	ak	100	(.25)	Ashland, Ky.	—Su. 0900-2230; †0600-2330; Sa. 2330-2400
WDAH	ak	100	S	El Paso, Texas	—Su. 1130-1400; 2130-2230
WEBR	ak	100	B(.25)	Buffalo, N. Y.	—Su. 0000-0100; 0900-2400; †0700-2400
WEMP	ak	100	D	Milwaukee, Wis.	—Su. 0900-ss.; 0730-ss.
WEXL	ak	50	...	Royal Oak, Mich.	—*0800-2400; †0000-0400
WFBG	ae	100	3	Altoona, Pa.	—*1030-1630; †0700-0800; Su., 1815-2215; Tu., Th., F., 1930-2230; W., 2045-2215; Sa. 1815-2115
WFDF	ak	100	...	Flint, Mich.	—Su. 0900-2400; †0700-2400
WGH	ak	100	(.25)	Newport News, Va.	—Su. 0830-2230; †0700-2400
WHAT	ak	100	4	Philadelphia, Pa.	—Su. 0900-1015; 2000-2400; †1300-1400; M., W., F., 0900-1030; 1130-1200; M., F., 1700-1830; Tu., 0900-1200; 2030-2400; W., 1700-2400; Th. 0900-1100; Sa., 0900-1130; 1300-1600; 2100-2400
WJAC	ae	100	3	Johnstown, Pa.	—*0830-1030; Sa., Su., 1630-1815; Tu., Th., F., 1630-1930; M., 1630-2400; W., 1630-2045
WLAK	z	100	...	Lakeland, Fla.	
WLBC	ak	100	6(.25)	Muncie, Ind.	—Su. 0930-1900; †0700-1900; 2030-2400
WLNH	ak	100	...	Laconia, N. H.	
WMBO	ak	100	...	Auburn, N. Y.	
WMFF	ak	250	D	Plattsburg, N. Y.	
WNBH	ak	100	(.25)	New Bedford, Mass.	—Su. 0845-2315; †0730-2315; Sa. to 2400
WOL	ae	100	XZ	Washington, D. C.	—Su. 0800-2400; †0700-0100
WRAW	ak	100	...	Reading, Pa.	—Su. 1800-?; †0700-1300; †1630-2230; Sa. 1700-2300
WROL	ak	100	(.25)	Knoxville, Tenn.	
WSAJ	ae	100	...	Grove City, Pa.	

NORTH AMERICAN B. C. STATIONS BY FREQUENCIES

WSGN	ak	100	(.25)	Birmingham, Ala.	
WSJS	ak	100	C	Winston-Salem, N.C.	—Su. 0830-2400; †0800-2400
WTAL	ak	100	....	Tallahassee, Fla.	—Su. 0900-2200; †0800-2200
WTEL	ce	100	4	Philadelphia, Pa.	—*0800-2400
WTJS	ak	100	(.25)	Jackson, Tenn.	
WTRC	ak	100	6(.25)	Elkhart, Ind.	—Su. 1200-2215; †0700-2030
XEAG	z	10	....	Cordoba, Ver.	
XEGW	z	10	....	Mexico City, D. F.	
XEFW	ak	250	....	Tampico, Tams.	—Su. 1130-1600; †1100-2200
XETB	ak	125	....	Torreón, Coah.	
XEX	ak	125	....	Monterrey, N. L.	
XFA	z	5	....	Aguascalientes, Aga.	
.....	z	100	P	Cedar City, Utah	
.....	z	100	DP	Corcoran, Texas	
.....	z	100	DP	Jefferson City, Mo.	

1320 kcs. (227.1) 1310

CMOX	ak	200	....	Havana, Cuba	
KGHF	am	500	....	Pueblo, Colo.	—Su. 1230-1830; 0930-2345
KGMB	ak	1000	C	Honolulu, T. H.	—Su. 0130-1700; †0130-1800; Sa., 1800-1830
KID	ae	500	(1)	Idaho Falls, Idaho	
KRNT	ak	500	C(1)	Des Moines, Iowa	—Su. 0830-0100; †0630-0100
WADC	ae	1000	C(5)	Akron, Ohio	—*0700-0100
WORK	ak	1000	....	York, Pa.	—Su. 1045-2030; †0800-2200
WSMB	ak	1000	N	New Orleans, La.	

1330 kcs. (225.4) 1340

CMHK	z	250	....	Cruces, Cuba	
CMKW	z	250	....	Santiago, Cuba	
KGB	ag	1000	C(2.5)	San Diego, Calif.	—Su. 1100-0300; †1000-0400
KMO	ak	250	....	Tacoma, Wash.	—Su. 1300-2200; †0900-0300
KSCJ	ak	1000	C(2.5)	Sioux City, Iowa	—Su. 0900-0100; †0700-0100
WDRC	ae	1000	C(5)	Hartford, Conn.	—Su. 0930-2400; †0700-2400
WSAI	ak	1000	N(2.5)	Cincinnati, Ohio	—Su. 0800-0100; †0700-0100
WTAQ	ae	1000	....	Green Bay, Wis.	

1340 kcs. (223.7) 1350

CMAB	z	....	....	Pinar del Rio, Cuba	
CMJL	z	75	....	Camaguey, Cuba	
HRN	z	50	....	Tegucigalpa, Hond.	—Su. 1000-1500; †0800-1845
KGDY	ak	250	D	Huron, S. D.	—Su. 1100-0100; †1000-0100
KGIR	ak	1000	N(2.5)	Butte, Mont.	
KGNO	ak	250	....	Dodge City, Kans.	—Su. 0900-2400; †0830-2400
WGOA	ak	500	C	Pensacola, Fla.	—Su. 0845-2400; †0800-2400
WFEA	ae	500	C(1)	Manchester, N. H.	—Su. 0830-0100; †0630-0100
WSPD	ae	1000	C(5)	Toledo, Ohio	
XEFE	z	250	....	Nuevo Laredo, Tams.	
XFD	z	350	....	Jalapa, Ver.	

1350 kcs. (222.1) 1340

CMCA	z	250	....	Havana, Cuba	
KIDO	ak	1000	(.25)	Boise, Idaho	—Su. 1230-2000; †1000-2400
KWK	ak	1000	B(5)	St. Louis, Mo.	—Su. 0800-0100; †0630-0100
WAWZ	ae	500	I(1)	Zarephath, N. J.	—Daily exc. Tu., Sa., 0600-0900; Tu., Sa., 0745-0845; Su. 1100-1230; 1500-1630; 1900-2030; M., W., 1900-2030; Tu., Th., F., Sa., 1700-1830
WBNX	ae	1000	1	New York, N. Y.	—Su. 0900-1100; 1230-1500; 1630-1900; 2030-0015; †0900-1700; M., W., 1700-1900; 2030-0015; Tu., Th., F., Sa., 1830-0015

1360 kcs. (220.4) 1370

CMJH	dk	50	....	Ciego de Avila, Cuba	
KCRC	ak	250	....	Enid, Okla.	—*0800-2300
KGER	ak	1000	....	Long Beach, Calif.	
WGSC	ak	500	(1)N	Charleston, S. C.	—Su. 0800-2400; †0700-2400
WFBL	ak	1000	C(5)	Syracuse, N. Y.	—Su. 0900-0100; †0700-0100
WGES	ae	500	1	Chicago, Ill.	—Su. 0900-1800; †0800-1300; 1630-2100
WQBC	ak	1000	D	Vicksburg, Miss.	
WSBT	ak	500	1	South Bend, Ind.	

1370 kcs. (218.8) 1380

CKCW	ak	100	F	Moncton, N. B.	
CMGE	ak	150	....	Cardenas, Cuba	—Su. 0800-2200; †1000-1300; 1900-2230
HIZ	z	10	....	Trujillo, D. R.	
KAST	ak	100	D	Astoria, Ore.	—†1100-2030
KCMO	ak	100	....	Kansas City, Mo.	—Su. 0000-0500; 0700-0100; †0700-0200
KELD	z	100	....	El Dorado, Ark.	
KERN	ak	100	....	Bakersfield, Calif.	*1100-0300

NORTH AMERICAN B. C. STATIONS BY FREQUENCIES

KFGQ	ak	100	....	Boone, Iowa	—Su. 0830-1000; 1130-1230; 1530-1700; †0700-0830; 1030-1100; 1300-1400
KFJM	ak	100	(.25)XZ	Grand Forks, N. D.	
KFJZ	ae	100	(.25)	Fort Worth, Texas	—Su. 0800-2400; †0730-2400
KFRO	ak	100	D	Longview, Texas	—Su. 0900-ss.; †0700-ss.
KGAR	ae	100	(.25)	Tucson, Ariz.	
KGFG	bk	100	....	Oklahoma City, Okla.	
KGFL	ak	100	4	Roswell, N. M.	
KGKL	ak	100	(.25)	San Angelo, Texas	
KICA	ak	100	4	Clovis, N. M.	—Su. 1300-1830; †0900-1830; 2130-2300
KIUP	ak	100	....	Durango, Colo.	—Su. 1300-1830; †1000-2300
KLUF	ak	100	(.25)	Galveston, Texas	—Su. 1000-1515; 1900-2130; †0900-1600; 1800-2400
KMAC	ak	100	5	San Antonio, Tex.	—*2300-0130; Su. 0800-1000; 1200-1330; 1500-1700; 1900-2100; †0800-0930; 1100-1200 1300-1430; 1700-1900; 2000-2100
KOBH	ak	100	P	Rapid City, S. Dak.	—Su. 1100-2000; †0800-2400
KONO	ak	100	5	San Antonio, Tex.	—Su. 1000-1200; 1330-1500; 1700-1900; 2100-2300; †0700-0800; 0930-1100; 1200-1300; 1430-1700; 1900-2000; 2100-2300
KRE	ak	100	(.25)	Berkeley, Calif.	—24 hours daily
KRKO	ak	50	1	Everett, Wash.	
KSLM	ak	100	....	Salem, Ore.	—Su. 1200-2345; †1000-0100
KTEM	z	100	DP	Tempe, Texas	
KUL	ak	100	....	Walla Walla, Wash.	—Su. 1200-2400; †0930-0100
KVL	ak	100	1	Seattle, Wash.	—Su. 2000-0100; †1500-1930; 2200-0100
KWYO	ak	100	(.25)	Sheridan, Wyo.	—Su. 1000-1400; 1900-2330; †0900-2400
WABY	ak	100	B	Albany, N. Y.	—*0700-2400
WAGF	ak	250	D	Dothan, Ala.	—Su. 0900-1730; †0900-ss.
WATL	ak	100	....	Atlanta, Ga.	—Su. 0000-0100; †0700-0100
WBLK	z	100	DP	Clarksburg, W. Va.	
WBNY	ak	100	2(.25)	Buffalo, N. Y.	—Su. 1000-2400; †0730-0830; 1000-2400
WBTM	ak	100	(.25)	Danville, Va.	—Su. 1000-1300; †0700-1400; 1700-2200
WCBM	ae	100	(.25)	Baltimore, Md.	
WDAS	ag	100	(.25)	Philadelphia, Pa.	—*0800-2400
WDWS	ak	100	DP	Champaign, Ill.	—On air Dec. 1, 1936
WEOA	z	100	....	Evansville, Ind.	
WFOR	ak	100	....	Hattiesburg, Miss.	—Su. 1300-1900; †0800-2100
WGL	ae	100	C	Fort Wayne, Ind.	
WGRC	z	250	DP	New Albany, Ind.	
WHBO	ak	100	....	Memphis, Tenn.	—Su. 0900-2230; †0800-2330
WHDF	ak	100	(.25)	Calumet, Mich.	—Su. 1930-1345; 1630-1800; †1145-1330; M., W., F., 1630-1845; Tu., Th., Sa., 1630-1830
WHLB	ak	100	P	Virginia, Minn.	
WIBM	ak	100	(.25)	Jackson, Mich.	—*0630-0030
WLLH	ak	100	(.25)	Lowell, Mass.	—Su. 0800-2400; †0730-2400
WMBR	ak	100	C(.25)	Jacksonville, Fla.	—Su. 0830-2400; †0730-2400
WMFD	ak	100	D	Wilmington, N. C.	
WMFO	ak	100	D	Decatur, Ala.	—Su. 1930-1830; †0800-1830
WMIN	ak	100	....	St. Paul, Minn.	—*0700-0100
WOC	ak	100	C(.25)	Davenport, Iowa	—Su. 1000-0100; †0700-0100
WPAY	ak	100	....	Portsmouth, Ohio	—Su. 0930-2030; †0700-2215
WPR	z	100	(.25)P	Mayaguez, P. R.	
WQDM	ae	100	DXZ	St. Albans, Vt.	
WRAC	ak	100	(.25)	Williamsport, Pa.	
WRDO	ae	100	....	Augusta, Maine	—Su. 1000-1500; 1700-1930; †0800-1430; 1700-2315; Sa., 0800-2100
WRJN	ak	100	(.25)	Racine, Wis.	—Su. 0800-2400; †0845-2400
WSVS	ak	50	D2	Buffalo, N. Y.	
XEFZ	ak	100	....	Mexico City, D. F.	
XEI	z	125	....	Morelia, Mich.	
XZZZ	z	100	....	San Luis Potosi, SLP.	
.....	z	100	DP	Wausau, Wis.	

1380 kcys. (217.3)

CMCR	z	150	....	Havana, Cuba	
KOH	ak	500	C	Reno, Nev.	—*1100-0300
KQV	ae	500	1C	Pittsburgh, Pa.	—Su. 0900-1930; †0700-2200
WALA	af	500	C(1)	Mobile, Ala.	—Su. 1000-2300; †0830-2400
WKBH	ae	1000	....	LaCrosse, Wis.	
WNB	ak	250	D	New Britain, Conn.	—Su. 0800-ss.; †0700-ss.
WSMK	ak	200	1C	Dayton, Ohio	

1390 kcys. (215.7)

CJGX	ak	100	....	Yorkton, Sask.	—*0830-1530; 1800-0030
CMJC	z	150	....	Camaguey, Cuba	
HH	ak	15	1395	San Ped. de Macoris	
KLRA	ae	1000	C(2.5)	Little Rock, Ark.	—Su. 1100-2415; †0900-2415
KOY	ae	500	(1)	Phoenix, Ariz.	—Su. 0800-2400; †0700-2400
WHK	ae	1000	C(2.5)	Cleveland, Ohio	

NORTH AMERICAN B. C. STATIONS BY FREQUENCIES

1400 kcys. (214.2) 1.27

CMGC	ad	150	....	Matanzas, Cuba	—M., 1000-2300; daily exc. Su., M., 0800-2300
CMKR	z	100	....	Santiago, Cuba	
KHBC	z	250	....	Hilo, T. H.	
KLO	ak	500	B	Ogden, Utah	—Su. 1100-0100; †1000-0100
KTUL	ak	500	C(1)	Tulsa, Okla.	
TGX	ak	250	...	Guatemala City, Gt.	
WARD	ak	500	2	Brooklyn, N. Y.	
WBBC	ae	500	2(1)	Brooklyn, N. Y.	
WGL	z	500	P	Brooklyn, N. Y.	
WVIRE	ak	500	R(1)	Indianapolis, Ind.	—Su. 0900-0100; †0730-0100
WLTH	ak	500	2	Brooklyn, N. Y.	—Su. 1030-1200; 1500-1630; 2230-2400; M. 1330-1600; 2100-2230; Tu. 1130-1330; 1930-2100; W., 1600-1800; 2200-2400; Th. 0700-1130; 1800-1930; F. 1330-1600; 2100-2200; Sa. 1100-1330; 1800-1930

WVFW ak 500 2 Brooklyn, N. Y.

