

NSE

September, 1939

RADIO IN INDEX

The All-Wave Radio Log Authority



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Reception of Foreign Stations
Broadcast Band and Shortwave Lists
The Amateur Bands
What Pacific Coast Listeners Are
Hearing

No. 131

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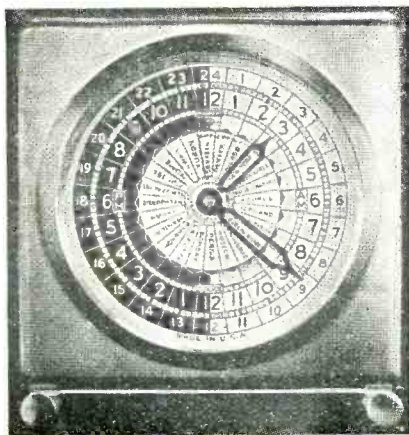
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What DXers Have Always
Wished For!

THE ELECTRIC WORLD-
TIME CLOCK

RADEX, 362 Cedar Lane, Teaneck, N. J.

INDIA, Land of Mystery and Land of Paradoxes! A country half as big as the United States but with three times as many people. A country with 222 languages but not one common language. A country where cattle are sacred but which is the cruellest country in the world to its cattle. The country of the richest people and the poorest people, but where even the poorest people own precious metals. A country where untold treasures are buried and hidden and even the poorest man borrows money rather than use his hidden silver. Gold and silver and valuable gems find their way into India, but rarely out of it. A strange and interesting country, full of thrills and surprises for the world traveller, whether the traveller goes in person or by way of his radio set.

British India consists of fifteen provinces, and the rest of the country, 39 per cent. of it, is governed by native princes. Radio is a government monopoly under the direction of All-India Radio, with principal offices at Delhi, the capital of the country.

There are eleven stations on the broadcast band, in the cities of Allahabad, Bombay, Calcutta, Dacca, Delhi, Lahore, Lucknow, Madras, Peshawar and Trichinopoly. In the cities of Bombay, Calcutta, Delhi and Madras there are six shortwave stations.

Reception of India's broadcast band stations is irregularly reported on our south Pacific Coast, but the shortwave stations have a world-wide audience. Programs consist of Indian and European music, and talks and news in English as well as in some of the Indian dialects.

NEXT MONTH—A complete description of the Andrea Television Kit and how to build it, will appear in the October RADEX.

ALASKA HO!

Alfred H. Bacon of New Westminster, British Columbia, took a trip this summer to Alaska, which he summarizes, very briefly, as follows: "Indians, esquimaux, gold mines, glaciers, mountains, salmon, halibut, whales and fisheries."

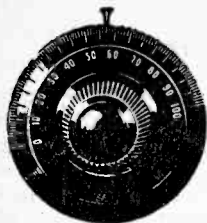
Mr. Bacon was invited to speak at two radio stations in the north, KINY in Juneau and KGBU in Ketchikan. He talked for about twenty minutes at each station, about the recent visit of the King and Queen to British Columbia, about his reception of the Pitcairn Island radio station VR6AY, and about RADEX. His talks were well-received by his listeners, and he had numerous telephone calls from local listeners before leaving the stations.

"The stations are splendid," Mr. Bacon writes. "KGBU uses a vertical steel radiator, 327 feet high, lighted by a neon sign showing the call letters on it. KGBU is on 900 kcs., using 500 watts, transmitting from 10 am to 7 pm and from 10 pm to 3 am, PST. Their frequency check is on the second Saturday of each month, from 6:05 to 6:20 am PST. The Manager is James A. Britton, of the Alaska Radio & Service Co., Inc., 107-111 Front St. They have a construction permit to use 1000 watts power.

"KINY in Juneau has built new studios since a fire swept away the big block that they were formerly situated in. Their new aerial, of about 225 feet, is built on one of the slag heaps in Gastineau Channel, in front of the Juneau Gold Mine. Working on 1430 kcs. with 250 watts power, KINY is owned by Edwin A. Kraft, in the Goldstein Bldg. The manager is Mr. C. B. Arnold and the Chief Engineer, Mr. Heister. They have a permit to use 1000 watts power. KINY broadcasts daily from

(Continued on page 4)

SEPTEMBER 1, 1939



SIXTEENTH YEAR

RADIO IN INDEX



NUMBER 131

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CONTENTS

Cover Girl—Alice Rheinhart

DXERS' APPOINTMENT CALENDAR	4
ON THE WEST COAST, <i>by A. C. Tarr</i>	5
VIDEO VARIETIES	9
RADEXING WITH THE RADEXERS, <i>by Ray LaRocque</i>	11
HIGH FREQUENCY GLOBE TROTTING, <i>by Ray LaRocque</i>	19
NEWS OF WHAT'S NEW	28
SWL TRADING POST	30
NEW BRITISH STATIONS	30
HAM HOUNDING, <i>by Hugh Hunt</i>	31
AMATEUR CALLS HEARD	33
DXERS' PICTURE GALLERY	34
ACROSS THE EDITOR'S DESK	35
QUESTIONS AND ANSWERS, <i>by B. Francis Dashiell</i>	39
FORESTRY RADIO IN BRITISH COLUMBIA, <i>by R. V. Mauris</i>	40
THE SHORTWAVE BROADCASTING STATIONS	42
THE WORLD'S RADIO STATIONS, <i>From 500 to 1624 kcs.</i>	50
APPLICATIONS TO THE FCC	62
MONTH'S CHANGES IN STATION DATA	62
THE RADEX CLUB	95

See Subscription Blank on Page 96.

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FOR SALE AT YOUR NEWSSTAND

PIGEONS AND FACSIMILE

The oldest and newest forms of communications were combined one Saturday last April when Crosley's facsimile station W8XUJ used carrier pigeons to speed pictures of the Cincinnati Red-Pittsburgh Pirates baseball game to the studio for immediate transmission.

"Black Comet," world-record racing bird on whose back was strapped the official harness of the United States Signal Corps, flew the negatives from the park to the Crosley plant, a distance of about four and a half miles, in three minutes, and the photos were developed and on the air twenty minutes after being taken. Six birds were used in carrying the thirty-two pictures snapped on the playing field.

This "stunt" demonstrated, incidentally, that radio does not interfere with the ability of pigeons to fly to their destinations, as the birds delivered the pictures at a loft atop the Crosley plant.

According to Wilfred Guenther, Crosley coordinator of facsimile and television, pigeons may become regular members of the WLW-W8XUJ staff to increase the speed of picture service.



Homer Weimer of Cincinnati, who raises and trains pigeons, strapping the harness on "Black Comet," at the baseball park.



John Brill, radio facsimile engineer of WLW-W8XUJ, observes the facsimile transmission of the pictures and story.



Jack Vogle, W8XUJ facsimile editor, prepares pictures and captions for transmission over the air

NEXT MONTH—A complete list of the broadcasting and shortwave stations in the Dominican Republic will appear in "Across The Editor's Desk."

DXer's Appointment Calendar

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

Sept. 3, 1-3:30 am, TGWA, 9685 kcs. Special DX Concert.

Sept. 10, 12:01-12:10 am, YL2CD, 14040 kcs. Send reports, with IRC, to A. Vitolius, Miera-iela 52-5, Riga, Latvia. (Arranged by J. E. Gardner for Cleveland Radio Club).

Sept. 11, 3:30-3:45 am, WQDM, 1390 kcs., St. Albans, Vt. Talks on ham radio.

Sept. 17, 12:01-12:10 am, YL2CD, 14040 kcs. Send reports, with IRC, to A. Vitolius, Miera-iela 52-5, Riga, Latvia. (Arranged by J. E. Gardner, Cleveland Radio Club).

Sept. 17, 1-3:30 am, TGWA, 9685 kcs., Guatemala City, Guat. Special DX Concert.

Sept. 24, 12:01-12:10 am, YL2CD, 14040 kcs. Send reports, with IRC, to A. Vitolius, Miera-iela 52-5, Riga, Latvia. (Arranged by J. E. Gardner for CRC).

Oct. 2, 8 pm, meeting of the Irvington Chapter, The Radex Club, 870 Sanford Ave., Irvington, N. J.

Oct. 6, Card party sponsored by The Irvington Chapter.

Oct. 8, 1-3:30 am, TGWA, 9685 kcs., Guatemala City. Special DX Concert.

Oct. 9, 3:30-3:45 am, WQDM, 1390 kcs., St. Albans, Vt. Talks on ham radio.

Oct. 15, at 1 am, YN3DG. Program tentatively arranged by Prof. Carlo Spatari.

Oct. 22, 1-3:30 am, TGWA, 9685 kcs., Guatemala City. Special DX Concert.

Oct. 29, 1-2 am, TG1 on 1310 kcs. and TG2 on 6190 kcs., "Radio Morse," Guatemala City. Program for The Radex Club, arranged by Prof. Carlo Spatari and Col. Eduardo

Perez F. No postage required for veries.

Oct. 31, 3-5 am, LS11, La Plata, Argentina, 30 kw., 1310 kcs. Send IRC for veries to Radio Provincia de (Arranged by Wm. Cunningham for URDXC).

Nov. 6, 8 pm, meeting of the Irvington Chapter of The Radex Club, at 870 Sanford Ave., Irvington, N. J.

Nov. 12, 10-10:10 am, YL2CD, 28080 kcs. Send reports to A. Vitolius, Miera-iela, 52-5, Riga, Latvia. (Arranged by J. E. Gardner, for CRC).

Nov. 13, 3:30-3:45 am, WQDM, 1390 kcs., St. Albans, Vt. Talks on ham radio.

Nov. 15, 4-6 am, ZP15 on 700 kcs. and ZP14 on 11721 kcs., Villarrica, Paraguay. Arranged by Wm. Cunningham for URDXC.

Nov. 19, 10-10:10 am, YL2CD, 28080 kcs. Send reports with IRC A. Vitolius, Miera-iela, 52-5, Riga, Latvia. Arranged by J. E. Gardner for CRC.

Plans for the National Radio Club Convention to be held in Erie, Pa., on Sept. 2, 3 and 4 are about completed, and as this is being written, a couple weeks prior to the convention, it appears that the convention will be a big success. At least fifty members are expected to attend, coming from points as far away as Decorah, Iowa, Brooklyn, Chicago and New York City.

(Continued from page 1)

9 am to midnight, PST.

"While in Alaska I learned that Alaska packs more canned salmon than any other place in the world, producing about one and a half million cans annually. At Ketchikan there are 3400 licensed fishing vessels employing some 5000 persons."

ON THE WEST COAST

• • • By ANTHONY C. TARR

IT has long been recognized that DXers in widely separated parts of this country must operate under entirely different conditions. With an expanse of nearly three thousand miles of land lying between the Atlantic and Pacific Oceans, and a difference of three hours in time, the listener on the West Coast often finds the reception reports of those on the East Coast to be of little use to him. For many years the major radio magazines and club bulletins have favored the Eastern DXer to a very great extent; the schedules are almost invariably published in Eastern Standard Time and nearly all the "DX editors" and columnists have been located in the East and have, perhaps unintentionally, conducted their columns from the viewpoint of their own locale.

This season RADEX introduces a column written exclusively for DXers on the Pacific Coast and in the far Western states, conducted by a DXer in their own vicinity, and which will contain reports from Western readers only, with the schedules in Pacific Standard Time.

An exception to our usual policy is being made in this instance, in that reception reports will be sent directly to the editor of this department and not through the editorial offices of RADEX. This column will also be unique in that it will contain DX reports on all bands—Broadcast, Amateur, Shortwave Broadcast, and the Ultra-High Frequencies—which, of course, will be divided into sections for greater convenience.

So without further ado, except to ask that the success of this initial column be assured by all readers in the MST and PST zones sending

their reports directly to the editor, we go into this month's data, again reminding you that all times are Pacific Standard.

Ultra-High

Interest in the ultra-high frequencies is steadily increasing, but is still not as keen as it should be, considering the fact that here is an opportunity for DXers to really contribute toward the advancement of science, while at the same time enjoying some listening experiences not to be found on any other band. New licenses are continually being granted stations to operate on the hitherto little-explored wavelengths below twelve meters, and these stations readily admit that listeners' reports on their transmissions are of considerable aid to them in determining their coverage during this experimental stage.

How much better it is for us to send our reports where they are really appreciated, rather than wasting postage

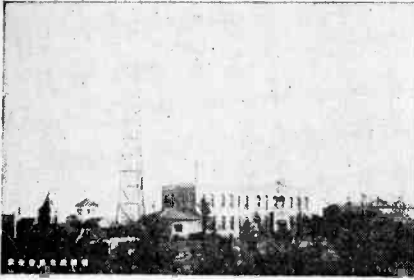
sending them to Cubans or Mexicans who cannot stay on one frequency for two consecutive nights and care little what their coverage may be beyond their commercial range. Listeners here in the West are particularly well situated to help the ultra-high broadcasters, for we are the most distant in the country from their transmitters, the majority of which are in the East. Some nice verification cards, too, will result from your reports. Let us know what you are able to pull in on these bands!

Broadcast Band

At this writing it is too early to do more than guess what the coming season will hold in store for us. Our situation here on the Pacific Coast is very favorable for the reception of

**Reporters in the Mountain Standard
and Pacific Standard Time Zones
may send their reports direct to**

**Anthony C. Tarr,
909 W. Lee St., Seattle, Wash.**



This veri card, signed by K. Mizutani, comes from JODK2, 970 kcs. broadcasting station at Keijo, Chosen (Korea). This 10 kilowatt Asiatic station is heard on our Pacific Coast, but with less regularity than some of the other Japanese stations.

stations across the water in Japan, Australia, and New Zealand. Our records show that two years ago, in 1937, the Japanese stations were coming in very well as early as the seventh of September, the best among these being JOAK-1, 590 kc., JOHK, 770 kc., JOIK, 810 kc., JOFK, 830 kc., JBCK, 850 kc., JOCK-1, 730 kc., and JOAK-2, 870 kc., all of them powered at 10 kw. Even some of the 500-watters put in sporadic appearances, among them being JOPK, 780 kc., JOQK, 920 kc., JOXK, 980 kc., and JOIG, 1060 kc.

In the season of 1938, however, Japanese reception was far below par, and but few new Australians were added to our log. What lies before us in 1939? Only time will tell, so we refrain from making any predictions. Those who have newly joined the ranks of DXers (and there will be many such embryo listeners here on the Coast), need not hesitate to try their hand at these trans-Pacific stations. The undefinable thrill attained from pulling in your very first Aussie or Zedder is worth many a sleepless night, and is something you will not soon forget! When the evenings begin to get cool, and the sum-

mer static removes its ugly presence, sit down at your radio about 1:30 or two o'clock some morning and see what you can hear on one or more of the channels occupied by the "old stand-bys". We need hardly remind you that patience is the most desirable asset, for the prolonged fading of these distant stations renders them inaudible for many minutes at a time.

In the Antipodes, the listener would do well to concentrate on the following listed stations, not only because they are the most likely to be heard, but also because they will in all probability have clear channels and hence will not be confused with any domestic broadcasters:

The Big Ten

- 570 kc. 2YA Wellington, N. Z.
- 620 kc. 3AR Melbourne, Aust.
- 650 kc. 1YA Auckland, N. Z.
- 700 kc. 2NR Grafton, Aust.
- 710 kc. 7NT Kelso, Aust.
- 720 kc. 3YA Christchurch, N. Z.
- 790 kc. 4YA Dunedin, N. Z.
- 800 kc. 4QG Brisbane, Aust.
- 830 kc. 3GI Longford, Aust.
- 840 kc. 2YC Wellington, N. Z.

We will be particularly interested in hearing from new listeners as to their experiences and results in tuning for the TP's. Later on, we will give you some of the more difficult catches to try for, based of course on our own findings as the season rolls along.

Shortwaves

The writer wishes to express his particular appreciation to Herman Orlaw, Vancouver, B.C., for much of the information contained in this section relative to Asiatic stations. It will be noted that, in order to compile a respectable log of Asiatics, most of one's listening must be done in the early morning hours between three and seven o'clock. At first glance, the stations listed in this section may look to some of our new readers like extremely difficult catches, to be attempted only after a great deal of experience. This, however, is not the

case. In many instances signals from these stations are very good in this part of the country, requiring but little skill to intercept them. By following the schedules and frequencies below listed, and a basic knowledge of shortwave tuning in general, practically anyone can soon boast of some excellent verifications.

Australia

VK9MI, abroad the M. V. "Kanimbla", may be heard signing off at 4:15 am or shortly thereafter on 6053 kcs. Their final theme is "God Save the King". Reports should be addressed in care of McIlwraith & McEacharn, Ltd., Melbourne, Australia. Their card bears a picture of the ship.

China

XPSA, Kweiyang, Kweichow, puts in a fair signal on 7010 kcs. after 3 am.

XGOY, Chungking, announces 11900 kcs. but is somewhat unstable, possibly 5 kcs. either way. The English news broadcast frequently concludes at 3:30 am with call and frequency announced in English, followed by talks and music of the Chinese type. The signal is particularly strong. Reports addressed to the Central Broadcasting Station in Chungking should reach them.

XMHA, Shanghai, is another unstable Chinese on about 11857 kcs. Like XPSA, the signal is but fair, and can be heard after 3 am.

XGOK, Canton, was lately heard on 11810 kcs., also unstable in frequency, with an R6 signal.

A station believed to be XTA, Peiping, was heard by Herman Orlaw with a good signal at 5 am on irregular days.

Fiji Islands

VPD2, Suva, still holds sway on 9538 kcs. and a very strong signal is heard between 2:30 and 4 am.

French Indo-China

"Radio Saigon" begins their transmissions daily on 6116 kcs. with an English announcement at 3 am. They

will verify by letter. It is also reported that their 11780 kcs. transmitter is now very irregular or possibly off the air entirely.

"Radio Hanoi" now uses their No. 2 transmitter exclusively, the frequency being 11900 kcs., the station on 9510 kcs. having been discontinued on January 1 due to a newly imposed copyright tax on musical compositions, according to official information. At this writing, however, Hanoi II had not been heard for some time, due possibly to reception conditions.

"Radio Boy-Landry" puts in a weak and irregular signal on 6210 kcs. near 4 am.

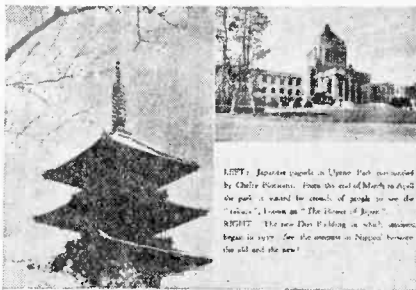
Hong Kong

ZBW3 comes on the air at 2 am, using their regular frequency of 9525 kcs. Little trouble should be encountered while logging them.

India

VUD, Delhi, on 9590 kcs. still presents a very fine signal here in the West. Tune for them at 5 am.

A new Indian station appeared on 6093 kcs. during the summer, with a woman announcer, but the signal has not thus far been good enough to catch the call. Information will be welcome. They are heard at 6:30 am.



LEFT: Japanese torii in Upper Park constructed by Chieftain. From the end of March to April the park is closed to most of people to see the "torii", known as "The House of Joy".
RIGHT: The new Shin Fielding in what ancient Nippur is now. See the entrance in Nippur between the old and the new.

A verification card from the Japanese shortwave stations. (Courtesy of Jerry Hahn).

Japan

JFAK, Taihoku, Taiwan, a station with many satellites, signs on at 1 am on 9630 kcs. The signal is very strong. Relaying this program is JFO on 9692 kcs., who signs on at 6 am, and an unidentified station on 6125 kcs., signing on at 1 am.

The following is a complete list of Japanese stations which was received directly from the Nippon Hoso Kyokai, who assure us it is correct as of the beginning of this year. We are indebted to Harry Honda, Los Angeles, California, for this list:

6015	JLR	15135	JLU3
6095	JZH	15160	JZK
6190	JLT	15225	JLT2
9505	JLG2	15235	JVW4
9525	JLU2	15325	JLP2
9535	JZI	17785	JZL
9605	JLP	17795	JLU4
9645	JLT2	17825	JVW5
9655	JLS	17835	JLP3
9675	JVW2	17845	JLS2
11705	JLG3	21520	JZM
11725	JVW3	21560	JLP4
11800	JZJ	21610	JLT4
15105	JLG4	21620	JLS3
15115	JLR2		

Java

YDB, Soerabaia, signs on at 1:30 am on 9650 kcs. and YDA is audible on 6040 kcs. at 3 am. Other Javanese to put in good signals are PMN, Bandoeng, 10220 kcs., and PLP, 11000 kcs., which is reported to be the best of the lot.

YDC, 15150 kcs., also located in Bandoeng, may be heard on 15150 kcs. when the 19-meter band is active, but conditions on this frequency render it unreliable.

New Zealand

A station announcing as Z2B is reported by Herman Orlaw to be heard irregularly on 6965 kcs. calling "Hello, Dubbo". Our lists show Z2B to be the call of a broadcasting station in Wellington, while Dubbo is the name of a town in New South Wales, Australia.

Philippines

KZRM operates on 9570 kcs., and they have lately inaugurated a new station on 6140 kcs. with different programs. Both stations commence broadcasting at 1:30 am, and both can be easily heard. Their verification card is an orange one with large red call letters. Reports may be addressed to "Radio Manila", Manila, P. I.

KZIB, 9500 kcs., is reported to completely cover VK3ME at 3 am and later.

Sumatra

YDX, Medan, is bothered by CW interference, but you can try for this station at about 4 am on 7220 kcs. If the amateur brass pounders are not too active, reception should be fair.

U.S.S.R.

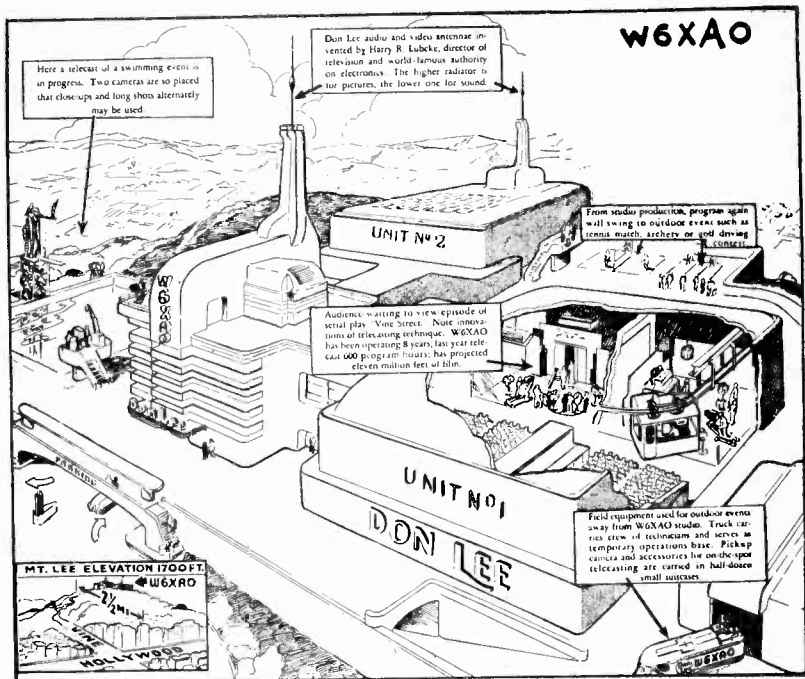
RV96 is the call of the new station on 11825 kcs., affirms Herman Orlaw after several weeks of intent listening. A powerful signal may be heard from them beginning at 3 or 3:30 am. The programs consist of French, Russian and Chinese talks, and some Oriental music, with most announcements made by a woman. They are located in Moscow. A verification of your report is very improbable, as this is apparently a special program for far-Eastern parts of their country.

Queries

An unidentified station on 10690 kcs. plays German marches between 3-4 am irregularly, being bothered by heavy CW interference.

Thus we conclude our initial efforts at presenting a DX column exclusively for listeners out here in the wide open spaces of the West. We trust it will meet with your favor, and its future success will depend on your cooperation by sending in your reports on all bands to us, that we may pass them along to others in the MST and PST zones. Thanks and good luck!

VIDEO VARIETIES



HOLLYWOOD will have the first station in the world built exclusively for television. The City Planning Commission of Los Angeles has approved the request of the Don Lee Broadcasting System to move its television experimental station W6XAO from downtown Los Angeles, to a site on top of Mt. Lee, the highest mountain accessible by road in the Hollywood range.

The twenty acre site selected is on the Mack Sennett estate at the eastern boundary of Griffith Park. The property is reached by driving up the Western Avenue Extension, and is situated directly behind the giant Hollywoodland sign. Mount Lee, named in memory of the late Don Lee, is 1700 feet high. Only inaccessible Cahuenga Peak exceeds it in height in the area.

Station W6XAO, the only television station west of Kansas City, employs the 45 megacycle television channel, broadcasting on a regular five day a week schedule.

Queries

Following are some of the questions asked about television on the Pacific Coast, and the answers are by Thomas S. Lee, of W6XAO:

Q. When will Hollywood have television?

A. It has it now, and has had for nearly eight years. The Don Lee transmitter went on the air December 23, 1931. Since that time more than 11,000,000 feet of film have been telecast, and live-talent shows are presented five times a week.

Q. Where can I see television?

A. The Hollywood Television Society has weekly meetings, on Tues-

day nights at 7 o'clock, at 7377 Santa Monica Blvd., and members demonstrate their sets at 7:30 p.m. The live talent shows were off the air temporarily while the studio equipment was being switched from 300 to 441 lines, but no doubt they will be resumed before this magazine reaches its readers.

Stations

The Director of the Radio Broadcasting Service of France writes, in response to our request for information on television in his country, that ordinarily, excellent reception of the Paris station is enjoyed within a radius of 50 kilometres, "and," he continues, "some satisfactory reception has been reported in a radius of 110 km. Overseas, the British Post Office has advised us that their receivers located on the coast of South England have received the television transmissions from the Eiffel Tower station."

The Parisian station transmits visual programs on 45985 kcs. with 25 kilowatts power, and the accompanying sound is broadcast on 41990 kcs. This station is operated by the Republic of France, Ministère des Postes, Telegraphes et Telephones, 107 rue de Grenelle.

The Kalorama Laboratories of Irvington, N. J., operators of W2XWC, have been granted a construction permit to move their station to Carlstadt, N. J., and to continue operation on 2000-2100 kcs. with a power of 500 w., from midnight to 6 am, EST.

The RCA Mfg. Co. of Camden, N. J., station W3XAD, have been granted a modification of their license to change frequency from 124000-130000 to 321000-327000 kcs.

Stepping up their transmitting as well as their production activities, the Allen B. DuMont Laboratories of Passaic, N. J. have filed applications for additional television transmitting licenses. One application covers a



The Stewart-Warner radio and television combination, Model T-1210. This 26-tube receiver is designed for the standard broadcast band and one police band, and seven television bands.

portable mobile transmitter to be carried on a motor truck for picking up outside events and flashing them to the main transmitter for retransmission. Another application is for a one kilowatt station to be on the top floor of 515 Madison Ave., New York City. The third application is for a similar television station to be installed in the National Press Bldg., Washington, D. C.

Arrangements for the installation of a television picture system for demonstrating television have been made by KSTP, St. Paul. This equipment is similar to that at the world's fairs in New York and San Francisco, consisting of an electronic camera which picks up the images and carries them by cable to a number of standard home television receivers.

Francisco Gonzales, 702 South Edison Street, Tampa, Fla., reads Radex

Radexing With The Radexers

By Ray La Rocque

TO start the new season in the right manner, RADEX offers you this new standard broadcast section with the hope of giving you more news in a tabulated style. As you will note, the broadcast news this month is divided into sections, so that by merely glancing at the sub-titles, you may **turn immediately** to any type of news in which you may be interested.

THIS 'N' DATA

What is the status of KWTN? G. B. Leech of R. R. 3, Salmon Arm, British Columbia says he found them listed in December frequency check list, but not in the log. They were heard by Radexer Leech in December, but never before or since. (KWTN was deleted by the FCC on June 3, 1938, and given an extension to July 4, 1938. The station asked for a rehearing of their case, and the issues are still pending in the Court of Appeals.—Ed.) D. C. Morrison of Berkeley, California is kind enough to reveal the sign-on time of a few stations for the benefit of the early risers among us. KORE, KLBM and KIEM come on the air at 10 a.m.; KGFL, KWEW, KFJI, KEHE and KGHL sign on the air at 9 a.m.; while KGVO was heard signing on at 8:50 a.m. KVNU and KDON sign on at 9:30 a.m.; and KFRO and KOCY at 7:45 a.m. The following open at 7 a.m.: KAND, KWTO, KGKO, WNAX, KVOO, WGAR and KGNC. On at 6 a.m. are WBNS and WWVA. KRIC, KID and KFEL start up at 8 a.m. CKMO signs on at 11 a.m. and KINY at noon. CKLW starts up at 6:30 a.m., while KEEN doesn't start till 3 p.m.

Information on small networks is very much desired by Gerald Harris, 724 Armstrong, Kansas City, Kansas. Having written to member stations, Radexer Harris has received the following list of networks and their affiliated stations. "Texas Quality

Network" has WBAP, WFAA, KPRC and WOAI. The "Z" Network has KGIR, KRBM, and KFPA. The Wisconsin Radio Network is comprised of KFIZ, WIBU, and WHBY. The Oklahoma Network has KTOK, KBIX, KGFF, KOME, KCRC, and KADA. The Don Lee Network embraces a larger group in KTOK, KFRC, KGB, KDB, KPNC, KVOE, KDON, KXO, KQW, KFXM, KTKC, KIEM, KVEC, KHSL, KVCV, KRNR, KALE, KSLM, KORE, KOOS, KMO, KIT, KPQ, KVOS, KXRO, KOL, KGA, KGY, KELA, KRKO, and KWLK. The Kansas Network has but WIBW and KCKN.