1410 kcys. (212.6)

CKFC	ak	50	5	Vancouver, B. C.	
CKMO	ag	100	5F	Vancouver, B. C.	
CMCQ	ak	250	....	Havana, Cuba	
KGNC	ae	1000	(2.5)	Amarillo, Texas	
WAAB	ak	500	....	Boston, Mass.	—24 hours a day
WBCM	ae	500	....	Bay City, Mich.	—*0900-0030
WHIS	ak	500	(1)	Bluefield, W. Va.	
WROK	ak	500	....	Rockford, Ill.	—Su. 0930-2400; †0730-2400
WSFA	ak	500	C(1)	Montgomery, Ala.	—*0730-2400

1420 kcys. (211.1)

CKGB	ak	100	F	Timmins, Ont.	—Su. 1100-1230; 1645-2330; †1100-1330; 1630-2330
KABC	ak	100	(.25)	San Antonio, Texas	—Su. 0900-2300; †0700-0015
KABR	ak	100	....	Aberdeen, S. Dak.	—Su. 1000-1800; †0800-2300
KALB	z	100	D	Alexandria, La.	—Su. 1000-1900; †0800-ss.
KBPS	ak	100	4	Portland, Ore.	—†1400-1530; 1800-2000
KCMC	ak	100	....	Texarkana, Ark.	
KEUB	z	100	P	Price, Utah	—Su. 1100-2400; †0930-2400
KFIZ	ak	100	....	Fond du Lac, Wis.	
KGFF	ak	100	(.25)	Shawnee, Okla.	—*0800-2200
KGCG	ak	100	....	San Francisco, Cal.	
KGIW	ak	100	1	Alamosa, Colo.	—*0930-1730; 2000-2230
KIDW	ak	100	1	Lamar, Colo.	—Su. 1300-1630; †0900-2000
KIUN	ak	100	....	Pecos, Texas	—Su. 0900-1400; 1700-2200; †0800-2200
KNET	z	100	D	Palestine, Texas	
KORE	ae	100	....	Eugene, Ore.	
KRBC	ak	100	....	Abilene, Tex.	—*0800-2200
KRLC	ak	100	XZ	Lewiston, Idaho	—Su. 1200-2400; †0930-0100
KRLH	z	100	D	Midland, Tex.	
KUMA	ak	100	....	Yuma, Ariz.	
KWBG	ak	100	....	Hutchinson, Kans.	
KXL	ak	100	4(.25)	Portland, Ore.	
WACO	ak	100	C	Waco, Texas	
WAGM	ae	100	....	Presque Isle, Maine	—Su. 0945-1400; †1100-1300; 1600-1900
WAPO	ak	100	DP	Chattanooga, Tenn.	—Su. 0800-1900; †0700-1900
WAZL	ak	100	2	Hazleton, Pa.	—Su. 1200-1930; †0900-1330; 1600-2200
WCB	ak	100	....	Springfield, Ill.	—Su. 0900-2300; †0800-2300
WCHV	ak	100	3(.25)	Charlottesville, Va.	—Su. 1000-2000; †0700-2000; Sa. 2300-2400
WEED	ak	100	3(.25)	Rocky Mt., N. C.	
WEHS	ak	100	a	Cicero, Ill.	—Su. 1600-2000; †1600-1800
WELL	ak	100	....	Battle Creek, Mich.	—Su. 1045-2400; †0730-2400
WGPC	ak	100	....	Albany, Ga.	
WHDL	ak	100	D	Olean, N. Y.	—Su. 0800-1730; †0700-ss.
WHFC	ae	100	a	Cicero, Ill.	—Su. 0700-1600; 2000-0100; †0700-1330; 1800-2100; 2300-0100; Sa. 1800-0100
WILM	aj	100	2	Wilmington, Del.	
WJBO	ak	100	....	Baton Rouge, La.	
WJBR	z	100	P	Gastonia, N. C.	
WJMS	ak	100	....	Ironwood, Mich.	
WKBI	ak	100	a	Cicero, Ill.	—†1330-1600; †2100-2300
WLAP	ak	100	(.25)	Lexington, Ky.	
WLB	ak	100	Z	Kansas City, Kan.	—Su. 1000-2300; †0755-2300
WLEU	ak	100	(.25)	Erie, Pa.	
WMAS	ak	100	C(.25)	Springfield, Mass.	—Su. 0800-2400; †0700-2400
WMBC	ae	100	(.25)	Detroit, Mich.	—Su. 0930-2400; †0730-2400
WMBH	ak	100	(.25)	Joplin, Mo.	
WMFJ	ak	100	....	Daytona Beach, Fla.	
WMSD	ak	100	....	Sheffield, Ala.	—Su. 1000-2200; †0800-2300

NORTH AMERICAN B. C. STATIONS BY FREQUENCIES

WPAD ak 100 (.25) Paducah, Ky. —*0700-2400
 WPAR ak 100 Parkersburg, W. Va.
 WPRP z 100 P(.25) Ponce, P. R.
 XEAX z 7 Guanajuato, Gto.
 XEFB ak 100 Monterrey, N. L.
 z 100 (.25)P Watertown, N. Y.

1430 kcys. (209.7) 1.435

CMJP ak 75 Camaguey, Cuba
 KECA ak 1000 (5) B Los Angeles, Calif. —*1000-0300
 KGNF ak 1000 D North Platte, Neb. †0800-1815
 KSO ak 500 B (1) Des Moines, Iowa
 WBNS ak 500 C (1) Columbus, Ohio —Su. 0700-2400; †0630-2400
 WHEC ak 500 C (1) Rochester, N. Y. —Su. 0800-2400; †0700-2400
 ✓WHP ak 500 C (1) Harrisburg, Pa. —Su. 0900-2400; †0630-2400
 WNBR ae 500 (1) Memphis, Tenn. —Su. 1030-2230; †0830-2310
 WOKO ae 500 C (1) Albany, N. Y. —Su. 0845-0100; †0800-0100

1440 kcys. (208.2) 1.425

CMOA z 150 Havana, Cuba
 HP50 z 25 Colon, Panama
 KDFN ak 500 Casper, Wyo.
 KLS ae 250 D Oakland, Calif. —Su. 1100-1930; †0900-2045
 KXYZ ak 1000 Houston, Texas
 TIFS z 7.5 (1441) Cartago, C. R.
 WBIG ae 500 C (1) Greensboro, N. C. —Su. 0830-2330; †0630-2330
 ✓WCBA aj 500 a Allentown, Pa. —Su. 1000-2300; †0730-2330
 WMBD ak 500 C (1) Peoria, Ill. —Su. 0900-0100; †0700-2400
 WSN aj 500 a Allentown, Pa. —M., 1300-1700; Tu., Th., Sa., 1300-2330
 XEPI ae 250 Chihuahua, Chih.

1450 kcys. (206.8) 1.450

CFCT ae 75 (.05) Victoria, B. C. —*1045-1630; 2030-0015; Su. 0300-0500
 CHGS ae 50 F Summerside, P.E.I. —Su. 1000-1200; 1400-2200; †0630-0730; 0900-1330; 1500-2200
 KIEM ak 500 Eureka, Calif. —Su. 1200-0030; †1000-0100
 KTBS ak 1000 N Shreveport, La. —Su. 0900-0100; †0730-0100
 WCAR ak 500 B (1) Cleveland, Ohio —Su. 0800-2400; †0700-2400
 WHOM ae 250 Jersey City, N. J. —*0700-2400
 WWSR ae 1000 Fall River, Mass.
 WFTI ak 500 Y Athens, Ga.
 XEF ak 100 Juarez, Chih. —*0900-2400

1460 kcys. (205.4) 1.450

CMKF z 50 Holguin, Cuba
 KSTP ak 10000 N (25) St. Paul, Minn. —Su. 0900-0100; †0700-0200
 WJVS ak 10000 C Washington, D. C.

1470 kcys. (204.0) 1.470

CMOK z 150 Havana, Cuba
 KGA ak 5000 B Spokane, Wash.
 WLAC ak 5000 C Nashville, Tenn.

1480 kcys. (202.6) 1.480

KOMA ak 5000 C Oklahoma City, Okla. —Su. 0900-0100; †0730-0100
 WKBW ae 5000 C Buffalo, N. Y. —Su. 0930-2400; †0800-0100
 z 5000 P Hammond, Ind.

1490 kcys. (201.2) 1.490

KFBK ak 5000 C Sacramento, Calif. —Su. 1030-0300; †1000-0300
 WKCY ae 5000 N Covington, Ky. —Su. 0800-2400; †0700-2400

1500 kcys. (199.9) 1.490

CJIC ak 100 Sault Ste. Marie, Ont. —Su. 1100-1500; †1000-2200
 CMCX z 150 Havana, Cuba
 KBIX z 100 Muskogee, Okla. —Su. 1045-1900; †0800-2300
 KBST z 100 P Big Spring, Tex.
 KDB ak 100 C Santa Barbara, Cal.
 KGF ak 100 (.25) Corpus Christi, Tex.
 KGFK ak 100 Y Moorhead, Minn.
 KCKB ak 100 Tyler, Texas
 KCKY ak 100 (.25) Scottsbluff, Neb. —Su. 1200-0200; †0830-1630; 1900-2300

NORTH AMERICAN B. C. STATIONS BY FREQUENCIES

KNEL	ak	100	D	Brady, Texas	—Su. 0900-1800; †0800-1800
KNOW	ak	100	C	Austin, Texas	
KOTN	ak	100	D	Pine Bluff, Ark.	—*0800-ss.
KOVC	ak	100	....	Valley City, N. Dak.	—*0800-2200
KPLC	ak	100	....	Lake Charles, La.	
KPLT	z	100	DP	Paris, Texas	
KPO	ak	100	(.25)	Wenatchee, Wash.	
KRNR	ak	100	D	Roseburg, Ore.	—Daytime only.
KTEP	z	100	P	El Paso, Texas	
KUTA	z	100	P	Salt Lake City, Utah	
KVOE	ak	100	....	Santa Ana, Calif.	—Su. 1400-1545; 2200-0200; †1200-0200
KXO	ak	100	....	El Centro, Calif.	—Su. 1200-1400; †1100-1700; 1800-2400
WCNW	ak	100	1	(.25) Brooklyn, N. Y.	—Su. 0900-1100; †1400-1800; Sa. 1500-2100; Su. 2300-2400; M., F., 2000-2200; W., 2200-2400
WDNC	ae	100	C	Durham, N. C.	—*0730-0030
WBAL	ae	100	(.25)	Lancaster, Pa.	
WBHB	ak	100	D	Selma, Ala.	—Su. 0800-ss.; †0730-ss.
WHEF	ak	100	(.25)	Kosciusko, Miss.	—Su. 0900-ss.; †0730-1500; 1700-2200
WJBK	ae	100	(.25)	Detroit, Mich.	—24 hours daily
WKBB	ak	100	(.25)	E. Dubuque, Ill.	
WKBV	ak	100	(.25)	Richmond, Ind.	
WKBZ	ak	100	(.25)	Muskegon, Mich.	—Su. 0730-2200; †0700-2200
WKEU	ak	100	D	Griffin, Ga.	
WMBQ	ae	100	1	Brooklyn, N. Y.	
WMEX	ak	100	(.25)	Boston, Mass.	
WNBF	ae	100	C	Binghamton, N. Y.	
WNLC	ak	100	D	New London, Conn.	
WQPI	ae	100	....	Bristol, Tenn.	—Su. 1030-2130; †0700-2300
WRDW	ak	100	....	Augusta, Ga.	—Su. 0900-2100; †0700-2100
WRGA	ak	100	(.25)	Rome, Ga.	—Su. 1000-2300; †0800-2300
WSYB	ak	100	....	Rutland, Vt.	—Su. 1000-1100; †1000-1300; 1700-2100
WTMV	ak	100	....	East St. Louis, Ill.	
WWRL	ak	100	1	(.25) Woodside, N. Y.	—*0800-0900; 1100-1400; 2000-2400
WWSW	ae	100	(.25)	Pittsburgh, Pa.	
.....	z	100	P	Salina, Kans.	

1510 keys. (198.6)

CFRC	ak	100	F	Kingston, Ont.	—Su. 0600-2300; †1200-1300; 1730-2300
CKCR	ak	100	....	Waterloo, Ont.	—Su. 1000-1400; 1700-2200; †0800-2300

1530 keys. (196.0)

✓WIXBS	ak	1000	....	Waterbury, Conn.	—Su. 0900-2400; †0800-2400
W9XBY	ak	1000	....	Kansas City, Mo.	—Su. 0900-0130; †0800-0330

1550 keys. (193.4)

W2XR	ak	1000	....	Long Isl. City, N.Y.	—Su. 1700-2100; †1000-1200; 1700-2115
W6XAI	ak	1000	....	Bakersfield, Calif.	—Su. 1100-0200; †1000-0200

KEY TO SYMBOLS

As shown in the Index by
Frequencies and Dial Numbers

Frequency is given in kilocycles; wave lengths in meters. Night power is shown in watts in third column. Daytime power is shown in parenthesis in fourth column in kilowatts, thus (.25) indicating 250 watts. Some stations outside the United States use a "split frequency." Their exact frequency is shown in fourth column.