P. O. BOX R9

BERKELEY, CALIFORNIA— from D. C. Morrison, 2427 Ellsworth St.: "KJBS has been signing on at 10 p.m. P.S.T., lately, with the announcement that they give 20¾ hours of continuous operation (therefore signing off at 6:45 p.m.) KRKD appears to be the station on 1120 kcs. after midnight though KFSG has been heard on this frequency occasionally. KIRO and KMPC both use 710 kcs. till 5 a.m. P.S.T., and both interfere badly with each other. Before midnight KALE is heard through KFAC, while after midnight, KALE covers the band."

EAST COULEE, ALBERTA— from John F. Potts, Box 46: "Contrary to the belief that cold weather brings the best radio results, I have had the best reception and most distance in July and August between 1 and 3 a.m."

CHESTER, VERMONT — from Donald M. Wright, South Main Street: "Will you please tell me what an EKKO stamp is? I have one from WAWZ, but would like to know its significance." (Originally, an EKKO stamp was issued by the

station in lieu of a verification card or letter. They were mounted by DXers in albums and kept as veries, just as cards are today. Eventually, they got into the hands of persons who took too many liberties in exchanging them with other DXers for stamps they didn't have in their own collections. Thus their value as a verification, today, is practically worthless.)

CHICAGO, ILLINOIS—Richard Wright, 5762 Harper Avenue: "I now have four RADEX plaques. My off continent log now stands as follows: Europe—1, Oceania—3, and South America—4, which includes 13 countries."

GREENSPOND, NEWFOUNDLAND—Rev. J. L. Quinton, St. Stephen's Rectory: "In the months from October to January I picked up most big trans-Atlantic stations, but I have heard none since. Cuba's little stations sometimes pour in, and at present I get some good South Americans. LR-1, Buenos Aires on 1070 kcs. is generally good at midnight. VAS, Glace Bay and CBA, Sackville are good in the daytime and I have a daylight veri from both. One night after local VONF on 640 kcs. signed, a station announced San Francisco on the same frequency and signed off owing to troubles with transmitter. I did not get call letters. I have been interested in Radio for quite a few years. At home, we started early with the old timers—the sets that squealed when you looked at them, huge horns, etc. I expect, someday, to be on the air with a home made transmitter."

SILVER SPRINGS, MARYLAND—Elwood B. Cole (R998), 9002 Midwood Road: "I have been DXing since February 1, 1939, and since then I have logged 235 stations on the broadcast band, and have verified 113 of them. Also, I have verified 18 stations on the shortwaves, not counting amateurs. I have heard

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every state but nine and have heard Canada, Puerto Rico, Mexico, Guatemala, Cuba, Bahamas, Hawaii, and Costa Rica."

COVERING THE CONTINENTS Domestic Dialings

By Domestic, we mean all stations located in the United States and Canada, as well as all the smaller countries and islands which are near those two countries.

FORECAST: September, for most parts of this country and Canada, marks the beginning of good reception on the broadcast band. Stations will gradually begin to come in stronger and static will lessen in intensity. There will be exceptions, when summer static will show up as in July, but a good DXer's motto is, "Start logging them early."

Way Out West Where the K's Transmit: KGIR has been coming in real well lately. Ordinarily it is not easily heard. CJRM is the best Canadian outlet. The Mexican border stations spoil nearly all of the more powerful Canadians. (Thomas C. Roberts, R1139, Wyo. 4, Caspar, Wyo.)

KVNU on 1200 kcs. in Logan, Utah is heard on the second Thursday of each month on FCC monitoring check at 6:09 a.m. . . . KMMJ on 740 kcs. at Clay Center, Nebr. heard at

4 p.m. carrying the "Man on the Street" program. . . . KOWH is the new call for WAAW in Omaha on 660 kcs. They are owned by Omaha World-Herald. (Martin J. Olthoff, Independence, Kansas).

KGHL in Billings, Montana has verified with a very nice card showing a photo of their station. They were heard twice, both occasions being the first Saturday of the month from 4:20-4:40 a.m. . . . KFOX and KVOA are often heard transmitting programs in Spanish at various hours of the morning and night. Both of these stations have been mistaken for foreign catches several times. . . . KGLU and KAND have both been verified from the March and April FCC tests. KGLU seemed glad to get a reception report and sent a very cordial letter. KAND sent a printed card. . . . KGAR is now KTUC as noticed on last FCC test. . . . KFBI, according to KSL Spatari broadcast, conducts a test program the 10th of each month from 6-6:15 a.m. . . . KTKC on 1190 kcs. in Visalia, Calif. was heard on FCC schedule on the second Monday from 5:55-6:05 a.m. (D. C. Morrison, Berkeley, Calif.)

With the W's in the East: WING is the new call for WSMK at Dayton which still operates with 200 watts (250 authorized). General Manager is now Ronald Woodyard. The NBC supplies WING with recordings of NBC artists which leads radio fans in this territory to believe that WING will become a member of that network, although no indications have been made other than the record set-up. (Robert W. Wertz, Dayton, Ohio).

WRAL in Raleigh, N. C. is now on the air and has been for about two months. WRAL operates between the hours of 6 a.m. and 1 a.m. the following morning. The station is associated with the Mutual Broad-

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casting System. (Arthur Lee Poole, Raleigh, N. C.)

WGAN carries CBS programs and should, I believe, be listed as a member of that network. (Donald M. Wheatley, R1003, Chester, Vt.)

WWNC on 570 kcs. is now a CBS outlet. . . . WRVA on 1110 kcs. at

Richmond, Va., is now using 50 kw

. . . WHK on 1390 kcs. is using 2500 watts, daytime. . . . WDNC on 1500

kcs. is using 250 watts daytime. . . .

WRAL on 1210 kcs. is now on the air. (Herbert Patterson, R449-N.C.2, Durham, N. C.)

WGN's new 750 ft. tower, the tallest man made structure in the Central West was recently put into operation and has improved reception over the station's entire service area as well as boosting its strength 40%. (W. J. Wood, Oak Park, Ill.)

WMBF, an affiliate of WIOD, and WSYU, which is another call for WSYR are other hard-to-get stations not mentioned in "P. O. Box R9" section. I wonder if any Radexer has these verified? . . . W8XO is more or less regularly heard as WLW's test call. . . . W9XC is a newcomer and an affiliate of WHO on 1000 kcs. with the same power, 1000 watts. (Desmond Callan, R987, Readville, Mass.)

WIND, in a letter, state that they are surprised that they received an R9 report from a listener in this vicinity as the station uses a directional antenna which limits the power transmitted toward Waterloo to about one-tenth of that radiated in the maximum direction. (Ray Schaffar, R1092, Waterloo, Iowa).

WRVA on 1110 kcs. operates from 6:30-1 a.m. except Sunday when they come on at 8 a.m. . . . WRNL on 880 ks. has just had a permit granted to boost power to 1000 watts and use directional antenna with unlimited time. . . . WRTD on 1500 kcs. with 100 watts operates from 7 a.m. to midnight with transmissions beginning at 8 a.m. on Sunday. . .

WMBG on 1350 kcs., operates from 7 a.m. till midnight daily signing on Sundays at 8 a.m. WBBL on 1210 kcs. operates Sunday from 11 a.m. to 12:45 p.m. and 7:45-9:15 p.m. (James R. L. Fitzgerald, Jr., Richmond, Va.)

WDEV, in a letter, state that they no longer have frequency checks, and that they are on from 7 a.m. to local sunset. (Elwood B. Cole, Jr., R998, Silver Spring, Md.)

Canada: CFQC changed from 840 to 600 kcs. around the middle of last February. Reception is much better on the new frequency . . . CJOC is now on 1210 kcs. The change was made between March 30 and April 2. . . . CJRM is now on 950 kcs. instead of 540 kcs. as before. The change was made at the same time as CJOC's. CJRM is so weak now that they hardly can be heard, whereas I could pick them up at any time on the old channel. (John F. Potts, R1136, East Coulee, Alberta).

Puerto Rico: WKAQ will carry programs of sustaining nature received from the international broadcast stations W2XE and W3XAU.

Bahama Islands: ZNS is on 790 kcs. located at Nassau using 1000 watts on a schedule which starts daily at 1:30-2 p.m. and from 8-9 p.m. Complete address is: Telecommunications Dept., East St., Nassau, N.P., Bahama Islands. (Wm. W. Flynn, Dummer, Sask.)

St. Pierre: FQN is on Saturday nights only from 6:30-8 p.m. with a signal not too strong here in Newfoundland. They open and close with "La Marseillaise." (Rev. J. L. Quinton, Greenspond, Nfld. — R1142, Nfld.3).

Alaska: KINY is the only Alaskan that has been received clearly here. KGBU has never been heard and KFQD was just barely detected. I have tried for KGBU during the March and April FCC tests and though it should have been in the clear at this time, no signal was detected. KINY was fair most of the

time. As they were signing off on the test period, the announcer mentioned that they would resume transmission at 8 a.m. Alaskan time. (D. C. Morrison, Berkeley, Calif.)

Newfoundland: "VONF on 640 kcs. and VOGY on 840 kcs., operate in parallel along with short-waver VONG on the following schedule: 8:30 a.m. to 12:30 p.m. and 4:30-9:30 p.m. . . . VOXM on 1040 kcs., now instead of 1000 kcs. as listed. . . . VOWR on 700 kcs. now instead of 681 kcs. . . . VOMA on 655 kcs. at Battle Harbour, Labrador using very low power and operated by the Marconi Company come on the air at 3 p.m. daily except Sunday with a mouth organ selection followed by a resume of the day's news and sign off about 7-10 minutes after coming on the air. Not much chance for any DX except for those in the North Maine woods or in Eastern Canada. (Rev. J. L. Quinton, R1142, Nfld.3, Greenspond, Nfld.)

VOAR on 950 kcs. in St. Johns is a 25 watter listed by the Dept. of Commerce in their bulletin, but evidently is not broadcasting as Rev. Quinton made no mention of it in his list of stations now operating in Newfoundland.

Looking Into Latin America

In this section, each month, will be found reports from stations located in all countries of South and Central America as well as Islands of the West Indies.

FORECAST: Reception from the South is good all winter and increases with the coming of midwinter with the exception of signals emanating from central and southern parts of South America. These signals seem to be best in the Autumn and Spring months, though the more powerful stations are heard throughout the DX season.

Brazil: PRF-3 stated that they received but one report on last January's broadcast from the state of

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Iowa, as per May RADEX. That report must have been that of yours truly as I certainly reported them. (Ray Schaffar, R1092, Waterloo, Iowa).

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Guatemala: TG-1 using 200 watts conduct a special concert in Spatari on Sunday mornings from 2-2:30 a.m. with announcements in Spatari and English. This was heard over the KSL Spatari program and the announcer said TG-1 reports are welcomed and will be verified promptly. (D. C. Morrison, 2427 Ellsworth St., Berkely, Calif.)

Costa Rica: Information on broadcasting stations of this country is easily available—but correct information is very much at a premium. For some unknown reason every list of stations coming out of Costa Rica disagrees almost completely with any previous list. Changes which have occurred since the listing in the indices of Midsummer RADEX according to the Dept. of Commerce bulletin amount to ten unlisted stations: TIGPH—605 kcs., 1000 watts; TING—750 kcs., 375 watts; TIEMC—860 kcs., 250 watts; TIAFB—900 kcs., 600 watts; TIOS—940 kcs., 500 watts; TI-3MG—1030 kcs., 500 watts; TINBC—1070 kcs., 5000 watts; TIRCC—1200 kcs., 500 watts;

TIGPH-2 on 1225 kcs., 1000 watts; and TI-4NRH—725 kcs., 750 watts.

(See also the list of Costa Rican stations appearing in this month's "Across The Editor's Desk").

Cuba: CMHI on 830 kcs. testing in the mornings. They were heard at 2:05 a.m. No English was used, but it was mentioned in Spanish that they were using 1000 watts down there in Santa Clara—and the signal sounded like more! (Ray Schaffar, R1092, Waterloo, Iowa).

CMOA on 660 kcs. now instead of 910 kcs. . . . CMBG on 1140 kcs. now instead of 690 kcs. . . . CMBQ on 910 kcs. instead of 1320 kcs. now. . . . CMBC on 690 kcs. instead of 1140 as before. . . . CMCR on 1320 kcs., having moved from 660 kcs. (George Burnham).

Mexico: XELO heard on 730 kcs. at 5 a.m. Reception was poor and has been for some time. (John F. Potts, R1136, East Coulee, Alta.)

XEAU (New) in Tijuana, Mexico was heard here during the April FCC testing period on the second Monday just after KARM signed off. They were heard from 1:15 a.m. to 1:25 a.m. on 1310 kcs. This station was reported now on the air from a KSL Spatari program in which the announcer said that they announced as the "Voice of Southern California" and that their mailing address was P. O. Box 24, San Diego, Calif. The program heard was announced as a test program in English. Reception—good! . . . XELO has been heard often on 730 kcs. and XERB on 1090 kcs. These stations have not been identified on any other frequencies, and no other Mexican has been heard on either of these frequencies. Both have been heard very well at times. (D. C. Morrison, Berkeley, Calif.)

NEL with its 250 watts is surely a very funny station. In the early morning, when it's plenty dark and reception is coming in, they're hardly audible—yet, at sunrise, when XENT

and others begin to fade, they roar in R7-8! They're almost as strong as the much nearer and higher powered XENT. (Desmond Callan, R987, Readville, Mass.)

Tuning the TA's

All reception of stations in Europe and Northern and Eastern Africa (if any) will be reported in this section each month.

FORECAST: We predict nothing this month for fans who are seeking TA's. Not until late October are signals due from this part of the universe. Although some of the better equipped DXers favored with a good location may hear TA's this month, we wouldn't advise the average fan to lose any sleep trying for Europeans this month.

Tunisia: The French PTT station at Tunis on 868 kcs. will use 20 kilowatts this season and operate on approximately the same schedule as Marseille, France. Which means that they will be coming on the air early enough to be heard here when conditions permit. Marseille opened their broadcasting day at 2:00 a.m. last season.

French Morocco: "Radio-Maroc" at Rabat on 601 kcs. is the only broadcasting station permitted to operate in this country. They use a power of 25000 watts. (Dept. of Commerce).

Trans-Pacific Topics

All reports of stations in New Zealand, Australia, other Oceanic islands, and in Asia will be included in this section each month.

FORECAST: "Down under" stations (those in Oceania) will be heard very well during the next few months. They should reach their peak of the Autumn season in October. It is not too early to begin shooting at a few of the higher powered New Zealand or Australian stations. Asia is not to be heard generally until later in the season. In fact midwinter is the ideal time

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for Asiatics on the broadcast band, though west coast fans may find it possible to log them much earlier in the season. Of course you know that just before sunrise is the usual time TP's are heard!

Hawaii: KGU usually can be picked up before their sign off time, with a weak, but steady, signal. . . . KHBC is heard less often with about the same reception at times, but usually weaker. KGMB is by far the best of the TH stations—even though lesser powered than KGU. All three were heard on the FCC tests. (D. C. Morrison, Berkeley, Calif.)

KGU and KHBC have been heard several times, but I have never been able to hear KGU as loud as KHBC! (John F. Potts, R1136, East Coulee, Alta.)

Japan: JOIG at Toyama verified with a yellow and white card. Call letters are in yellow. The card also shows a pagoda and nearby mountains. (A. V. Deterly, R662, La.3, Baton Rouge, La.)

Comes now the time to say that we have enjoyed writing this new department for you. We hope every Radexer receives the same genuine pleasure while reading these jottings of ours. Without the help of those who contributed, they would not have been possible, of course. To all who helped—many sincere thanks and please write again, often!

Please keep in mind that your criticisms and suggestions are as welcome, if not more so, as your compliments. We have tried to present the news to you in a manner which is intended to please. If improvements can be made, and we know there is room for some, we will make them immediately upon receiving the suggestion. So, Radexers, let this be your department. If you contribute generously with news, you will have a bigger department; and if you criticize wisely, you will

have a better department. We await your command. So long until next month.

George A. Lee, 2920 Sheridan Blvd., Lincoln, Nebraska, reads Radex.

QUESTIONS—ANSWERS

C. M. R., Louisville, Ky.: I used to get Holland on my Philco 38-5, but I never hear it any longer. Does the set need balancing?

Answer. Reception from Holland on a 7-tube set is doing pretty well. However, providing the set and antenna have not changed, and all parts are good and the current supply is perfect, it might be a good idea to check over the 6A8G oscillator or mixer tube and replace if it seems to be weakening. Sometimes a new 6K7G in place of the original 6U7G has been known to improve reception.

I. S. Woodside, N. Y.: My General Electric 6-tube set receives programs a few points off on each frequency.

Answer. The set either is out of alignment or the dial has slipped. If the amount the tuning is off is the same over all extremes of the dial the whole unit should be reset on the tuning condenser shaft. If the set is out of alignment, it is a simple job for a good serviceman, but not the novice.

G. W. W., Saxton, Pa.: My Sky Rover model 778 set has a frying or sizzling noise which often stops when the set warms up, but then a steady hum appears after that. Why is this?

Answer. We suspect that one of the filter condensers in the power pack is defective and that the noise comes from within while the set is getting warm, and that the hum is due to the same cause. However, one of the small resistors and bypass condensers someplace in the circuit, if defective, gives similar symptoms. A careful check by a good serviceman is your best bet.

R. E. Carrington, 1108 Neches St., Austin, Texas, reads Radex.

High Frequency Globe Trotting

By RAY LA ROCQUE

Report-O-Meter

M. F. Williams	100%
A. W. Jollin	60%
Robert Skyten	56%
John J. Oskay	48%
Desmond Callan	46%

"Matty" Williams of Newark, New Jersey starts the season in the right manner by capturing the top spot in the "Report-o-Meter." Besides those listed above, honorable mention is awarded to M. J. Olthoff, and John D. Long, who came close, but did not register.

For the newer readers who are not familiar with our "Report-o-Meter", a little explanation may be in order. Each month, the Meter lists the five best reporters of the month. The scores are based on the reports used in our Shortwaves in Review, Ultra High, and Not-so-Short Waves sections. There is no definite system of points, as your Chief Globe Trotter is the sole judge on the merit of each report. However, the items in which we are mostly interested are: New stations, changes in frequency, location, schedule, station addresses, identification signals, types of programs broadcast, and whether or not they use male announcers. If you will endeavor to include as many of the above particulars in your reports as possible, you will be assured someday, sooner or later, of reaching the select group that comprises our monthly "Report-o-Meter".

ASK US ANOTHER

"In May Radex, C. R. Wilson, asks some details about stations ZNC-ZNF on 5900 kcs. These stations are located in Bechuanaland, Africa. ZNC is located at Naun, while ZNF is in Ghanzi. There is a ZND, too, on the same frequency on Tsaben. Each station has a power of 40 watts

and are operated, I believe, by the Public Works. These stations were not believed to be heard in America." The above from Pierre Langevin, Laprairie, Quebec. . . "I would like to know about the verification policy of a few stations," is the query of George C. Starry, 210 N. Ligonier St., Latrobe, Penna. "The stations are: XEBR, CB960, Radio Sociedad Nacional de Agricultura, OAX5C, Radio Requete, YN-1IP, W6XBE, EA7BA, VP6LN, NY4AB."

In answer to Tony Tarr's query, Joseph Schwartz (R1109) of New York City relates that WQKW is the station of the Ohio Police and operates on 33.1 mc. with 50 watts. WRBH on the same frequency is a mobile station of the Cleveland Police and uses 15 watts. . . Roland Schweitzer of 145-11 34th Ave., Flushing, N. Y. would like Alfred Bacon to know that he reported OZF on July 18th and received a verification on Sept. 22. The report was for a 55 minute period. . . More information on the Spanish speaking



This Hungarian veri card, in red, green and black, features a variety of photographs pasted in the red square. Thus every HAS3 and HAT4 card is different. This one, showing the Szepmuvesxeta Museum, is reproduced by courtesy of Peter Straton, James Hodgden and Jerry Hahn.

station on about 16200 kcs. is sought by William Scott (R626-Tenn.3), 313 Holston Ave., Johnson City, Tenn.

A. M. Hankins, 1006 Ligonier, Latrobe, Penna. asks about a strange station on approximately 9110 kcs., heard on Sunday at 8:15 p.m. speaking Spanish and seeming to greet various cities in the United States, Canada, and South America. "I heard him say Yugoslavia twice, then a band played a slow march. This was followed by the familiar tone beats which characterize the German stations. It was not DJL as the German station comes in a little lower on the dial." . . . A station heard on 7440 kcs. on a set schedule from 9-10:45 p.m. whose opening identification was two short, one long buzz has not been heard for three weeks. This from A. W. Jollin, 44 Benefit St., Worcester, Mass. . . . Friend Jollin also comes forth with the information that the station heard by Gil Harris on 7000 kcs. (actually 7002) is EA9AH at Tetuan, Spanish Morocco. Typical Moroccan music heard on some programs may be easily mistaken for Oriental music.

Alfred Bacon, 928 Thirteenth St., New Westminster, B. C. asks: "What Cuban is heard on 16340 kcs. in the evening?" . . . "What Spanish speaking station is in the middle of the 40 meter ham band?" is the query of Bob Wilson, 69 Grant St., Portland, Me. . . . William W. Flynn (R937), Wagner School, Dummer, Sask. asks about W9XEI, heard talking to W-10XJF on or near 8500 kcs. The person talking at W-10 was a Mr. Donnelly who reported they were bound for San Antonio. "Can you supply the QRA or QTH of the W9 or W-10 in RADEX," is the query of R937! . . . M. F. Williams, Newark, N. J. asks identification of station in Dominican Republic coming on the air on 5880 kcs. at 7 p.m. and signing at 10 p.m.

A few of the puzzlers offered by

John J. Oskay, R.F.D. #1, Box 179, New Brunswick, N. J. are: A YV or HJ on 4924 kcs. at 8:30 p.m.; China (?) on 11720 kcs., around six a.m. with oriental type music; Station on 4908 kcs., at 7:05 p.m. probably YV1RY; another on 4887 kcs. QRM'ing HJ4DAP and YV1RX; others on 4900 and 4940 kcs., which may be YV6RT and YV5RO respectively; HJ1ABP not heard on 9618 kcs., may be the station being heard on 4924 kcs. . . . "I get a station on approximately 12000 kcs. in Matanzas, Cuba and another a few kilocycles higher which is also Spanish speaking, at noon. Can you tell me who they are and addresses?" This from R. Causse (R1117), Lester, Penna. (The Matanzas station is undoubtedly COGF—RL). . . . Here comes an answer: "Please inform Alfred Bacon," says Harold Satterthwaite, 3345 Oakhurst Ave., Palms, Los Angeles, Calif. "that OZF does verify. I have a card from them on July 28, 1938. They give two addresses. Transmission address: Postog Telegrafvaesenet, Radioingenioertjenesten, Bernstorffsgade 32, 1, Copenhagen V., Denmark. Alternate address: Danmarks, Kortboelgesender OZF, Statmarks, Kortboelgesender OZF, Statsradiofonien, Heibergsgade 7, Koebenhavn, Danmark."

QUOTE AND UNQUOTE

William W. Flynn, Dummer, Saskatchewan: "Why not have a list of QSL signers from S. W. stations as well as for broadcast QSL's? Here are some I have: CFVP—E. Marshal, CFRX—Harry Sedgwick, CHNX—Wm. Barrett, ZNS—K. P. Brown, RV96—I. Petrov, Paris—Jean Fraysse, Lima—G. Cabrera, W6XBE—Buck Harris."

H. Taylor, Hollis, Long Island: "In March I got myself a new Crosley Super-11 and to date I have logged over 110 stations, with varies from 50, such as, Canada, England, France, Mexico, and Guatamala. When I

went for a book listing all stations at the newsdealer, he showed me RADEX and I liked it so well I hope I will be able to get every copy that comes out."

Art Child (R986), San Francisco, California: "Greetings from the Golden Gate Exposition. Hope to see more articles on portable sets and DX on same receivers."

Rev. J. L. Quinton (R1142, Nfld.3), Greenspond, Newfoundland: "I am using a 10 tube Airline with movie dial. The set is battery operated. I am using a 180 ft. single wire inverted "L" pointed Northwest by North. This antenna has been increased in length since last winter. I find that the longer aerial increases DXing, but tends to run the stations together on S. W. It is a great improvement on the broadcast band. Last winter was a bit better in general than 1938, but still left much to be desired in the way of reception. Some nights they roared in, then other nights there was no reception at all. Of course, this effect was due mostly to our old friend, Aurora Borealis. Northern Lights are the order of the night here during fine weather in Fall, Winter, and Spring, and it's useless to try to operate when they are around. I keep a log of countries only and during the past Winter, picked up all the South American countries, most of the Central and West Indies including Martinique, etc.; practically all the big U.S.A. stations. However, the Canadian S.W. stations are not heard except Sydney and Halifax on the 49 meter band. From Europe, England, France, Rome, Berlin, Vatican, Holland, and Lisbon, all come in R9. Many other European countries such as Russia, Poland, Czechoslovakia, Austria, Hungary, Ireland, Switzerland, and Spain have been heard. I used to hear Australia until March, but not since then. Addis Ababa and ZRL represent Africa."

ULTRA HIGH

W3XO on 43200 kcs. has been

granted extension of special temporary authority to operate on that channel. (RX)

W9XH on 26050 kcs. at South Bend, Indiana is on the air week days only from 1:30-5:30 p.m. They relay the programs of WSBT and WFAM of the same city. (Mais—R572, Ind.)

W9XTA on 26500 kcs. with 500 watts at Harrisburg, Ill. carries the program Ham Forum—probably the oldest radio program now on the air devoted to radio amateurs. Program is heard every Saturday at 2:15 p.m. and consists of amateur news, technical information, editorial comment, and ham gossip. (A. James Ebel, Ch. Engr., W9XTA)

W8XNU on 25950 kcs. with 1000 watts broadcasts daily from 7 a.m. to 1 a.m. and on Sunday programs commence an hour later. They are anxious for reports. (Sawado—R592,

—
A. E. Trapp, Box 158, Grass Range, Mont., reads Radex.

SHORTWAVES IN REVIEW

Angola

CR6CC on 11740 kcs. in Luanda is heard when CS2WD signs off at 2:30 p.m. with a very weak signal and badly hampered by the side bands of W1XAL. (Williams—R552, N.J.)

Brazil

PSH on 10220 kcs., PSE on 14935 kcs., and PSA on 21080 kcs., offer the following schedule of programs in different languages:

- Portugese: PSH—Daily except Sunday from 6-7 p.m.
- English: PSH—Mondays from 8-8:30 p.m.
- Spanish: PSH—Fridays from 7-7:30 p.m.
- German: PSE—Wednesdays from 4-4:10 p.m.

Italian: PSE—Thursdays from 3-3:30 p.m.

PSA—1st Thursday of mo. from 11:18 a.m. to noon.

French: PSE—Saturdays from 3-3:30 p.m.

(Skyten—R786, Mass.; and Olthoff—Kans.)

PPH on 11930 kcs. heard at 5:30 a.m. with a program directed to Japan. (Oskay—N.J.)

British Honduras

ZIK-3 on 5300 kcs. is the call for the Belize station on this frequency. The previous schedule remains as 8:30-8:50 p.m. They are not as strong as formerly on 10600 kcs. (Williams—R552, N.J.; and Oskay—N.J.)

Burma

XYZ (That's right, the three last letters in the alphabet) on 6007 kcs., with 1500 watts and XZZ on 3488 kcs., with 50 watts at Rangoon, Burma, broadcasts daily from 8:20-10:30 p.m. and from 5:30-9 a.m. Sundays from 8:30-10:30 p.m. Slogan: "This is Government Experimental Broadcast Station, Rangoon, Burma, transmitting simultaneously on 6007 and 3488 kcs." Reception reports will be verified for an IRC if addressed to W. J. Byrnes, Officer in Charge, Burma Independent Wireless Sub-Division, Rangoon. (RX via Gardner—Ohio)

Canada

CFRX on 6070 kcs. at Toronto verify with a card on which a picture of Ontario's Parliament Building appears in blue and gray. They report very few cards come from Saskatchewan. (Flynn—R937, Sask.)

CFVP on 6030 kcs. located at Calgary, Alberta is heard with a good signal between 9 a.m. and 1 a.m. on Thursday and noon to midnight on Sundays. (Williams—R552, N.J.)

Chile

CB1180 on about 11970 kcs. and CD1190 on 11900 kcs. heard broad-

casting simultaneously at 6 p.m. (Jollin—R1018, Mass.)

China

XPSA on 7140 kcs. is located at Kweiyang, Kweichow Province, in China and not at Chungking. (RX)

XGOX on 17800 kcs. is heard with program beamed to N. America daily from 9:30-11:30 p.m. (RX)

XGOY on 11900 kcs. beamed to Eastern Europe from 4-6:30 p.m., to Russia, East and North China from 5:30-7:15 a.m., to Japan from 7:15-8 a.m., to South China and Philippines from 8-10:30 a.m., to Soviet Russia from 11-11:30 a.m. From the beginning of Autumn, until Spring, XGOX will operate on 15200 kcs., and XGOY on 9500 kcs., on the same schedule as present. (RX)

XGOY on 11900 kcs. (occasionally on 11880) has been reported in this country on almost all of the above transmissions. News in English is heard at 9 a.m. and 6 p.m. During English announcements the call XGOX XGOY is repeated several times. (Williams—R552, N.J.; Olthoff—Kans.; Oskay—N.J.; Skyten—R786, Mass.)

XTC on 9295 kcs., located at Shanghai operates between 8-9 a.m., and are heard with a strong signal. (Williams—R552, N.J.)

ZBW-3 at Hongkong logged here one morning with R6 signal. They were just about snowed under by an R5 noise level. (Scott—R626, Tenn.3)

Colombia

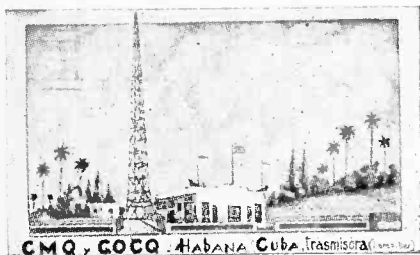
HKF on 9710 kcs. "La Voz de Bogota", Apartado 312, Bogota, is heard nightly after 9 p.m. with a strong signal. (Williams—R552, N.J.)

Costa Rica

TIPG on 9610 kcs. now (formerly 9695) from 7 a.m. till 11:30 p.m. with English hour every Wednesday and Saturday from 9-10 p.m. (Jewell—R834, Ala.; Olthoff—Kans.; Williams—R552, N.J.)

Cuba

COBC on 9960 kcs. in Havana seem to be much higher in frequency than



From easy-to-hear stations CMQ or COCQ comes this pretty QSL card which all DXers ought to have. (Courtesy of A. D. Jordan).

listed. They are actually close to 10000 kcs. (Hankins—R7, Pa.1)

COCE on 12230 kcs., "La Voz del Transporte", Prado 18, Havana, has been heard relaying CMC daily from 8 a.m. to midnight. (Williams—R552, N.J.)

COCQ on 8850 kcs., seem to have settled on this frequency as they have been sticking to it lately. (We have our fingers crossed as we write, though!—RL.) (Oskey—N.J.)

Czechoslovakia

OLR4A on 11840 kcs. heard signing off the air at 9:26 p.m. with carillon of beautiful chimes. Very loud and clear. No English used. (Williams—R552, N.J.; and Hankins—R7, Pa.1)

OLR5A on 15230 kcs. sends the Prague programs in the evenings now instead of OLR4A. Schedule is from 6:55 to at least 8:15 p.m. Contrary to report in last RADEX they do announce the full call as O-EI-Air-Feer-Ah—OLR5A! (Callan—R987, Mass.)

Dominican Republic

HIN on 6243 kcs., of Trujillo City announces now as HIN and HI-1N, not H-1N. Incidentally, they are one of the best signals on the 49 meter band. (Skyten—R786, Mass.) They have a program in Arabic twice weekly. On Thursday from 8:45-10 p.m. and on Sunday from 6:45-8 p.m. (Nahas—N.Y.)

HI-3X on 17400 kcs. heard at 9:10 p.m. on this frequency. (Oskey—N.J.)

Ecuador

HCJB on 12450 kcs. is putting in a good signal around 10 p.m. nightly on the Friendship Hour. They gave their address as Post Office Box 691, Quito, Ecuador. (Long—Ca.)

HC1GQ on 9163 kcs. at Quito is on the air daily between 8:30 and 11 p.m. (Williams—R552, N.J.)

HC2CW on 9125 kcs. now, having recently made another change in frequency. (Williams, N.J.)

Ethiopia

IABA on 9650 kcs. at Addis Ababa is heard Sundays between 3:30 and 3:55 a.m. (Williams—R552, N.J.)

France

TPA-3 on 11885 kcs. heard at 4:30 p.m. with a good signal from R7-8. (Nahas—N.Y.)

TPA-4 on 11720 kcs. heard at 6:30 p.m. with R7 Signal (Nahas—N.Y.)

TPB-7 on 11885 kcs. and TPB-6 on 11718 kcs., come on the air simultaneously with the North American program at 8:30 p.m. TPB-7 is the better of the two. (Skyten—R786, Mass.; Grant—R1159, Tex.)

Germany

DZH on 14460 kcs. heard at 12:43 p.m. playing band music, and at 1 p.m. relaying a program to "Radio Uruguay" of Montevideo. Also heard with program in Spanish from 7:45-8:20 p.m. nightly. (Skyten—R786, Mass.; and Callan—R987, Mass.)

Great Britain

GRX on 9690 kcs. is the newest of the BBC transmitters—X is for Extra. (Callan—R987, Mass.)

GRY on 9600 kcs. (Y for York) is being used along with GRX on the latter part of transmission four from Daventry. The latter station is used for European transmission. (Stratton—R718, Bahama Island; and Oskey, N.J.)

GSO on 15180 kcs. is on in the evenings now. They landed right underneath the 100 kw. RV96 in Mos-

cow and reception of both is ruined. (Callan—R987, Mass.)

Guadeloupe

FG8AH on 7435 kcs. is the correct call and frequency of the station known as "Radio Guadeloupe." Announcement is made in English at intervals and at close of programs. Schedule is nightly from 6-7:30 p.m. It is heard in the east with good signal, and is a cinch for a new country for the log. The station verifies with a card showing a globe in blue and red. The address: Andre Haan, P. O. Box 125, Pointe-a-Pitre, Guadeloupe, French W. Indies. (Kennally, N.Y.; and Harris—Mass.)

Guatemala

TGX-1 on 6132 kcs. at Guatemala City is heard here at 5:35 a.m. on Sunday. The station also has a special DX program late Saturday night until after 1 a.m. Sunday. (Williams—R552, N.J.; Oskay—N.J.)

TGWA, TGW, TGWB, and TGWC are all broadcasting a listeners program every Monday, Tuesday, Thursday and Saturday from 10-11:30 p.m. They read listeners' letters and play request numbers on the marimba. (Jewell—R834, Ala.)

Haiti

HH2S on 6000 kcs. at Port-au-Prince verified by letter stating that they broadcast every Wednesday at 8:30 p.m. "The Jamaica Magazine" in English. A prize of \$10 is awarded to listeners for letters to the station on the program. (Bacon—R119, B.C.2)

Iraq

HMF on 9690 kcs. Qasr-El-Lahoor Broadcast Station, Bagdad, heard on new frequency after 3 p.m. (Williams—R552, N.J.)

Ireland

"Irish S.W. Station" on 17840 kcs. and 9595 kcs., is often heard with excellent signals especially on 17840 kcs. Schedule is 7:30-9 a.m. on 17 megacycles and 11:30 a.m. to anytime between 4 and 6 on alternate fre-

quencies. (Callan—R987, Mass.; Williams—R552, N.J.)

Irish Shortwave Station on 6810 kcs. heard between 7-8 p.m. Station was not definitely identified, but Ireland was mentioned frequently during the program which was in English. The announcer spoke with a distinctive Irish accent. This may help others who may hear this station. (Jollin—R1018, Mass.)

India

VUD-4 on 15290 kcs. "All India Radio" heard at 9 p.m. broadcasting Oriental music. (Skyten—R786, Mass.)

Italy

IQA on 14795 kcs. is heard mornings at 4:50 a.m. (Oskay—N.J.)

IQY on 11670 kcs., and I2RO-9 on 9670 kcs. also carry the American Hour, though they announce only 2RO-3-4-6 and IRF! (Callan—R987, Mass.)

IRF on 9835 kcs. can be heard in the afternoons working Cairo with a good signal. (Williams—R552, N.J.)

Complete schedule of Rome Shortwave Stations is as follows:

I2RO-3 on 9630 kcs., I2RO-4 on 11810 kcs., and I2RO-6 on 15300 kcs. operate from 6 p.m. to 7:35 p.m. for South America and from 7:30 p.m. to 9 p.m. for North America.

I2RO-6 on 15300 kcs., and I2RO-9 on 9670 kcs. operate from 3-6 p.m. with a program relayed from standard broadcast stations at Rome.

I2RO-8 on 17820 kcs., operates from 5-8:45 p.m. for the Far East and Italian people abroad. (RX)

Japan

JLT-2 on 9645 kcs., and JLG-3 on 11705 kcs. operate for the eastern districts of North America, daily from 8-8:30 p.m. (Gardner—Ohio)

JZJ verified with a card showing a Japanese pagoda and cherry blossoms in the lower left hand corner while in the upper right is a picture of the new Government Building at Tokyo. (Deterly—R622, La.3)

JZK on 15160 kcs. heard on the

morning program from 7-7:30 a.m. Programs usually consist of recordings and news in Japanese. (Williams—R552, N.J.; Skyten—R786, Mass.)

New address for Tokyo stations is: 2-Chome, Uchisaiwaicho, Kojimachiko, Tokyo, Japan. (RX)

Lithuania

LYZ-4 on 15130 kcs. has been heard Sunday afternoons after the sign off of W1XAL at 1 p.m. (Williams—R552, N.J.)

Martinique

Radio Martinique on at 8 p.m. broadcasting classical music with identification at 8:05 p.m. Program for Canadian DXers. English identification always at sign off time. Station requires an IRC for verification card. (Blanchard—R485, N.Y.)

Mexico

XEWQ on 6080 kcs. is the correct call of the station relaying the programs of XEQ. (Daneker—R1122, Pa.)

XEXA on 6132 kcs. at Mexico City verified a report with two very attractive booklets on Mexico. The verification was signed by the mayor. (Daneker—R1122, Pa.)

KEYU on 9600 kcs. in Mexico City is heard regularly between 9-11 p.m. (Williams—R552, N.J.)

Mozambique

CR7AA on 6137 kcs., CR7AB on 3490 kcs., CR7BD on 15240 kcs., and CR7BH on 11718 kcs., operate daily from midnight to 1 a.m., 4:30-6:30 a.m., 9:30-11 a.m. and noon to 2 p.m. Sunday programs from 5-7 a.m. and 10 a.m. to 2 p.m. Address is Box 594, Radio Club de Mocambique, Lourenco Marques, Mozambique. (Jacobs—R519, Ohio).

Netherlands

PCJ (Peace, Cheer, Joy) on 9590 kcs., comes in with a good signal on Tuesday and Friday nights at 9:45 p.m. till about 10:15 p.m. The program is entirely in English. They have a program of outdoor life before they close down; that is, the an-

nouncer, Edward Startz, carries the microphone to the window of the studio, where the cries of the birds and the frogs are heard very clearly. (Long—Ga; Hankins—R7, Pa.1; and Skyten—R786, Mass.)

Newfoundland

VONG on 5980 kcs. at St. Johns is the new experimental shortwave station up here in the North country operating from 8:30 a.m. to 12:30 p.m. and from 4:30 p.m. to 9:30 p.m. (Quinton—R1142, Nfld.)

Nicaragua

YN3DG on 13900 kcs. at Leon, Nicaragua will broadcast announcements in Spatari every Saturday at 10 p.m. Reports on YN3DG will be verified for 10c. (Anna Muzio—N.Y.) YN3DG heard after 10 p.m. on Sunday evenings. (Williams—R552, N.J.)

Norway

LKQ on 11735 kcs. in Lamberster is heard between 11 a.m. and 2 p.m. daily. The old Oslo station on 8025 kcs. is heard experimenting on this frequency and re-broadcasting LLG between 3-6, and 11 p.m. to midnight. (Williams—R552, N.J.)

Paraguay

ZP-14 on 11720 kcs. is heard between 8-9 p.m. with a fair signal. (Williams—R552, N.J.)

Peru

OAX4T on 9560 kcs. in Lima is heard daily between 7-8 a.m. (Williams—R552, N.J.)

Philippine Islands

KZIB on 9490 kcs. at P. O. Box 440, Manila is heard with a fairly strong signal. (Williams—R552, N.J.)

Poland

SPD, SP25, SP19 relay the 6-9 p.m. program for North America. SPW is now off the air due to transmitter troubles. (Callan—R987, Mass.)

Portugal

CSW-5 on 11040 kcs. can be heard during the a.m. on Sunday. (Williams—R552, N.J.)

Romania

"Radio Bucharest" on 15410 kcs.

heard with news in Romanian at 10 p.m. They broadcast from 9-10:15 p.m. They begin with National Anthem by a chorus. No English announcements have been heard. The station uses 50000 watts. (Olthoff, Kans.)

Spain

With the end of the Civil War, several stations (mostly loyalist stations) have shut down and no longer can they be heard. Among those which have been discontinued are the following former loyalist stations:

Radio A. Z., Radio Valencia, Radio Norte EA-4R, Radio Espana, EAR, Valencia (6880 kcs.), EA2BH.

Radio Nacional in Madrid is a new station operating on 7310 kcs. with an irregular schedule.

FET-8 in Spanish Morocco is a new station operating on 7260 kcs. Schedule is from 5-7 p.m.

EA9BJ on 7100 kcs. "Radio ?" in Spanish Morocco recently identified, though they were heard many times previously but never discerned.

EA9ME on 7135 kcs. in Spanish Morocco is another old timer not identified until recently. Schedule is from 4-4:15 p.m.

EA8AE on 7150 kcs. at Las Palmas, Canary Islands is another newly identified station and operates from 4-5:15 p.m.

EA8AS on 7270 kcs. at Teneriffe now relaying EAJ43 Wednesdays from 4-5 p.m. (All the above by Jollin—R1018, Mass.)

EAQ on 9850 kcs. at Madrid heard with R7-8 signal. The Madrid station is heard nightly after 7 p.m. They operate till 7:30 p.m. at which time their carrier is silent for 15 minutes. At 7:45 a bugle and drum march is heard and three gongs sounded, after which the announcer speaks English: "Hello North America, Hello United States, Hello Canada. This is Radio Station EAQ, Madrid with its special broadcast for North America in English." The station uses both male and female

announcers. (Long—Ga.; Skyten—R786, Mass.; Williams—R552, N.J.; Oskay—N.J.; Callan—R987, Mass.)

Straits Settlements

ZHP on 9690 kcs., Singapore, verified by a very beautiful card showing a black, and orange tropical sunset with large black letters BMBC. Verified in two months. (Jewell—R834, Ala.)

Switzerland

Swarzenburg on 9535 kcs., broadcasts for North America between 8-9 p.m. This station does not sign any call letters. (Williams—R552, N.J.)

Swarzenburg on 11867 kcs. heard on first program to North America (partly in English) on a Wednesday from 7-8:30 p.m. They are heard every Wednesday at this hour. (Callan—Mass.)

HBO on 11402 kcs. heard on Sunday evening at 7 p.m. with talk on labor. They identified themselves with some kind of bells for about three minutes before 7 p.m. The program lasted twenty minutes before signing off. (Long—Ga.)

Thailand

Siam is now officially known as Thailand (pronounced tie-land) and all mail to that country should be addressed as such.

Turkey

"Radio Ankara" announced that they would inaugurate a program of information and news about Turkey, commencing on May 6, following the mail bag program around 3:30 p.m.—to be heard Saturdays. (Skyten—R786, Mass.)

Union of South Africa

ZRL on 9606 kcs. at Capetown is now heard signing on the air at 11:45 p.m. with a much weaker signal than heretofore. (Olthoff, Kansas)

U.S.A.

W2XE on 17830 kcs. is now on the following schedule: 6:30 a.m. to 9 a.m. and noon to 5 p.m. daily. Sunday from 7-11 a.m., 11:30 a.m. to 5 p.m. (For Europe)

On 15270 kcs. from 5:30-7:30 p.m. daily. (For South America)

On 11830 kcs. from 8-10:30 p.m. (For South America)

On 6170 kcs. from 11 p.m. to midnight (For South America)

W3XAU latest schedule:

21520 kcs.: 12:30 p.m. to 1:30 p.m.

15270 kcs.: 10:45-11:45 a.m., 2-6 p.m.

6060 kcs.: 6:30-10 p.m. and 11 p.m. to midnight.

W3XAL on 9670 kcs., in Bound-Brook, N. J. is now putting a more powerful signal into Argentina than any other North American station on that band. This is due to the new directional antenna recently put into use by the station. A similar antenna is being made ready for 21630 kcs. for daytime broadcasting to South America. (RX)

W4XB on 6040 kcs. at Miami send a different card from that illustrated in April RADEX. Miami's skyline in the background as seen under palm leaves in the foreground. Card is black and gray. (Flynn—R937, Sask.)

W6XBE on 9530 kcs. is on the air daily from 3-9 a.m. on this channel. (Sawado—R592, Calif.)

W6XBE on 15330 kcs. heard from 5-8 a.m. and 4:30-8 p.m. daily. They have no card yet. (Kerr—Alberta.)

U.S.S.R.

RAN on 15040 kcs. heard at 7:35 p.m. in parallel with RW96 on 15180 kcs., and RAL on 9600 kcs. (Oskay—N.J.)

RV96 on 15160 kcs. heard at 7:30 p.m. but they were very weak. However, at the same time the program was heard on two other frequencies, evidently working in parallel. Both of these, 15000 kcs., and 15190 kcs., were R9. Frequencies are not exact as they were not checked on a well calibrated receiver. (Hankins—R7, Pa.1)

Moscow on 9520 kcs. is heard with program in English at 5 p.m. on Saturday only simultaneously with RNE and RV-59. (Skyten—R786, Mass.)

Two new Russians are still coming

in strong. The one on 9520 kcs. relays Radio Center from 2:15-6 p.m. irregularly. The other, by far the stronger, is on about 9380 kcs. and broadcasts at the time of this writing from 5-5:45 p.m. These two stations combined with RNE, RAN, either RFN or RV59 on 6030 kcs., RKI, and RV96, can all be heard around 5:30 and 6 p.m. daily. (Jollin—R1018, Mass.)

Venezuela

YVA on 5225 kcs. at Caracas can be heard during the early evening playing phonograph records. (Williams—R552, N.J.; and Oskay—N.J.)

YV3GG on 13990 kcs. seems to be a new Venezuelan heard on an announced schedule of Saturday from 10-10:30 p.m. with both English and Spanish announcements. (Scott—R626, Tenn.3)

YV4RO on 4950 kcs. at Valencia heard at 7:58 p.m. announcing as "La Voz de Carabobo." (Olthoff—Kans.)

YV5RM on 5010 kcs. at Caracas heard at 9:52 p.m. with violin music. They relay YV5RV and use 10000 watts. (Olthoff—Kans.)

Yugoslavia

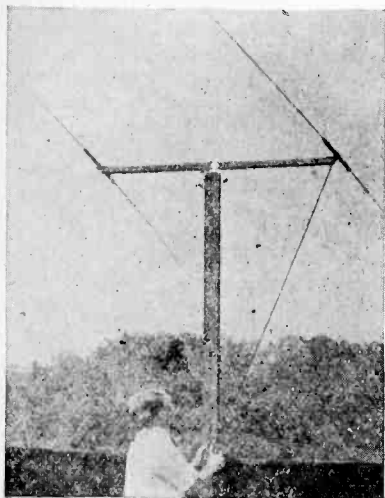
YUA on 6100 kcs. can be heard coming on the air at 12:43 a.m. Programs begin with the National Anthem. (Williams—R552, N.J.)

The Reporters

- R7, Pa. 1.: A. M. Hankins, Latrobe, Pa.
 R119, B.C.2: A. H. Bacon, New Westminster, B.C.
 R133: Carl Forestieri, New York City.
 R184: Carl Eder, Willmar, Minn.
 R185: Anne Eder, Willmar, Minn.
 R451: Chester Roman, Chicago, Ill.
 R453: Jack Kennealey, St. Albans, N. Y.
 R485: R. L. Blanchard, Brooklyn, N. Y.
 R517: J. E. Gardner, Cleveland, Ohio.
 R519: Geo. H. Jacobs, Cincinnati, Ohio.
 R552: M. F. Williams, Newark, N. J.
 R572: Roger Mais, Mishawaka, Ind.
 R592: Bob Sawada, Isleton, Calif.
 R622, La.3: A. V. Deterly, Baton Rouge, La.
 R626, Tenn.3: William Scott, Johnson City, Tenn.
 R679: Charles W. Cooper, Elmira, N. Y.
 R702: A. D. Jordan, Philadelphia, Pa.
 R715: Peter Stratton, Nassau, Bahamas.
 R757: Matthew E. Leshner, Lawrence, Mass.
 R786: Robert Skyten, East Brookfield, Mass.
 R834: G. R. Jewell, Jr., Montgomery, Ala.
 R937: Wm. W. Flynn, Dummer, Sask.

(Please turn to page 94)

NEWS OF WHAT'S NEW



A television antenna (illustrated) with universal joint mounting, permitting adjustments in all directions, is now offered by Technical Appliance Corp., 17 E. 16th St., New York City. This di-pole antenna is constructed of heavy duraluminum rods held together with a center insulator. Precision adjustments are possible in both the horizontal and vertical planes, simply by loosening a nut and then tightening it. A reflector is also available wherever needed.

Hallicrafters' most recent model, known as the Sky rider "Defiant," (illustrated), tunes from 540 to 43500 kilocycles, in four bands. The frequencies covered by each band are as follows: Band 1, 540-1730 kcs. Band 2, 1700-5100 kcs. Band 3, 5000-15700 kcs. Band 4, 15200-43500 kcs. Thus, every band overlaps, and no "in-between" stations are lost. Nine tubes are used; the controls include an R.F. Gain Control, the band switch, a selectivity-A.V.C. switch, a crystal phasing control, band spread, an automatic noise limiter, a pitch control, and "send-recvie," "Phone-Xtal," and a Phone Jack into which may be plug-

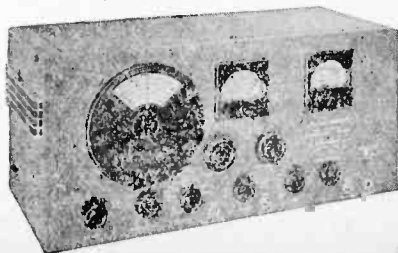
ged any type of high impedance fones, crystal or magnetic.

This model, known as the SX24, operates on 10-125 volts 50-60 cycles, drawing 70 watts at 115 volts. A universal model for 25-60 cycle operation is also available. The antenna input circuit allows the use of either a doublet or inverted L antenna.

The band spread dial of the SX24 is calibrated so that the operator may determine quite closely the frequency of signals on the 10 to 80 meter amateur bands. The outer edge of the dial is marked off in 100 divisions for additional ease in logging.

A television receiver offering seven television bands has been announced by Stewart-Warner. Their Television and Radio Combination, Model T-1210, is a 26-tube console, with 17 high frequency tuned circuits in the television unit, and 8 tuned circuits in the superheterodyne circuit. Among its many features are Magic Keyboard Automatic Tuning for television and broadcast reception, a four-position tone control, automatic volume control, a built-in wave trap, and brightness, contrast and definition controls for maximum image detail. This beautiful receiver is illustrated in this issue of RADEX.

The most ambitious and comprehensive merchandising program in General Electric's radio history was launched in Bridgeport, Connecticut. With television pushed dramatically into the spotlight, and with highly important developments under way in the new frequency-modulation sys-



tem of static-free radio, G-E's new radio and television department began what appears to be the most important year in the radio industry.

In the new G-E line there are 12 table models, 4 consoles, and 3 combinations. A new wired record player unit, a new wireless record player, four battery-type "carryabout" sets, a battery table model, and an auto radio complete the array of sets.

A super "beam-a-scope" has been extended to most of the new sets, eliminating aerial and ground connections and reducing local static. Other features include "feathertouch" tuning, a three-dimension "visualux" dial and an improved tone monitor circuit and tone selector. The receivers also have drift-proof station setting and IF transformer adjustment which eliminates creeping or drifting caused by changes in temperature or humidity.

Three television receiving antennas have been announced for sale to television amateurs and experimenters by RCA. Each of the three antennas is designed to bring in television signals with maximum efficiency under different conditions of reception. Following are descriptions of the aeri-als:

Double Di-Pole, the finest antenna where reflection or distortion are not problems. It provides reception on five channels, 44-50, 50-56, 66-72, 78-84 and 84-90 megacycles, giving fine signal strength and noise reduction. The list price is \$7.50.

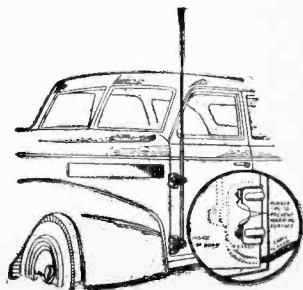
Double Di-Pole with Reflector. This system consists of the previously mentioned antenna, plus a double di-pole reflector. It is used in locations where television signals travel two paths in arriving at the receiver as a result of reflection, thus causing double images and blurring. It gives improved reception from one direction, with rejection of signals from the opposite direction in the ratio of three to one on the 44-50 and 50-56 meg. bands. The list price of the reflector is \$13.50.

The third of the antennas is the Double "V" wire television antenna, designed for installation where signals are good and reflection problems are not encountered. Packed completely assembled, it needs only supports at the ends for installation. This antenna receives on the 44-50 and 50-56 meg. bands. By changing the length of the wires, reception on other channels may be obtained. Ninety feet of transmission line is included with the antenna. The list price is \$4.00.

To assist amateur television enthusiasts and experimenters in furthering television development, RCA has made available a number of parts used in deflecting circuits in receivers employing RCA Kinescopes. Mounting interest in television among amateurs has brought many requests that the parts be placed on the market.

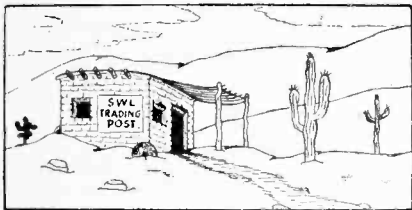
Power transformers, and vertical and horizontal oscillation (feedback) transformers have been made available for use with either the 5-inch, the 8-inch or the 12-inch Kinescope.

Typical deflection and power supply circuit diagrams for all three tube sizes are available from RCA parts distributors, through whom the parts may be obtained.



The outstanding feature of the new ICA Auto Antenna is the fact that it requires no drilling of holes and that they fit all cars. They carry a life lifetime guarantee against rusting as they are made of brass tube, triple chromium plated, and stainless steel rod. A screw-driver is all that is needed to install the aerial. An 8-page illustrated catalog may be had by writing direct to Insuline Corp., 25 Park Place, New York City.

Robert Hays, Box 23, Alturas, California, reads Radex.



Nelson Harrill, 23 Henrietta St., Ellenboro, N. C. (SWL Cards).

Ken Munn, 419 W. Granite, Albuquerque, N. Mex. (SWL cards).

Paul Sampson, 1820 College Ave., Regina, Sask. (Wishes back issues of RADEX, prior to No. 41. Will pay for copies which are in good condition).

Dick Callihan, Box 13, Roseville, Ohio (SWL cards).

LeRoy B. Swanson, 217 N. 15th St., Chariton, Iowa (correspondence).

John Zsembik, Jr., 14520 Bayes Ave., Lakewood, Ohio (SWL cards).

John De Rosa, 661 Ovington Ave., Brooklyn, N. Y. (SWL cards and photos).

H. G. Bardin, 29 Tredeau St., Hartford, Conn. (Correspondence).

James Hodgden, 167 Hamilton Ave., Westerville, Ohio (Correspond with foreign DX'ers).

Guillermo Peron Reyes, Bellavista 59, Camaguey, Cuba (SWL cards).

O. E. Denson, 4009 Second Ave., So., Birmingham, Ala. (SWL cards).

Mr. and Mrs. E. W. Law, 10439 69th Ave., Edmonton, Alta., Canada (SWL cards).

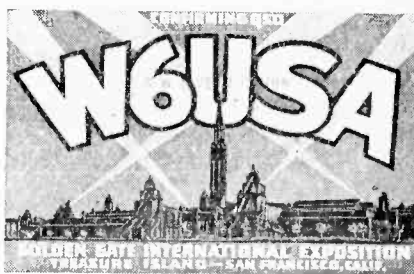
Thaddeus Grabek, 1910 Cudaback Ave., Niagara Falls, N. Y. (SWL cards).

Carl L. Horton, Athol, Mass. (Correspond and trade with stamp collectors).

Earle S. Miller, Box 663, E. Worcester, N. Y. (SWL cards).

Floyd Flater, 316 Campbell Ave., White Bear Lake, Minn. (SWL cards and correspondence).

Mrs. Ora Huff, Jerome, Idaho, reads Radex.



Printed in blue and gold, this card from W6USA is very attractive. The station is located at the Golden Gate International Exposition in San Francisco. (Courtesy of Weston Richards).

NEW BRITISH STATIONS

Two new stations have appeared in Great Britain, known respectively as Start Point and Clevedon. The first of these replaces the West of England Regional at Washford, and the second replaces the Bournemouth and Plymouth stations. Start Point and Clevedon were inaugurated on June 14.

Start Point is located on the coast of South Devon, about a mile from Start Point Lighthouse. The station will serve southern Cornwall, Dorset, the southern parts of Devon, Somerset, Hampshire and Wiltshire, and part of the south coast. The population of this area is roughly 2,000,000. The building, on a 21-acre site, is similar in design to the other high powered BBC stations, but one innovation is a revolving door in the main entrance to avoid the difficulty of handling swinging doors in the face of an Atlantic gale. The aerial consists of two 450 foot towers, 350 feet apart.

Start Point transmits on 1050 kcs. with 100 kilowatts power.

Replacing Bournemouth and Plymouth, the new Clevedon station is now broadcasting on 1474 kcs. with 20 kilowatts. A vertical radiator is used at Clevedon, being 375 feet in height.

HAM HOUNDING . . .

● ● ● By HUGH HUNTEM
(Owen Callin).

PRINCE EDWARD ISLAND, that small but delightful province of Canada, is becoming increasingly known on the amateur band through the operation of three well-known stations there.

VE1HI (One Happy Indian), a brass pounder since 1907, but on 20 meter phone since January of this year, is making his province very well known to those who listen in on 20, through his descriptions of the attractions, resources and industries of the Island. The station is owned by Keith S. Rogers, 84 Hillsboro St., Charlottetown.

VE1BZ, also in Charlottetown, is very well known among amateurs in the United States, the British Isles and the British West Indies, where the operator and his XYL both have many friends and acquaintances. 1BZ's address is Box 249.

Ten years a DXer, five years an amateur, is the boast of Anthony Arsenault, VE1FR, Box 444, Summerside. He tells us that he is working now on 3660 kcs., and that he will QSL 100%.

The Fair Station

The amateur radio exhibit at the San Francisco Fair is probably the busiest ham station in the world these days. Since the Exposition opened, 25 zones on phone and 25 on CW have been worked; 60 countries on phone and 65 on CW. These include a total of 4000 contacts. In addition to these contacts, about 25 reports a day are received from SWL's, all of which are answered. The staff operators at W6USA are Bob Hanson, W6MPC, and John Woerner, W6ONQ.

If you like RADEX why not tell your friends? When an article in this magazine strikes you as being unusually good, please tell your friends to get a copy at the newsstand, and read it.