Second Column Symbols				Fourth Column Symbols			
a	Verifies reception for return postage.	k	Has no stamps.	B	National "Blue" network.	P	Has construction permit only.
b	Verifies only occasionally.	m	Verifies for 5c.	C	Columbia network.	R	National "Red" network.
c	Does not verify.	n	Weather or time only.	D	Day time only.	S	Sunday only.
d	Verification 10c; letter 25c.	z	No information available.	Dn	Day time with occasional evening hours.	Sy	Synchronized.
e	Sends Ekko stamp for 10c.			F	Canadian Radio Brdestg. Commission.	X	Has permit to increase power.
f	Sends Ekko stamp for 5c.			N	National "Red" and "Blue"	Y	Has permit to change location.
g	Sends Ekko stamp for postage.					Z	Has permit to change frequency.
h	Sends own station stamp for 10c.					a-b-c.	Small letters show stations using same transmitter.
i	Sends own station stamp for 5c.					1-2-3.	Figures denote stations sharing time.
j	Sends own station stamp for postage.					....	No information.

Time on the Air

All times are shown in Eastern Standard. * Daily; † Daily except Sunday; ‡ Daily except Saturday and Sunday. Su. Sunday; M. Monday; Tu. Tuesday; W. Wednesday; Th. Thursday; F. Friday; Sa. Saturday. The hours are given according to the International or 24-hour clock. To convert to ordinary time, subtract 12 where the time shown is greater than that figure. Thus, 1700 is 5:00 p.m.; 1200 is noon; midnight is either 0000 or 2400. The letters ss indicate sunset.

NORTH AMERICAN B. C. STATIONS BY LOCATIONS

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

ALABAMA				CALIFORNIA				Stockton				Gainesville			
Birmingham				Bakersfield				KGDM	1100	1000		WRUF	830	5000	
WAPI 1140	5000 N			KERN 1370	100 C			KWG	1200	100 C		Jacksonville			
WBRG 930	1000 C			W6XAI 1550	1000			Watsonville				WJAX	900	1000 N	
WSGN 1310	100			Berkeley				KHUB	1310	250		WMBR	1370	100 C	
Decatur				KRE 1370	100			COLORADO							
WMFO 1370	100			Beverly Hills				Alamosa				Lakeland			
Dothan				KMPC 710	500			KGIW	1420	100		WLAK	1310	100	
WAGF 1370	250			Chico				Colorado Springs				Miami			
Gadsden				KHSL 950	250			KVOR	1270	1000 C		WIOD	1300	1000 N	
WJBY 1210	100			Del Monte				Denver				WQAM	560	1000 C	
Huntsville				KDON 1210	100			KFEL	920	500		Orlando			
Mobile				El Centro				KLZ	560	1000 C		WDBO	580	1000 C	
WALA 1380	500 C			KXO 1500	100			KOA	830	5000 N		WCOA	1340	500 C	
Montgomery				Eureka				KPOF	880	500		St. Augustine			
WSFA 1410	500 C			KTEM 1450	500			KVOD	920	500		WFOY	1210	100	
Selma				Fresno				Durango				St. Petersburg			
WHBB 1500	100			KMJ 580	500 C			KIUP	1370	100		WSUN	620	1000 N	
Sheffield				Glendale				Grand Junction				Tallahassee			
WMSD 1420	100			KIEV 850	250			KFXJ	1200	100		WTAL	1310	100	
Tuscaloosa				Hollywood				Greeley				Tampa			
WJRD 1200	100			KFWB 950	1000			KFKA	880	500		WVDAE	1220	1000 C	
ALASKA				KMTR 570	1000			Lamar				West Palm Beach			
Anchorage				KNX 1050	50000			KIDW	1420	100		WJNO	1200	100	
KFOQ 780	250			Long Beach				Pueblo				GEORGIA			
Juneau				KFOX 1250	1000			KGHF	1320	500		Albany			
KINY 1310	100			KGER 1360	1000			Sterling				WGBC	1420	100	
Ketchikan				Los Angeles				KGEK	1200	100		Athens			
KGBU 900	500			KECA 1430	1000 B			CONNECTICUT							
ARIZONA				KEHE 780	500			Bridgeport				WRDW	1500	100	
Jerome				KFAC 1300	1000			WICC 600	500 C			Columbus			
KCRJ 1310	100			KFI 640	50000 R			Hartford				WRBL	1200	100	
Lowell				KFSG 1120	500			WDRG 1330	1000 C			Griffin			
KSUN 1200	100			KFVD 1000	250			WTRC 1040	50000 R			WKEU	1500	100	
Phoenix				KGFJ 1200	100			WTTT 1200	100			Macon			
KOY 1390	500			KHJ 900	1000 C			New Britain				WMAZ	1180	1000	
KTAR 620	1000 N			KRKD 1120	500			WNBC 1380	250			Rome			
Tucson				Marced				New Haven				WRG	1500	100	
KGAR 1370	100			KYOS 1040	250			WELF 900	500			Savannah			
KVOA 1260	500			Modesto				New London				WTOG	1260	1000 C	
Yuma				KTRB 740	250			WNLC 1500	100			Thomasville			
KUMA 1420	100			Oakland				Waterbury				WPAX	1210	100	
ARKANSAS				KLS 1440	250			WATR 1190	100			Waycross			
Blytheville				KLX 880	1000			WVIXBS 1530	1000			HAWAII			
KLCN 1290	100			KROW 930	1000			Wilmington				Hilo			
El Dorado				Pasadena				WDEL 1120	250			KHBC	1400	250	
KELD 1370	100			KPPC 1210	100			WILM 1420	100			Honolulu			
Fort Smith				Redding				DISTRICT OF COLUMBIA							
KFPW 1210	100			KVCV 1200	100			Washington				KGMB	1320	1000 C	
Hot Springs				Sacramento				WJVS 1460	10000 C			KGU	750	2500 N	
KTHS 1060	10000 N			KFBK 1490	5000 C			WMAL 636	250 B			IDAHO			
Jonesboro				KROY 1310	100			WOL 1310	100			Boise			
KBTM 1200	100			San Bernardino				WVRC 950	500 R			KIDO	1350	1000	
Little Rock				KFXM 1210	1000			FLORIDA							
KARK 890	250			San Diego				Clearwater				Idaho Falls			
EGHI 1200	100			KFSD 600	1000 B			WFLA 620	1000 N			KID	1326	500	
KLRA 1390	1000 C			KGB 1330	1000 C			Daytona Beach				Lewiston			
Pine Bluff				DISTRICT OF COLUMBIA				WMFJ 1420	100			KRLC	1420	100	
KOTN 1500	100			KFRG 610	1000 C			FLORIDA							
Siloam Springs				KGGC 1420	100			WJVS 1460	10000 C			Nampa			
KUOA 1260	1000			KGO 790	7500 B			WMAL 636	250 B			KFXD	1200	100	
Texarkana				KJBS 1070	500			WOL 1310	100			Pocatello			
KCMC 1420	100			KPO 680	50000 R			WVRC 950	500 R			KSEI	900	250	
				KSPF 560	1000										
				KYA 1230	1000 N										
				San Jose											
				KQW 1010	1000										
				San Luis Obispo											
				KVEC 1200	250										
				Santa Ana											
				KVOE 1500	100										
				Santa Barbara											
				KDB 1500	100 C										

NORTH AMERICAN B. C. STATIONS BY LOCATIONS

ILLINOIS			Muncie			Covington			Fall River		
Bloomington			WLBC 1310	100		WCKY 1490	5000 N		WSAR 1450	1000	
WJBC 1200	100		New Albany			Lexington			Lowell		
Carthage			WGRC 1370	250		WLAP 1420	100		WLLH 1370	100	
WCAR 1070	100		Richmond			Louisville			New Bedford		
Champaign			WKBV 1500	100		WAVE 940	1000 N		WNBH 1310	100	
WDWS 1370	100		South Bend			WHAS 820	50000 C		Springfield		
Chicago			WIFM 1200	100		Middlesboro			WBZA 990	1000 B	
WAAF 920	1000		WSBT 1360	500 C		WLMU 1210	100		WMAS 1420	100 C	
WBFB 770	50000 C		Terre Haute			Paducah			WSPR 1140	500	
WCFB 970	5000 B		WBOV 1310	100		WPAD 1420	100		Worcester		
WCRW 1210	100		West Lafayette						WORC 1280	500 C	
WEDC 1210	100		WBAA 890	500					WTAG 580	500 R	
WENR 870	50000 N										
WGES 1360	500										
WGN 720	50000										
WJJD 1130	20000										
WLS 870	50000 N										
WMAO 670	50000 N										
WMBI 1080	5000										
WSBC 1210	100										
Cicero											
WEHS 1420	100										
WHFC 1420	100										
WKBI 1420	100										
Decatur											
WJBL 1200	100										
East Dubuque											
WKBB 1500	100										
East St. Louis											
WTMV 1500	100										
Harrisburg											
WEBQ 1210	100										
Joliet											
WCLS 1310	100										
Peoria											
WMBD 1440	500 C										
Quincy											
WTAD 900	500										
Rockford											
WROK 1410	500										
Rock Island											
WHBF 1210	100										
Springfield											
WCBS 1420	100										
WTAX 1210	100										
Tuscola											
WDZ 1020	250										
Urbana											
WILL 580	250										
Waukegan											
WCBD 1080	5000										

NORTH AMERICAN B. C. STATIONS BY LOCATIONS

MISSISSIPPI			Norfolk			WLTH 1400 500			High Point		
Clarksdale			WJAG 1060	1000		WMBO 1500	100		WMFR 1200	100	
WMEN 1210	100		North Platte			WVFW 1400	500		Kinston		
Gulfport			KGNF 1430	1000		Buffalo			.....	1200	100
WGCM 1210	100		Omaha			WBN 900	1000 R		Raleigh		
Hattiesburg			KOIL 1260	1000		WBNY 1370	100		WVPTF 680	1000 N	
WFOR 1370	100		WAAW 660	500		WBBR 1310	100 B		Rocky Mount		
Jackson			WOW 590	5000 R		WGR 550	1000 C		WEED 1420	100	
WJDJ 1270	1000 N		Scottsbluff			WKBW 1480	5000 C		Wilmington		
Kosciusko			KGKY 1500	100		WSVS 1370	50		WMFD 1370	100	
WHEF 1500	100		NEVADA			Canton			Winston-Salem		
Laurel			Reno			WCAD 1220	500		WSJS 1310	100 C	
WAML 1310	100		KOH 1380	500 C		Elmira			.....	1250	250
Meridian			NEW HAMPSHIRE			WESG 850	1000 C		NORTH DAKOTA		
WCOC 880	500		Laconia			Freeport			Bismarck		
Vicksburg			WLNH 1310	100		WGBB 1210	100		KFYR 550	1000 N	
WQBC 1360	1000		Manchester			Jamestown			Devils Lake		
MISSOURI			WFEA 1340	500 C		WOCL 1210	50		KDLR 1210	100	
Cape Girardeau			Portsmouth			Long Island City			Fargo		
KFVS 1210	100		WHEB 740	250		W2XR 1550	1000		WDAY 940	1000 N	
Columbia			NEW JERSEY			Newburgh			Grand Forks		
KFRU 630	500		Asbury Park			WGNV 1210	100		KFJM 1370	100	
Jefferson City			WCAP 1280	500		New York			Mandan		
WOS 630	500		Atlantic City			WVAB 860	50000 C		KCCU 1240	250	
.....	1310	100	Camden			WVBNX 1350	10000		Minot		
Joplin			WPGM 1100	5000 C		WVBOQ 860	50000		KLPM 1240	250	
WMBH 1420	100		Jersey City			WVEAF 660	50000 R		Valley City		
Kansas City			WCAJ 1280	500		WEVD 1300	1000		KOVG 1500	100	
KCMO 1370	100		WAAT 940	500		WEAB 1300	1000		OHIO		
KMBC 950	1000 C		WHOM 1450	250		WHN 1010	1000		Akron		
WDAF 610	1000 R		Newark			WINS 1180	1000		WADC 1320	1000 C	
WHB 860	1000		WHBI 1250	1000		WJZ 760	50000 B		WJW 1210	100	
W9XBY 1530	1000		WNEW 1250	1000		WLWL 1100	5000		Canton		
St. Joseph			WOR 710	50000		WMCA 570	500		WBBC 1200	100	
KFEQ 680	2500		Red Bank			WNYC 810	1800		Cincinnati		
St. Louis			WBRB 1210	100		WOV 1130	1000		WCPO 1200	100	
KFUO 550	500		Trenton			Olean			WKRC 550	1000 C	
KMOX 1090	50000 C		WTNJ 1280	500		WHDL 1420	100		WLW 700	500000 N	
KSD 550	1000 R		Zarephath			Plattsburg			WSAI 1330	1000 N	
KWK 1350	1000 B		WAWZ 1350	500		WMFF 1310	250		Cleveland		
WEW 760	1000		NEW MEXICO			Rochester			WGAR 1450	500 B	
WIL 1200	100		Albuquerque			WHAM 1150	50000 B		WVHK 1390	1000 C	
.....	1250	1000	KGCM 1230	250		WHEC 1430	500 C		WJAY 610	500	
Springfield			KOB 1180	10000		WSA 1210	100		WTAM 1070	50000 R	
KGBX 1230	500		Carlsbad			Saranac Lake			Columbus		
KWTO 560	5000		KLAH 1210	100		WNBZ 1290	100		WBNS 1430	500 C	
MONTANA			Clovis			Schenectady			WCOL 1210	100 N	
Billings			KICA 1370	100		WGY 790	50000 R		WHKC 640	500	
KGHL 780	1000 N		Roswell			Syracuse			WOSU 570	750	
Butte			KGFL 1370	100		WFB 1360	1000 C		Dayton		
KGIR 1340	1000 N		Santa Fe			WSYR 570	1000 B		WHIO 1260	1000 C	
Great Falls			KIUJ 1310	100		Troy			WSMK 1380	200 C	
KFBB 1280	1000 C		NEW YORK			WHAZ 1300	500		Lima		
Kalispell			Albany			Utica			WBLV 1210	100	
KGEZ 1310	100		WABY 1370	100 B		WIBX 1200	100 C		Portsmouth		
Lewistown			WOKO 1430	500 C		Watertown			WPAV 1370	100	
KDNC 1200	250		Auburn			.....	1420	100	Toledo		
Missoula			WMB0 1310	100		White Plains			WSPD 1340	1000 C	
KGVO 1260	1000 C		Binghamton			WFAS 1210	100		Youngstown		
Wolf Point			WNB 1500	100 C		Woodside			WKBN 570	500 C	
KGCX 1310	100		Brooklyn			WWRL 1500	100		Zanesville		
NEBRASKA			WARD 1400	500		NORTH CAROLINA			WALR 1210	100	
Clay Center			WBBC 1400	500		Asheville			OKLAHOMA		
KMMJ 740	1000		WBRR 1300	1000		WWNC 570	1000 N		Ada		
Kearney			WCNW 1500	100		Charlotte			KADA 1200	100	
KGFW 1310	100		WEGL 1400	500		WBT 1080	50000 C		Ardmore		
Lincoln			NEBRASKA			WSOC 1210	100 N		KVSO 1200	100	
KFAB 770	10000 C		Albany			Durham			Elk City		
KFOR 1210	100 C		WABY 1370	100 B		WDNC 1500	100 C		KASA 1210	100	