William Wagner of K7AZS in Anchorage, Alaska, sent us some very interesting information about this northern territory. Anchorage is on Cook's Inlet, Bill tells us, but the tides are so great and the harbor so poor that this city is not considered a seaport, being almost entirely served by the Alaska Railroad, operating from Seward to Fairbanks. The climate there is not bad. Although the temperature occasionally gets down to 30 or 40 degrees below zero in the winter, the summer is nice. There is plenty of hunting and fishing, and there are several hundred miles of good gravel roads, kept open throughout the winter. The population of Anchorage is about 2500. Most of the homes are modern, with heating plants, electricity, city water, telephone and sewers. There is a first class talkie theater, good schools, modern stores and business houses. Bill is chief engineer at KFQD, the farthest north broadcasting station in North America.

Ham Notes by Readers

Weslon Richards of Winthrop Harbor, Ill. received a verification from CT2BP in about a month's time. It was a QSL card and a travel folder about the Azores. His address is Florencio Terra, Jr., Horta-Fayal Airport, Horta-Fayal, Azores. Travel folders from Southern Australia were received along with a QSL card from VK5RN in Mount Lofty, South Australia. A veri was received from VP6YB in three weeks, and one from HP1A in twelve days. One of the most famous of all amateur cards, from K6OJI, pictures an Hawaiian girl. SWL's should send a dime when requesting OJI's card. According to the Irish QSL Manager, EI1A is an outlaw station.

Harold Satterthwaite of Los Angeles tells us that Chinese XU8RB has a very unique QSL card, one



Motor truck trailer and two supply trucks which, together with a sedan, will be used in the Thaw Asiatic Expedition. All are equipped with General Electric communication-type radio transmitters and receivers.

worth having. Reports to XU8RB should be sent direct, to R. J. Broadway, House 6, Lane 159, Seymour Road, Shanghai.

The Cleveland Radio Club, through its capable publicity director, Jack Gardner, has arranged for special transmissions from Latvian amateur YL2CD. On September 10, 17 and 24, YL2CD will transmit on 14040 kcs. during the first ten minutes of the day, from 12:00 to 12:10 am, EST. In November, on the 12th and the 19th, he will transmit on 28080 kcs. from 10 until 10:10 am, EST. YL2CD is owned by A. Vitolijs, Miera-iela 52-5, Riga, Latvia.

The Trans-Asian Expedition

The four mobile units in the Lawrence Thaw trans-Asiatic Expedition will be able to maintain contact with

each other even when separated by distances as great as 200 miles, it was found in making final tests of the equipment as the caravan headed east from Detroit.

The radio equipment for this expedition, designed and built by General Electric, will permit short distance transmission and reception between each of the two trucks, the trailer and the cruiser sedan, by the use of ultra-high frequency transmitters and communication-type receivers. The system is similar to that used in two-way police radio.

Two medium-wave transmitters and receivers have also been installed in the sedan and trailer. This equipment is powered by standard car batteries. Antennas for the UHF sets, those that will be used while the cars are in transit, are of the one-quarter wave fishpole type, while a 128-foot strand of wire strung from the transmitter to a collapsible 30-foot pole will act as antenna for each of the two medium frequency stations.



Lawrence Thaw inspecting the transmitter in one of the automobiles he will use in crossing Asia.

The expedition left New York on June 21 aboard the "President Roosevelt," and will go to Paris, where the 14,000 mile tour will begin. The trip will include Budapest, Istanbul, Damascus, Baghdad, Herat, the Khyber Pass, Delhi, Calcutta, and finally, Bombay, which will be reached sometime in the spring of 1940.

Radio Amateur Call Book

LATEST EDITION

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

We pay the postage.

RADEX
362 Cedar Lane,
TEANECK, N. J.



\$1.25

The deluxe trailer might well be called a travelling hotel for all its refinements and appointments. Air conditioned throughout, it includes a tiled bath, indirect lighting, a lounge, sleeping compartments with mattresses of sponge rubber, a vacuum cleaner, washer, ironer, toaster, and many other electrical devices.

Mrs. Thaw, a veteran traveler, will accompany her husband on this trip, as well as a photographer and an engineer.

The radio stations, according to the FCC, are licensed to the Trans-Asia, Inc., call letters W10XJP, XJQ, XJR and XJS. Using 15 watts, the frequencies will be 3492.5 and 31140 kilocycles.

Amateur Calls Heard

The names and addresses of persons reporting stations shown in this list are indicated by small letters following the call signs. Key to the small letters is given at the end of the column. On 20 meters, only calls heard by more than one person are listed.

Ten Meters

(Reported by Walter E. Welch, Lynn, Mass.) H17G; H17GW; HK3CO; HR5C; K4DDH; K4EIL; K4EXT; K4EZR; K4FAY; K4FDC; K4FRN; K4FSP; LU1DA; LU1QA; LU4BC; LU4DJ; LU7BJ; VP1BA; VP3CO; VP5YB.

Twenty Meters

CE1AC (iq); CE1AH (jq); CE1AM (fikq); CE1AO (fjgklsq); CE1AS (eiklq); CE2BX (ejk); CE3AC (kj); CE3AT (gq); CE3CO (fgki); CE4AC (gt); CN8AM (p); CT1AY (ademt); CT1PM (ci); CT2BP (cqt); CX2CO (ghjklmqt); EA7BA (cghmqt); EA9AH (hj); E12L (cdem); E13J (eu); E14L (en); EK1AF (cfmt); F81A (qt); F8BP (et); F8K1 (et); F8NT (ceqqt); F8QD (et); F8VP (ceqqt); G12CC (eqt); GM2SL (em); GM2UU (ent); GM6RG (det); GM6WD (cenng); G8M8N (cet); GW3AX (et); GW3KY (eqt); GW5PH (et); GW6JW (de); G2AK (et); G2AV (et); G2DV (et); G2HK (nt); G2PU (cefkqt); G2VG (ce); G2WD (nq); G2XN (emt); G3BM (cet); G3CP (ct); G4AS (et); G51J (cemt); G5BM (cet); G57O (cht); G57U (cehkt); G5ML (cdet); G5Q1 (et); G5QN (et); G5SO (et); G5TP (qt); G6BW (cqt); G6BY (ht); G6DL (et); G61A (mt); G6LK (et); G6ML (m); G6VX (eqt); G6WT (ct); G6WU (ct); G6XR (et); G8OF (et); G8WS (emt); HB9DO (et); HC1FG (gjk); HC2CC (dqst); HC2HP (kmg); H112B (acdefghijkqt); H112HB (cefkqt); H112LD (dt); H14AS (deft); H115PA (cefhkqt); H112K (ek); H112T (kt); H13N (ekt); H14O (eg); H15X (bdefq); H117G (cdfghqt); H17I (ce); HK1AG (go);

HK1AK (jkt); HK3CG (egijknqt); HK3CL (bdegkqt); HK3CO (cfigjkt); HK4DC (fijkqt); HK4DF (fkt); HK4DX (fgkq); HK4EA (fjq); HK5AR (dt); HK5EJ (qt); HP1A (egkq); HR2A (kq); HR5C (dejm).

I1TKM (epu); KA1AF (gr); KA1CS (gk); KA1FH (gk); KA1HS (gk); KA1ME (enr); KA4LH (kq); KA7EF (gkq); K4DSE (fg); K4EJF (deft); K4EMG (cefkqt); K4ENT (efh); K4FAY (bedefghijkqt); K4FKC (deifjogst); K4SA (def); K4UG (fs); K6JNR (fgst); K6CMC (gkq); K6LAE (fgkq); K6LW (jq); K6JLV (fg); K6KGA (gq); K6LEJ (fgiq); K6LKN (gq); K6MTE (gq); K6MVA (gkt); K6NYD (fgijmqt); 6OJI (fgkq); K6QE (gkm); K6O7H (gq); K6PCF (gq); LUIDA (eqt); LU1HI (igt); LU1QA (jt); LU4AH (em); LU4CZ (en); LU5CZ (fgpqt); LU7BU (gq); LU8AB (gjkpqt); LY1J (em); NY1AA (efjmqt); NY2AE (jt); NY4AB (fs); OA4C (jq); OA4R (fg); ON4HS (ceq); ON4VK (ck); PAoAD (et); PAoDR (et); PAoEH (cp); PAoEO (et); PAoMZ (cet); PK4KS (nq); PK6XX (bfghklmqt); PY1AZ (fk); PY2AC (efghkqt); PY2AK (dt); PY2BH (fgkt); PY2DN (ft); PY2GC (cefkqt); P21T (km); PY2LN (hm); PY4CT (gt); PY7A1 (fgkt); SM5SI (ct); SU1MW (cemu); SV4KE (npt); TG5JG (cfghkqt); TG9AA (fhikq); TG9BA (afghkqt); T12AC (gj); T12AV (cjt); T12FG (eqt); T12LR (fq); T12RC (cfghkqt); T12RH (cijq); T13AV (ekm); U1BW (pq).

VK2ADV (bm); VK2AGU (kq); VK2OG (bk); VK2UC (fkt); VK31W (kn); K4AD (gk); VK41P (knyrt); VK4JU (ogs); VK4KH (fk); VK4PF (lqt); VK4VD (kr); VK5FL (gh); VK6LH (kt); VO1Y (cet); VP1BA (defghijkmqt); VP1DM (jq); VP1WB (acfgijkmqt); VP2LC (cefin); VP3CO (cefhijkmqt); VP3LF (afgijmqt); VP5TS (kr); VP6FO (bdefgikt); VP6LN (deft); VP6MR (et); VP6TR (cht); VP6YB (bdefgijkmqt); VP7NC (gq); VP7NS (cedefhklqt); VP7NU (cfkqt); VP9G (bcefgkqt); VP9L (deqt); VP9R (adefgij); YN1IP (cedefgqt); YV1AP (ct); YV1AQ (cfehmqt); YV3AQ (ci); YV4AA (dqt); YV4AE (cdefghijqt); YV4AL (eq); YV4AX (cg); YV5ABF (cdefgqt); YV5ABQ (aefht); YV5ABY (defjqt); YV5ACA (qt); YV5AK (cfehmqt); ZS2AZ (en); ZS4H (emnt); ZS5BZ (ac); ZS5Q (chmqt).

The Reporters

- (a) C. R. Bender, Pittsburgh, Pa.
- (b) Frank Billingsley, Jr., Ellenboro, N. C.
- (c) R. L. Blanchard, Brooklyn, N. Y.
- (d) Arthur E. Blick, Toronto, Ont.
- (e) Philip Craig, Waterville, Maine
- (f) George Cryder, Delaware, Ohio
- (g) John Fasnacht, Shreveport, La.
- (h) A. M. Hankins, Latrobe, Pa.
- (i) Lewis Hill, Maywood, Ill.
- (j) Wm. Jones, Dallas, Texas
- (k) Ralph Kastner, New Braunfels, Texas
- (l) Kenneth Munn, Albuquerque, N. Mex.
- (m) George Nahas, Brooklyn, N. Y.
- (n) Wm. O'Connell, Torrington, Conn.
- (o) Martin Olthoff, Independence, Kans.
- (p) George Poulain, Sydney, N. S.
- (q) Weston Richards, Zion, Ill.
- (r) Harold Satterthwaite, Los Angeles, Cal.
- (s) Bill Scott, Johnson City, Tenn.
- (t) Walter E. Welch, Lynn, Mass.
- (u) Wm. Wells, Hamilton, Ont.

DXer's Picture Gallery



JOHN DE ROSA

"Strictly a sw DXer," John styles himself. He has all continents verified, but considers his card from JDY as his best catch. He does most of his listening on 20 meters, using a Howard 450-A communications receiver with a 20-meter vertical antenna. He is an ardent SWL card and photo exchanger, possessing over a thousand cards from SWL's in all 48 states and about 40 countries. He also swaps shack photos. He is Vice-President and a member of the Board of Directors of the NRC, and a member of the Brooklyn Chapter of The Radex Club.

are verified, and on the shortwaves his log totals 2180 stations (amateurs, police, commercials, etc.). He is using a Philco 16X at the present time. His clubs are The Radex Club (R86) and the NNRC.



**Mac
Elwyn
Van**

The KSL programs for DXers are prepared and announced by this listener and member of The Radex Club. He has been DXing for two years.



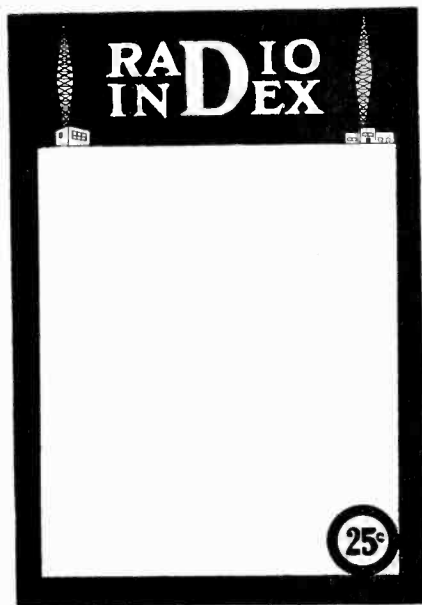
SANFORD MORRIS

This Metuchen, N. J. DXer has been tuning since 1927, listening to the shortwaves as well as the broadcast band. On the broadcast band he has heard 753 stations, of which 167



Serglo Gonzales L. of Cardenas, Cuba.

ACROSS THE EDITOR'S DESK



A NEW COVER NEXT MONTH

NEXT month you will find your copy of RADEX in a new dress. The familiar Radio Index indicia will be flanked by radio towers, and the cover girl will be gone, to make room for the table of contents. The new cover is illustrated on this page.

With the contents on the cover, we shall have an extra page in the magazine for reading matter. Revision of our North American indices by locations and by call letters makes it possible to put both these lists in the space formerly occupied only by the call letter list. Thus ten extra pages have been gained, providing room for a column specially written for our west coast readers, and for a complete listing of the world's radio stations from 500 kcs. to 500,000 kcs., which will run in serial form, commencing with this issue. We plan to devote at least six pages to this list each month.

MOST important news of the month is the appointment of Anthony C. Tarr, well-known Seattle DXer, as our West Coast Editor. Appointment of Mr. Tarr to this post fills a long-felt need for representation in RADEX of our many western readers. With three thousand miles separating our two coasts, reception on the west coast is naturally vastly different from east coast reception, and can be most adequately described only by a writer living there. Mr. Tarr is one of the country's most successful tuners, having had remarkable success on both the broadcast band and shortwave bands, and is a radio writer with wide experience. Mr. Tarr's columns, the first of which appears in this issue, will cover the activities of listeners in the Mountain and Pacific Standard Time zones.

PRIZES

A three-year subscription to RADEX and a Verti-Flex aerial will be given to the person who writes the best short article for RADEX on the topic

FISHING WITH YOUR RADIO

Fishing for fish and fishing for DX are so nearly similar that our fisherman-readers should find it easy to write an article on this subject. Whether one's activities are piscatorial or radio, one seldom knows what he is going to get until he gets it, and, having gotten it, his friends seldom believe him unless he has proof, in the form of a fish or a verification.

Sale of KEHE

Official word has finally been received that the long-awaited sale of KEHE (Los Angeles) to Earle C. Anthony Inc. has been approved by the FCC. The application for transfer of ownership of the station was filed on April 7, 1938. The Anthony Corporation will continue to operate the station under its call letters

KEHE, and the Anthony offices will be moved to 141 North Vermont Ave.

Possession of KEHE gives the Anthony Corporation three stations in Los Angeles. One of their stations, however, KECA, was sold on April 12, 1938, to Warren B. Worcester, of San Diego, and we believe that now, with the approval of the sale of KEHE, that the KECA sale will also be approved, and this station moved to San Diego.

Special Programs

Jack Gardner of Cleveland, Ohio, advises us that the Turkish shortwave station TAP broadcast a program on July 29 which was dedicated to the readers of this magazine and three of the nation's leading radio clubs. This same reader also advises that a program from HCJB, Quito, Ecuador, was broadcast for several radio clubs on July 25, on the new frequency of 12460 kcs.

Professor Carlo Spatari, the founder of the Spatari Language Foundation, has arranged for a special broadcast from TG2, Guatemala City, to be dedicated to RADEX on Sunday morning, October 29, from 1 to 2 am, EST. A letter from Col. Eduardo Perez F. of TG2 concerning this program states that TG1 on 1310 kcs., and TG2 on 6190 kcs. will both be used. All listeners are urged to report on these programs. Return postage will not be necessary for verifications, as their cards are sent out "absolutely free." The new card used by this station is printed in the Spatari International Language. They are very attractive, in three colors with a superimposed view of a Guatemalan highway. Reports to TG2 should be addressed to Col. Perez, Director General of Communications for the Republic of Guatemala.

Prof. Spatari has also made tentative arrangements for a special program from YN3D on October 15. Full details on this program will be published as soon as available.

When writing for verifications, radio fans should always send return postage, unless specifically requested not to do so. Return postage to foreign countries can be sent in the form of International Reply Coupons, available at any post office for nine cents each. In some countries, however, Reply Coupons are not honored (Costa Rica, Dominican Republic, Germany, U.S.S.R. and Italy) so the Return Postage Bureau has been formed for the purpose of supplying DX fans with unused postage stamps from most of the countries of the world. These stamps are cheaper than Reply Coupons. Readers who wish to avail themselves of the opportunity of obtaining unused stamps, always acceptable in the country of their origin, at reasonable prices, should write to the Return Postage Bureau, 85 Francisco Ave., Rutherford, N. J. for their latest price list.

*Some
New
Stations*



The first information we have had on the construction of a new radio station comes from Fred T. Corrin of Bisbee, Ariz., and along with the information comes a unique offer of a unique prize.

Mr. Corrin reports that construction is well along, of a station at Creg-na-Baa, near Douglas, Isle of Man. According to the Isle of Man "Times", this station will employ three frequencies, at the present time unknown.

Readers of this magazine will find it worth-while to keep a sharp look-out for this station, because Mr. Corrin has offered to donate a pair of Arizona brass plaques to the first DXer who reports reception of this station. The plaques will bear the Manx coat of arms, the "Legs of Man." Reports

should be sent to RADEX and we will give Mr. Corrin the name of the first reporter.

The new Canadian Prairie Station, CBK, was opened on July 29, with ceremonies heard over the National Network from 10 to 10:30 pm, EDST. The ceremonies at Watrous were under the direction of John Kannawin, Master of Ceremonies, and others participating were the Hon. C. D. Howe, Federal Minister of Transport, Leonard W. Brockington, K. C., who spoke from London, England, and William S. Paley, president of the Columbia Broadcasting System, who spoke from New York. The Premiers of the three prairie provinces also took part—Hon. W. J. Patterson for Saskatchewan, Hon. John Bracken for Manitoba and Hon. William Aberhart for Alberta.

CBK transmits on 540 kcs. with 50 kilowatts power. The final letter "K" of the callsign commemorates Henry Kelsey, doughty explorer and fur trader, who fought the great d'Iberville for the mastery of Hudson's Bay toward the close of the XVIIth Century. Kelsey was the first white man to see the Prairies.

The Department of Transport advises that a new Canadian station is CKLN, owned by F. F. Payne of Nelson, B. C. The frequency is 1420 kcs., and the power, 100 watts.

Two more countries have sent official lists of their radio stations, both of them coming a little too late to incorporate in our regular indices.

The Ministerio del Trabajo y de Comunicaciones of the United States of Venezuela (S. Alegrett, Director) advises us, as of July 15, that the following stations are in use in Venezuela:

Shortwaves

- YVIRJ—"Radio Falcon," Coro, 4975 kcs.
 YVIRL—"Radio Popular," Maracaibo, 4860 kcs.
 YVIRO—"Radio Trujillo," Trujillo, 4780 kcs.

- YVIRU—"Radiodifusora Maracaibo," Maracaibo, 4810 kcs.
 YVIRV—"Ecos del Zulia," Maracaibo, 4800 kcs.
 YVIRX—"Ondas del Lago," Maracaibo, 4890 kcs.
 YVIRY—"Radio Coro," Coro, 4910 kcs.
 YVIRZ—"Radio Valera," Trujillo, 4850 kcs.
 YV2RN—"La Voz del Tachira," San Cristobal, 4870 kcs.
 YV3RN—"Radio Barquisimeto," Barquisimeto, 4820 kcs.
 YV3RX—"La Voz de Lara," Barquisimeto, 4990 kcs.
 YV4RO—"La Voz de Carabobo," Valencia, 4950 kcs.
 YV4RP—"Radio Valencia," Valencia, 4930 kcs.
 YV4RQ—"Radio Puerto Cabello," Pto. Cabello, 5020 kcs.
 YV4RX—"Radio Maracay," Maracay, 4840 kcs.
 YV5RH—"Ondas Populares," Caracas, 4830 kcs.
 YV5RK—Caracas, 5000 kcs.
 YV5RM—"Radiodifusora Venezuela," Caracas, 5010 kcs.
 YV5RN—"Radio Caracas," Caracas, 5040 kcs.
 YV5RO—"La Voz de Venezuela," Caracas, 4940 kcs.
 YV5RS—"Radio Libertador," Caracas, 4960 kcs.
 YV5RT—Caracas, 4980 kcs.
 YV5RU—"Estudios Universo," Caracas, 4920 kcs.
 YV5RY—"La Voz de la Esfera," Caracas, 4790 kcs.
 YV6RT—"Radio Bolivar," Ciudad Bolivar, 4900 kcs.
 YV6RU—"Ecos del Orinoco," Cdad. Bolivar, 4880 kcs.
 YV3RF—"La Voz del Llano," Acarigua, 3480 kcs.
 YV5RV—"Emisora Vargas," La Guaira, 3500 kcs.
 YV5RW—"Radio Turmerito," Caracas, 3400 kcs.
 YV6RC—Barcelona, 3450 kcs.

- YV1RT—"La Voz de la Fe," Maracaibo, 4770 kcs.
Broadcast Band
- YV1RA—"Ecos del Zulia," Maracaibo, 1500 kcs.
- YV1RC—"La Voz de la Fe," Maracaibo, 1400 kcs.
- YV1RD—"Radiodifusora Maracaibo," Maracaibo, 1153 kcs.
- YV1RF—"Ondas del Lago," Maracaibo, 1120 kcs.
- YV1RK—"Radio Popular," Maracaibo, 1250 kcs.
- YV2RB—"La Voz del Tachira," San Cristobal, 980 kcs.
- YV3RC—"La Voz de Lara," Barquisimeto, 1270 kcs.
- YV3RE—"Radio Barquisimeto," Barquisimeto, 1475 kcs.
- YV4RA—"La Voz de Carabobo," Valencia, 1350 kcs.
- YV4RE—"Radio Valencia," Valencia, 1400 kcs.
- YV4RG—"Radio Maracay," Maracay, 1153 kcs.
- YV4RI—Valencia, 1450 kcs.
- YV4RI.—Maracay, 1430 kcs.
- YV5RA—"Radio Caracas," Caracas, 960 kcs.
- YV5RB—"Radiodifusora Venezuela," Caracas, 1200 kcs.
- YV5RE—"La Voz de Venezuela," Caracas, 1110 kcs.
- YV5RG—"Ondas Populares," Caracas, 1010 kcs.
- YV5RI—"La Voz de la Esfera," Caracas, 1370 kcs.
- YV5RL—"Radio Turmerito," El Valle, 1160 kcs.
- YV5RQ—"Radio Libertador," Caracas, 882 kcs.
- YV5RR—"Estudios Universo," Caracas, 1330 kcs.
- YV5RZ—"Emisora Vargas," La Guaira, 1050 kcs.
- YV6RA—"Ecos del Orinoco," Ciudad Bolivar, 1400 kcs.
- YV6RD—"Radio Bolivar," Cdad. Bolivar, 1450 kcs.
- YV6RE—"Ondas del Neveri," Barcelona, 1080 kcs.
- YV4RR—"Radio Pto. Cabello," Puerto Cabello, 1490 kcs.
- The Government Radio Inspector of Costa Rica, Sr. Luis H. Andres, sends us a list, correct as of June 16, of the Costa Rican stations. This list follows:
- 575 T15CV—"Ecos del Poas," Alajuela.
- 605 T1GPH—"Alma Tica," San Jose.
- 625 T1PG—"La Voz de La Victor," San Jose.
- 650 T1GPH—Under Construction.
- 690 T1GH—"America Latina," San Jose.
- 725 T14NRH—"La Voz del Comercio," Heredia.
- 750 T1NG—"Reina del Espacio," San Jose.
- 775 T1LJ—"San Jose," San Jose.
- 800 T1XD—"Voz de la Republica," San Jose.
- 830 T1EP—"La Voz del Tropico," San Jose.
- 860 T1EMC—"Radio el Mundo," San Jose.
- 880 T1LS—"Para Ti," San Jose.
- 990 T1AFB—San Jose.
- 925 T1RS—"Athenia," San Jose.
- 940 T1OS—"Titania," San Jose.
- 1000 T1FA—"La Voz de Italia," San Jose.
- 1030 T1SMG—"Radio Costa Rica," San Jose.
- 1070 T1NBC—Under Construction.
- 1200 T1RCC—"Accion Catolica," San Jose.
- 1225 T1GPH2—"Nueva Alma Tica," San Jose.
- 5824 T1GPH—"Alma Tica," San Jose.
- 6035 T17RVM—"La Voz del Guanacasto," Las Juntas.
- 6150 T1EMC—"Radio el Mundo," San Jose.
- 6165 T1LS—"Para Ti," San Jose.
- 6550 T1RCC—"Accion Catolica," San Jose.
- 6700 T1EP—"La Voz del Tropico," San Jose.
- 9615 T1PG—"La Voz de la Victor," San Jose.
- 9692 T14NRH—"La Voz de Costa Rica," Heredia.

QUESTIONS—ANSWERS

M. G., Evanston, Ill., complains: "My Zenith 6S321 whistles on either of two local Chicago stations. It has always acted this way. Why is it?"

Answer. This high-fidelity receiver has an intermediate frequency of 455 kilocycles. The difference between the two interfering stations is 400 kilocycles, which is very close to the i. f. of your set. Since the receiver is tuned broadly to high-fidelity, the beat note of 400 kilocycles created by the two waves from the local stations is enabled partially to pass through the i. f. transformers. As a result you hear a heterodyne note or whistle interference. Reducing the high fidelity arrangement of the receiver will help, but it will also impair the full tone on all notes. This, of course, is better than the interference. The tuning system must be made more selective, either through the replacement of the i. f. transformers or the addition of a stage of pre-selection. The latter is possible, but perhaps a simple wave-trap will serve to tune out the unwanted station of the pair when the other is being received.

E. B. C., of Silver Spring, Md., asks: "What is wrong with my RCA model 143 when nothing comes from 140 to 190 kilocycles on that band?"

Answer: The long-wave band, especially devoted to aviation and weather broadcasts, is not as sensitive as the shorter waves; however, you should get fairly good response. The contacts on the band switch must be cleaned and tightened, tubes checked, and the long-wave coil examined for defects. If this band remains dead, provided there are stations operating within it, a good serviceman is your answer. He will check the padding condenser and its series condenser on the rear wall of the chassis for shorts or broken connections.

From Seattle, Wash., A. C. T., writes: "A serviceman claims that it's impossible to align my Pierson-DeLanc set because after the tuning condenser is fully enmeshed it begins coming out again before the end of the dial is reached and movement stopped. Is this so?"

Answer: Of course, tuning condensers should stop entirely when they are fully meshed with the stationary plates. A small stop should be part of the unit for this purpose. However, even if the condenser does move on again a short distance and the frequency increases slightly, this should not interfere with an aligning operation. The serviceman should determine when the condenser is fully tuned and make his frequency adjustments accordingly. But this is a little more work than he may want to perform. Why don't you rearrange the stop to prevent this passage beyond the maximum capacity position or make a little lock? It should be a simple thing for you.

Away up in Newfoundland, M. P., wants to know: "I am building a set to use two-volt tubes. Is it possible to build a power pack so that the set can be operated from a six-volt storage battery?"

Answer: You can not build a power pack for this purpose, unless you first use a vibrator to break the direct current into 60 pulsations a second; then step it up to high "B" voltage with a transformer; filter it smoothly for use on the plates and speaker. We suggest that you use a resistance to reduce the 6 volts to 2 volts, and procure "B" batteries for the rest of the circuit if such is practicable in your region. You can purchase, however, from some of the larger mail order radio houses.

Alexander D. Hart, 309 East Green Street, Gallup, New Mexico, reads Radex.

Forestry Radio In British Columbia

By Robert V. Mauris

THE inauguration of a Forest Radio System for British Columbia, Canada's heavily-timbered western province, dates back to the year 1928, at which time three or four experimental stations were in operation by the Department of Lands, with a view towards coordinating forest intelligence throughout the province. Some idea of the success attendant on early efforts may be gathered with the realization that today, with a network comprising some forty-eight field stations, eight radio-equipped patrol launches and numerous portable transceivers, the British Columbia Forest Service claims virtually complete coverage of all Forest Districts throughout the province.



Portable BCFS set on top of Mt. Lavina (8000 ft.) near Kaslo, B. C. With "built-in" speaker for "standby" operation, these units are unusually efficient, and have a conservative rating of six hours continuous transmission, or up to sixty-five hours with long-life batteries.

Departmental field organization being extremely flexible, the use of short-wave radio appears at its best. A number of separate entities known as Ranger Districts are under the general direction of a Supervisor, assisted by Forest Rangers, Assistant Rangers, patrolmen and dispatchers. Radio, used extensively on look-out and patrol duty, has proved of tremendous value in fire-prevention work with the aid of portable transceivers. These light-weight units, combining transmitter and super-heterodyne receiver, average less than twenty-five pounds and have a carrier power of two watts. Their range, normally limited to thirty miles, often exceeds one hundred or more under most favourable atmospheric conditions. Complete with nine tubes, 'phone or c.w., such a transmitter includes a special 144-volt "stick-type" "B" battery and a 3-volt "A" battery, operating from a one-hundred-foot inverted "L" antenna. Permanent or semi-permanent use of such a set requires 180-volts "B" supply with filament voltage from three dry-cells.

Directly coordinating the network in the coastal area is the one-hundred-watt installation at Campbell River, which works in conjunction with a twenty-five-watt transmitter at Thurston Bay, site of the launch repair shops. Forestry boats, reporting three times daily, are directed and controlled from these stations.