NORTH AMERICAN B. C. STATIONS BY LOCATIONS

Enid KCRD 1360 250 Muskogee KBIX 1500 100 Norman WNAD 1010 1000 Oklahoma KFXR 1310 150 KGGG 1370 100 KOMA 1480 5000 C WKY 900 1000 N Ponca City WBBZ 1200 100 Shawnee KGFF 1420 100 Tulsa KTUL 1400 500 C KVOO 1140 25000 N	Philadelphia KYW 1020 10000 R WCAU 1170 50000 C WDAS 1370 100 WFL 560 1000 B WHAT 1310 100 WIP 610 1000 WPEN 920 250 WRAX 920 250 WTEL 1310 100 Pittsburgh KDKA 980 50000 B KQV 1380 500 C WCAE 1220 1000 R WJAS 1290 1000 C WWSW 1500 100 Reading WEEU 830 1000 WRAW 1310 100 Scranton WGBI 880 500 WQAN 880 250 Sunbury WKOK 1210 100 Wilkes-Barre WBAX 1210 100 WBRE 1310 100 Williamsport WRAK 1370 100 York WORK 1320 1000	Huron KGDY 1340 250 Pierre KGFX 630 200 Rapid City KOBH 1370 100 WCAT 1200 100 Sioux Falls KSOO 1110 2500 1200 100 Vermillion KUSD 890 500 Watertown KWTN 1210 100 Yankton WNAX 570 1000 C	Houston KPRC 920 1000 N KTRH 1290 1000 C KXYZ 1440 1000 Kilgore KOCA 1210 100 Longview KFRO 1370 100 Lubbock KFYO 1310 100 Midland KRLH 1420 100 Palestine KNET 1420 100 Pampa KPDN 1310 100 Paris KPLT 1500 100 Pecos KIUN 1420 100 Port Arthur KPAC 1260 500 San Angelo KGKL 1370 100 San Antonio KABC 1420 100 KMAC 1370 100 KONO 1370 100 KTSA 550 1000 C WQAI 1190 50000 N Sherman KRRV 1310 100 Temple KTEM 1370 100 Tyler KGKB 1500 100 Waco WACO 1420 100 C Weslaco KRGV 1260 500 Wichita Falls KGKO 570 250 C		
OREGON Astoria KAST 1370 100 Corvallis KOAC 550 1000 Eugene KORE 1420 100 Klamath Falls KFJI 1210 100 Marshfield KOOS 1200 250 Medford KMED 1310 100 Portland KALE 1300 500 C KBPS 1420 100 KEX 1180 5000 N KFJR 1300 500 KGW 620 1000 R KOIN 940 1000 C KWJJ 1040 500 KXL 1420 100 Roseburg KRRR 1500 100 Salmon KSLM 1370 100	PUERTO RICO Mayaguez WPRA 1370 100 Ponce WPRP 1420 100 San Juan WKAQ 1240 1000 WNEI 1290 1000	TENNESSEE Bristol WOPI 1500 100 Chattanooga WAPO 1420 100 WDOD 1280 1000 C Jackson WTJS 1310 100 Knoxville WNOX 1010 1000 C WROL 1310 100 Memphis WHBO 1370 100 WMC 780 1000 N WNBR 1430 500 WREC 600 1000 C Nashville WLAC 1470 5000 C WSM 650 50000 N Springfield WSIX 1210 100	TEXAS Abilene KRBC 1420 100 Amarillo KGNC 1410 1000 Austin KNOW 1500 100 C Beaumont KFDM 560 500 Big Spring KBST 1500 100 Brady KNEL 1500 100 College Station WTAW 1120 500 Corpus Christi KGFI 1500 100 Corsicana 1310 100 Dallas KRLD 1040 10000 C WFAA 800 50000 N WRR 1280 500 Dublin KFPL 1310 100 El Paso KTEP 1500 100 KTSM 1310 100 WDAH 1310 100 Fort Worth KFJZ 1370 100 KTAT 1240 1000 WBAP 800 50000 N Galveston KLUF 1370 100	UTAH Cedar City 1310 100 Ogden KLO 1400 500 B Price KEUB 1420 100 Salt Lake City KDYL 1290 1000 R KSL 1130 50000 C KUTA 1500 100	
PENNSYLVANIA Allentown WVCB 1440 500 WSAN 1440 500 Altoona WFBG 1310 100 Easton WEST 1200 100 Erie WLEU 1420 100 Glenside WIBG 970 100 Greensburg WHJB 620 250 C Grove City WSAJ 1310 100 Harrisburg WHP 1430 500 C WBKO 1200 100 Hazleton WAZL 1420 100 Johnstown WJAC 1310 100 Lancaster WGAL 1500 100	RHODE ISLAND Newport WNRI 1200 100 Providence WEAN 780 500 C WJAR 890 1000 R WPRO 630 500	SOUTH CAROLINA Anderson WAIM 1200 100 Charleston WCSC 1360 500 N Columbia WIS 560 1000 N Greenville WFBC 1300 1000 N Spartanburg WSPA 920 1000	SOUTH DAKOTA Aberdeen KABR 1420 100 Brookings KFDY 780 1000	VERMONT Burlington WCAX 1200 100 Rutland WSYB 1500 100 St. Albans WQDM 1370 100 Springfield WNBX 1260 1000 Waterbury WDEV 550 500	VIRGINIA Arlington NAA 690 1000 Charlottesville WCHV 1420 100

NORTH AMERICAN B. C. STATIONS BY LOCATIONS

Danville WBTV 1370 100 Harrisonburg WSVA 550 500 Lynchburg WLVA 1200 100 Newport News WGH 1310 100 Norfolk WTAR 780 500 N Petersburg WPHR 880 500 Richmond WBBL 1210 100 WMBG 1210 100 C WRVA 1110 5000 N Roanoke WDBJ 930 1000 C	WISCONSIN Eau Claire WEAU 1050 250 Fond du Lac KFIZ 1420 100 Green Bay WBTV 1200 100 WTAQ 1330 1000 Janesville WCLO 1200 100 LaCrosse WKBH 1380 1000 Madison WHA 940 5000 WIBA 1280 1000 N Manitowoc WOMT 1210 100 Milwaukee WEMP 1310 100 WISN 1120 250 C WTMJ 620 1000 N Poyntette WIBU 1210 100 Racine WRJN 1370 100 Sheboygan WHBL 1300 250 Stevens Point WLBL 900 2500 Wausau 1370 100	MANITOBA Brandon CKX 1120 100 F Winnipeg CJRC 630 1000 F CKY 910 1500 F NEW BRUNSWICK Fredericton CFNB 550 500 F Moncton CKCW 1370 100 F St. John CHSJ 1120 500 F N. W. TERRITORY Aklavik CJCU 1210 50 NOVA SCOTIA Glace Bay VAS 685 2000 Halifax CHNS 930 1000 F Sydney CJCB 1240 1000 F Wolfville CKIK 1010 50 Yarmouth CJLS 1310 100	Toronto CFRB 690 10000 C CKCL 580 100 F CRCT 840 5000 N Waterloo CKCR 1510 100 Windsor CKLW 1030 5000 CRWC 600 500 F Wingham CKNX 1200 50 PRINCE EDWARD ISLAND Charlottetown CFCY 630 1000 F CHCK 1310 50 Summerside CHGS 1450 50 F QUEBEC Chicoutimi CRCS 950 100 F Hull CKCH 1210 100 F Montmagny VE9EK 1185 10 Montreal CFCE 600 400 N CHLP 1120 100 F CKAC 730 5000 C CRCM 910 5000 F New Carlisle CHNC 960 1000 F Quebec CHRC 580 100 CKCV 1310 100 F CRCK 1050 1000 F SASKATCHEWAN Moose Jaw CHAB 1200 100 F CJRM 540 1000 F Prince Albert CKBI 1210 100 F Regina CKCK 1010 500 F Saskatoon CFQC 840 1000 F Yorkton CJGX 1390 100 NEWFOUNDLAND St. John's VOAC 1065 40 VOAS 940 100 VOGY 840 400 VONF 1195 500 VOWR 681 500 MIQUELON St. Pierre FQN 609 250
WASHINGTON Aberdeen KXRO 1310 100 Bellingham KVOS 1200 100 Everett KRKO 1370 50 Olympia KGY 1210 100 Pullman KWSC 1220 1000 Seattle KIRO 710 1000 KJR 970 5000 B KOL 1270 1000 C KOMO 920 1000 R KRSC 1120 100 KTW 1220 1000 KVL 1370 100 KXA 760 250 Spokane KFIO 1120 100 KFPY 890 1000 C KGA 1470 5000 B KHQ 590 1000 R Tacoma KMO 1330 250 KVI 570 1000 C Walla Walla KUJ 1370 100 Wenatchee KPQ 1500 100 Yakima KIT 1310 100 WEST VIRGINIA Bluefield WHIS 1410 500 Charleston WCHS 580 500 Clarksburg WBLK 1370 100 Fairmont WMMN 890 500 C Huntington WSAZ 1190 1000 Parkersburg WPAR 1420 100 Wheeling WVWA 1160 5000 C	WYOMING Casper KDFN 1440 500 Sheridan KWYO 1370 100 CANADA ALBERTA Calgary CFAC 930 100 F CFCN 1030 10000 CJGJ 690 100 F Edmonton CFRN 960 100 F CJCA 730 1000 F CKUA 580 500 Lethbridge CJOC 950 100 F BRITISH COLUMBIA Chilliwack CHWK 780 100 F Kamloops CFJC 880 100 F Kelowna CKOV 630 100 F Prince Rupert CFPR 580 50 Trail CJAT 910 1000 F Vancouver CJOR 600 500 CKCD 1010 100 CKFC 1410 50 CKMO 1410 100 F CKWX 1010 100 F CRCV 1100 1000 F Victoria CFCT 1450 75	ONTARIO Brantford CKPC 930 100 F Chatham CFCO 630 100 F Cobalt CKMC 1210 50 Fort William CKPR 730 100 F Hamilton CHML 1010 100 F CKOC 1120 500 F Kingston CFRC 1510 100 F Kirkland Lake CJKL 1310 100 F London CFPL 730 100 F North Bay CFGH 930 100 F Ottawa CKGO 1010 100 F CRCO 880 1000 F Prescott CFLC 930 100 St. Catharines CKTB 1200 100 F Sault Ste. Marie CJIC 1500 100 Stratford CJCS 1210 50 Sudbury CKSO 780 1000 F Timmins CKGB 1420 100 F	St. John's VOAC 1065 40 VOAS 940 100 VOGY 840 400 VONF 1195 500 VOWR 681 500 MIQUELON St. Pierre FQN 609 250

NORTH AMERICAN B. C. STATIONS BY LOCATIONS

CENTRAL AMERICA			Saltillo		
			XEAS	1160	100
			XELA	1240	50
			XEOX	640	500
COSTA RICA			Torreón		
			XETB	1310	125
Cartago			Villa Acuña		
TIFS	1441	7.5	XERA	840	350000
TIGA	1014	30	D. F.		
San José			Mexico City		
TIEP	850	500	XEAI	1240	100
TIFA	1050	75	XEB	1030	10000
TIGH	1000	500	XEBZ	820	100
TIGPH	650	1000	XECW	1310	10
TIRH	930	50	XEFA	1180	500
TIVCA	1225	.....	XEFO	940	5000
TIX	800	.....	XEFZ	1370	100
GUATEMALA			XEK	990	100
Guatemala City			XEL	1100	250
TGW	1210	10000	XEMX	1280	12
TGX	1400	250	XEN	710	1000
HONDURAS			XEW	890	50000
Tegucigalpa			XEWZ	1150	100
HRN	1340	100	XEXM	610	.....
NICARAGUA			XEYZ	780	10000
Managua			XFX	610	1000
YNLF	1275	20	DURANGO		
YNOP	1230	100	Durango		
YNVA	950	30	XEE	1210	50
PANAMA			GUANAJUATO		
Colon			Guanajuato		
HP50	1440	25	XEAZ	1420	7
EL SALVADOR			Leon		
San Salvador			XEKL	1240	500
RDN	680	500	JALISCO		
MEXICO			Guadalajara		
AQUASCALIENTES			XEA	1060	500
Agua Calientes			XED	1160	2500
XFA	1310	5	LOWER CALIFORNIA		
XFC	810	350	Agua Caliente		
CHIHUAHUA			XEB	730	5000
Chihuahua			Coronado Island		
XEFI	1440	250	XEMZ	820	.....
Hidalgo			Ensenada		
XEAT	1210	300	XEG	1270	200
Juarez			Mexicali		
XEFV	1210	100	XEAA	920	200
XEF	1450	100	XEAO	560	250
XEJ	1020	1000	Rosario		
XEP	1160	500	XEAQ	1090	1000
COAHUILA			Tijuana		
Piedras Negras			XEAC	1240	250
XELO	1110	10000	XEC	1160	30
XEPN	730	100000	XEFL	1150	250
			XEMO	860	5000
			XEOK	760	250
			MICHOACAN		
			Morelia		
			XEI	1370	125
			NUEVO LEON		
			Monterrey		
			XEFB	1420	100
			XEFJ	1230	100
			XEH	1150	250
			XET	690	500
			XEX	1310	125
			PUEBLA		
			Puebla		
			XETH	1210	100
			SAN LUIS POTOSI		
			San Luis Potosi		
			XEZZ	1370	100
			SONORA		
			Hermosillo		
			XEBH	930	500
			Nogales		
			XEAF	990	500
			TAMAULIPAS		
			Matamoros		
			XEAM	750	7.5
			Nuevo Laredo		
			XEBK	1000	100
			XEFE	1340	250
			XENT	910	150000
			Reynosa		
			XEAW	960	50000
			Tampico		
			XEFW	1310	250
			XES	990	250
			VERACRUZ		
			Cordoba		
			XEAG	1310	10
			Jalapa		
			XFB	1270	250
			XFD	1340	350
			Veracruz		
			XETF	1220	30
			XEU	1010	250
			YUCATAN		
			Merida		
			XEFC	550	250
			XEME	1240	15
			XEY	1000	10
			XEZ	630	500
			WEST INDIES		
			CUBA		
			Calbarien		
			CMHD	1270	250
			Camaguey		
			CMJA	1010	300
			CMJC	1390	150
			CMJE	1220	50
			CMJF	1150	200
			CMJK	780	250
			CMJL	1340	100
			CMJP	1430	75
			CMJX	830	500
			Cardenas		
			CMGE	1370	150
			Ciego de Avila		
			CMJH	1360	100
			CMJI	1130	150
			CMJO	1180	50
			Cienfuegos		
			CMHJ	1160	175
			CMHW	820	100
			CMHX	760	200
			Cruces		
			CMHK	1330	250
			Havana		
			CMBC	640	150
			CMBD	1170	500
			CMBG	1140	200
			CMBN	850	150
			CMBS	770	150
			CMBX	1070	500
			CMBY	970	150
			CMCZ	1000	500
			CMCA	1350	250
			CMCB	1230	150
			CMCD	950	250
			CMCF	810	600
			CMCG	680	1000
			CMCH	1110	500
			CMCI	1200	250
			CMCO	1410	250
			CMCR	1380	150
			CMCU	1280	500
			CMCW	750	150
			CMCX	1500	150
			CMCY	1030	5000
			CMK	730	3000
			CMOA	1440	150
			CMOK	1470	150
			CMOX	1320	200
			CMQ	880	500
			CMW	600	1400
			CMX	920	1000
			Holguin		
			CMKF	1460	250
			Manzanillo		
			CMKM	1120	200
			Matanzas		
			CMGC	1400	150
			CMGF	1120	150
			CMGH	790	250
			Pinar del Rio		
			CMAB	1340	.....
			Sagua la Grande		
			CMHA	1070	50
			Sancti Spiritus		
			CMHB	1240	50
			Santa Clara		
			CMHI	1210	150
			Santiago		
			CMKC	1250	150
			CMKO	1050	250
			CMKR	1400	100
			CMKW	1330	.....
			DOMINICAN REPUBLIC		
			San Pedro de Macoris		
			HII	1395	15
			Trujillo		
			HII	1195	15
			HIX	800	700
			HIZ	1370	10
			HAITI		
			Port-au-Prince		
			HHK	920	1000