At this point it is interesting to note that all permanent field sets, while portable from a purely physical standpoint, are classed as "fixed" stations by the licensing authority. The Radio Division of the Department of Transport, on authorizing Forest Radio, issues licenses to the Department of Lands covering all permanent and portable stations. To the operators of any such stations who are not possessed of a Certificate of Proficiency, the Department grants 'phone privileges if approved by the Minister of Lands. It is seen that by this means, individual operators' licenses are unnecessary for transceiver operation, the responsibility resting on the Forest Branch for proper operation of their stations. All trans-

mitters work at present on "spot" frequencies of 3430, 1630 and 1688 kilocycles, 3430 being popularly favoured for field sets, launches using the wave most suitable to effect consistent schedules in the territory concerned. Certain defined areas in British Columbia are "NG" so far as radio is concerned, as witness that portion of the coast in the vicinity of Seymour Narrows. Conditions here appear so erratic as to make consistent communication somewhat irregular. Much experiment has been necessary to perfect a reliable system for transmission in such localities.

The question of 'phone vs. c.w. arises in Forest Radio as in nearly all branches of radio communication. In British Columbia, radiophone is used almost exclusively for shore-to-ship traffic. However, of a total of eight launches, five use code. The reason for this is partly the difficulty of "getting through" with 'phone under adverse conditions; also because much greater power is necessary for this type of service, and space is at a premium on board a forty-foot launch. Field stations, on the contrary, use 'phone extensively. The look-outs report fires, order supplies, etc. by this means, a receiver being left "open" in times of hazardous condition of the forest cover. Transceivers, especially, are more adapted to 'phone; c.w. is never used with these portables, voice communication being found entirely satisfactory.

Rare indeed is that radio station, which, although licensed and designed for its own particular correspondence, has seldom, if ever, been placed in a position to render a notable public service. Forestry transmitters are no exception to this rule, the British Columbia net having several instances on record of engaging in other than routine communication. On the coast, personal and emergency mes-

sages are occasionally received, delivery being effected without charge. To cite one instance—at Lardeau, in south-eastern British Columbia, a field operator radioed ahead to Kaslo for hospitalization of an elderly rancher badly mangled by a bear. A Forestry launch transported him down Kootenay Lake to a waiting ambulance, the timely aid being credited with saving his life.

While, of course, forecasts of short-wave development seem premature in the face of rapid progress of the art, one may at least say that, in the light of present trends, Forestry Radio in British Columbia is here to stay.

The fixed stations which are licensed to the Honorable the Minister of Lands for British Columbia, are listed below:

Baldy Mountain, CY6S
Campbell River, CJD
Dome Creek, CY7E
Duck Lake, CY7B
Eutsuk Lake, CY5H
Nanaimo, CY7A
Nanaimo, CY7C
Penticton, CY6R
Powell River, CY7D
Prince George, CY2F
Tahtsa Lake, CY5F
Thurston Bay, CJD

The launches are:
"Cottonwood," VGLP
"Eunice B," VGYR

(Please turn to page 88)



Lookout tent, with masts for radio, on Bainbridge Mountain, (4000 ft.) near Port Alberni, B. C.

The SHORTWAVE STATIONS

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

Time is Eastern Standard. Add 1 hour for Eastern Daylight. Subtract 1 hour for Central, 2 hours for Mountain and 3 hours for Pacific.

- | | | | |
|-------------|------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 2320 TGWC | Guatemala City, Guat. 1 kw. See TGWA. Sun, 10:30 am-5:15 pm; 7 pm-midnight. Other days, 7:45-9 am; 12:45-3:45 pm; 7:30 pm-12:15 am. | HJ6FAI | Ibague, Colombia. 501 w. "Ecos del Combeima." |
| 2340 HIOA | Panama City, Panama. "Ron Dalley." 6-10 pm. | 4805 IJ6FAB | Manizales, Colombia. 501 w. "Radio Manizales." |
| 2437 HRN | Tegucigalpa, Honduras. 500 w. Noon-1:30 pm; 7-10:30 pm. "La Voz de Honduras." | 4815 HJ2BAB | Cucuta, Colombia. 600 w. Relays HJ2BAC, "La Voz de Cucuta." |
| 2500 NEXP | Monterrey, N. L. 30 w. "Presidencia Municipal." | 4825 HJ5EAD | Cali, Colombia. 720 w. "La Voz del Valle." |
| 3480 ZZB | Wellington, New Zealand. 200 w. At 7 am. | 4835 HJ1ABE | Cartagena, Colombia. 525 w. Relays HJ1ABF, "La Voz de los Labs. Fuentes," Apartado 31. |
| 3488 NZZ | Rangoon, Burma. 50 w. W. J. Byrnes, Burma Independent Wireless Sub-Division, Strand Road. | 4840 VUC2 | Calcutta, India. 10 kw. 7:30 am-1 pm. All-India Radio. |
| 3490 CR7AB | Lourenco Marques, Mozambique. Sun, 5-7 am; 10 am-2 pm; Weekdays, midnight to 1 am. 4:30-6:00 am; 9:30-11 am; noon-1 pm. Radio Club de Mocambique, Box 594. | 4845 HJ3CAD | Bogota, Colombia. 720 w. "Nueva Granada." |
| 3750 CS2ZU | Ponta Delgada, Azores. 80 w. Deodato Emilio Soares. | 4865 HJ2BAJ | Santa Marta, Colombia. 751 w. 10:30 am-2 pm; 5-11 pm. "La Voz de Santa Marta." |
| 4002 CT2AJ | Ponta Delgada, Azores. Wed, Sat, 5-7 pm. | 4875 HJ6FAH | Armenia, Colombia. 600 w. 9 am-2 pm; 6-11:30 pm. "La Voz de Armenia." |
| 4107 HCJB2 | Quito, Ecuador. 1 kw. 7-8:15 am; 11:30 am-2:30 pm; 2:45-10:15 pm. "Broadcasting Provincial," Clarence W. Jones, Casilla 691. | 4880 VUB2 | Bombay, India. 10 kw. 8 am-1 pm. All-India Radio. |
| 4273 RV15 | Khabarovsk, U.S.S.R. 20 kw. 4-10 am. Miss Rowena Meyer, Radio Committee. | 4885 IJ4DAP | Medellin, Colombia. 501 w. Relays HJ4DAQ. 9 am-2 pm; 7 pm-midnight. "Emisora Claridad." |
| 4300 4ZB | Dunedin, New Zealand. 30 w. At 6 am. | 4895 HJ3CAH | Bogota, Colombia. 720 w. "La Voz de la Victor." Relays HJ3CAI. Almacenes Victor, Aptdo 565. |
| 4600 HC2ET | Guayaquil, Ecuador. "Radio-difusora del Telegrafico," Apartado 249. | 4920 VUM2 | Madras, India. 10 kw. 7:30 am-1 pm. All-India Radio. |
| 4775 IJGAB | Bucaramanga, Colombia. 750 w. 6-10:45 pm. "Radio Santandar." | 4960 VUD2 | Delhi, India. 10 kw. 7:30 am-1 pm. All-India Radio. |
| 4785 IJ1ABB | Barranquilla, Colombia. 600 w. Relays HJ1ABA, "La Voz de Barranquilla," Apartado 715. Interval signal, 3 chimes. | 5146 PMY | Bandoeng, Java, N. E. I. 1 kw. Sat, 8 pm-3:30 am. Sun, 5:30 am-noon. Other days, 5:30 am-noon; 7 pm-3 am. |
| 4795 IJ3CAF | Bogota, Colombia. 750 w. La Voz de Bogota. | 5500 TI5PH | San Ramon, Costa Rica. 200 w. 8-11:30 pm. "La Voz de San Ramon." |
| | | 5713 TGS | Guatemala City, Guat. 200 w. Wed, Thur, Sat, 6-9 pm. Radiotransmisora de la Casa Presidencial." |
| | | 5755 YV2RA | San Cristobal, Venezuela. 1 kw. "La Voz del Tachira," or "La Emisora de Fidelidad Real." Relays YV1RB. Apartado 37. 11:30 am-12:30 pm; 5:45-9:30 pm. |
| | | 5825 TIGPH | San Jose, Costa Rica. "Alma Tica," Apartado 800. 7 pm-midnight. |
| | | 5835 YV5RR | Caracas, Venezuela. 4:30-10 pm. |
| | | 5850 YV1RB | Maracaibo, Venezuela, 300 w. "Ecos del Zulia," Apartado 37. Relays YV1RA; interval, gong and xylophone, and signs off with "Strike Up The Band." Sun, 8:30 am-2 pm; 5:30-9:30 pm; Weekdays, 5:45-9:45 am; 10:30 am-1:45 |

GENERAL CALL TO SWL'S

● Tune in on new frequencies! Ultra-high Frequency stations are increasing in number every day (television, police, commercial, experimental, amateur, etc.). See listing of UHF stations (those above 30,000 kilocycles) on page 48 of this magazine. Guaranteed UHF converter for any all-wave superheterodyne radio, complete and postpaid, for only 50c. This is not a plan! Special prices for group orders from radio clubs. Send your order to PRINCETON RADIO, DEPT. A-2, 15889 PRINCETON, DETROIT, MICHIGAN.

- 5875 HRN Tegucigalpa, Honduras. 500 w. "La Voz de Honduras," Mr. Paul John. Interval, notes from national anthem, and signs off with "Goodnight Waltz." 8 pm-midnight.
- 588 ZEA Salisbury, Southern Rhodesia. 325 w. Gen'l. P. O., Station Sec'y., Box 792. Sun, 3-5 am.
- 5885 HI9B Santiago de los Caballeros, D. R. 200 w. "Broadcasting Hotel Mercedes," Apartado 95. Sign off with national anthem. 11:45 am-2:15 pm;
- 5:45-7:45 pm.
5895 YV3RA Barquisimeto, Venezuela. Relays YV3RB, "La Voz de Lara." 6-10 pm.
- 5905 TILS San Jose, Costa Rica. Apartado 3. 1-3:30 pm; 7 pm-midnight.
- 5913 YV4RH Valencia, Venezuela. Relays YV4RE, "Radio Valencia." 5 pm-1 am.
- 5915 HH2S Port-au-Prince, Haiti. West Indian Brdcstg. Co., Mr. Gerard Bourke-Denis, Box 103. Sun, 7-10 pm; Weekdays, 8:30-10 pm.
- 5935 YV1RL Maracaibo, Venez. 300 w. Relays YV1RK, "Radio Popular." Sr. Rose A. Higuera M., Aptdo. 247. Sign off, National Emblem March. 6-11 pm.
- 5940 PJC1 Willemstad, Curacao. 150 w. "Radio Curon," Curacaosche Radio Vereeniging. Emmastad, Curacao. 7:45-9:35 pm.
- 5945 TG2X Guatemala City, Guat. 200 w. "Policia Nacional." Tue, Wed, Fri, 11 am-1 pm. Sat, 11 am-3 pm.
- 5970 YV5RC Caracas, Venezuela. 1 kw. (Reported on 5910, 5900 and 5973). Weekdays, 7 am-10 pm; Sun, 8:30 am-9:30 pm. "Radio Caracas," Apartado 2009. Relays YV5RA, and signs off with "March 1BC."
- 5975 CS2WD Lisbon, Portugal. 250 w. Radio Renascenca, Rua do Capelo 5-2 esq.
- OAX4P Huancayo, Peru. 250 w. "Radio Andina Junin," J. Alberto Maduana, Cuzco 25.
- 5980 VONG St. John's, Newfoundland. Newfoundland Brdcstg. Corp. Relays VONF. 8:30 am-12:30 pm; 4:30-9:30 pm.
- 5984 HJ4DAG Quibdo, Colombia. 150 w. "La Voz del Choco."
- 5995 VUD2 Delhi, India. 10 kw. All-India Radio. 7:30 am-12:30 pm.
- 6000 CXA2 Montevideo, Uruguay. 5 kw. Cia. de Radio Publicidad Continental, J. C. Gomez 1431. 10 am-10 pm.
- RV59 Moscow, U.S.S.R. 7-9:15 pm.
XEFT Mexico City, D. F. 500 w. Interval signal, cuckoo calls, and sign off with "Liebes-traume." El Buen Tono, S. A., Apartado 79-44. 11 am-1 am.
- 6005 CFCX Montreal, P. Q. 75 w. Relays CFCF. Canadian Marconi Co., Ltd., Box 1690. Sun, 10 am-11:15 pm. Weekdays 8:45 am-2 am.
- HP5K Colon, Panama. 200 w. Relays HOK, "La Voz de La Victor, Apartado 33. Noon-2 pm; 6 am-midnight.
- 6005 XYO Rangoon, Burma. 1500 w. 15th Mile Promenade.
- 6007 XYZ Rangoon, Burma. 1500 w. Burma Independent Wireless Sub-Division, W. J. Byrnes, Strand Road.
- ZRH Pretoria, Union of So. Africa. 5 kw. See "Johannesburg." Sat, 9:30 am-4:45 pm; Sun, 8:40 am-noon; 12:15-3:15 pm; Other days, 9:30 am-3:30 pm; 11:45 pm-12:50 am.
- 6010 CJCX Sydney, N. S. 1 kw. Relays CJC.B. Eastern Broadcasters, Ltd., Radio Bldg, Sun, noon-1:30 pm; Weekdays 9 am-2:30 pm.
- PRA8 Pernambuco, Brazil. 5 kw. "A Voz do Norte," Radio Club do Brasil, Avenida Cruz Cabuga 394. Time signals at Noon and 7 pm Brazil Time. Sign off with national anthem. 9 am-noon; 1-3 pm; 4-9 pm.
- VK9MI M. V. "Kanimbla," 50 w. McIlwraith & McEacharn Ltd., Melbourne, Vic, Australia.
- 6015 HI3U Santiago de los Caballeros, D. R. 125 w. "La Voz del Comercio," Moises Franco y Franco, Apartado 23. Sign off, "Mario la O" on organ, and national anthem. 7:15-9 am; noon-2 pm; 4:45-10 pm. Mexico City, D. F. 400 w. Institucion Municipal de la V. I., Mina 56.
- XEWI Berlin, Germany. 50 kw. See "Berlin." 11:30 am-4:25 pm.
- 6020 DJC Veracruz, Ver. C. 20 w. "El Eco de Sotavento desde Veracruz," Av. Independencia 98. Verifies for 3c USA stamp. 8 am-midnight.
- XEUW Calgary, Alta. 100 w. Voice of the Prairies, Ltd., Toronto General Trusts Bldg.
- HP5B Panama City, Panama. 100 w. Estacion Radiodifusora Miramar de la Radio Panama, Apartado 910. 5-10 pm.
- VE9BJ St. John, N. B. 50 w. New Brunswick Brdcstg. Co., Admiral Beatty Hotel.
- 6040 W1XAL Boston, Mass. 20 kw. See "W1XAL."
- W4XAB Miami, Fla. 5 kw. 10 pm-1 am. Relays WIOD. Ruth Richardson, Isle of Dreams Broadcasting Corp.
- YDA Tandjong Priok, N.E.I. 10 kw. NIROM. Sign off, "End of a Perfect Day."
- 6042 HJ1ABG Barranquilla, Colombia. 600 w. Relays HJ1ABH. "Emisora Atlantico," Aptdo. 445,

- 6045 XETW Tampico, Tams. 100 w. Relays XEFW, Flores y Martinez, Francisco I. Madero 204 Ote. Sun, 10 am-4 pm. Weekdays, 10 am-10 pm.
- 6050 GSA London, Gt. Britain. 20 kw. See "London."
- 6054 HJ6FAB Pereira, Colombia. 501 w. "La Voz de Pereira."
- 6055 Bern, Switzerland. 25 kw. See eBrn."
- 6060 VQ7LO Nairobi, Kenya. Cable & Wireless, Ltd., Box 777. 11 am-2:30 pm.
- W3XAU Philadelphia, Pa. 10 kw. See W3XAU." Sun, 12:01 am-2 am; Sun, Wed, 7:30 pm-midnight. Tue, Wed, Fri, 6:30-7:15 pm; Tue, Fri, 7:30-10:30 pm.
- W8XAL Cincinnati, Ohio. 10 kw. See W8XAL.
- 6065 SBO Stockholm, Sweden. 500 w. 5:15-5 pm. Telegrafverket Tjanstebrev 5.
- 6070 CFRX Toronto, Ont. 1 kw. Sun, 10:30 am-midnight. Weekdays 7:30 am-midnight. Relays CFRB. Rogers Radio Broadcasting Co., 622 Fleet St.
- YV1RD Maracaibo, Venezuela. Relays YV1RE, Radiodifusora Maracaibo." 7 pm-midnight.
- 6079 DJM Berlin, Germany. 50 kw. See Berlin."
- 6080 CKFX Vancouver, B. C. 10 w. Relays CKFC Standard Brdcast. Sys., 1504 Sun Bldg. 2 pm-midnight.
- HP5F Colon, Panama.
- W9XAA Chicago, Ill. 500 w. See W9XAA.
- XEWW Mexico City, D. F. 10 kw. Cadena Radiodifusora Mexicana, Ayuntamiento 54.
- 6082 OAX4Z Lima, Peru. 10 kw. Radio Nacional." Relays OAX4A, Av. Petit Thouars 447.
- 6090 ZNS Nassau, Bahamas. Superintendent of Telegraphs, Box 48 (No postage required for veries).
- 6097 1/2 ZRJ Johannesburg, Union of So. Africa. 200 w. See "Johannesburg." Sat, midnight to 12:50 am; 3:15-7 am; 8:30-11:30 am; Sun, 3:30-4:30 am (or 4-5 am); 5:30-7 am; 8:40-11:30 am; Other days, 3:15-7 am; 9 am-1:30 pm; 11:45 pm-12:50 am.
- ZRK Capetown, Union of So. Africa. 5 kw. See "Johannesburg." Sun, 3:30-4:30 am (or 4-5 am); 5:30-7 am; 9 am-11:45 am; noon-3:20 pm; Weekdays, 3:20-7:20 am; 9-11:45 am; noon-4 pm; 11:45 pm-12:50 am.
- 6100 W3XL New York, N. Y. 35 kw. See W3XL.
- W9XF Chicago, Ill. 10 kw. Relays NBC-WENR. Audience Mail Dept., NBC, Inc., Merchandise Mart. Sat, 1:05-2 am; 4-5:30 pm; Sun, 1-5:45 pm;
- Other days, 1:05-2 am; 4-5:45 pm.
- YUA Belgrade, Yugoslavia. 1 kw. 12:45 am-5:30 pm. "Radio Beograd." Bureau Central de Presse, Poste Emetteur a Ondes Courtes. Announce in Serbian, Italian, English, German, Turkish, Hungarian, Albanian, and Greek.
- 6110 GSL London, Gt. Britain. "L for Liberty." See "London."
- XEGW Mexico City, D. F. 250 w. Jose G. Garza Fox, San Juan de Letran 81.
- 6120 W2XE New York, N. Y. 10 kw. See "W2XE." Midnight-1 am.
- 6122 FK8AA Noumea, New Caledonia. Relays FJP. Announces, "Ici Noumea," and signs off with Marseillaise. 44 rue de l'Alma. Tues, Sat, 2:30-3:30 am.
- HJ3CAZ Bogota, Colombia. 750 w. Relays HJ3CAZ, La Voz de Colombia. Apdo 772.
- TGWB Guatemala City, Guat. 1 kw. Sun, 10:30 am-5:15 pm; 7 pm-midnight. Weekdays, 7:45-9 am; 12:45-3:45 pm; 7:30 pm-12:15 pm. See TGWA.
- 6130 CHNX Halifax, N. S. 500 w. Sat, 8 am-11:30 pm; Sun, noon-11:45 pm; other days, 7 am-11:45 pm. Maritime Broadcasting Co., Lord Nelson Hotel
- COCD Havana, Cuba. 250 w. Relays CMCD. "La Voz del Aire," S. A., Sr. J. Benitez, Apdo. 2294.
- IKJ Oslo, Norway, 5 kw. See "Oslo."
- 6132 VP3BG Georgetown, British Guiana.
- XEXA Mexico City, D. F. 100 w. Depto. de Publicidad y Propaganda, Sr. Jose Rivera.
- 6137 OR7AA Lourenco Marques, Port. East Africa. Radio Club de Mocambique, Caixa Postal 594. Sun, 5-7 am; 10 am-2 pm; Weekdays, midnight-1 am; 4:30-6:30 am; 9:30-11 am; noon-4 pm.
- 6140 SP48 Warsaw, Poland. 5 kw. 3-5:30 pm.
- W8XK Pittsburgh, Pa. 40 kw. See W8XK.
- 6145 HJ4DAE Medellin, Colombia. 700 w. "La Voz de la Antioquia."
- 6147 1/2 ZRD Durban, Union of So. Africa. 200 w. See "Johannesburg." Sat, 3:30-7:30 am; 9-11:15 am; Sun, 5:30-7 am; 9-11:16 am; Weekdays, 11:45 pm-12:50 am.
- 6150 CJRO Winnipeg, Man. 2 kw. James Richardson & Sons, Ltd., 157 Royal Alexandra Hotel.
- 6158 YV5RD Caracas, Venez. Relays YV5RB, "Radiodifusora Venezuela." 6:30-7:30 am; 10:30 am-1:30 pm; 3:30-10 pm.
- 6165 Bern, Switzerland. 25 kw. See "Bern."
- 6170 W2XE New York, N. Y. 10 kw. See "W2XE."

- 6174 XEXA Mexico City, D. F. Relays XEXM, Departamento Autonomo de Prensa Publicidad (DAPP). Sign off, "March of the Toys." 8:30 am-midnight.
- 6190 IIIJ Santiago de los Caballeros, D. R. 50 w. "La Voz del Yaque," Rafael Western. Weekdays, 8-10 pm.
- 6190 HVJ Vatican City. 15 kw. Mon, Thur, Sat, 2-3:30 pm; Tues, Fri, 2-3 pm; Wed, 2-2:30 pm; 3-3:30 pm. See HVJ.
- 6190 TG2 Guatemala City, Guat. 200 w. "Radio Morse," Director General of Electrical Communications.
- W2XAF Schenectady, N. Y. 40 kw. See "W2XAD."
- W6XBE San Francisco, Calif. 20 kw. See "W6XBE."
- Athlone, Ireland.
- 6200 COKG Santiago de Cuba. 1200 w. Relays CMKG. "Ask For Bacardi." Sres. Grau y Caminero, Aptdo. 137. Daily exc. Sat, 9 am-11 pm.
- XENS Mexico City, D. F. 100 w. Departamento de Salubridad Publica.
- ZGE Kuala Lumpur, F.M.S. Institute of Medical Research. Sun, Tue, Fri, 6:40-8:40 am. Saigon, Fr Indo-China. "Radio Boy-Landry," Etablissements Boy-Landry. 5:30-9 am.
- 6205 YV1RI Coro, Venez. 150 w. "La Voz de Coro," Rodger Leyba. 5-10 pm.
- 6206 HI8Q Trujillo, D. R. 200 w. "La Voz la Philco," Av. Wenceslao Alvarez No. 3. Sun 6-10 pm; Weekdays, 8:30 am-noon; 2:30-5 pm.
- 6225 YV1RG Valera, Venez. "Radio Valera," Pedro Febres Jelambi. 5:30-7:30 pm.
- 6235 HRD2 La Ceiba, Honduras. 250 w. 8-11 pm. "La Voz de Atlantida."
- 6243 HIN Trujillo, D. R. 740 w. Weekdays, noon-2:30 pm; 5:45-10 pm. Sign off National Anthem. Frank Hatton, Dominican Government, Carle Arzobispo Merino 79.
- 6250 YV5RJ Caracas, Venezuela. Relays YV5RI, "La Voz de la Esfera." Suegart y Cia., Aptdo. 1908. 10 am-10 pm.
- 6270 YV5RP Caracas, Venezuela. 1200 w. Relays YV5RQ, "La Voz de Philco." Apartado 508. 7 am-1:30 pm; 3:30-9:30 pm.
- 6282 COHB Sancti-Spiritus, Cuba 150 w. Relays CMHB, V. E. Wiess y O. Ramirez, Calle Independencia 33. 9-11 pm.
- HIG Trujillo, D. R. 150 w. "La Opinion." Andres Cordero Puello, Santiago Rodriguez 12. Weekdays, 7-9 am; noon-2:30 pm; 4-9 pm.
- 6300 YV4RD Maracay, Venez. Relays YV4RG, "La Voz de Ara-
gua," Luis y Victor Croquer. (5-11 pm).
- 6295 OAX4G Lima, Peru. 400 w. Relays OAX4B, "Radio Grellaud," Roberto Grellaud y Cia., Sen Abencay 915-23 (7-9:30 pm).
- 6310 HIZ Trujillo, D. R. 100 w. Frank Hatton, Calle Duarte 68. (Sun, 11:40 am-2:40 pm; Weekdays, 11:10 am-2:10 pm; 4:40-9:40 pm).
- 6312 ZP14 Villarica, Paraguay, 1 kw. "Radio Cuetura."
- 6330 COCW Havana, Cuba. 7 am-midnight. Relays CMW. "La Voz de las Antillas," Apartado 130.
- 6335 OAX1A Chiclayo, Peru. 200 w. "La Voz de Chiclayo." Elias Aguirre 171, Casilla 9. Sign off, "Good Night Waltz." (Sat, 10 pm-midnight; Other days, 8-11 pm).
- 6340 HI1X Trujillo, D. R. 500 w. Relays HIX. J. R. Saladin. (Tues, Fri, 8-10 pm).
- 6351 IHRP1 San Pedro Sula, Honduras. 100 w. 12:30 pm-12:30 am. "El Eco de Honduras."
- 6360 YV1RH Maracaibo, Venezuela. 350 w. Relays YV1RF, "Ondas del Lago." Nicholas Vale Quintero, Aptdo 261. Interval notes from "Jealousy." Sign off, "Er weicht der Sonne nicht!" (Sun, 8:30 am-2:30 pm; Weekdays, 6:15-7:15 am; 11 am-1:30 pm; 4-11 pm).
- 6375 YV5RF Caracas, Venez. Relays YV5RE, "Ecos del Caribe." Estudios America, Aptdo. 963. (11:30 am-10 pm).
- 6380 ZIZ Basseterre, St. Kitts. (Reported on 6384). Daily 4-5 pm; Wed, 7-7:30 pm.
- 6384 VP2LO Basseterre, St. Kitts. 500 w. ICA Radio Serv. Labs., Caribbean Brdcast. Serv., Box 88. Opens with "Rule Britannia," Closes "God Save the King." (Daily 4-4:45 pm; Sun, 10-10:45 am).
- 6400 YV5RH Caracas, Venezuela. Relays YV5RG, "Ondas Populares." Aptdo. 1931.
- 6410 TIPG San Jose, Costa Rica. 1 kw. "La Voz de la Victor," Perry Girton, Aptdo. 224. Closes, "Good Night, Sweetheart." (6-10:30 pm).
- 6416 YV6RC Bolivar, Venezuela. "Radio Bolivar."
- 6420 HIIS Santiago de los Caballeros, D. R. 20 w. "La Voz de La Hispaniola." (6-11 pm).
- TGQA Quezaltenango, Guat. 200 w. Relays TGO, "La Voz de Quezaltenango." Director General of Electrical Communications. (Sat, 10 pm-1 am; Sun, 1-3 pm; Other days, 9-11 pm).
- 6425 W2XGB Hicksville, N. Y. 10 kw. Press Wireless, Inc.
- 6490 TGWB Guatemala City, Guat. 1 kw. (Reported on 6495). See TGWA.
- 6590 COCU Havana, Cuba. Jorge Garcia Serra, Estrada aPima 25,