NORTH AMERICAN B. C. STATIONS BY CALLS

CFAC 930 100	CJIC 1500 100	CMAB 1340
Calgary, Alta.	S. Ste. Marie, Ont.	Pinar del Rio, Cuba
CFCF 600 400	CJKL 1310 100	CMBC 640 150
Montreal, Que.	Kirkland Lake, Ont.	Havana, Cuba
CFCH 930 100	CJLS 1310 100	CMBD 1170 500
North Bay, Ont.	Yarmouth, N. S.	Havana, Cuba
CFCN 1030 10000	CJOC 950 100	CMBG 1140 200
Calgary, Alta.	Lethbridge, Alta.	Havana, Cuba
CFCO 630 100	CJOR 600 500	CMEN 850 150
Chatham, Ont.	Vancouver, B. C.	Havana, Cuba
CFCT 1450 75	CJRC 630 1000	CMBS 770 150
Victoria, B. C.	Winnipeg, Man.	Havana, Cuba
CFCY 630 1000	CJRM 540 1000	CMEX 1070 500
Charlottetown, P.E.I.	Moose Jaw, Sask.	Havana, Cuba
CFJC 880 100	CKAC 730 5000	CMFY 970 150
Kamloops, B. C.	Montreal, Que.	Havana, Cuba
CFLC 930 100	CKBI 1210 100	CMBZ 1000 500
Prescott, Ont.	Prince Albert, Sask.	Havana, Cuba
CFNB 550 500	CKCD 1010 100	CMCA 1350 250
Fredericton, N. B.	Vancouver, B. C.	Havana, Cuba
CFPL 730 100	CKCH 1210 100	CMCB 1230 150
London, Ont.	Hull, Que.	Havana, Cuba
CFPR 580 50	CKCK 1010 500	CMCD 950 250
Prince Rupert, B. C.	Regina, Sask.	Havana, Cuba
CFQC 840 1000	CKCL 580 100	CMCF 810 600
Saskatoon, Sask.	Toronto, Ont.	Havana, Cuba
CFRB 690 10000	CKCO 1010 100	CMCG 680 1000
Toronto, Ont.	Ottawa, Ont.	Havana, Cuba
CFRC 1510 100	CKCR 1510 100	CMCJ 1110 500
Kingston, Ont.	Waterloo, Ont.	Havana, Cuba
CFRN 960 100	CKCV 1310 100	CMCO 1200 250
Edmonton, Alta.	Quebec, Que.	Havana, Cuba
CHAB 1200 100	CKCW 1370 100	CMCQ 1410 250
Moose Jaw, Sask.	Moncton, N. B.	Havana, Cuba
CHCK 1310 50	CKFC 1410 50	CMCR 1380 150
Charlottetown, P. E. I.	Vancouver, B. C.	Havana, Cuba
CHGS 1450 50	CKGB 1420 100	CMCU 1280 500
Summerside, P. E. I.	Timmins, Ont.	Havana, Cuba
CHLP 1120 100	CKIC 1010 50	CMCW 750 150
Montreal, Que.	Wolfville, N. S.	Havana, Cuba
CHML 1010 100	CKLW 1030 5000	CMCX 1500 150
Hamilton, Ont.	Windsor, Ont.	Havana, Cuba
CHNC 960 1000	CKMC 1210 50	CMCY 1030 5000
New Carlisle, Que.	Cobalt, Ont.	Havana, Cuba
CHNS 930 1000	CKMO 1410 100	CMGC 1400 150
Halifax, N. S.	Vancouver, B. C.	Matanzas, Cuba
CHRC 580 100	CKNX 1200 50	CMGE 1370 150
Quebec, Que.	Wingham, Ont.	Cardenas, Cuba
CHSJ 1120 500	CKOC 1120 500	CMGF 1120 150
St. John, N. B.	Hamilton, Ont.	Matanzas, Cuba
CHWK 780 100	CKOV 630 100	CMGH 790 250
Chilliwack, B. C.	Kelowna, B. C.	Matanzas, Cuba
CJAT 910 1000	CKPC 930 100	CMHA 1070 50
Trail, B. C.	Brantford, Ont.	Sagua la Grande, Cu.
CJCA 730 1000	CKPR 730 100	CMHB 1240 50
Edmonton, Alta.	Port William, Ont.	Sancti Spiritus, Cuba
CJCB 1240 1000	CKSO 780 1000	CMHD 1270 250
Sydney, N. S.	Sudbury, Ont.	Caibarien, Cuba
CJCJ 690 100	CKTB 1200 100	CMHI 1210 150
Calgary, Alta.	St. Catharines, Ont.	Santa Clara, Cuba
CJCS 1210 50	CKUA 580 500	CMHJ 1160 175
Stratford, Ont.	Edmonton, Alta.	Cienfuegos, Cuba
CJCU 1210 50	CKWX 1010 100	CMHK 1330 250
Aklavik, N. W. T.	Vancouver, B. C.	Cruces, Cuba
CJGX 1390 100	CKX 1120 100	CMHW 820 100
Yorkton, Sask.	Brandon, Man.	Cienfuegos, Cuba
	CKY 910 15000	CMHX 760 200
	Winnipeg, Man.	Cienfuegos, Cuba

NORTH AMERICAN B. C. STATIONS BY CALLS

CMJA 1010	300	HIH 1395	15	KEUB 1420	100
Camaguey, Cuba		San Pedro de M., D. R.		Price, Utah	
CMJC 1390	150	HIJ 1195	15	KEX 1180	5000
Camaguey, Cuba		Trujillo, D. R.		Portland, Ore.	
CMJE 1220	50	HIX 800	700	KFAB 770	10000
Camaguey, Cuba		Trujillo, D. R.		Lincoln, Neb.	
CMJF 1150	200	HIZ 1370	10	KFAC 1300	1000
Camaguey, Cuba		Trujillo, D. R.		Los Angeles, Calif.	
CMJH 1360	100	HP50 1440	25	KFB 1280	1000
Ciego de Avila, Cuba		Colon, Panama		Great Falls, Mont.	
CMJI 1130	150	HRN 1340	100	KFBI 1050	5000
Ciego de Avila, Cuba		Tegucigalpa, Hond.		Ablene, Kans.	
CMJK 780	250	KABC 1420	100	KFBK 1490	5000
Camaguey, Cuba		San Antonio, Texas		Sacramento, Calif.	
CMJL 1340	100	KABR 1420	100	KFDM 560	500
Camaguey, Cuba		Aberdeen, S. Dak.		Beaumont, Texas	
CMJO 1180	50	KADA 1200	100	KFDY 780	1000
Ciego de Avila, Cuba		Ada, Okla.		Brookings, S. D.	
CMJP 1430	75	KALB 1420	100	KFEL 920	500
Camaguey, Cuba		Alexandria, La.		Denver, Colo.	
CMJX 830	500	KALE 1300	500	KFEQ 680	2500
Camaguey, Cuba		Portland, Ore.		St. Joseph, Mo.	
CMK 730	3000	KANS 1210	100	KFGQ 1370	100
Havana, Cuba		Wichita, Kans.		Boone, Iowa	
CMKC 1250	150	KARK 890	250	KFH 1300	1000
Santiago, Cuba		Little Rock, Ark.		Wichita, Kans.	
CMKD 1050	250	KASA 1210	100	KFI 640	50000
Santiago, Cuba		Elk City, Okla.		Los Angeles, Calif.	
CMKF 1460	250	KAST 1370	100	KFIO 1120	100
Holguin, Cuba		Astoria, Ore.		Spokane, Wash.	
CMKM 1120	200	KBIX 1500	100	KFIZ 1420	100
Manzanillo, Cuba		Muskogee, Okla.		Fond du Lac, Wis.	
CMKR 1400	100	KBPS 1420	100	KFJB 1200	100
Santiago, Cuba		Portland, Ore.		Marshalltown, Iowa	
CMKW 1330	....	KBST 1500	100	KFJI 1210	100
Santiago, Cuba		Big Spring, Texas		Klamath Falls, Ore.	
CMOA 1440	150	KBTM 1200	100	KFJM 1370	100
Havana, Cuba		Jonesboro, Ark.		Grand Forks, N. D.	
CMOK 1470	150	KCMC 1420	100	KFJR 1300	500
Havana, Cuba		Texarkana, Ark.		Portland, Ore.	
CMOX 1320	200	KCMO 1370	100	KFJZ 1370	100
Havana, Cuba		Kansas City, Mo.		Fort Worth, Texas	
CMQ 880	500	KCRC 1360	250	KFKA 880	500
Havana, Cuba		Enid, Okla.		Greeley, Colo.	
CMW 600	1400	KCRJ 1310	100	KFKU 1220	1000
Havana, Cuba		Jerome, Ariz.		Lawrence, Kans.	
CMX 920	1000	KDB 1500	100	KFN 890	500
Havana, Cuba		Santa Barbara, Calif.		Shenandoah, Iowa	
CRCK 1050	1000	KDFN 1440	500	KFOR 1210	100
Quebec, Que.		Casper, Wyo.		Lincoln, Neb.	
CRCM 910	5000	KDKA 980	50000	KFOX 1250	1000
Montreal, Que.		Pittsburgh, Pa.		Long Beach, Calif.	
CRCO 880	1000	KDLR 1210	100	KFPL 1310	100
Ottawa, Ont.		Devils Lake, N. D.		Dublin, Texas	
CRCS 950	100	KDNC 1200	250	KFPW 1210	100
Chicoutimi, Que.		Lewistown, Mont.		Fort Smith, Ark.	
CRCT 840	5000	KDON 1210	100	KFPY 890	1000
Toronto, Ont.		Del Monte, Calif.		Spokane, Wash.	
CRCV 1100	1000	KDYL 1290	1000	KFQD 780	250
Vancouver, B. C.		Salt Lake City, Utah		Anchorage, Alaska	
CRCW 600	500	KECA 1430	1000	KFR 610	1000
Windsor, Ont.		Los Angeles, Calif.		San Francisco, Calif.	
FQN 609	250	KEHE 780	500	KFRO 1370	100
St. Pierre, Miq.		Los Angeles, Calif.		Longview, Texas	
HHK 920	1000	KELD 1370	100	KFRU 630	500
Port-au-Prince, Haiti		El Dorado, Ark.		Columbia, Mo.	
		KERN 1370	100	KFSD 600	1000
		Bakersfield, Calif.		San Diego, Calif.	

NORTH AMERICAN B. C. STATIONS BY CALLS

KFSD 1120 500	KGGF 1010 1000	KIUJ 1310 100
Los Angeles, Calif.	Coffeyville, Kans.	Santa Fe, N. Mex.
KFUO 550 500	KGGM 1230 250	KIUL 1210 100
St. Louis, Mo.	Albuquerque, N. M.	Garden City, Kans.
KFVD 1000 250	KGHF 1320 500	KIUN 1420 100
Los Angeles, Calif.	Pueblo, Colo.	Pecos, Texas
KFVS 1210 100	KGHI 1200 100	KIUP 1370 100
Cape Girardeau, Mo.	Little Rock, Ark.	Durango, Colo.
KFWB 950 1000	KGHL 780 1000	KJBS 1070 500
Hollywood, Calif.	Billings, Mont.	San Francisco, Calif.
KFXD 1290 100	KGIR 1340 1000	KJR 970 5000
Nampa, Idaho	Butte, Mont.	Seattle, Wash.
KFXJ 1200 100	KGIW 1420 100	KLAH 1210 100
Grand Junction, Colo.	Alamosa, Colo.	Carlsbad, N. Mex.
KFXM 1210 100	KGKB 1500 100	KLCN 1290 100
San Bernardino, Calif.	Tyler, Texas	Blytheville, Ark.
KFXR 1310 100	KGKL 1370 100	KLO 1400 500
Oklahoma City, Okla.	San Angelo, Texas	Ogden, Utah
KFYO 1310 100	KGKO 570 250	KLPM 1240 250
Lubbock, Texas	Wichita Falls, Texas	Minot, N. D.
KFYR 550 1000	KGKY 1500 100	KLRA 1390 1000
Bismarck, N. D.	Scottsbluff, Neb.	Little Rock, Ark.
KGA 1470 5000	KGLO 1210 100	KLS 1440 250
Spokane, Wash.	Mason City, Iowa	Oakland, Calif.
KGAR 1370 100	KGMB 1320 1000	KLUF 1370 100
Tucson, Ariz.	Honolulu, T. H.	Galveston, Texas
KGB 1330 1000	KGNC 1410 1000	KLX 850 1000
San Diego, Calif.	Amarillo, Texas	Oakland, Calif.
KGBU 900 500	KGNF 1430 1000	KLZ 560 1000
Ketchikan, Alaska	North Platte, Neb.	Denver, Colo.
KGBX 1230 500	KGNO 1340 250	KMA 930 1000
Springfield, Mo.	Dodge City, Kans.	Shenandoah, Iowa
KGCA 1270 100	KGO 790 7500	KMAC 1370 100
Decorah, Iowa	San Francisco, Calif.	San Antonio, Texas
KGCU 1240 250	KGU 750 2500	KMBC 950 1000
Mandan, N. D.	Honolulu, T. H.	Kansas City, Mo.
KGCX 1310 100	KGVO 1260 1000	KMED 1310 100
Wolf Point, Mont.	Missoula, Mont.	Medford, Ore.
KGDE 1200 100	KGW 620 1000	KMJ 580 500
Fergus Falls, Minn.	Portland, Ore.	Fresno, Calif.
KGDM 1100 1000	KGY 1210 100	KMLB 1200 100
Stockton, Calif.	Olympia, Wash.	Monroe, La.
KGDY 1340 250	KHBC 1400 250	KMMJ 740 1000
Huron, S. D.	Hilo, T. H.	Clay Center, Neb.
KGEK 1200 100	KHJ 900 1000	KMO 1330 250
Sterling, Colo.	Los Angeles, Calif.	Tacoma, Wash.
KGER 1360 1000	KHQ 590 1000	KMOX 1050 50000
Long Beach, Calif.	Spokane, Wash.	St. Louis, Mo.
KGEZ 1310 100	KHSL 950 250	KMPC 710 500
Kallispell, Mont.	Chico, Calif.	Beverly Hills, Calif.
KGFF 1420 100	KHUB 1310 250	KMTR 570 1000
Shawnee, Okla.	Watsonville, Calif.	Hollywood, Calif.
KGFG 1370 100	KICA 1370 100	KNEL 1500 100
Oklahoma City, Okla.	Clovis, N. M.	Brady, Texas
KGFI 1500 100	KID 1320 500	KNET 1420 100
Corpus Christi, Texas	Idaho Falls, Idaho	Palestine, Texas
KGFJ 1200 100	KIDO 1350 1000	KNOW 1500 100
Los Angeles, Calif.	Boise, Idaho	Austin, Texas
KGFK 1500 100	KIDW 1420 100	KNX 1050 50000
Moorhead, Minn.	Lamar, Colo.	Hollywood, Calif.
KGFL 1370 100	KIEM 1450 500	KOA 830 50000
Roswell, N. M.	Eureka, Calif.	Denver, Colo.
KGFW 1310 100	KIEV 850 250	KOAC 550 1000
Kearney, Neb.	Glendale, Calif.	Corvallis, Ore.
KGFX 630 200	KINY 1310 100	KOB 1180 10000
Pierre, S. D.	Juneau, Alaska	Albuquerque, N. M.
KGCC 1420 100	KIRO 710 1000	KOBH 1370 100
San Francisco, Calif.	Seattle, Wash.	Rapid City, S. Dak.
	KIT 1310 100	KOCA 1210 100
	Yakima, Wash.	Kilgore, Texas
		KOH 1380 500
		Reno, Nev.

NORTH AMERICAN B. C. STATIONS BY CALLS

KOIL 1260 1000		KROY 1310 100		KVI 570 1000
Omaha, Nebr.		Sacramento, Calif.		Tacoma, Wash.
KOIN 940 1000		KRRV 1310 100		KVL 1370 100
Portland, Ore.		Sherman, Texas		Seattle, Wash.
KOL 1270 1000		KRSC 1120 100		KVOA 1260 500
Seattle, Wash.		Seattle, Wash.		Tucson, Ariz.
KOMA 1480 5000		KSAC 588 500		KVOD 920 500
Oklahoma City, Okla.		Manhattan, Kans.		Denver, Colo.
KOMO 920 1000		KSCJ 1330 1000		KVOE 1500 100
Seattle, Wash.		Sioux City, Iowa		Santa Ana, Calif.
KONO 1370 100		KSD 550 1000		KVOL 1310 100
San Antonio, Texas		St. Louis, Mo.		Lafayette, La.
KOOS 1200 250		KSEI 900 250		KVOO 1140 25000
Marshfield, Ore.		Pocatello, Idaho		Tulsa, Okla.
KORE 1420 100		KSFO 560 1000		KVOR 1270 1000
Eugene, Ore.		San Francisco, Calif.		Colorado Spgs., Colo.
KOTN 1500 100		KSL 1130 50000		KVOS 1200 100
Pine Bluffs, Ark.		Salt Lake City, Utah		Bellingham, Wash.
KOVC 1500 100		KSLM 1370 100		KVSO 1210 100
Valley City, N. Dak.		Salem, Ore.		Ardmore, Okla.
KOY 1390 500		KSO 1430 500		KWBG 1420 100
Phoenix, Ariz.		Des Moines, Iowa		Hutchinson, Kans.
KPAC 1260 500		KSOO 1110 2500		KWG 1200 100
Port Arthur, Texas		Sioux Falls, S. D.		Stockton, Calif.
KPDN 1310 100		KSTP 1460 25000		KWJJ 1040 500
Pampa, Texas		St. Paul, Minn.		Portland, Ore.
KPLC 1500 100		KSUN 1200 100		KWK 1350 1000
Lake Charles, La.		Lowell, Ariz.		St. Louis, Mo.
KPLT 1500 100		KTAR 620 1000		KWKH 1100 10000
Paris, Texas		Phoenix, Ariz.		Shreveport, La.
KPO 680 50000		KTAT 1240 1000		KWLC 1270 100
San Francisco, Calif.		Fort Worth, Texas		Decorah, Iowa
KPOF 880 500		KTBS 1450 1000		KWSC 1220 1000
Denver, Colo.		Shreveport, La.		Pullman, Wash.
KPPC 1210 100		KTEM 1370 100		KWTN 1210 100
Pasadena, Calif.		Temple, Texas		Watertown, S. D.
KPQ 1500 100		KTEP 1500 100		KWTO 560 5000
Wenatchee, Wash.		El Paso, Texas		Springfield, Mo.
KPRC 920 1000		KTFI 1240 1000		KWYO 1370 100
Houston, Texas		Twin Falls, Idaho		Sheridan, Wyo.
KQV 1380 500		KTHS 1060 10000		KXA 760 250
Pittsburgh, Pa.		Hot Springs, Ark.		Seattle, Wash.
KQW 1010 1000		KTRB 740 250		KXL 1420 100
San Jose, Calif.		Modesto, Calif.		Portland, Ore.
KRBC 1420 100		KTRH 1290 1000		KXO 1500 100
Abilene, Texas		Houston, Texas		El Centro, Calif.
KRE 1370 100		KTSA 550 1000		KXRO 1310 100
Berkeley, Calif.		San Antonio, Texas		Aberdeen, Wash.
KRGV 1260 500		KTSM 1310 100		KXYZ 1440 1000
Weslaco, Texas		El Paso, Texas		Houston, Texas
KRKD 1120 500		KTUL 1400 500		KYA 1230 1000
Los Angeles, Calif.		Tulsa, Okla.		San Francisco, Calif.
KRKO 1370 50		KTW 1220 1000		KYOS 1040 250
Everett, Wash.		Seattle, Wash.		Merced, Calif.
KRLC 1420 100		KUJ 1370 100		KYW 1020 10000
Lewiston, Idaho		Walla Walla, Wash.		Philadelphia, Pa.
KRLD 1040 10000		KUMA 1420 100		NAA 690 1000
Dallas, Texas		Yuma, Ariz.		Arlington, Va.
KRLH 1420 100		KUOA 1260 1000		RDN 680 500
Midland, Texas		Siloam Springs, Ark.		San Salvador, E. S.
KRMD 1310 100		KUSD 890 500		TGW 1210 10000
Shreveport, La.		Vermillion, S. D.		Guatemala, Gua.
KRRR 1500 100		KUTA 1500 100		TGX 1400 250
Roseburg, Ore.		Salt Lake City, Utah		Guatemala City
KRNT 1320 500		KVCV 1200 100		TIEP 850 500
Des Moines, Iowa		Redding, Calif.		San Jose, C. R.
KROC 1310 100		KVEC 1200 250		
Rochester, Minn.		San Luis Obispo, Calif.		
KROW 930 1000				
Oakland, Calif.				

NORTH AMERICAN B. C. STATIONS BY CALLS

TIFA 1850	75	WATL 1370	100	WCAD 1220	500
San Jose, C. R.		Atlanta, Ga.		Canton, N. Y.	
TIFS 1441	7.5	WATR 1190	100	WCAE 1220	1000
Cartago, C. R.		Waterbury, Conn.		Pittsburgh, Pa.	
TIGA 1814	30	WAVE 940	1000	WCAL 1250	1000
Cartago, C. R.		Louisville, Ky.		Northfield, Minn.	
TIGH 1000	500	WAWZ 1350	500	WCAM 1280	500
San Jose, C. R.		Zarephath, N. J.		Camden, N. J.	
TIGPH 650	1000	WAYX 1200	100	WCAO 600	500
San Jose, C. R.		Waycross, Ga.		Baltimore, Md.	
TIRH 930	50	WAZL 1420	100	WCAP 1280	500
San Jose, C. R.		Hazleton, Pa.		Asbury Park, N. J.	
TIVCA 1225	....	WBBA 890	500	WCAT 1200	100
San Jose, C. R.		West Lafayette, Ind.		Rapid City, S. D.	
TIX 800	....	WBAL 760	2500	WCAU 1170	50000
San Jose, C. R.		Baltimore, Md.		Philadelphia, Pa.	
VAS 685	2000	WBAL 1060	10000	WCAX 1200	100
Glance Bay, N. S.		Baltimore, Md.		Burlington, Vt.	
VESEK 1185	10	WBAP 800	50000	WCAZ 1070	100
Montmagny, Que.		Fort Worth, Texas		Carthage, Ill.	
VOAC 1065	40	WBAX 1210	100	WCSA 1440	500
St. John's, Nfld.		Wilkes-Barre, Pa.		Allentown, Pa.	
VOAS 940	100	WBBC 1400	500	WCBD 1080	5000
St. John's, Nfld.		Brooklyn, N. Y.		Waukegan, Ill.	
VOGY 840	400	WBBL 1210	100	WCBM 1370	100
St. John's, Nfld.		Richmond, Va.		Baltimore, Md.	
VONF 1195	500	WBBM 770	50000	WCBS 1420	100
St. John's, Nfld.		Chicago, Ill.		Springfield, Ill.	
VOWR 681	500	WBRR 1300	1000	WCCO 810	50000
St. John's, Nfld.		Brooklyn, N. Y.		Minneapolis, Minn.	
WAAB 1410	500	WBBZ 1200	100	WCFL 970	5000
Boston, Mass.		Ponca City, Okla.		Chicago, Ill.	
WAAF 920	1000	WBCM 1410	500	WCHS 580	500
Chicago, Ill.		Bay City, Mich.		Charleston, W. Va.	
WAAT 940	500	WBEN 900	1000	WCHV 1420	100
Jersey City, N. J.		Buffalo, N. Y.		Charlottesville, Va.	
WAAW 660	500	WBEO 1310	100	WCKY 1490	5000
Omaha, Neb.		Marquette, Mich.		Covington, Ky.	
WABC 860	50000	WBIG 1440	500	WCLO 1200	100
New York, N. Y.		Greensboro, N. C.		Janesville, Wis.	
WABI 1200	100	WBLK 1370	100	WCLS 1310	100
Bangor, Maine		Clarksburg, W. Va.		Joliet, Ill.	
WABY 1370	100	WBLV 1210	100	WCMI 1310	100
Albany, N. Y.		Lima, Ohio		Ashland, Ky.	
WACO 1420	100	WBNO 1200	100	WCNW 1500	100
Waco, Texas		New Orleans, La.		Brooklyn, N. Y.	
WADC 1320	1000	WBNS 1430	500	WCOA 1340	500
Akron, Ohio		Columbus, Ohio		Pensacola, Fla.	
WAGF 1370	250	WBNX 1350	1000	WCOC 880	500
Dothan, Ala.		New York, N. Y.		Meridian, Miss.	
WAGM 1420	100	WBNI 1370	100	WCOL 1210	100
Presque Isle, Me.		Buffalo, N. Y.		Columbus, Ohio	
WAIM 1200	100	WBOQ 860	50000	WCOP 1120	500
Anderson, S. C.		New York, N. Y.		Boston, Mass.	
WALA 1380	500	WBOW 1310	100	WCPO 1200	100
Mobile, Ala.		Terre Haute, Ind.		Cincinnati, Ohio	
WALR 1210	100	WBRB 1210	100	WCRW 1210	100
Zanesville, Ohio		Red Bank, N. J.		Chicago, Ill.	
WAML 1310	100	WBRC 930	1000	WCSG 1360	500
Laurel, Miss.		Birmingham, Ala.		Charleston, S. C.	
WAPI 1140	5000	WBRE 1310	100	WCSH 940	1000
Birmingham, Ala.		Wilkes-Barre, Pa.		Portland, Me.	
WAPQ 1420	100	WBT 1080	50000	WDAE 1220	1000
Chattanooga, Tenn.		Charlotte, N. C.		Tampa, Fla.	
WARD 1400	500	WBTM 1370	100	WDAF 610	1000
Brooklyn, N. Y.		Danville, Va.		Kansas City, Mo.	
WASH 1270	500	WBZ 990	50000	WDAH 1310	100
Grand Rapids, Mich.		Boston, Mass.		El Paso, Texas	
		WBZA 990	1000		
		Springfield, Mass.			