- Vibora. (Sun, 6:55 am-midnight; Weekdays, 6:55 am-1
- 6622 PRADO Rio Bamba, Ecuador. Fabrica de Tejidos de "El Prado," Apto. 98. (Thur, 9-11 pm).
- 6630 HIT Trujillo, D. R. 200 w. "La Voz de La RCA-Victor," A. L. Pichardo, Apto. 1105. Interval, bells; sign off, national anthem. (Sun, 10:45 pm-12:45 am; Weekdays, 5:45-8:45 pm).
- 6638 HC2RL Guayaquil, Ecuador. 200 w. "Quinta Piedad," Dr. Roberto Levi, Casilla 759. Interval, "Hello, America," sign off, national anthem. (Sun, 5:30-7:30 pm; Tues, 9-11 pm).
- 6675 HBQ Geneva, Switzerland. "Radio Nations." (Sun, 1:45-2:45 pm).
- 6690 TIEP San Jose, Costa Rica. 4-11 pm (Reported on 6695). "La Voz de Isthmo," Eduardo Pinto H., Apto. 257.
- VK8SK Broken Hill, Australia. At 2:30 am, Australian Aerial Medical Service.
- 6710 PMH Bandoeng, Java, N.E.I. 1500 w.
- 6800 PZH Paramaribo, Surinam.
- 6960 Z2B Wellington, New Zealand. 200 w.
- 6970 XPSA Kweiyang, Kweichow, China. 10 kw.
- 700 to 7300 Amateurs.
- 7006 FE11 Valladolid, Spain. 7:30 am-5:30 pm.
- 7020 XGSA Kweiyang, China. 8-11:15 am; 8-9 pm.
- 7088 PI1J Dortrecht, Netherlands. 50 w. Technical College. (Sat, 10 am-12:50 pm).
- 7090 FO8AA Papeete, Tahiti. Radio Club Oceanien. (Tues, Fri, 11 pm-midnight).
- 7140 XPSA Kweiyang, China. 10 kw. (5:30-10:55 am).
- 7177 CR6AA Lobito, Angola. (Wed, Sat, 2:45-4:30 pm).
- 7220 12RO11 Rome, Italy. 100 kw. See "2RO."
- 7300 VIG Port Moresby Papua. Relays 4 pm. A call sign, not time.
- 7380 XECR Mexico City, D. F. 20 kw. Secretaria de Relaciones Exteriores. (Sun, 6-8 pm).
- 7450 FG8AA Pointe a pitre, Guadeloupe. (Reported on 7050, 7435). 6-7 pm. "Radio Guadeloupe," Box 125.
- 7510 JVP Tokyo, Japan. 50 kw. See "Tokyo" at end of list.
- 7797 HBP Geneva, Switzerland. "Radio Nations." (Sat, 5:30-6:30 pm).
- 7894 YSD San Salvador. Relays YSS, "Alma Cuscatleca." Director General de Telegrafos, Telefonos, y Radio Nacionales.
- 8650 HJ4DAU Medellin, Colombia. 250 w. Universidad Antioquia.
- 8664 COJK Camaguey, Cuba. 1 kw. 11:30 am-12:30 pm; 8-10 pm. (Reported on 8660 and 8680). Relays CMJK, "Radio Zenith," Jones Castillon y Cie., Finlay #3.
- 8700 COCO Havana, Cuba. 1 kw. Relays CMCK, Luis Casas Romero, Apto. 98.
- 8820 HCJB Quito, Ecuador. 1 kw. "La Voz de los Andes," Clarence
- 8830 COCQ Havana, Cuba. 1 kw. Relays CMQ, "De La RCA-Victor," Calle 25 No. 225.
- 9030 COBZ Havana, Cuba. 250 w. Relays CMBZ, "Radio Salas," Apto. 866. Opens, nightingales and canaries; interval, 4 chimes; closes, national anthem. (6:45 am-1 am).
- 9100 COBX Havana, Cuba. Relays CMBX. Alberto Alvarez, San Miguel 194.
- 9125 HAT4 Budapest, Hungary. 20 kw. Sun, Wed, 7-8 pm; Sat, 6-7 pm. Radiolabor, Kiserleti Allomasa, Gyali-ut 22, Budapest IX.
- 9234 Bucuresti, Romania. 2 kw. "Radio Experimental," Societatea Romana de Radiodifuziune, Str. Gral. Berthelot 60, Bangkok, Thailand (formerly "Siani"). Post and Telegraph Dept.
- 9350 HS81J Fort de France, Martinique. "Radio Fort de France."
- 9363 COBC Havana, Cuba. Relays CMBC, "El Progreso Cubano," Apto. 132. (6:55 am-midnight).
- 9400 Saigon, Fr. Indo-China. 10 w. "Radio Michel-Robert," (Weekdays, 7-8:30 am).
- 9415 PJC2 Willenstad, Curacao. "Radio Curon," Emmastad.
- 9415 PLV Bandoeng, Java, N.E.I. 80 kw. Governments Radio-Dienst.
- 9437 COCH Havana, Cuba. 5 kw. Gen'l. Elec. Co. of Cuba, Apto. 41. (8 am-midnight).
- 9465 TAP Ankara, Turkey. 20 kw. 11:30 am-5 pm. Turkish Brdstg. System.
- 9480 EAR Madrid, Spain. 20 kw. 7:30-8 pm; 8:30-9 pm. "La Voz de Espana," Medinaceli 6.
- 9500 OFD Lahti, Finland. 1 kw. See "Lahti." (Weekdays, 5-6:30 am; 10 am-5 pm).
- XEWW Mexico City, D. F. 10 kw. 8:55 am-midnight. "La Voz de la America Latina desde Mexico." Apto. 2516. Relays XEW. Cadena Radiodifusora Mexicana.
- XGOY Lungtso, China.
- 9501 PRF5 Rio de Janeiro, Brazil. 60 kw. "A Vox do Brasil," Cia. Internacional do Brasil, Box 709.
- 9503 Hanoi, Fr. Indo-China. "Radio Hanoi I," 82 rue Jules Ferry. (Daily exc. Sat, 11 pm-2:30 am; Daily exc. Sun, 6-9:30 am).
- 9510 CXA8 Colonia, Uruguay. 2500 w. Relays LR3. "Real de San Carlos." (6 am-10 pm).
- 9510 GSB London, Gt. Britain. 20 kw. "B for Broadcasting." See "London." (Midnight to 2:20

- am; 6:20-9:15 pm; 9:40-11:30 pm).
- HSSPJ Bangkok, Thailand (formerly "Siam"). Opening and interval signals, 3 ascending chimes. Post and Telegraph Dept., Col. Phra Aram.
- VK3ME Melbourne, Australia. 5 kw. Weekdays, 4-7 am. Amalgamated Wireless, (A/sia), Ltd., 167 King St.
- 9520 OZF Copenhagen, Denmark. 6 kw. 2-6 pm; 10-11 pm. Stats-radiofonien, Heibergsgade 7.
- SP31 Warsaw, Poland. 5 kw. (3-5:30 pm).
- XEDQ Guadalajara, Jal. 100 w. "Hablando a los Continentes desde Guadalajara." Relays XED, Aptdo. 197. Interval, 4 chimes; sign off, "Jarabe Tapatio."
- 9523 ZRG Pretoria, Union of So. Africa; 5 kw. See "Johannesburg." (Sat, 5-7 am; 9:30 am-4:45 pm; 11:45 pm-12:50 am; Sun, 5:30-7 am; 8:30 am-noon; 12:15-3:15 pm; Other days, 5-7 am; 9:30 am-3:30 pm; 11:45 pm-12:50 am).
- 9525 ZBW3 Hong Kong. 2500 w. Hong Kong Broadcasting Committee, Box 200.
- 9530 LKC Oslo, Norway. 5 kw. See "Oslo."
- VUC2 Calcutta, India. 10 kw. 2:30-4:30 am. All-India Radio.
- W2XAF Schenectady, N. Y. 40 kw. See W2XAD.
- W6XBE San Francisco, Calif. 20 kw. See "W6XBE."
- 9535 JZI Tokyo, Japan. 20 kw. See "Tokyo." (4:40-5:30 pm).
- Bern, Switzerland. 25 kw. See "Bern."
- 9536 VPD2 Suva, Fiji. 2 kw. Amalgamated Wireless, (A/sia), Ltd. (5:30-7 am).
- 9540 DJN Berlin, Germany. 50 kw. (12:05-2:30 am; 9:30-11 am; 4:50-10:50 pm.) See "Berlin" at end of list.
- 9544 HH2S Port-au-Prince, Haiti. Societe Haitienne de Radio-diffusion, Boite Postal 103.
- 9550 HVJ Vatican City. 15 kw. Wed, 2:30-3 pm; Sun, 5-5:30 am. See HVJ.
- TPB11 Paris, France. 25 kw 11:15 pm-6 pm. See "Paris" at end of list.
- VUB2 Bombay, India. 10 kw. 12:30-4 am; 5-7:30 am; 10-11 pm. All India Radio.
- W2XAD Schenectady, N. Y. 25 kw. See W2XAD.
- 9560 DJA Berlin, Germany. 50 kw. See "Berlin." (6:30-10:30 pm).
- 9570 W1XK Springfield, Mass. 10 kw. Relays NBC-WBZ-WBZA. Westinghouse Electric & Mfg. Co.
- W8XK Pittsburgh, Pa. 40 kw. See W8XK.
- 9580 GSC London, Gt. Britain. 20 kw. "C for Corporatton." See "London." (1:30-4 pm.; 4:20-6 pm).
- VLR Melbourne, Vic., Australia. 2000 w. 3:15-9:45 am. See VLR.
- 9590 HP5J Panama City, Panama. 1 kw. (Reported on 9610). 6:30-11 pm. "La Voz de Panama." Apartado 867.
- PCJ Huizen, Netherlands. 60 kw. Sun, 2-3 pm; Mon, 7:15-8:15 pm; 8:25-9:25 pm; Tu, 1:45-3:30 pm; W, Th, 7-9:30 pm; F, 8-9 pm. See Hilversum.
- VK2ME Sydney, Australia. 20 kw. Sun, 1-3 am; 5-11 am. Signature, laughing notes of kookaburra. Amalgamated Wireless, (A/sia), Ltd., 47 York St.
- VK6ME Perth, Australia. 5 kw. Weekdays, 6-8 am. Amalgamated Wireless, (A/sia), Ltd.
- VUD2 Delhi, India. 10 kw. 2-4:15 am; 8 am-1 pm; 10 pm-midnight. All-India Radio.
- VUD3 Delhi, India. 5 kw. 8 am-1 pm. All-India Radio.
- W3XAU Philadelphia, Pa. 10 kw. M, Th, 7:30-11:30 pm; Sat, 7:30-10:45 pm. See "W3XAU" at end of list.
- W8XAL Cincinnati, Ohio. 10 kw. See W8XAL.
- 9595 IIBL Geneva, Switzerland. 20 kw. "Radio Nations."
- 9606 ZRL Capetown, Union of So. Africa. 5 kw. See "Johannesburg." (Sun, 3:30-4:30 am (or 4-5 am); 5:30-7 am; 9-11:45 am; noon-3 pm; Weekdays, 3:20-7:20 am; 9-11:45 am; noon-4 pm; 11:45 pm-12:50 pm).
- 9616 HJ1ABP Cartagena, Colombia. 608 w. 4:30-10:30 pm. "Radio Cartagena." Aptado 37.
- 9630 HJ7GAD Bucaramanga, Colombia. 650 w. Relays HJ7GAE. "Radio Bucaramanga."
- 12RO3 Rome, Italy. 100 kw. See "Rome." (12:07-12:56 pm; 1:01-2:55 pm; 5:30-9 pm).
- 9645 HH3W Port-au-Prince, Haiti. 30 w. 1-2 and 7-8 pm. C. Ricardo Widmaier, Box A-117.
- 9650 IABA Addis Ababa, Ethiopia. 1 kw. E. I. A. R.
- W2XE New York, N. Y. 10 kw. See "W2XE."
- 9660 CR6AA Lobito, Angola.
- HVJ Vatican City. 15 kw. Wed, 2:30-3 pm; Sun, 5-5:30 am. See HVJ.
- 9670 I2RO9 Rome, Italy. 100 kw. See "Rome." (12:40-5:30 pm; 6-6:30 pm).
- W3XAL New York, N. Y. 35 kw. See W3XL.
- 9675 DJX Berlin, Germany. 10:35 am-4:25 pm. See "Berlin" at end of list.
- 9685 TGWA Guatemala City, Guat. 10 kw. Sun, 12:45-5:15 pm; 7 pm-midnight; weekday, 12:45-1:45 pm; 10-11:30 pm. See TGWA.
- 9692 TI4NRH Heredia, Costa Rica. 500 w. Sun, 7-8 am; Tu, Th, Sat, 9-10 pm. Amando Cespedes Marin, Apartado 40.
- 9700 "Radio Martinique," Fort de France, Martinique 1500 w.

- 1:15-2:45 pm; 6-10 pm. Sign off with Marseillaise. Poste Seri. Boite 136.
- 9730 CB970 Valparaiso, Chile. (Reported on 9710). 6:30-11 pm.
- 9752.9 ZRO Durban, Union of So. Africa. 200 w. See "Johannesburg." (Sat, 3:30-7:30 am; 9-11:15 am; 11:20 am-4 pm; Sun, 5:30-7 am; 9-11:15 am; 11:20 am-3:20 pm; Other days, 3:30-7:30 am; 9-11:15 am; 11:20 am-3:45 pm).
- 9830 IRF Rome, Italy. 20 kw. See "Rome." (5:20-5:40 am; noon-12:25 pm; 12:40-1 pm; 1:50-2:30 pm; 6-9 pm).
- 9860 EAQ Madrid, Spain. "The Voice of Republican Spain," Apartado 951.
- 9925 JDY Dairen, Kwantung. 10 kw. 7-8 am. Manchuria Telephone and Telegraph Co.
- 9985 COCM Havana, Cuba. 1 kw. Relays CMCM. "Trans Radio Columbia," 23 No. 1113, Vedado.
- 10050 TIEM San Jose, Costa Rica. Relays TIEM. Apartado 1049.
- 10220 PSII Rio de Janeiro, Brazil. 12 kw. Mon, 6-9 pm. Relays PRF4; signs off with Brazilian National Hymn. Cia. Radio Internacional do Brasil, Caixa Postal 709.
- 10330 ORK Brussels, Belgium. 11 kw. 1:30-3 pm.
- 10660 JVN Tokyo, Japan.
- 10740 JVM Tokyo, Japan.
- 11280 HIN Trujillo, D. R. 750 w. Aptdo 604.
- 11402 HIBO Geneva, Switzerland. "Radio Nations." Sun, 7-7:45 pm.
- 11535 SPD Warsaw, Poland. 2 kw. Polskie Radio, 5 Masowiecka St.
- 11650 COCX Havana, Cuba. 1 kw. (Reported on 11740). Sun, 6-9 pm; Weekdays, 8 am-midnight. Relays CMX, "Casa Lavin," Box 32, Tokyo, Japan.
- 11660 JVL
- 11700 HP5A Panama City. 300 w. Sun, 9 am-1 pm; 6-10 pm. Weekdays, 11:45 am-1 pm; 6-10 pm. "Radio Teatro Estrella de Panama." Sign off with "Anvil Chorus." Radio Teatro, Aptdo. 954.
- 11705 SBP Stockholm, Sweden. 500 w. Sun, 1:15-4:15 pm; Wed, Sat, 8-9 pm; Daily, 1-4:15 pm. Telegrafverket Tjanstebrev 3.
- 11718 TPB6 Paris, France. 7-9:15 pm. See "Paris."
- TPA4 Paris, France. 7-9:15 pm; 9:30 pm-midnight. See "Paris."
- 11720 CJRX Winnipeg, Man. 2 kw. James Richardson & Sons, 157 Royal Alexandra Hotel.
- 11730 PHI Huizen Netherlands. 23.6 kw. See Hilversum.
- W1XAL Boston, Mass. 20 kw. See W1XAL.
- 11735 LKQ Oslo, Norway. 5 kw. See "Oslo."
- 11740 HVJ Vatican City. 15 kw. Tues, 8:30-9 am. See HVJ.
- 11750 GSD London, Gt. Britain. 20 kw. 3-5:25 am; 9-10:15 am; 12-20:4 pm; 4:15-8:30 pm; 9:20-11:25 pm. See "London."
- 11760 TGWA Guatemala City. Guat. 10 kw. Sun, 12:45-5:15 pm; Weekdays, 12:45-1:45 pm. See TGWA.
- 11770 DJD Berlin, Germany. 50 kw. 11:30 am-4:30 pm; 4:50-10:50 pm. See "Berlin."
- 11790 W1XAL Boston, Mass. 20 kw. See W1XAL.
- 11800 JZJ Tokyo, Japan. 50 kw. 12:30-1:30 am; 7-9:30 am; 2:30-4 pm; 4:30-5:30 pm; 8-8:30 pm. See "Tokyo."
- 11810 2RO4 Rome, Italy. 25 kw. 4:40-8:45 am; 11 am-1:09 pm. See 2RO.
- 11820 GSN London, Gt. Britain.
- 11830 W2XE New York, N. Y. 10 kw. Sat, Sun, 6:30-11 pm; Other days, 6:30-10 pm. See "W2XE."
- W9XAA Chicago, Ill. 500 w. See W9XAA.
- 11860 GSE London, Gt. Britain. 20 kw. 3-5:25 am; 5:45-8:50 am; 9-10:30 am. See "London."
- 11870 VUM2 Madras, India 10 kw. 4-4:30 am. All-India Radio.
- 11880 VLR3 Melbourne, Australia. 1.3 am. See VLR.
- 11885 TPA3 Paris, France. 25 kw. 2-5 am; 11:15 am-6 pm. See "Paris."
- TPB7 Paris, France. 25 kw. 9:30 pm-midnight. See "Paris."
- 11900 I2RO13 Rome, Italy. 100 kw. See 2RO.
- 12235 TFJ Reykjavik, Iceland. 7500 w. Sun, 1:45-2:30 pm Icelandic State Broadcasting Service, Box 547.
- 12450 HCJB Quito, Ecuador. Daily exc. Mon, 7:15-10:30 pm.
- 15100 I2RO12 Rome, Italy. 100 kw. See 2RO.
- 15110 DJL Berlin, Germany. 50 kw. 12:05-2 am; 8-9 am; 10:35 am-4:25 pm. See "Berlin."
- 15120 HVJ Vatican City. 15 kw. Tues, 10:30-11 am; Sun, 1-1:30 pm. See HVJ.
- 15130 TPB11 Paris, France. 25 kw. 2-5 am. See "Paris."
- W1XAL Boston, Mass. 20 kw. See W1XAL.
- 15140 GSF London, Gt. Britain. 15 kw. 3-5:25 am; 5:45-8:50 am; 9 am-noon. See "London."
- 15160 JZK Tokyo, Japan. 50 kw.
- VUD3 Delhi, India. 5 kw. 2-4:15 am; 10 pm-midnight. All-India Radio.
- XEW6 Mexico City, D. F. 10 kw. "La Voz de la America Latina desde Mexico." Aptdo. 2516.
- 15170 LKV Oslo, Norway. 5 kw. See Oslo.
- 15170 TGWA Guatemala City, Guat. 10 kw. Sun, 12:45-5:15 pm. Weekdays, 12:45-1:45 pm. See TGWA.
- 15180 GSO London, Gt. Britain. 3-5:25 am; 4:15-8:30 pm. See "London."
- 15195 TAQ Ankara, Turkey. 20 kw. Turkish Brdcastg. System. Daily 5:30-7 am.

- 15200 DJB Berlin, Germany. 8 kw. 8-9 am; 4:50-10:50 pm; Sun only, 11:10 am-12:25 pm. See "Berlin."
- 15210 W8XK Pittsburgh, Pa. 40 kw. See W8XK.
- 15220 PCJ2 Huizen, Netherlands. 60 kw. Tues. 3-4:30 am; Wed, 9:30-11:30 am. See Hilversum.
- 15243 TPA2 Paris, France. 25 kw. 6-11 am. See "Paris."
- 15250 W1XAL Boston, Mass. 20 kw. See W1XAL.
- 15260 GSI London, Gt. Britain. 3-5:25 am; 12:30-1:30 pm.
- 15270 W2XE New York, N. Y.
W3XAU Philadelphia, Pa. 10 kw. 3-7 pm. See "W3XAU."
W8XAL Cincinnati, Ohio. 50 kw. See "W8XAL."
- 15280 DJQ Berlin, Germany. 50 kw. Sun, 11:10 am-12:25 pm; Daily, 12:05-11 am; 4:50-10:50 pm. See "Berlin."
- LRU Buenos Aires, Argentina. 5 kw. 8 am-1 am. "Radio El Mundo." Calle Maipu 555.
- 15310 GSP London, Gt. Britain. 1:45-4 pm. See "London."
- 15330 W2XAD Schenectady, N. Y. 25 kw. See W2XAD.
W6XBE San Francisco, Calif. 20 kw. 1-4 am to the Orient; 12:30-4 pm to CA and SA. See "W6XBE."
- 15340 DJR Berlin, Germany. 50 kw. 12:05-11 am. See "Berlin."
- 17760 DJE Berlin, Germany. 50 kw. 12:05-5:50 am; 6-7:50 am. See "Berlin."
W8XAL Cincinnati, Ohio. 50 kw. See "W8XAL."
- 17770 PHI2 Huizen, Netherlands. 23.6 kw. Sun. 6:25-9:40 am; M, Th, 7:40-8:40 am. See Hilversum.
- 17780 W3XL New York, N. Y. 35 kw. See "W3XL."
W8XK Pittsburgh, Pa. 40 kw. See "W8XK."
W9XAA Chicago, Ill. 500 w. See "W9XAA."
- 17790 GSG London, Gt. Britain. 5:45-8:50 am; 9 am-noon; 12:20-4 pm. See "London."
- 17800 TGWA Guatemala City, Guat. 10 kw. See "TGWA."
- 17810 GSV London, Gt. Britain. 5:45-8:50 am; 12:20-4 pm. See "London."
- 17830 W2XE New York, N. Y.
17840 HVJ Vatican City. 15 kw. See HVJ.
- 21460 W1XAL Boston, Mass. 20 kw. See W1XAL.
- 21470 GSH London, Gt. Britain. 5:45-8:50 am; 9 am-noon. See "London."
- 21500 W2XAD Schenectady, N. Y. 25 kw. See W2XAD.
- 21520 W3XAU Philadelphia, Pa. 10 kw. 1-2:30 pm. See "W3XAU."
- 21530 GSJ London, Gt. Britain. 5:45-8:50 am. See "London."
- 21540 W8XK Pittsburgh, Pa. 40 kw. See "W8XK."
- 21550 GST London, Gt. Britain.
- 21565 DJJ Berlin, Germany. 6-7:50 am. See "Berlin."
- 21590 W2XAF Schenectady, N. Y. 40 kw. See W2XAD.
- 21630 W3XAL New York, N. Y. 35 kw. See W3XAL.
- 21650 W8XAL Cincinnati, Ohio. 50 kw. See W8XAL.
- 25725 W3XAU Philadelphia, Pa. 10 kw. See W3XAU.
- 25950 W4XH Spartanburg, S. C. WSPA.
W6XKG Los Angeles, Calif. KGFJ.
25950 W8XNU Cincinnati, Ohio. WLW.
26050 W3XEX Norfolk, Va. WTAR.
W9XH South Bend, Ind.
W9XTC Minneapolis, Minn. WTCN.
- 26100 GSK London, Great Britain. See London.
W9XJL Superior, Wis. WEBC.
- 26150 W4XA Nashville, Tenn. 1 kw. 7:30-11 pm.
W9XUP St. Paul, Minn. KSTP.
26300 W2XJI Newark, N. J. WOR.
26400 W9XAZ Milwaukee, Wis. WTMJ.
26450 W9XA Kansas City, Mo. 1 kw. Everett L. Dilard. Commercial Radio Equipment Co.
- 26500 W9XNTA Harrisburg, Ill. Schenert Radio Service.
- 26550 W2XQO Flushing, N. Y. WMCA.
31100 W3XTW Reading, Pa.
31600 W1XEQ Fairhaven, Mass. WNBH.
W1XER Boston, Mass. The Yankee Network.
- W1XKA Boston, Mass. WBZ.
W1XKB Springfield, Mass. WBZA.
W1XOE Boston, Mass. CBS.
W2XDG New York, N. Y. WEAJ-WJZ.
- W2XDV New York, N. Y. WARC.
W2XHG Bound Brook, N. J. WJZ.
W3XES Baltimore, Md. WCAO.
W3XEX Norfolk, Va. WTAR.
W3XEY Baltimore, Md. WFBR.
W3XIR Philadelphia, Pa. WCAU.
W3XKA Philadelphia, Pa. KYW.
W4BW Chattanooga, Tenn. WDOJ.
W4XCA Memphis, Tenn. WMCA.
W5XAU Oklahoma City, Okla. WKY.
W5XD Dallas, Texas.
W5XGB Pasadena, Texas, Houston Lighting & Power Co.
- W5XGC Humble, Texas. Houston Lighting & Power Co.
- W6XAS San Francisco, Calif. KJBS.
W6XXT Portable. Press Wireless, Ltd.
W8XAJ Rochester, N. Y. WHAM.
W8XH Buffalo, N. Y. WREN.
W8XKA Pittsburgh, Pa. KDKA.
W8XNT Cleveland, Ohio. WGAR.
W8XOY Akron, Ohio. WADC.
W8XWJ Detroit, Mich. WWJ.
W9XBS Chicago, Ill. WENR.
W9XER Kansas City, Mo. KMBC.
W9XHV Minneapolis, Minn. WCCO.
W9XLA Denver, Colo. KLZ.
W9XOK St. Louis, Mo.
W9XPD St. Louis, Mo. KSD.
W9XUY Omaha, Nebr.

The Addresses were given in the Midsummer RADEX, and will be printed again in October.

The WORLD'S Radio Stations

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

Effective March 4, 1940, many European stations will change frequencies. The frequencies to be used after that date are shown in parentheses in the last column.

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

Explanation of the Third Column Symbols:

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

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

512	.....	B	500	Tartu, Estonia (1375).
518	.....	B	....	Vest-Telemark, Norway (518).
519	LKH	B	700	Hamar, Norway (518).
	.....	B	1000	Innsbruck, Germany (518).
520	.....	B	50000	Baranowicze, Poland (652).
526	.....	B	....	Joensuu, Finland (526).
527	.....	B	6300	Ljubljana, Jugo-Slavia (526).
	.....	B	10000	Viiipuri, Finland (526).
536	.....	B	10000	Bolzano, Italy. EIAR, via Regina Elena (543).
	.....	B	50000	Wilno, Poland (534).
545	CJY	FA	....	Charlottetown, P. E. I. Dept. of Transport.
	VAN	T	....	Cape Beale, B. C. Dominion Gov't.
	VAD	T	....	Carmanah, B. C. Dept. of Transport.
	VAQ	T	....	Banfield, B. C. Dept. of Transport.
	VBR	T	....	Bird Rocks, N. S. Dominion Gov't.
546	No. 1	B	120000	Budapest, Hungary. Sandor Utca 7 (552).
550	HJIABC	B	30	Sincelejo, Colombia. "Radio Sincelejo."
	2CR	B	10000	Cumnock, NSW, Australia Central Regional.
556	.....	B	100000	Beromunster, Switzerland. Speichergrasse, 6 Bern.
560	MTCY1	B	10000	Hsingking, Manchukuo. Manchuria Tele. & Teleg. Co., 601 Daido-Taigal.
	XGOG	B	10000	Chengtu, China. Chinese Gov't.
	ZTU	B	10000	Grahamstown, U. So. Af. So. African Brdcastg. Corp., Box 4559, Johannesburg.
	6WA	B	10000	Minding, WA, Australia. South West Regional.
565	.....	B	100000	Athlone, Ireland. "Radio Eireann," Dept. of Posts & Telegraphs (571).
	.....	B	3000	Catania, Italy. E. I. A. R. (1033).
	.....	B	10000	Memel, Germany (1384).
	.....	B	3000	Palermo, Italy. EIAR, piazza Belini 5.
570	CB57	B	5000	Santiago, Chile. Soc. Nac. de Agricultura, Agustinas esq. Tenderini.
	XHJA	B	100	Hankow, China.
	2YA	B	60000	Wellington, N. Z. Nat'l. Brdcastg. Service, Featherstone St.
	4VL	B	100	Charleville, QLD, Australia. Edward Gold, Box 163, Toowoomba.
574	.....	B	100000	Stuttgart, Germany. Charlottenplatz 1 (580).
580	CC58	B	500	Temuco, Chile. Luis E. Brain, El Diario Austral.
	JFCK	B	1000	Taichu, Formosa.
	PRC3	B	250	Pelotas, Brazil. Soc. Radio Pelotense.
	PRG5	B	950	Santos, Brazil. Radio Atlantica.
	XQHA	B	250	Shanghai, China.
	3WV	B	10000	Horsham, Australia. Western Regional.

583	....	B	20000	Grenoble, France. "Alpes-Grenoble," P. T. T., 1 rue Hauvelin.
....		B	50000	Madona, Latvia. Rigas Radifons (607).
590	HJ3CAL	B	251	Bogota, Colombia. Emissora Gundinamarca.
....	LS10	B	6000	Buenos Aires, Argentina. Radio Callao.
590	JOAK1	B	150000	Tokyo, Japan. M. Tomabecio.
....	PRG7	B	250	Jahu, Brazil. Radio Soc. Jahuense.
....	XHKB	B	100	Tsingtao, China.
592	....	B	100000	Vienna, Germany. Johannesgasse 4b (598).
598	....	B	....	Eidar, Iceland (598).
600	FJP	B	500	Noumea, New Caledonia.
....	JONG	B	500	Miyazaki, Japan.
....	PRH2	B	25000	Porto Alegre, Brazil. Soc. Radio Farrouçilha.
....	XMHA	B	600	Shanghai, China. 445 Racecourse Road.
....	ZTC	B	10000	Cape Town, U. of So. Af. So. African Brdcastg. Corp., Box 4559, Johannesburg.
601	....	B	15000	Athens, Greece (643).
....		B	20000	Rabat, Morocco. "Radio-Maroc" (607).
....		B	10000	Sundsvall, Sweden (643).
607	....	B	....	Skoplje, Jugo-Slavia (607).
610	CX4	B	1000	Montevideo, Uruguay. Direccion de Agronomia, Uruguay 821.
....	JOJK	B	3000	Kanazawa, Japan.
....	KZRM	B	50000	Manila, Philippines. Regina Bldg., David, Manila.
....	XGSS	B	15	Tsunshi, China.
....	2FC	B	10000	Sydney, NSW, Australia. 96 Market St.
....		B	20000	Firenze, Italy. EIAR, via Rondinelli 10 (616).
615	MTNY	B	10	Yinki, Manchukuo. Manchuria Tele. & Teleg. Co.
616	RW79	B	....	Muransk, U. S. S. R. (616).
620	CB62	B	1000	Santiago, Chile. Radio Chilena, Edificio Mutual de la Armada.
....	LV3	B	2000	Cordoba, Argentina. Radio Cordoba, San Martin 74.
....	XHHK	B	100	Shanghai, China. Ministry of Communications.
....	XLHB	B	45	Shanghai, China. Hwa Tai Brdcastg. Station, Chen Lien Shen B37, Canton Road.
....	ZTE	B	50	Bloemfontein, U. of So. Af. So. African Brdcastg. Corp., Box 4559, Johannesburg.
....	3AR	B	10000	Melbourne, Australia. 120A Russel St.
....		B	15000	Brussels, Belgium. "No. 1," la Rue de Bastion (634).
....		B	20000	Cairo, Egypt. "No. 1" (744).
625	....	B	10000	Koubyshev, U. S. S. R.
629	LKA	B	100000	Vinra (Alesund) Norway (708).
....		B	20000	Lisbon, Portugal. "No. 1," Emissora Nacional.
630	CA63	B	250	Iquique, Chile. Voz Norte Antonio Cajiao, Cavanoha.
....	JOKK	B	500	Okayama, Japan.
....	LS3	B	5000	Buenos Aires, Argentina. Radio Ultra, Cordoba 653.
....	PRD6	B	250	Piracicaba, Brazil. Radio Club do Piracicaba.
....	4QN	B	7000	Cleveland, Australia. North Regional.
....	7ZL	B	1000	Hobart, Tas, Australia. Commercial Broadcasters, Pty. Ltd., 82 Elizabeth St.
638	....	B	120000	Prague, Bohemia-Moravia. "No. 1," The Radio Journal. (662).
....	XGAP	B	....	Peping, China.
640	ZEK	B	500	Hong Kong. Hong Kong Brdcastg. Committee, Box 200.
....	ZTJ	B	10000	Johannesburg, U. of So. Af. So. African Brdcastg. Corp., Box 4559.
....	5CK	B	7500	Crystal Brook, Australia.
648	RW29	B	100000	Lyon, France. "La Doua," 47 rue Gambetta (652).
650	CX6	B	10000	Petrozavodsk, U. S. S. R. (384).
....	JOUK	B	2000	Montevideo, Uruguay. Mercedes 823.
....	IYA	B	300	Akita, Japan.
655	VOMA	B	10000	Auckland, N. Z. N. Z. Brdcastg. Board, Shortland St.
658	....	B	100000	Battle Harbor, Labrador. Marconi Co.
660	XGZ	B	10000	Cologne, Germany. Dagoberstrabe 38 (684).
....	2DU	B	100	Nanking, China.
....	7BU	B	200	Uobbo, Australia. Western Broadcasters, Pty. Ltd., MacQuarrie St.
668	....	B	20000	Burnie, Australia. Burnie Brdcastg. Service, Pty., Ltd.
....		B	70000	Jerusalem, Palestine (571).
670	JOTK	B	500	Manchester, Gt. Britain. "North Regional."
....	LS4	B	7000	Matsuye, Japan.
....	PRA7	B	500	Buenos Aires, Argentina. Radio Portena, Belgrano 1841.
....	PRC5	B	2000	Ribeirao Preto, Brazil. Radio Club Ribeirao Preto, Rua Tiberica 26.
....	2CO	B	7500	Belam, Brazil. Radio Club do Para.
671	....	B	....	Corowa, Australia. Riverina Regional.
674	MTFY	B	3000	Moorside Edge, Gt. Britain.
675	ZTP	B	2000	Harbin, Manchukuo. Manchuria Tele. & Teleg. Co. Pretoria, U. of So. Africa. So. African Brdcastg. Corp., Box 4559, Johannesburg.
677	....	B	100000	Sottens, Switzerland. Speichergrasse 6, Eern. (699).
680	CB68	B	1000	Valparaiso, Chile. Metro; Renard y Garcia Tello.
....	HJN	B	500	Bogota, Colombia. Biblioteca Nacional.
....	JOVK	B	500	Hakodate, Japan.
....	PRC2	B	5000	Porto Alegre, Brazil. Radio Soc. Gaucha, Galeria Chaves.
....	2HR	B	300	Singleton, Australia. Hunter River Broadcasters, Pty., High St., West Maitland.
....	4AT	B	500	Atherton, Australia. Atherton Tablelands Broadcasters, Pty., Ltd., Main St.
....	4YZ	B	5000	Invercargill, N. Z. National Brdcastg. Service.

	7QT	B	300	Queenstown, Tas., Australia. West Coast Broadcasters, 21 Paterson St., Launceston.
686	....	B	20000	Belgrade, Jugoslavia (690).
680	CD69	B	....	Valdivia, Chile. "Radio Sur," C. Kahler y Cia., Casilla 642.
	JOBK1	B	10000	Osaka, Japan.
	LV6	B	500	Mendoza, Argentina. Radio Provincia de Mendoza.
	PRC7	B	250	Bello Horizonte, Brazil. Soc. Radio Mineira.
	PRD7	B	250	Sorocaba, Brazil. Radio Club Sorocabana.
	6WF	B	3500	Perth, Australia. Hay St.
695	....	B	120000	Paris, France. "Paris P.T.T.," 103 rue de Grenelle.
697	XGOY	B	250	Kunming, China. Ministry of Communications.
700	JOCG	B	700	Ashinawa, Japan.
	VPB	B	5000	Colombo, Ceylon. Central Telegraph Office.
	XMHC	B	500	Shanghai, China. Overseas China Brdstg. Station, 43 Ningpo St.
	ZP15	B	....	Villarrica, Paraguay.
	ZTX	B	10000	Pietermaritzburg, U. of So. Africa. So. African Brdstg. Corp., Box 4559, Johannesburg.
	2NR	B	7000	Grafton, Australia. Northern Rivers Regional.
704	....	B	55000	Stockholm, Sweden. Direction Gen. des Telegraphes de Suede. (762).
710	JODK2	B	10000	Keijo, Korea.
	LSI	B	5000	Buenos Aires, Argentina. Radio Municipal, Teatro Colon.
713	7NT	B	7000	Kelso, Australia.
	....	B	120000	Rome, Italy. "No. 1." E. I. A. R., via Montello 5. (735)
720	JFBK	B	1000	Taiwan, Formosa.
	JORK	B	500	Kochi, Japan. Mr. Matsuo, Manager.
	PRA8	B	25000	Pernambuco, Brazil. Radio Club do Pernambuco, Ave. Cruz Cabuga 394.
	XLHC	B	50	Shanghai, China. 32 Hsi Tang, Chia Nung, Nantao.
	XMHE	B	100	Shanghai, China.
	3YA	B	10000	Christchurch, N. Z. Nat'l. Brdstg. Service, Gloucester St.
	6GF	B	2000	Kalgoorlie, Australia. Goldfields Regional Station.
722	....	B	17000	Jaarsveld, Netherlands. NOZEMA (Nederlandsche Onroep Zender Maatschappij).
	RW4	B	10000	Kharkov, U. S. S. R. (807).
730	CB73	B	1000	Santiago, Chile. Ultimas Noticias, "Mercurio," Campania 1258.
	CX10	B	500	Montevideo, Uruguay. "Radio Ariel," Cerrito 661.
	JOCK1	B	10000	Nagoya, Japan.
	LVI	B	1000	San Juan, Argentina. Radio Graffigna, Mitre 1115.
	XHGS	B	50	Wuchow, China.
	SCL	B	4000	Adelaide, Australia. Hindmarsh Suare.
731	....	B	1000	Assiut, Egypt.
	EAJ2	B	3000	Madrid, Spain. Radio Espana.
	EAJ5	B	5500	Seville, Spain. (744).
	....	B	38000	Turi, Estonia. (744).
740	JOSK	B	1000	Kokura, Japan.
	PRA4	B	10000	Sao Paulo, Brazil. Radio Sociedade da Bahia, Pavilhao Passeio Publico.
	XHHB	B	100	Shanghai, China. Chien Hwa Brdstg. Station, 300 Ave. Foch.
	2BL	B	3000	Sydney, Australia. 96 Market St.
	....	B	100000	Munich, Germany. (771).
749	....	B	100000	Marseille, France. "Marseille-Provence." 34 rue Croix-de-Regnier. (780).
	....	B	1000	Porl, Finland. (526).
750	HS7PJ	B	15000	Bangkok, Siam.
	JFAK	B	10000	Taihoku, Formosa.
	KGU	B	2500	Honolulu, Hawaii. Advertiser Pub. Co., Advertiser Square.
750	LRA	B	10000	Buenos Aires, Argentina. Radio del Estado, Correos y Telegraphos.
	LUHO	B	20	T'ung Hsien, China. Lu Ho Middle School.
	XGOK	B	1000	Canton, China. Central Park.
	XQKB	B	150	Tientsin, China. Ministry of Communications.
	ZTD	B	500	Durban U. of So. Af. So. African Brdstg. Corp., Box 4559, Johannesburg.
758	VUT	B	5000	Trichinopoly, India. All-India Radio.
	....	B	10000	Katowice, Poland. (852).
760	CB76	B	10000	Valparaiso, Chile. Coop. Vitalicia, Agustinas 1253.
	JQAK1	B	1000	Dairen, Manchukuo. Manchuria Tele. & Teleg. Co.
	PRA6	B	10000	Sao Paulo, Brazil. Radio Educadora Paulista, Rua Jose Bonifacio 12.
	XLHI	B	7.5	Shanghai, China. Sinza Road.
	XLHJ	B	25	Shanghai, China. Ya Tung Brdstg. Station, 625 Ave. Edward VII.
	2YH	B	5000	Napier, N. Z. National Brdstg. Service.
767	....	B	60000	Burghead, Gt. Britain. (789).
	....	B	70000	Falkirk, Gt. Britain. Scottish Regional.
770	....	B	1000	Montevideo, Uruguay. Radio Westinghouse, Otimar 1364.
	JHK	B	10000	Sendai, Japan.
	XHD	B	75	Ningpo, China.
	3LO	B	10000	Melbourne, Australia. 120A Russel St.
776	....	B	250	Sortavala, Finland. (526).
	RW26	B	10000	Stalino, U. S. S. R. (979).
	....	B	120900	Toulouse, France. "Toulouse-Pyrenees." 50 rue Gambetta. (825).
780	CB78	B	1000	Santiago, Chile. Coop. Vitalicia, Agustinas 1253.
	JDDG	B	500	Hamamatsu, Japan.
	JOPK	B	500	Shizuoka, Japan.
	KZEG	B	1000	Manila, Philippines.

	LTI	B	5000	Rosario, Argentina. Radio Litoral, Cordoba 1169.
	XLHA	B	50	Shanghai, China. Sun Sun Brdctg. Station, Nanking Road.
	ZTJ	B	10000	Johannesburg, U. of So. Af. So. African Brdctg. Corp., Box 4559.
	2KA	B	1000	Katoomba, Australia. 2KA Ltd., 16 Barrack St.
	4TO	B	200	Townsville, Australia. AWA, Ltd., 47 York St., Sydney.
705	MTKY	B	10	Kiamushu, Manchukuo. Manchuria Tele. & Teleg. Co.
	.....	B	120000	Leipzig, Germany. (816).
709	.....	B		Westerlen, Gt. Britain.
790	JOGK	B	10000	Kumamoto, Japan.
	LR10	B	10250	Changsha, China.
	XGOV	B	10000	Buenos Aires, Argentina. Radio Cultura, Florida 570.
	4YA	B	10000	Dunedin, N. Z. Nat'l. Brdctg. Service, Stuart St.
	6WN	B	500	Perth, Australia. Nat'l Brdctg. Service.
795	EAJI	B	7500	Barcelona, Spain. Union Radio.
	.....	B	50300	Lwow, Poland. Polskie Radio, Rozglosnia we Lwowie.
800	JOKG	B	500	Kofu, Japan.
	PRA2	B	1500	Rio de Janeiro, Brazil. Ministerio da Educacao.
	XLHG	B	100	Shanghai, China. Tung Lu Brdctg. Station, Grand Hotel.
	4QG	B	2500	Brisbane, Australia. Aust. Brdctg. Commission, State Insurance Buildings.
804	.....	B	70000	Cardiff, Gt. Britain. Welsh Regional.
	.....	B	5000	Penmon, Gt. Britain. (871).
805	JBQK	B	50	Antung, Manchukuo. Manchuria Tele. & Teleg. Co.
	XGOF	B	500	Tsinan, China. Min. of Communication, Chung-Shan Park.
810	CX14	B	1000	Montevideo, Uruguay. El Espectador, Olimar 1364.
	J01K	B	10000	Sapporo, Japan. J. T. Okada, Ch. Engineer.
	VUC	B	1500	Calcutta, India. All-India Radio.
	XQKC	B	200	Tientsin, China. Min. of Communications.
	2YB	B	100	New Plymouth, New Zealand. Nat'l. Brdctg. Serv.
814	.....	B	50000J	Milano, Italy. "No. 1," EIAR, via Carducci 14.
815	ZTE	B	2000	Bloufontein, U. of So. Af. So. African Brdctg. Corp., Box 4559, Johannesburg.
820	CB#2	B	1000	Santiago, Chile. El Diario Ilustrado, Moneda 1158.
	JBBK2	B	500	Kojo, Korea.
	LVI	B	1000	Tucuman, Argentina. G. Acha Munoz y Cia., Mendoza 437.
823	LKD	B	10000	Bodo, Norway. (543).
	.....	B	12000	Bucuresti, Romania. Societatea Romana de Radiodifuziune, Str. Gral. Berthelot 60. (889).
830	J0FK	B	10000	Hiroshima, Japan.
	LR5	B	29000	Buenos Aires, Argentina. Radio Excelsior, Maipu 462.
	3GI	B	7000	Longford, Australia. Gippsland Regional.
832	LKK	B	20000	Kristiansand, Norway. (708).
	LKT	B	20000	Trondelag, Norway.
	.....	B	400	Paris, France. "Radio 37," Cie. Moderne de Radiodiffusion, 35 rue Francois I. (1483).
840	RW9	B	35000	Kiev, U. S. S. R. "No. 2," (871).
	CB#4	B	1000	Valparaiso, Chile. Radio del Pacifico.
	CC#4	B	100	Talcahuano, Chile. Radio Cultura, Ave. Latorre.
	JORG	B	300	Niigaki, Japan.
	LR8	B	500	Rosario, Argentina. Julio Blomberg, Sarmiento 958.
	PRHU	B	5000	Sao Paulo, Brazil. So. Bandeirante de Radiodifusao.
	XHHU	B	100	Shanghai, China, Ta Chung Hwa Station, 510 Nanking Road.
	2YC	B	5000	Wellington, N. Z. Nat'l. Brdctg. Service, Featherstone St.
	.....	B	100000	Berlin, Germany. Radio Reichssender. (880).
845	ZBW	B	2000	Hong Kong. Hong Kong Brdctg. Committee, Box 200.
850	CX16	B	2000	Montevideo, Uruguay. Radio Carve, 18 de Julio 928.
	EAI3	B	3000	Valencia, Spain.
	JBCK	B	10000	Seishin, Korea.
	LKP	B	1000	Porsurunn, Norway.
	LKS	B	100000	Stavanger, Norway. (961).
	2CY	B	10000	Canberra, Australia. Nat'l. Brdctg. Service.
	5RM	B	1000	Rehmark, Australia. River Murray Broadcasters, 29 Dundie St., Adelaide.
	.....	B	100000	Sofia, Bulgaria. (834).
854	OAX-1A	B	10000	Lima, Peru. Radio Nacional, Av. Petit Thouars, 447.
855	HSP1	B	2500	Bangkok, Siam.
858	VQ7L0	B	600	Nairobi, Kenya.
859	RW73	B	10000	Samboromb, U. S. S. R. (1060).
	.....	B	100000	Strasbourg, France. "Radio-Strasbourg," P. T. T., 18 rue Neue-Bleue. (898).
	PRA3	B	2500	Rio de Janeiro, Brazil. Radio Club do Brasil, Rua Betancourt da Silva 21.
860	2BH	B	100	Broken Hill, Australia. Radio Silver City, Box 143A, corner Blende and Sulphide Sts.
	4AY	B	500	Ayr, Australia. "The Voice of the Cane Fields," Ayr Broadcasters Pty., Ardmillan Road.
	7HO	B	500	Hobart, Tas., Australia. Commercial Broadcasters, 82 Elizabeth St.
868	.....	B	50000	Poznan, Poland. (970).
	.....	B	20000	Tunis, Tunisia. Radio Tunis, P. T. T. (943).
870	HJ3CAC	B	1000	Bogota, Colombia. La Voz de Bogota.
	JOAK2	B	150000	Tokyo, Japan.
	LR6	B	26000	Buenos Aires, Argentina. Radio Mitre, Santa Fe 2043.
	2GB	B	1000	Sydney, Australia. "The Nations Station," Adyar House, 29 Bligh St.
871	.....	B	.....	Washington, Gt. Britain.
877	.....	B	70000	London, Gt. Britain. London Regional.
880	J0QG	B	500	Norikawa, Japan.

	YV5RQ	B	....	Caracas, Venezuela. "La Voz de la Philco."
	1YX	B	100	Auckland, N. Z. Nat'l Brdstg. Service. Shortland St.
	2XL	B	100	Cooma, Australia. Cooma Broadcasters, Pty., Creniwell St.
	4WK	B	100	Warwick, Australia. Warwick Broadcasting Co., King and Albion St.
	6PR	B	500	Applecross, Australia. Nicholson's, Ltd., 86-90 Barrack St., Perth.
886	VUD	B	20000	Delhi, India. All-India Radio.
	....	B	15000	Graz, Germany. (925).
	....	B	15000	Linz, Germany. (1276).
890	CB49	B	1000	Santiago, Chile. Otto Becker. Ahuamada 113.
	CX18	B	1500	Montevideo, Uruguay. Radio Sport, Olimar 1364.
	JOLG	B	500	Tottori, Japan.
	MTBY	B	1500	Moukden, Manchukuo. Manchuria Tele. and Teleg. Co.
	5AN	B	500	Adelaide, Australia. Australian Brdstg. Comm.
	ZP9	B	1500	Asuncion, Paraguay.
895	....	B	10000	Helsinki, Finland. (1492).
	....	B	1500	Limoges, France. P. T. T., 6 Blvd. Victor Hugo.
900	CA90	B	100	Tocopilla, Chile. Hilda Guellar.
	CB90	B	1000	Valparaiso, Chile. "El Mercurio," Casino Vina del Mar.
	KZ1B	B	1000	Manila, Philippines.
	LU2	B	2000	Bahia Blanca, Argentina. Radio Bahia Blanca.
	PRB7	B	5000	Rio de Janeiro, Brazil. Rua Senador Dantas 82.
	XG01	B	500	Shanghai, China.
	2LM	B	500	Lismore, Australia. Richmond River Broadcasters, Box 3A, Molesworth St.
	3UL	B	200	Warragul, Australia, Argus Newspapers, 365 Elizabeth St., Melbourne.
904	....	B	100000	Hamburg, Germany. Reichssender Hamburg. (1024).
910	JOLK	B	500	Fukuoka, Japan.
	LR2	B	12000	Buenos Aires, Argentina. Radio Argentina, Bolivar 1356.
	XLLM	B	50	Amoy, China.
	4RK	B	2000	Rockhampton, Australia.
913	RW30	B	10000	Dnepropetrovsk, U. S. S. R. (1186).
	....	B	60000	Toulouse, France. 51 rue Alsace-Lorraine. (1060).
916	....	B	....	Brookmans Park, Gt. Britain. (916).
920	JOQK	B	500	Niigata, Japan.
	ZJV	B	400	Suva, Fiji. Amalgamated Wireless.
	2YN	B	30	Nelson, New Zealand. Nat'l. Brdstg. Service, Trafalgar St.
922	....	B	32000	Brno, Bohemia-Moravia. (1006).
930	CB93	B	2500	Santiago, Chile. "Radio Hucks," Providencia 1022.
	CX20	B	1000	Montevideo, Uruguay. Radio Montecarlo, Palacio Salvo 7 piso.
	JOAG	B	500	Nagasaki, Japan.
	3UZ	B	600	Melbourne, Australia. Nilsen's Brdstag. Serv., 45 Bourke St.
932	....	B	15000	Brussels, Belgium. No. 2. (952).
934	RW49	B	100000	Moscow, U. S. S. R. (934).
940	JOBK2	B	10000	Osaka, Japan.
	PRF4	B	10000	Rio de Janeiro, Brazil. Soc. Anonima Jornal do Brasil.
	XHHE	B	100	Shanghai, China. Li Shu Te T'ang Brd. Station, 150 Edinburgh Road.
	3ZR	B	100	Greymouth, New Zealand. Nat'l. Brdstg. Service.
	4QR	B	500	Brisbane, Australia. National Station.
941	....	B	12000	Algiers, Algeria. Rue Berthezena. (1042).
	....	B	10000	Goteborg, Sweden. (1042).
950	JOOG	B	500	Obihiro, Japan.
	LR3	B	31000	Buenos Aires, Argentina. Radio Belgrano, Belgrano 1841.
	XG0P	B	300	Peiping, China.
	2UE	B	1000	Sydney, Australia. 29 Bligh St.
	....	B	100000	Breslau, Germany. Schlesische Funkstunde, GMBH, Breslau 18. (988).
952	ZTP	B	2000	Pretoria, U. of So. Af. So. African Brdstg. Corp., Box 4559, Johannesburg.
959	....	B	60000	Paris, France. "Poste Parisien," 4 rue de General Foy. (979).
960	CB96	B	200	Coquimbo, Chile. Puerta Hermanos, Aldunate 1381.
	CC96	B	100	Curico, Chile. "Cervecera Curico," Merced 11.
	JQSG	B	500	Matsumoto, Japan.
	LV2	B	2000	Cordoba, Argentina. Radio Central, San Lorenzo 339.
	QAX4E	B	200	Lima, Peru. "Radio Golcocha," Jiron Ocona 158.
	PRF3	B	5000	Sao Paulo, Brazil. Radio Difusora Sao Paulo.
	YV5RA	B	5000	Caracas, Venezuela. "Broadcasting Caracas," Apartado 2009.
	5DN	B	500	Adelaide, Australia. 29 Rundle St.
961	....	B	....	Beirut, Lebanon. (961).
968	EA17	B	5000	Madrid, Spain. Union Radio, Aptdo. 745. (589).
	RW13	B	10000	Odessa, U. S. S. R. (1015).
	....	B	1500	Agen, France. Rue Amouroux. (979).
970	CB97	B	1000	Santiago, Chile. "Siam," Bolivar 1551.
	CX22	B	500	Montevideo, Uruguay. Fada Radio, 18 de Julio 1092.
	HJ3CAM	B	5000	Bogota, Colombia. Nueva Granada.
	HJ3CAW	B	2500	Bogota, Colombia. Nueva Granada.
	JODK1	B	50000	Keijo, Korea.
	3BO	B	300	Bendigo, Australia. AWA, 47 York St., Sydney.
971	....	B	2000	Montpellier, France.
974	HCBJ	B	1000	Quito, Ecuador. "La Voz de Quito," Clarence Jones, Casilla 691.
977	....	B	100000	Belfast, Gt. Britain. North Ireland Regional.
980	JOXK	B	500	Tokushima, Japan.
	PRE8	B	20000	Rio de Janeiro, Brazil. Soc. Radio Nacional, Rua Buenos Aires 120.
	PRI3	B	22000	Belo Horizonte, Brazil. Radio Inconfidencia de Minas Geraes.

	XMH8	B	500	Shanghai, China. Fo Yin Brdstg. Station, 418 Hart Road.
	2KM	B	100	Kempsey, Australia. Radio Kempsey, Ltd., 16 Barrack St., Sydney.
	2ZJ	B	250	Gisborne, New Zealand. Nat'l. Brdstg. Serv., 229 Gladstone Road.
	6AM	B	2000	Northam, Australia. 6 AM Broadcasters, Ltd., St. George's Terrace, Perth.
986	....	B	50000	Bologna, Italy. "Radio Marconi," E. I. A. R., piazza S. Martino I. (1033).
	....	B	24000	Torun, Poland. (1150).
.90	JOCK2	B	10000	Nagoya, Japan.
	LR4	B	16000	Buenos Aires, Argentina. Radio Splendid, Callao 1526.
	XGCK	B	75	Chuching, China.
	XGOD	B	2000	Hangchow, China.
	2GZ	B	2000	Orange, Australia. Country Brdstg. Serv., 8½ Pitt St., Sydney.
	2YD	B	200	Wellington, New Zealand. Nat'l. Brdstg. Serv., Featherstone St.
995	....	B	65000	Hilversum, Netherlands. Philips Gleeilampenfabriek, Ouden Engweg 4. (843).
1000	JOBG	B	500	Maebashi, Japan.
	OAX40	B	100	Lima, Peru. "La Voz de la Capital," Baquijano 790.
	PRB9	B	10000	Sao Paulo, Brazil. Radio Soc. Record, Praca da Republica 17.
	ZP3	B	300	Asuncion, Paraguay.
	4CA	B	200	Cairns, Australia. AWA, 47 York St. Sydney.
	4GR	B	500	Toowoomba, Australia. Gold Radio Service, T & G Bldg., Queen St., Brisbane.
1004	7EX	B	500	Launceston, Australia. 74 Charles St.
	....	B	13500	Bratislava, Slovakia. (1096).
1005	YV5RG	B	....	Caracas, Venezuela. "Ondas Populares."
1010	CB101	B	1000	Santiago, Chile. "Radio Mayo," Pasaje Matte 81.
	CX24	B	1000	Montevideo, Uruguay. "La Voz del Aire, 18 de Julio 928.
	JOPG	B	100	Kushiro, Japan.
	XGOW	B	5000	Hangkow, China.
	3HA	B	750	Hamilton, Australia. "The Age" Brdstg. Serv., 37 Gray St.
	4ZD	B	20	Dunedin, New Zealand. Nat'l. Brdstg. Serv., 180 Battery St.
	4ZM	B	30	Dunedin, New Zealand. Nat'l. Brdstg. Serv., 17 George St.
1013	....	B	70000	Daventry, Gt. Britain. Midland Regional.
1020	JOFFG	B	300	Fukui, Japan.
	2KY	B	1000	Sydney, Australia. Labor Council of N. S. W., 424 George St.
1022	EAJ15	B	3000	Barcelona, Spain.
	EAJ19	B	500	Oviedo, Spain.
	VUV	B	5000	Lucknow, India. All-India Radio.
	....	B	1700	Cracow, Poland. (1168).
1030	CD103	B	100	Magallanes, Chile. Ramon Verde S., Mexicano 936.
	JBAK	B	250	Fuzan, Korea.
	LR9	B	5000	Buenos Aires, Argentina. Radio Fenix, Talcahuano 1186.
	XGOL	B	1000	Foochow, China.
	3DB	B	600	Melbourne, Australia. Herald & Weekly Times, 36 Flinders St.
1031	CS2ZA	B	5000	Paredes, Portugal. Radio Club Portugues.
	....	B	100000	Konigsberg, Germany. (1078).
1040	CP4	B	10000	La Paz, Bolivia. Carlos Lopez Vedela, Casilla 637.
	HJ3CAZ	B	1100	Bogota, Colombia. La Voz de Colombia, Apto. 772.
	JONK	B	500	Nagano, Japan.
	PRG2	B	10000	Sao Paulo, Brazil. Radio Tupy Sao Paulo.
	RW70	B	10000	Leningrad, U. S. S. R. (1303).
	XHHH	B	100	Shanghai, China. Great China Dispensary, Foochow Road.
	SPI	B	2000	Brook, Australia. Midlands Brdstg. Serv., Weymouth, St., Adelaide.
	....	B	120000	Rennes, France. "Rennes-Bretagne," P. T. T., Hotel des Postes. (1105).
1050	CX26	B	1500	Montevideo, Uruguay. Radio Uruguay, Millan 2380.
	JOHG	B	500	Kaoshima, Japan.
	XHIE	B	100	Wusih, China.
	2CA	B	2000	Canberra, Australia. Canberra Broadcasters, Ltd.
	....	B	50000	Start Point, Gt. Britain.
1051	RW58	B	100000	Koursk, U. S. S. R. (1051).
	....	B	20000	Lisnagarvey, Gt. Britain. (1051).
1059	....	B	5000	Bari, Italy. E. I. A. R., via Putignano 247 (132).
1050	CB106	B	5000	Santiago, Chile. Seguros Sudamericana, Goycolea 0147 — Cisterna.
	HJ3CAG	B	251	Bogeta, Colombia. Radio Santa Fe.
	JOIG	B	500	Toyama, Japan.
	PRD2	B	5000	Rio de Janeiro, Brazil. Soc. Radio Cruzeiro do Sul, Rua Mariz e Barros 270.
	4SB	B	2000	Brisbane, Australia. South Burnett Brdstg. Co., Alfred St., Kingaroy.
1065	JQAK2	B	1000	Dairen, Kwantung. Manchuria Tele. & Teleg. Co.
1068	RW57	B	10000	Tiraspol, U. S. S. R. (114).
	....	B	2000	Paris, France. "Radio Cite," 1 Blvd. Haussmann. (1267).
1070	JOOK	B	300	Kyoto, Japan.
	LRI	B	50000	Buenos Aires, Argentina. "Radio El Mundo," Maipu 555.
	2RG	B	100	Griffith, Australia. Irrigation Area Newspapers, Box 388.
	6WB	B	2000	Katanning, Australia. Western Aust. Broadcasters, Lyric House, Murray St.