NORTH AMERICAN B. C. STATIONS BY CALLS

WDAS 1370	100	WFAA 800	50000	WHAS 820	50000
Philadelphia, Pa.		Dallas, Texas		Louisville, Ky.	
WDAY 940	1000	WFAB 1300	1000	WHAT 1310	100
Fargo, N. D.		New York, N. Y.		Philadelphia, Pa.	
WDBJ 930	1000	WFAM 1200	100	WHAZ 1300	500
Roanoke, Va.		South Bend, Ind.		Troy, N. Y.	
WDBO 580	1000	WFAS 1210	100	WHB 860	1000
Orlando, Fla.		White Plains, N. Y.		Kansas City, Mo.	
WDEL 1120	250	WFBC 1300	1000	WHBB 1500	100
Wilmington, Del.		Greenville, S. C.		Selma, Alabama	
WDEV 550	500	WFBG 1310	100	WHBC 1200	100
Waterbury, Vt.		Altoona, Pa.		Canton, Ohio	
WDGY 1180	1000	WFBL 1360	1000	WHBF 1210	100
Minneapolis, Minn.		Syracuse, N. Y.		Rock Island, Ill.	
WDNC 1500	100	WFBM 1230	1000	WHBI 1250	1000
Durham, N. C.		Indianapolis, Ind.		Newark, N. J.	
WDOD 1280	1000	WFBR 1270	500	WHBL 1300	250
Chattanooga, Tenn.		Baltimore, Md.		Sheboygan, Wis.	
WDRC 1330	1000	WFDF 1310	100	WHBQ 1370	100
Hartford, Conn.		Flint, Mich.		Memphis, Tenn.	
WDSU 1250	1000	WFEA 1340	500	WHBU 1210	100
New Orleans, La.		Manchester, N. H.		Anderson, Ind.	
WDWS 1370	100	WFIL 560	1000	WHBY 1200	100
Champaign, Ill.		Philadelphia, Pa.		Green Bay, Wis.	
WDZ 1020	250	WFLA 620	1000	WHDF 1370	100
Tuscola, Ill.		Clearwater, Fla.		Calumet, Mich.	
WEAF 660	50000	WFMD 900	500	WHDH 830	1000
New York, N. Y.		Frederick, Md.		Boston, Mass.	
WEAN 780	500	WFOR 1370	100	WHDL 1420	100
Providence, R. I.		Hattiesburg, Miss.		Olean, N. Y.	
WEAU 1050	250	WFOY 1210	100	WHEB 740	250
Eau Claire, Wis.		St. Augustine, Fla.		Portsmouth, N. H.	
WEBC 1290	1000	WGAL 1500	100	WHEC 1430	500
Duluth, Minn.		Lancaster, Pa.		Rochester, N. Y.	
WEBQ 1210	100	WGAN 640	500	WHEF 1500	100
Harrisburg, Ill.		Portland, Me.		Kosciusko, Miss.	
WEBR 1310	100	WGAR 1450	500	WHFC 1420	100
Buffalo, N. Y.		Cleveland, Ohio		Cleora, Ill.	
WEDC 1210	100	WGBB 1210	100	WHIO 1260	1000
Chicago, Ill.		Freeport, N. Y.		Dayton, Ohio	
WEED 1420	100	WGBF 630	500	WHIS 1410	500
Rocky Mount, N. C.		Evansville, Ind.		Bluefield, W. Va.	
WEEI 590	1000	WGBI 880	500	WHJB 620	250
Boston, Mass.		Seranton, Pa.		Greensburg, Pa.	
WEEU 830	1000	WGCM 1210	100	WHK 1390	1000
Reading, Pa.		Gulfport, Miss.		Cleveland, Ohio	
WEGL 1400	500	WGES 1360	500	WHKC 640	500
Brooklyn, N. Y.		Chicago, Ill.		Columbus, Ohio	
WEHS 1420	100	WGH 1310	100	WHLB 1370	100
Cicero, Ill.		Newport News, Va.		Virginia, Minn.	
WELI 900	500	WGL 1370	100	WHN 1010	1000
New Haven, Conn.		Fort Wayne, Ind.		New York, N. Y.	
WELL 1420	100	WGN 720	50000	WHO 1000	50000
Battle Creek, Mich.		Chicago, Ill.		Des Moines, Iowa	
WEMP 1310	100	WGNV 1210	100	WHOM 1450	250
Milwaukee, Wis.		Newburgh, N. Y.		Jersey City, N. J.	
WENR 870	50000	WGPC 1420	100	WHP 1430	500
Chicago, Ill.		Albany, Ga.		Harrisburg, Pa.	
WEQA 1370	100	WGR 550	1000	WIBA 1280	1000
Evansville, Ind.		Buffalo, N. Y.		Madison, Wis.	
WESG 850	1000	WGRC 1370	250	WIBG 970	100
Elmira, N. Y.		New Albany, Ind.		Glenside, Pa.	
WEST 1200	100	WGST 890	1000	WIBM 1370	100
Easton, Pa.		Atlanta, Ga.		Jackson, Mich.	
WEVD 1300	1000	WGY 790	50000	WIBU 1210	100
New York, N. Y.		Schenectady, N. Y.		Poynette, Wis.	
WEW 760	1000	WHA 940	5000	WIBW 580	1000
St. Louis, Mo.		Madison, Wis.		Topeka, Kans.	
WEXL 1310	50	WHAM 1150	50000		
Royal Oak, Mich.		Rochester, N. Y.			

NORTH AMERICAN B. C. STATIONS BY CALLS

WIBX 1200	100	WJW 1210	100	WMAL 630	250
Utica, N. Y.		Akron, Ohio		Washington, D. C.	
WICC 600	500	WJZ 760	50000	WMAQ 670	50000
Bridgeport, Conn.		New York, N. Y.		Chicago, Ill.	
WIL 1200	100	WKAQ 1240	1000	WMAS 1420	100
St. Louis, Mo.		San Juan, P. R.		Springfield, Mass.	
WILL 580	250	WKAR 850	1000	WMAZ 1180	1000
Urbana, Ill.		East Lansing, Mich.		Macon, Ga.	
WILM 1420	100	WKBB 1500	100	WMBC 1420	100
Wilmington, Del.		East Dubuque, Ill.		Detroit, Mich.	
WIND 560	1000	WKBH 1380	1000	WMBD 1440	500
Gary, Ind.		LaCrosse, Wis.		Peoria, Ill.	
WINS 1180	1000	WKBI 1420	100	WMBG 1210	100
New York, N. Y.		Cicero, Ill.		Richmond, Va.	
WIOD 1300	1000	WKBN 570	500	WMBH 1420	100
Miami, Fla.		Youngstown, Ohio		Joplin, Mo.	
WIP 610	1000	WKBO 1200	100	WMBI 1080	5000
Philadelphia, Pa.		Harrisburg, Pa.		Chicago, Ill.	
WIRE 1400	500	WKBV 1500	100	WMBO 1310	100
Indianapolis, Ind.		Richmond, Ind.		Auburn, N. Y.	
WIS 560	1000	WKBW 1480	5000	WMBU 1500	100
Columbia, S. C.		Buffalo, N. Y.		Brooklyn, N. Y.	
WISN 1120	250	WKBY 1500	100	WMBR 1370	100
Milwaukee, Wis.		Muskegon, Mich.		Jacksonville, Fla.	
WJAC 1310	100	WKEU 1500	100	WMC 780	1000
Johnstown, Pa.		Griffin, Ga.		Memphis, Tenn.	
WJAG 1060	1000	WKOK 1210	100	WMCA 570	500
Norfolk, Neb.		Sunbury, Pa.		New York, N. Y.	
WJAR 890	1000	WKRC 550	1000	WMEX 1590	100
Providence, R. I.		Cincinnati, Ohio		Boston, Mass.	
WJAS 1290	1000	WKY 900	1000	WMFD 1370	100
Pittsburgh, Pa.		Oklahoma City, Okla.		Wilmington, N. C.	
WJAX 900	1000	WKZO 590	1000	WMFF 1310	250
Jacksonville, Fla.		Kalamazoo, Mich.		Plattsburg, N. Y.	
WJAY 610	500	WLAC 1470	5000	WMFG 1210	100
Cleveland, Ohio		Nashville, Tenn.		Hibbing, Minn.	
WJBC 1200	100	WLAK 1310	100	WMFJ 1420	100
Bloomington, Ill.		Lakeland, Fla.		Daytona Beach, Fla.	
WJBK 1500	100	WLAP 1420	100	WMFN 1210	100
Detroit, Mich.		Lexington, Ky.		Clarksdale, Miss.	
WJBL 1200	100	WLB 1250	1000	WMFO 1370	100
Decatur, Ill.		Minneapolis, Minn.		Decatur, Ala.	
WJBO 1420	100	WLBC 1310	100	WMFR 1200	100
Baton Rouge, La.		Muncie, Ind.		High Point, N. C.	
WJBR 1420	100	WLBF 1420	100	WMIN 1370	100
Gastonia, N. C.		Kansas City, Kans.		St. Paul, Minn.	
WJBW 1200	100	WLBL 900	2500	WMMN 890	500
New Orleans, La.		Stevens Point, Wis.		Fairmont, W. Va.	
WJBY 1210	100	WLBZ 620	500	WMPC 1200	100
Gadsden, Ala.		Bangor, Me.		Lapeer, Mich.	
WJDX 1270	1000	WLEU 1420	100	WMSD 1420	100
Jackson, Miss.		Erie, Pa.		Sheffield, Ala.	
WJEJ 1210	100	WLLH 1370	100	WMT 600	1000
Hagerstown, Md.		Lowell, Mass.		Cedar Rapids, Iowa	
WJIM 1210	100	WLMU 1210	100	WNAC 1230	1000
Lansing, Mich.		Middlesboro, Ky.		Boston, Mass.	
WJJD 1130	20000	WLNH 1310	100	WNAD 1010	1000
Chicago, Ill.		Laconia, N. H.		Norman, Okla.	
WJMS 1420	100	WLS 870	50000	WNAX 570	1000
Ironwood, Mich.		Chicago, Ill.		Yankton, S. D.	
WJNO 1200	100	WLTH 1400	500	WNBC 1380	250
W. Palm Beach, Fla.		Brooklyn, N. Y.		New Britain, Conn.	
WJR 750	50000	WLVA 1200	100	WNBF 1500	100
Detroit, Mich.		Lynchburg, Va.		Binghamton, N. Y.	
WJRD 1200	100	WLW 700	500000	WNBH 1310	100
Tuscaloosa, Ala.		Cincinnati, Ohio		New Bedford, Mass.	
WJSV 1460	10000	WLWL 1100	5000	WNR 1430	500
Washington, D. C.		New York, N. Y.		Memphis, Tenn.	

NORTH AMERICAN B. C. STATIONS BY CALLS

WNBX 1260 1000	WPRA 1370 100	WSGN 1310 100
Springfield, Vt.	Mayaguez, P. R.	Birmingham, Ala.
WNBZ 1290 100	WPRO 630 500	WSIX 1210 100
Saranac Lake, N. Y.	Providence, R. I.	Springfield, Tenn.
WNEL 1290 1000	WPRP 1420 100	WSJS 1310 100
San Juan, P. R.	Ponce, P. R.	Winston-Salem, N. C.
WNEW 1250 1000	WPTF 680 1000	WSM 650 50000
Newark, N. J.	Raleigh, N. C.	Nashville, Tenn.
WNLC 1500 100	WQAM 560 1000	WSMB 1320 1000
New London, Conn.	Miami, Fla.	New Orleans, La.
WNOX 1010 1000	WQAN 880 250	WSMK 1380 200
Knoxville, Tenn.	Seranton, Pa.	Dayton, Ohio
WNRI 1200 100	WQBC 1360 1000	WSOC 1210 100
Newport, R. I.	Vicksburg, Miss.	Charlotte, N. C.
WNYC 810 1000	WQDM 1370 100	WSPA 920 1000
New York, N. Y.	St. Albans, Vt.	Spartanburg, S. C.
WOAI 1190 50000	WRAK 1370 100	WSPD 1340 1000
San Antonio, Texas	Williamsport, Pa.	Toledo, Ohio
WOC 1370 100	WRAW 1310 100	WSPR 1140 500
Davenport, Iowa	Reading, Pa.	Springfield, Mass.
WOCL 1210 50	WRAX 920 250	WSUI 880 500
Jamestown, N. Y.	Philadelphia, Pa.	Iowa City, Iowa
WOI 640 5000	WRBL 1200 100	WSUN 620 1000
Ames, Iowa	Columbus, Ga.	St. Petersburg, Fla.
WOKO 1430 500	WRC 950 500	WSVA 650 500
Albany, N. Y.	Washington, D. C.	Harrisonburg, Va.
WOL 1310 100	WRDO 1370 100	WSVS 1370 50
Washington, D. C.	Augusta, Mo.	Buffalo, N. Y.
WOMT 1210 100	WRDW 1500 100	WSYB 1500 100
Manitowoc, Wis.	Augusta, Ga.	Rutland, Vt.
WOOD 1270 500	WREC 600 1000	WSYR 570 1000
Grand Rapids, Mich.	Memphis, Tenn.	Syracuse, N. Y.
WOPI 1500 100	WREN 1220 1000	WTAD 900 500
Bristol, Tenn.	Lawrence, Kans.	Quincy, Ill.
WOR 710 50000	WRGA 1500 100	WTAG 580 500
Newark, N. J.	Rome, Ga.	Worcester, Mass.
WORC 1280 500	WRJN 1370 100	WTAL 1310 100
Worcester, Mass.	Racine, Wis.	Tallahassee, Fla.
WORK 1320 1000	WROK 1410 500	WTAM 1070 50000
York, Pa.	Rockford, Ill.	Cleveland, Ohio
WORL 920 500	WROL 1310 100	WTAQ 1330 1000
Boston, Mass.	Knoxville, Tenn.	Green Bay, Wis.
WOS 630 500	WRR 1280 500	WTAR 780 500
Jefferson City, Mo.	Dallas, Texas	Norfolk, Va.
WOSU 570 750	WRUF 830 5000	WTAW 1120 500
Columbus, Ohio	Gainesville, Fla.	College Station, Tex.
WOV 1130 1000	WRVA 1110 5000	WTAX 1210 100
New York, N. Y.	Richmond, Va.	Springfield, Ill.
WOW 590 5000	WSAI 1330 1000	WTBO 800 250
Omaha, Neb.	Cincinnati, Ohio	Cumberland, Md.
WOWO 1160 10000	WSAJ 1310 100	WTCN 1250 1000
Fort Wayne, Ind.	Grove City, Pa.	Minneapolis, Minn.
WPAD 1420 100	WSAN 1440 500	WTEL 1310 100
Paducah, Ky.	Allentown, Pa.	Philadelphia, Pa.
WPAR 1420 180	WSAR 1350 1000	WTFI 1450 500
Parkersburg, W. Va.	Fall River, Mass.	Athens, Ga.
WPAX 1210 100	WSAY 1210 100	WTHH 1200 100
Thomasville, Ga.	Rochester, N. Y.	Hartford, Conn.
WPAY 1370 100	WSAZ 1190 1000	WTIC 1040 50000
Portsmouth, Ohio	Huntington, W. Va.	Hartford, Conn.
WPEN 920 250	WSB 740 50000	WTJS 1310 100
Philadelphia, Pa.	Atlanta, Ga.	Jackson, Tenn.
WPG 1100 5000	WSBC 1210 100	WTMJ 620 1000
Atlantic City, N. J.	Chicago, Ill.	Milwaukee, Wis.
WPHR 880 500	WSBT 1360 500	WTMV 1500 100
Petersburg, Va.	South Bend, Ind.	East St. Louis, Ill.
	WSFA 1410 500	
	Montgomery, Ala.	

NORTH AMERICAN B. C. STATIONS BY CALLS

WTNJ 1280	500	XECW 1310	10	XERA 840	350000
Trenton, N. J.		Mexico City, D. F.		Villa Acuna, Coah.	
WTOC 1260	1000	XED 1160	2500	XES 990	250
Savannah, Ga.		Guadalajara, Jal.		Tampico, Tams.	
WTRC 1310	100	XEE 1210	50	XET 690	500
Elkhart, Ind.		Durango, Dgo.		Monterrey, N. L.	
WVFW 1400	500	XEF 1450	100	XETB 1310	125
Brooklyn, N. Y.		Juarez, Chih.		Torreón, Coah.	
WWAE 1200	100	XEFA 1180	500	XETF 1220	30
Hammond, Ind.		Mexico City, D. F.		Veracruz, Ver.	
WWJ 920	1000	XEFB 1420	100	XETH 1210	100
Detroit, Mich.		Monterrey, N. L.		Puebla, Pue.	
WWL 850	10000	XEFC 550	250	XEU 1010	250
New Orleans, La.		Merida, Yuc.		Veracruz, Ver.	
WWNC 570	1000	XEFE 1340	250	XEW 890	50000
Asheville, N. C.		Laredo, Tams.		Mexico City, D. F.	
WWRL 1500	100	XEFI 1440	250	XEWZ 1150	100
Woodside, N. Y.		Chihuahua, Chih.		Mexico City, D. F.	
WWSW 1500	100	XEFJ 1230	100	XEX 1310	125
Pittsburgh, Pa.		Monterrey, N. L.		Monterrey, N. L.	
WWVA 1160	5000	XEFL 1150	250	XEXM 610	....
Wheeling, W. Va.		Tijuana, L. C.		Mexico City, D. F.	
WXYZ 1240	1000	XEFO 940	5000	XEY 1000	10
Detroit, Mich.		Mexico City, D. F.		Merida, Yuc.	
W1XBS 1530	1000	XEFV 1210	100	KEYZ 780	10000
Waterbury, Conn.		Juarez, Chih.		Mexico City, D. F.	
W2XR 1550	1000	XEFW 1310	250	KEZ 630	500
Long Island City, N. Y.		Tampico, Tams.		Merida, Yuc.	
W6XAI 1550	1000	XEFZ 1370	100	KEZZ 1370	100
Bakersfield, Calif.		Mexico City, D. F.		San Luis Potosí, S. L. P.	
W9XBY 1530	1000	XEG 1270	200	XFA 1310	5
Kansas City, Mo.		Ensenada, B. C.		Aguascalientes, Ags.	
XEA 1060	500	XEH 1150	250	XFB 1270	250
Guadalajara, Jal.		Monterrey, N. L.		Jalapa, Ver.	
XEAA 920	200	XEI 1370	125	XFC 810	350
Mexicali, B. C.		Morelia, Mich.		Aguascalientes, Ags.	
XEAC 1240	250	XEJ 1020	1000	XFD 1340	350
Tijuana, L. C.		Juarez, Chih.		Jalapa, Ver.	
XEAF 990	500	XEK 990	100	XFO 940	5000
Nogales, Son.		Mexico City, D. F.		Mexico City, D. F.	
XEAG 1310	10	XEKL 1240	500	AFX 610	1000
Cordoba, Ver.		Leon, Guan.		Mexico City, D. F.	
XEAI 1240	100	XEL 1100	250	YNLF 1275	20
Mexico City, D. F.		Mexico City, D. F.		Managua, Nicaragua	
XEAM 750	7.5	XELA 1240	50	YNOP 1230	100
Matamoros, Tams.		Saltillo, Coah.		Managua, Nicaragua	
XEAO 560	250	XELO 1110	10000	YNVA 950	30
Mexicali, B. C.		Piedras Negras, Coah.		Managua, Nicaragua	
XEAQ 1090	1000	XEME 1240	15		
Rosario, L. C.		Merida, Yuc.			
XEAS 1160	100	XEMO 860	5000		
Saltillo, Coah.		Tijuana, L. C.			
XEAT 1210	300	XEMX 1280	12		
Hidalgo, Chih.		Mexico City, D. F.			
XEAW 960	50000	XEMZ 820	....		
Reynosa, Tams.		Coronado Isl., L. C.			
XEAZ 1420	7	XEN 710	1000		
Guanajuato, Gto.		Mexico City, D. F.			
XEB 1030	10000	XENT 910	150000		
Mexico City, D. F.		Nuevo Laredo, Tams.			
XEBC 730	5000	XEOK 760	250		
Agua Caliente, L. C.		Tijuana, L. C.			
XEBH 930	500	XEOX 640	500		
Hermosillo, Sonora		Saltillo, Coah.			
XEBK 1000	100	XEP 1160	500		
Nuevo Laredo, Tams.		Juarez, Chih.			
XEBZ 820	100	XEPN 730	100000		
Mexico City, D. F.		Piedras Negras, Coah.			
XEC 1160	30				
Tijuana, L. C.					

Eastern Time P. M.	12:00	12:15	12:30	12:45	13:00	13:15	13:30	13:45	14:00	14:15	14:30	14:45	15:00	15:15	15:30	15:45	16:00	16:15	16:30	16:45	17:00	17:15	17:30	17:45	18:00	18:15	18:30	18:45	19:00	19:15	19:30	19:45	20:00	20:15	20:30	20:45	21:00	21:15	21:30	21:45	22:00	22:15	22:30	22:45	23:00	23:15	23:30	23:45		
W2XAF, Sch. 147, 9,530																																																		
W2XE, Wayne, 6,120																																																		
W2XE, Wayne, 11,830																																																		
W2XE, Wayne, 15,270																																																		
W2XE, Wayne, 17,760																																																		
W3XAU, Phila., 6,000																																																		
W3XAU, Phila., 9,590																																																		
W4XB, Miami, 6,040																																																		
W4XB, Miami, 6,040																																																		
W8XAL, Cincinnati, 6,060																																																		
W8XK, Pittsburgh, 6,140																																																		
W8XK, Pittsburgh, 11,870																																																		
W8XK, Pittsburgh, 15,210																																																		
W9XF, Chicago, 6,100																																																		
XEBT, Mexico Cy., 6,000																																																		
XEER, Mexico Cy., 7,380																																																		
XEDQ, Guadalupe, 9,520																																																		
XEVI, Mexico Cy., 5,280																																																		
YVQ, Maracaibo, 6,672																																																		
YV2RC, Caracas, 5,800																																																		
YV3RC, Caracas, 6,165																																																		
YV4RC, Caracas, 6,375																																																		
YV5RMO, Maracaibo, 5,850																																																		
YV6RV, Valencia, 6,520																																																		

Hints on Tuning the Short Waves

It has been noted that shortwave reception follows certain definite trends. Stations between 5 and 7 megacycles favor darkness between the transmitter and the receiver. Transmitters working between about 8 and 10 megacycles are best when the station is in a night-time area and the receiver in daylight, so tuners should try for Europeans in this band in the early evening and for Australians near dawn. Below 10 megacycles the difficulty in tuning increases; here the path of the transmission should be as nearly as possible completely in daylight.

At night tune for South America between 5 and 10 megs. Europeans are good in the early evening and some of the higher powered Europeans are good all night. In the early morning tune for Australia and Asia between 6 and 10 megs. During the daytime tune for Europe, Africa and South America below 10 megacycles.

Eastern Time P. M.																								
	12:00	12:15	12:30	12:45	13:00	13:15	13:30	13:45	14:00	14:15	14:30	14:45	15:00	15:15	15:30	15:45	16:00	16:15	16:30	16:45	17:00	17:15	17:30	17:45
H11ABG, Bm'gila, 9.650																								
H11ABJ, 81a M'ra, 6.025																								
H2ABD, Buc'ra, 5.980																								
H3ABF, Bogota, 6.170																								
H3ABH, Bogota, 6.012																								
H3ABH, Bogota, 6.012																								
H4ABA, Medellin, 11.720																								
H4ABD, Medellin, 5.760																								
H4ABE, Medellin, 5.930																								
H4ABP, Medellin, 6.135																								
H5ABD, Cali, 6.430																								
HP5B, Panama Cy., 6.030																								
HP5J, Panama Cy., 9.580																								
HRN, Tegucigalpa, 5.875																								
12RO, Rome, 9.635																								
12RO, Rome, 11.810																								
OAX4D, Lima, 5.780																								
OAX4G, Lima, 6.230																								
ORR, Brussels, 10.330																								
PR5S, Rio de Jan., 9.500																								
RAN, Moscow, 9.630																								
TOWA, Gtma. Cy., 6.000																								
TG1X, Gtma. Cy., 9.450																								
TG2X, Gtma. Cy., 5.940																								
TIEP, San Jose, 6.710																								
TIGPH, San Jose, 6.520																								
TIPG, San Jose, 6.385																								
TIRCC, San Jose, 6.550																								
T15HH, Sanfamon, 5.520																								
T18VS, Punt'ria, 7.550																								
YK3LR, Melb'rne, 9.580																								
W1XAL, Boston, 6.040																								
W1XAL, Boston, 11.790																								
W1XK, Mills, 9.570																								
W2XAD, Seb'ldy, 15.330																								
W2XAD, Seb'ldy, 15.330																								

Eastern Time A. M.																								
	00:00	00:15	00:30	00:45	01:00	01:15	01:30	01:45	02:00	02:15	02:30	02:45	03:00	03:15	03:30	03:45	04:00	04:15	04:30	04:45	05:00	05:15	05:30	05:45
CFCX, Montreal, 6:00S																								
DJA, Berlin, 9:560																								
DJB, Berlin, 15:200																								
DJD, Berlin, 11:770																								
DJE, Berlin, 17:760																								
DJN, Berlin, 9:540																								
DJQ, Berlin, 15:280																								
GSB, Davenport, 9:510																								
GSD, Davenport, 11:750																								
GSE, Davenport, 15:140																								
GSG, Davenport, 17:790																								
GSH, Davenport, 21:470																								
GSO, Davenport, 15:180																								
GSP, Davenport, 15:310																								
HAS, Budapest, 15:370																								
HVJ, Vatican City, 15:120																								
JVM, Nazari, 10:740																								
JVN, Nazari, 10:660																								
PHI, Hiltvsum, 11:725																								
RKI, Moscow, 15:090																								
RNE, Moscow, 12:000																								
RNE, Moscow, 12:000																								
RVI, Khabarovsk, 4:273																								
TPA, Paris, 15:250																								
TPA, Paris, 11:580																								
TPA, Paris, 11:720, Paris																								
VK2ME, Sydney, 9:585																								
VK3IR, Melbourne, 9:580																								
VK3ME, Melbourne, 9:510																								
VPD, Suva, 13:075																								
WIX, Mills, 9:570																								
W2XAD, Schtady, 15:330																								
W2XE, Wayne, 21:520																								
W8XK, Pittsburgh, 21:540																								
W9XF, Chicago, 6:100																								
YDA, Bandoeng, 6:120																								

The Beginners' Story of Radio

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AROUND THE CLOCK ON THE SHORT WAVES

The time is given by the 24-hour clock. Noon is always 12:00 but midnight may be either 00:00 or 24:00. To change time to your own clock, subtract twelve from p.m. hours. Thus, 18:00 is 6 p.m. and 23:00 is 11:00 p.m. The time lines used in charts are for Eastern Standard. Those living in other zones may clip out the lines below and paste them over the EST lines. The following strips are for Central Standard Time. For MST, start with 10:00 and 22:00. For PST with 09:00 and 21:00.

Central Time A. M.	23:00	23:15	23:30	23:45	00:00	00:15	00:30	00:45	01:00	01:15	01:30	01:45	02:00	02:15	02:30	02:45	03:00	03:15	03:30	03:45	04:00	04:15	04:30	04:45	05:00	05:15	05:30	05:45	06:00	06:15	06:30	06:45	07:00	07:15	07:30	07:45	08:00	08:15	08:30	08:45	09:00	09:15	09:30	09:45	10:00	10:15	10:30	10:45
Central Time P. M.	11:00	11:15	11:30	11:45	12:00	12:15	12:30	12:45	13:00	13:15	13:30	13:45	14:00	14:15	14:30	14:45	15:00	15:15	15:30	15:45	16:00	16:15	16:30	16:45	17:00	17:15	17:30	17:45	18:00	18:15	18:30	18:45	19:00	19:15	19:30	19:45	20:00	20:15	20:30	20:45	21:00	21:15	21:30	21:45	22:00	22:15	22:30	22:45
Central Time P. M.	11:00	11:15	11:30	11:45	12:00	12:15	12:30	12:45	13:00	13:15	13:30	13:45	14:00	14:15	14:30	14:45	15:00	15:15	15:30	15:45	16:00	16:15	16:30	16:45	17:00	17:15	17:30	17:45	18:00	18:15	18:30	18:45	19:00	19:15	19:30	19:45	20:00	20:15	20:30	20:45	21:00	21:15	21:30	21:45	22:00	22:15	22:30	22:45

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Statement of Ownership

Statement of the ownership, management, circulation, etc., required by the Acts of Congress of August 24, 1912, and March 3, 1933, of Radio Index published Monthly except July and August at Cleveland, O., for October 1, 1936. State of Ohio, County of Ashtabula, ss. Before me, a Notary Public in and for the State and county aforesaid, personally appeared Fred C. Butler, who, having been duly sworn according to law, deposes and says that he is the Editor of the Radio Index and that the following is, to the best of his knowledge and belief, a true statement of the ownership, management (and if a daily paper, the circulation), 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, printed on the reverse of this form, to wit: 1. That the names and addresses of the publisher, editor, managing editor, and business managers are: Publisher, The Radex Press, 326 Penton Building, Cleveland, O. Editor, Fred C. Butler, Managing Editor, none. Business Managers, none. 2. That the owner is: (If owned by a corporation, its name and address must be stated and also immediately thereunder the names and addresses of stockholders owning or holding one per cent or more of total amount of stock. If not owned by a corporation, the names and addresses of the individual owners must be given. If owned by a firm, company, or other unincorporated concern, its name and address, as well as those of each individual member, must be given.) Fred C. Butler d. b. a. The Radex Press, 326 Penton Building, Cleveland, O. 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: (If there are none, so state.) 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. 5. That the average number of copies of each issue of this publication sold or distributed, through the mails or otherwise, to paid subscribers during the twelve months preceding the date shown above is (This information is required from daily publications only.) Fred C. Butler (Signature of editor, publisher, business manager, or owner.) Sworn to and subscribed before me this 8th day of Oct. 1936. (Seal.) May M. Parker. (My commission expires Feb. 13, 1937.)

The Republic of Panama is soon to have another shortwave station, this one at David. Mr. Leo Marchowsky is the head of the company back of the venture. We understand the station will be known by the name ASIUL AIRAM, which is "Maria Louisa" backwards. The frequency will be 11740 kcs.



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