1077	....	B	5000	Bordeaux, France. "Bordeaux-Lafayette," P. T. T., 136 rue Ernest-Renan. (1204).
1080	HJ1ABH	B	500	Barranquilla, Colombia. "Emisora Atlantico." Apto. 445.
	JOJG	B	500	Yamagata, Japan.
	LT3	B	4500	Rosario, Argentina. Radio Soc. Rural de Cerealiatas, Pte. Boca 770.
	OAX4F	B	100	Lima, Peru. "Radio Castellano," Union 650.
	ZP7	B	700	Asuncion, Paraguay.
	4R0	B	100	Rockhampton, Australia. 43 Adelaide St., Brisbane.
	7HT	B	500	Hohart, Australia. Metropolitan Broadcasters, 44 Elizabeth St.
1086	VUL	B	5000	Lahore, India. All-India Radio.
	....	R	100000	Falun, Sweden. (1159).
	....	R	700	Zagreb, Jugo-Slavia.
1087	....	B	....	Droitwich, Gt. Britain. (1087).
1090	CC109	B	100	Rancaqua, Chile. "El Nacional," Independencia 483.
	CX28	B	1500	Montevideo, Uruguay. Edison Broadcasting, Convencion 1378.
	HJ5EA	B	251	Cali, Colombia. Radio Cali.
	JBBKI	B	500	Keijo, Korea.
	PRD4	B	500	Araraquara, Brazil. Radio Cultura Araraquara. Feijo 25.
	1ZB	B	1000	Auckland, New Zealand.
	3LK	B	2000	Lubeck, Australia. Herald & Weekly Times, 36 Flinders St., Melbourne.
1095	RW75	B	10000	Vinitza, U. S. S. R. (1447).
	....	B	20000	Fecamp, France. "Radio Normandie," Villa la Grandiere, (1420).
1100	OAX4I	B	250	Lima, Peru. La Voz de Lima, Casilla 1166.
	PRG9	B	20000	Sao Paulo, Brazil. Radio Excelsior.
	YV5RE	B	....	Caracas, Venezuela. "Ecos del Caribe," Antdo 963.
	4LG	B	500	Langreath, Australia. Central Western Brdstg. Co.
	7LA	B	500	Launceston, Australia. Findlay & Willis, 67 Brisbane St.
1104	....	B	50000	Kuldiga, Latvia. Rigas Radifons. (1123).
	....	B	50000	Tripoli, Libya. E. I. A. R. (1195).
1105	RW7I	B	....	Kalinin, U. S. S. R.
	....	B	....	Brest, France.
	....	B	....	Brittanv #2, France.
	....	B	....	Haifa, Palestine.
1110	CB11I	B	1000	Vina del Mar, Chile. "Los Castanos," Castanos 393.
	CD11I	B	100	Maratanes, Chile. "Radio Austral," Independencia s/n.
	LS5	B	5000	Buenos Aires, Argentina. Radio Rivadavia. Callao 1526.
	2UW	B	750	Sydney, Australia. Commonwealth Brdstg. Corp., 49 Market St.
1113	....	R	60000	Prague, Bohemia-Moravia. (1213).
1120	CD112	B	100	Osorno, Chile. David Arriagada, Baquedano 715.
	HJ3CAB	B	960	Bogota, Colombia. Nueva Granada.
	LV5	B	5000	San Juan, Argentina. Radio Los Andes. G. Acha 362.
	PRH8	B	5000	Rio de Janeiro, Brazil. Radio Ipanema.
	XLHN	B	200	Shanghai, China. Ya Sheng Brdstg. Station, 359 Rue Bayle.
	YV1RF	B	1000	Maracaibo, Venezuela. Ondas del Lago. Apto. 261.
	2ZB	B	1000	Wellington, New Zealand.
	4RC	B	1000	Brisbane, Australia. Commonwealth Brdstg. Corp., 13 Adelaide St.
1122	....	B	500	Alexandria, Egypt. No. 1. (1078).
	....	B	60000	Stanshaw, Gt. Britain. (1188).
1130	CB113	B	100	Quilota, Chile. Ricardo Mendez, Subida Barrn 91.
	CX30	B	1000	Montevideo, Uruguay. Radio Nacional, Pervenir 2304.
	HJ7GAE	B	350	Bucaramanga, Colombia. Radio Bucaramanga.
	XGOC	B	3000	Nanchang, China.
	ZPI	B	1000	Asuncion, Paraguay.
	2AD	B	150	Armidale, Australia. New England Broadcasters, 113 Faulkner St.
	6ML	B	500	Perth, Australia. W. A. Broadcasters, Ltd., Lyric House, Murray St.
1131	....	B	100000	Horby, Sweden. (1177).
1140	CB114	B	5000	Santiago, Chile. Radio del Pacifico, Huerfanos 1153.
	CW25	B	250	Durazno, Uruguay. Artola, Evangelisti y Cia.
	2HD	B	500	Newcastle, Australia. Airsals Brdstg. Co., Maitland Road, Box 123.
	4YD	B	200	Dunedin, New Zealand. Stuart St.
	....	B	10000	Genoa, Italy. No. 1. E. I. A. R., via San Luca 4.
	....	B	10000	Trieste, Italy. E. I. A. R., piazza Oberdan 5.
	....	B	30000	Turin, Italy. No. 1. E. I. A. R., via Arsenale 21.
1141	....	B	....	Bronkmans Park, Gt. Britain. (1141).
	....	B	....	Moorside Edge, Gt. Britain. (1141).
	....	B	....	Westerglen, Gt. Britain. (1141).
1149	....	B	40000	London, Gt. Britain. London National.
	....	B	40000	Manchester, Gt. Britain. North National.
	....	B	50000	Scottish National, Gt. Britain.
1150	HC2ET	B	300	Guayaquil, Ecuador.
	HJ5EAB	B	300	Cal. Colombia. La Voz del Valle.
	LR8	B	7000	Buenos Aires, Argentina. Radio Paris, Cangallo 860.
	OAX4H	B	60	Lima, Peru. Radio Davila, Filipinas 154.
	XG0Z	B	1000	Chinkiang, China.
	YV4RG	B	....	Maracay, Venezuela. La Voz de Aragua.
	2WG	B	2000	Wanga, Australia. Riverina Brdstg., Pty., Ltd., 16 Fitzmaurice St.
1158	....	B	....	Island of Cyprus.
	....	B	10000	Kassa, Hungary. (442).
	....	B	1500	Moravska-Ostrava, Bohemia-Moravia. (1366).
	....	B	1500	Presov, Slovakia. (1330).

1160	CB116 HJ3CA1 L75 PRH3 7ZR VUY	B B B B B B	1000 2400 500 5000 500 5000 15000	Valparaiso, Chile. Oscar Cornejo Marker, Prat 773. Bogota, Colombia. La Voz de la Victor. Resistencia, Argentina. Radio Chaco, Av. 9 de Julio. Sao Paulo, Brazil. Radio Piratininga. Hobart, Australia. Dacca, India. All-India Radio. Monte Ceneri, Switzerland. P. T. T., Speighergrasse 6, Bern. (534).
1170	CC117 CX32	B B	100 500	Concepcion, Chile. Radio Zenith, Colo-Colo 265. Montevideo, Uruguay. Radio Aguilera, Plaza Libertad 1332.
1176	PRC9 2NZ OXQ	B B B	500 2000 10000	Campinas, Brazil. Radio Educadora de Campinas. Inverell, Australia. Northern Broadcasters, Otho St. Copenhagen, Denmark. Stats Radio Fonien, Heibergsgrad No. 7. Santiago, Chile. "Baquedano," Portal Fernandez Concha.
1180	CB118 CW34 2ZM 3KZ	B B B	5000 250 15 600	Safo, Uruguay. Tribuna Saltana. Gisborne, New Zealand. Atwater Kent Radio Serv., 259 Gladstone Road. Melbourne, Australia. Brighton Brdcastg. Serv., 24-30 Victoria St.
1185	....	B	60000	Nice, France. "Nice Cote d'Azur," P. T. T., 2 Place Grimaldi. (1168).
1190	HJ1ABN LS2 2CH	B B B	251 30000 1000	Barranquilla, Colombia. La Voz de la Victor. Buenos Aires, Argentina. Radio Prieto, Bolivar 1356. Sydney, Australia. N. S. W. Council of Churches, 77 York St.
1195	....	B	25000	Frankfurt-am-Main, Germany. Eschersheimer, Landstrasse 33. (1258).
	....	B	5000	Freiburg-im-Breisgau, Germany. (1339).
	....	B	1500	Kassel, Germany. (1258).
	....	B	2500	Koblenz, Germany. (1258).
	....	B	2000	Trier, Germany. (1258).
1200	CB120 L7Y OAX1B PRB6	B B B B	1000 500 350 1000	Valparaiso, Chile. Ed. Diario La Union. Santa Fe, Argentina. Radio Roca Soler. Lima, Peru. Radio Grelaud, San Abancay 915-23. Sao Paulo, Brazil. Suc. Radio Cruzeiro do Sul, Largo da Misericordia 4.
	YV5RB 3YL	B B	.... 250	Caracas, Venezuela. Radiodifusora Venez. Christchurch, New Zealand. Nat'l. Brdcastg. Serv., Gloucester St.
	5KA	B	500	Adelaide, Australia. Sport Radio Brdcastg. Co., Richards Bldgs., Currie St.
1210	CD121 CX34 HJ1ABM LV10 2GF 3YB 6KG	B B B B B B B	100 500 251 500 200 200 500	Osorno, Chile. "Radio Austral," Eleuterio Ramirez 2930. Montevideo, Uruguay. Radio Artigas, Millan 2370. Montevideo, Colombia. Ondas del Sinu. Mendoza, Argentina. Radio de Cuyo. Grafton, Australia. 47 York St., Sydney. Warrnambool, Australia. Argus Brdcastg. Serv., 365 Elizabeth St., Melbourne.
	6KG	B	500	Kalgoorlie, Australia. Goldfields Broadcasters, 209 Hannon St.
1213	....	B	60000	Lille, France. "Radio PTT Nord," 36 Blvd. de la Liberte.
	....	B	....	Oran, Algeria. (1213).
1220	HJ3CAE PKA9 XQNG 4AK	B B B B	400 26000 200 2000	Bogota, Colombia. La Voz de Bogota. Rio de Janeiro, Brazil. Radio Soc. Mayrink Veiga. Shanghai, China. Osakey, Australia. Brisbane Brdcastg. Pty., 208 Queen St., Brisbane.
	4ZB	B	1000	Dunedin, New Zealand.
	....	B	100	Utrecht, Netherlands. v. V. Philips Radio.
1222	RW86	B B	.... 60000	Tchernigov, U. S. S. R. (1222). Rome, Italy. No. 2, E. I. A. R., via Montello 5 (1231).
1230	LS8 AL1R 2NC VUB	B B B B B B	15000 50 2000 1500 5000 5000 5000	Buenos Aires, Argentina. Radio Stentor, Florida 8. Newcastle, China. Newcastle, Australia. Hunter River Regional. Bombay, India. All-India Radio. Gleitwitz, Germany. (1429).
1231	....	B	5000	Gleitwitz, Germany. (1429).
1235	6CK	B	1000	Gleitwitz, Germany. (1429).
1240	CB124 HJ1ABF LU7 LV14 3TR 6IX	B B B B B B	250 251 2000 500 1000 500	Cork, Ireland. Dept. of Posts & Telegraphs. Valparaiso, Chile. "Radio Espana," Av. Brazil 2142. Cartagena, Colombia. La Voz de los Labs. Fuertes. Bahia Blanca, Argentina. Radio Gen. San Martin, Calle Sarmiento 60. La Rioja, Argentina. Radio provincia de La Rioja. Sale, Australia. broadcast entertainments, Pty. Perth, Australia. West Australian Newspapers, St. George's Terrace.
1249	....	B	17000	Saarbrücken, Germany. (1321).
1250	CB125 CX36	B B	1000 1000	Santiago, Chile. Consorcio Esp. Seg. Huerfanos 830. Montevideo, Uruguay. Centenario Broadcasting, Olimar 1304.
	HC2JB HJ1DAK OAX1L YV1RK IZM	B B B B B	30 750 60 250 1000	Guayaquil, Ecuador. Medellin, Colombia. La Voz de Antioquia. Lima, Peru. Radio Miraflores, Calle Blanco Capac 347. Maracaibo, Venezuela. Radio Popular, Aptdo. 247.
1258	....	B	1000	Auckland, New Zealand. Nat'l. Brdcastg. Serv.
	....	B	20000	Burgos, Spain.
	....	B	1000	Florence, Italy. No. 2, E. I. A. R. (798).
	....	B	15000	Riga, Latvia. Rigas Radiofons. (1195).
1260	CW36 HJ6FAX	B B	250 251	Safo, Uruguay. Radio Popelka. Manizales, Colombia. Emisora Electra.

	PRA5	B	5000	Sao Paulo, Brazil. Radio Club de Sao Paulo, Rua 7 de Abril 3.
	3SR	B	2000	Shepparton, Australia. Argus Brdstg. Serv., Elizabeth St., Melbourne.
1267	....	B	2000	Nurnberg, Germany. (518).
1270	CA127	B	100	Antofagasta, Chile. "Voz del Norte," Eduardo Lafont s/n.
	CC127	B	100	Chilhan, Chile. Rafael Barrios, Arauco entre Const-Roble.
	HJ2BAC	B	251	Cucuta, Colombia. La Voz de Cucuta.
	LS9	B	6000	Buenos Aires, Argentina. Radio La Voz del Aire, Pozos 439.
	YV3RA	B	....	Barquisimeto, Venezuela. La Voz de Lara.
	ZF4	B	150	Asuncion, Paraguay.
	ZS4	B	1000	Sydney, Australia. Wynyard Sq.
1276	LKF	B	1000	Fredrikstad, Norway.
1280	HJ7GAK	B	200	Bucaramanga, Colombia. Radio Santandar.
	PRG3	B	25000	Rio de Janeiro, Brazil. Radio Tupy, S. A.
	XHHQ	B	80	Shanghai, China.
	3AW	B	600	Melbourne, Australia. 3AW Brdstg. Co., 382 Latrobe St.
1285	4ZC	B	5	Cromwell, New Zealand. John I. Bilton. Lowburn Ferry.
	....	B	250	Duessen, Germany. (13-9).
	....	B	5000	Radnor, Gt. Britain. (Aberdeen). (1411).
1286	....	B	1000	San Sebastian, Spain. (1294).
1290	CX38	B	600	Montevideo, Uruguay. Radio El Mundo.
	HJ3CAK	B	251	Boyota, Colombia. Ecos del Tequendama.
	XGOB	B	500	Tsinan, China.
	XGOE	B	1000	Nanning, China.
	4BK	B	500	Brisbane, Australia. Brisbane Brdstg. Pty., 288 Queen St.
1294	....	B	....	Bilbao, Spain. (1294).
	....	B	....	Corinau, Romania. (1294).
	....	B	....	Fredrikstad, Norway. (1294).
	....	B	5000	Klagenfurt, Germany. (925).
	....	B	....	Noludden, Norway. (1294).
	....	B	5000	Vorarlberg, Germany.
1300	CB130	B	1000	Santiago, Chile. Victor Wiedmaier, Av. J. D. Canas 565.
	....	B	....	La Paz, Bolivia.
	CPX	B	5000	Salto, Uruguay. Radio Lanza.
	CW38	B	250	Cali, Colombia. Radio Jorge Isaacs.
	HJ5EAC	B	250	Santa Fe, Argentina.
	LT10	B	500	Mar del Plata, Argentina. Radio Atlantica.
	LU6	B	500	Lima, Peru. Radio Dusa," Camana 372.
	OAXAC	B	60	Bello Horizonte, Brazil. Radio Guarany.
	PRH6	B	3000	Shanghai, China.
	XQCT	B	200	Shanghai, China. Ministry of Communications.
	XQHC	B	2000	Tamworth, Australia. Tamworth Radio Development Co., Danzig Free City. (1357).
	2TM	B	2000	Naples, Italy. No. 1, E. I. A. R., via Roma 429.
1303	....	B	500	Barranquilla, Colombia. "La Voz de la Patria."
	....	B	1000	La Plata, Argentina. Radio Prov. de Buenos Aires.
1310	HJ1ABK	B	251	Adelaide, Australia. Advertiser Newspapers, Ltd., Weymouth St.
	LS11	B	1000	Copenhagen, Denmark. (1312).
	5AD	B	500	Coruna, Spain. (1312).
1312	....	B	....	Karlstad, Sweden. (1402).
	....	B	....	Malmo, Sweden. (1042).
	....	B	250	Norrkoping, Sweden. (1402).
	....	B	....	Spiit, Jug-Slavia. (1312).
	....	B	....	trotljattan, Sweden. (1402).
	....	B	....	Vigo, Spain. (1312).
1320	CB132	B	1000	Valparaiso, Chile. David Wallace, Esmeralda 1111.
	CD132	B	100	Vadivia, Chile. Carlos Kahler, Isla Teja.
	HJ10AQ	B	1800	Medellin, Colombia. Emisora Claridad.
	KGMB	B	1000	Honolulu, Hawaii. Honolulu Brdstg. Co., Box 531.
	PRD8	B	1000	Niehtheroy, Brazil. Radio Club Flumenense.
	PRD9	B	500	Sao Paulo, Brazil. Radio Soc. Sorocaba.
	PRF9	B	2000	Fortaleza, Brazil. Ceara Radio Club.
	PRH4	B	2000	Sao Paulo, Brazil. Soc. Difusao Radiocultura.
	YV5RS	B	....	Caracas, Venezuela. Av. 100. 185.
	3BA	B	500	Jaurarar, Australia. 50 Lydiard St.
1321	....	B	27000	Antibes, France. "Radio Mediterraneo," Place aux Fleuris. (1304).
1330	CC133	B	100	Chilhan, Chile. Miguel Arrau, 5 de Abril 507.
	CX40	B	500	Montevideo, Uruguay. Radio Fenix, Chayos 4534.
	HJ1ABA	B	251	Barranquilla, Colombia. E. J. Pellet, Box 751.
	3SH	B	100	Swan Hill, Australia. Swan Hill Brdstg. Co., Campbell St.
	4BU	B	500	Bundaberg, Australia. 117 Bourong St.
	....	B	2000	Bremen, Germany. (1474).
	....	B	2000	Manuver, Germany. (1474).
	....	B	500	Magdeburg, Germany. (1474).
	....	B	1500	Mettin, Germany. (1474).
1332	ZHL	B	....	Singapore, Straits Settlements.
1339	RW20	B	....	Krakov, U. S. S. R. (1339).
	....	B	....	Bregenz, Germany. (1339).
	....	B	2000	Lodz, Poland. (1483).
	....	B	1000	Montpellier, France. "Montpellier-Languedoc," P.T.T., 9 Blvd. General Sarrail. (1330).
1340	CB134	B	1000	Santiago, Chile. Radio Vestal, Gumericindo 885.
	HJ5EAF	B	251	Cali, Colombia.
	LT7	B	500	Corrientes, Argentina. Radio Provincia de Corrientes.

	PRE4	B	5000	Sao Paulo, Brazil. Radio Cultura A Voz de Espaço.
	2LF	B	300	Young, Australia. 9 Bligh St., Sydney.
1348	CS2ZL	B	2000	Lisbon, Portugal. Radio Renascenca, Rua do Capelo 5-2 esq.
	LKR	B	150	Rjukan, Norway.
	2RN	B	500	Dublin, Ireland. Dept. of Posts & Telegraphs (1366).
	....	B	500	Cairo, Egypt. No. 2. (370).
	....	B	1500	Konigsberg, Germany. No. 2. (1438).
	....	R	....	Padua, Italy. (1357)
	....	B	2000	Paris, France. "L'Ille de France," 11 rue Christoph Colomb. (1366).
	....	B	2000	Salzburg, Germany. (518).
	....	B	700	Tampere, Finland. (1366).
1350	HJ4DAC	B	251	Medellin, Colombia. La Voz de la Montana.
	HJ6FAF	B	453	Pereira, Colombia.
	LS6	B	6000	Buenos Aires, Argentina. Radio del Pueblo, Cordoba 1580.
	YV4RA	B	....	Valencia, Venezuela. La Voz de Carabobo.
	3GL	B	500	Geelong, Australia. Geelong Broadcasters, James St.
1357	LKN	B	250	Norway.
	....	B	1000	Ancona, Italy. E. I. A. R. (1303).
	....	B	1000	Bari, Italy. No. 2. E. I. A. R., via Putignano 247.
	....	B	....	Reveneto, Italy. (1357).
	....	B	....	Catanzaro, Italy. (1357).
	....	B	5000	Genoa, Italy. No. 2. E. I. A. R., via S. Luca 4. (1303).
	....	B	4000	Milan, Italy. No. 2. E. I. A. R., via Carducci 14. (1303).
	....	B	1000	Rome, Italy. No. 3. E. I. A. R., via Montello 5. (1303).
	....	B	5000	Turin, Italy. No. 2. E. I. A. R., via Arsenale 21. (1303).
1360	CD136	B	100	Magallanes, Chile. Voz del Sur, Valdivia 250.
	PRC8	B	5000	Rio de Janeiro, Brazil. Radio Soc. Guanabara. Rua 1st de Mayo 123.
	3MA	R	200	Mildura, Australia. Sunraysia Broadcasters, 22 Deakin Ave.
	4PM	B	100	Port Moresby, Papua. AWA, 47 York St., Sydney, Australia.
1363.5	....	B	....	Thessalonica, Greece. (789).
1376	....	B	25000	Bordeaux, France. "Sud Ouest," 5000 rue de la Gare (1330).
	....	B	....	Brno, Bohemia-Moravia, No. 2. (1366).
	....	B	....	Malta (1366).
	....	B	1000	Tallin, Estonia. (1375).
1370	CC137	B	100	Tampere, Finland. Carlos Kahler, Ed. Teatro Centro.
	CW41	R	250	San Jose, Uruguay.
	CK42	R	500	Manitoba, Winnipeg. Tribuna Sonora, Av. Italia 2616.
	HJ4DAT	B	251	Medellin, Colombia. Radio Notivara.
	PRC4	B	250	Blumenau, Brazil. Radio Club de Blumenau.
	PR12	B	250	Marila, Brazil. Radio Club de Marila.
	YV5RI	B	....	Caracas, Venezuela. La Voz de la Esfera, Aptdo. 1008.
	2M0	R	100	Gunnedah, Australia. Marquis St.
	5SE	R	100	Mount Gambier, Australia. Weymouth St. Adelaide.
	6GE	B	500	Geraldton, Australia. E. S. and A. Bank Bldgs.
1375	....	B	500	Basle, Switzerland.
	....	B	....	Jannina, Greece. (1375).
1380	CB138	B	5000	Santiago, Chile. El Mercurio, Compania 1288.
	HJ3CAJ	R	300	Rogota, Colombia. Radio Mundial.
	HJ4OAR	B	251	Medellin, Colombia. Voz del Triunfo.
	4B8	R	1000	Brisbane, Australia. Albert & Charlotte Sts.
1384	....	R	7000	Warsaw, Poland. No. 2. (1516).
1389	....	B	200	Chst. Czechoslovakia.
1390	CB139	B	1000	Valparaiso, Chile. Radio Ford. Av. Brazil esq. Av. Francia.
	HJ6FAD	B	480	Manizales, Colombia. Radio Manizales.
	LR11	B	500	La Plata, Argentina. Radio Univ. Nacional de La Plata.
	2GN	B	200	Goulburn, Australia. 47 York St., Sydney.
	4MK	B	100	Mackay, Australia. Mackay Brdcto. Serv., 64 Nelson St.
	6PM	R	500	Fremantle, Australia. St. George's Terrace, Perth.
1393	....	B	25000	Lyon, France. "Radio Lyon," 39 rue de Marsaille. (1285).
1400	CB140	B	100	San Antonio, Chile. "Vina Santa Rita," Pob. Coon. Victoria. Casa 12.
	HJ1ABR	B	251	Cartagena, Colombia. Radio Cartagena.
	KHBC	B	250	Hilo, Hawaii. Honolulu Brdcto. Co., Ltd., Box 595.
	PRD5	B	5000	Rio de Janeiro, Brazil.
	YV1RC	B	600	Maracaibo, Venezuela. La Voz de la Fe.
	YV6RA	B	200	Caracas, Venezuela. Ecos del Orinoco, Aptdo 31.
	2PK	R	200	Parkes, Australia. 283 Clarinda St.
	2ZA	R	100	Palmerston North, New Zealand.
	4MB	B	200	Maryborough, Australia. 43 Adelaide St., Brisbane.
	5AU	B	200	Port Augusta, Australia.
	....	B	200	Derby, Australia. North East Tasmania Radio Broadcasters. 67 Brisbane St., Launceston.
1405	OX X6B	B	60	Arequipa, Peru. Maximo J. Landa, Sucre 409.
1410	CC141	B	100	Concepcion, Chile. Radio Phillips, Caupolican 370.
	CW37	B	1000	Colonia, Uruguay. Bernotti Montellanos.
	HJ1ABL	B	251	Monteria, Colombia.
	PRE7	B	5000	Sao Paulo, Brazil. Radio Cosmos, Praca Marechal Deodoro 52.
	2K0	B	500	Newcastle, Australia. 72 Hunter St.
1411	CS2XA	B	250	Porto Portugal. Antero Calheiros Lobo (Sonora Radio). Rua Sa da Bandeira 249.
	CS2ZD	B	100	Lisbon, Portugal. Americo dos Santos (Radio Graça). Rua Afonso Domingues-Letras.
	CS2ZE	B	100	Lisbon, Portugal. Fernando Cardelino de Medeiros (Radio Hertz), Rua de Cardal.

	CS2ZF	B	100	Lisbon, Portugal. Luis Rau Salles (Radio Lisboa), Rua Andrade.
	CS2ZH	B	100	Lisbon, Portugal. Joao Dias Pais (Radio Luso), Rua dos Acores, 12 r/c.
	CS2ZI	B	100	Lisbon, Portugal. Amadeu Rodrigues Laranjeira (Radio Peninsular), Trav. da Pereira (a Graça).
	CS2ZM	B	100	Lisbon, Portugal. Francisco Lacombe Neves (Radio Sonora), Rua Morais Soares 88.
	CS2ZN	B	100	Lisbon, Portugal. Club Radiofonico de Portugal, Rua Visconde Jeremias.
	CS2ZO	B	100	Lisbon, Portugal. Hertziana, Lta., Av. Alferes Malheiro.
	CS2ZV	B	100	Funchal, Madeira. Gabriel Ornelas, Rua S. Pedro 3.
	....	B	20000	Chisinau, Romania. "Radio Basarabia." Str. Gral. Berthelot, Bucuresti.
1420	HJ4DA1	B	30	Yarumal, Colombia. Ecos del Norte.
	HJ4DAV	B	250	Medellin, Colombia. La Voz del Hogar.
	PRE2	B	2000	Curitiba, Brazil. Radio Club Paranaense.
	VUM	B	250	Madras, India. All-India Radio.
	XMHD	B	1000	Shanghai, China. Foo Yin Brdstg. Station, 13 Museum Road.
	3XY	R	600	Melbourne, Australia. Princess Theater.
	....	R	10000	Vaasa-Vasa, Finland. O. V. Sunnen Yliopisto.
1429	CS2XE	B	100	Porto, Portugal. Ideal Radio, Lta., Rua Alferes Malheiro 117.
	CS2XI	B	100	Porto, Portugal. J. Vieira & Martins, Rua da Terceira 11.
	CS2XK	B	100	Porto, Portugal. Lab. Technico Electr. Mecanico, Rua Alexandre Gusmano, 398, 200.
	CS2XL	B	100	Porto, Portugal. Portuguese Radio Club, Rua Sta. Ildefonso 14.
	....	B	500	Alexandria, Egypt. No. 2.
	....	B	2500	Kaiserslautern, Germany. (1356).
	....	R	1000	Milano, Italy. No. 3 F. I. A. R. (1438).
	....	B	1000	Milano, Italy. No. 2 F. I. A. R. (1438).
	....	R	5000	Milano, Italy. No. 1 F. I. A. R. (1438).
	....	R	500	Turku, Finland. (1433).
1430	OCI43	B	100	Talca, Chile. Radio Atacama, Molina Santoval.
	HJ4DA1	B	250	Ciencia, Colombia. Ecos del Cordoba.
	PRE2	B	5000	Rio de Janeiro, Brazil. Soc. Radio Cajuru, Rua Conde de Bonfim 457.
	3WL	R	500	Wollongong, Australia. Church & Edward St.
	3ZB	B	1000	Chilteburch, N. Z.
1440	CB141A	B	100	Santiago, Chile. "Macometo," Av. Jose M. Infante 2000.
	CR141C	R	100	Santiago, Chile. "Radio Canec." Ed. La Nacion.
	CR141D	R	150	Santiago, Chile. "Radio Service." Camellas 2000.
	PRF7	R	10000	Buenos Aires, Argentina.
	PRF9	B	3000	Porto Alegre, Brazil. Empresa Radiodifusora Portoalegrense.
	PRG8	R	500	Coimbra, Brazil. Soc. Radio Mantiqueira.
	PRG9	R	250	Batavia, Brazil. Rádio Radio Club.
	20N	R	100	Doolingup, Australia. End St.
	41P	B	1000	Inselbach, Australia. Brisbane St.
1450	OC145	B	100	Rancagua, Chile. "Coloana." Brazil 1171.
	CX46	B	500	Montevideo, Uruguay. "Radio America."
	H15FA9	B	200	Popayan, Colombia.
	PRR4	B	1000	Santos, Brazil. Rua da Pedro II-16.
	PRH5	B	250	Passo de Caldas, Brazil.
	XG0A	R	10000	Chungking, China.
	2M2	R	100	Mudana, Australia. 100 Church St.
	5MU	R	100	Murray Bridge, Australia. Weymouth St., Adelaide.
1456	....	B	5000	Paris, France. "Tour Eiffel." Grand Palais, Paris (1991).
1460	CW47A	B	250	San Jose, Uruguay.
	H11A1	B	300	Rarranquilla, Colombia.
	PRF2	R	250	Rio Claro, Brazil. Radio Club de Rio Claro.
	PRF7	R	250	Campos, Brazil. Radio Cultura de Campos.
	705	R	150	Assuncao, Paraguay.
	2CK	B	300	Cessnock, Australia. Coalfields Brdstg. Co., 97 Vincent St.
	7UW	B	300	Ulverstone, Australia. Northern Tasmania Broadcasters, Raiby St.
1470	H16FA7	B	251	Peraila, Colombia. La Voz de Peraila.
	1711	B	500	Parana, Argentina. Radio Provincia de Entre Rios.
	PRF6	B	1000	Niteroi, Brazil. Radio Soc. Fluminense.
	PRG4	B	250	Jaboatã, Brazil. Radio Club Jabotical.
	2MW	B	100	Mөөдөлүнбаһ, Australia. Tweed Radio Brdstg. Co., Commercial Road.
	3CV	B	200	Charlton, Australia. Central Victoria Broadcasters, Bendigo.
1474	....	B	20000	Clowden, Ct. Britain.
1480	PRB5	B	250	Franca, Brazil. Radio Club Hertz.
	PRP3	B	1000	Estanlis, Brazil. Radiodifusora.
	2AY	R	200	Albury, Australia. AWA, 47 York St., Sydney.
1490	CX48	B	500	Montevideo, Uruguay. Estacion Femenina, 18 de Julio 1333.
	2BE	B	100	Bega, Australia. Bega and Far South Coast Broadcasters, Carp St.
	4ZP	B	100	Roma, Australia. Marana Broadcasting Co., Bowen St.
1492	CS2XB	B	100	Porto, Portugal. Invicta Radio, Lta., Rua Sta. Catarina 304-308.
	CS2XF	B	100	Porto, Portugal. Radio Porto Lta., Rua das Clerigos 64.
	....	B	700	Nimes, France. 2 rue des Greffes. (1285).
1500	CR150	B	10000	Santiago, Chile. Markoff Hnos.
	CR150A	B	25	Amadas, Colombia.
	H15FAJ	B	250	Delaware, India. All-India Radio.
	VUP	B	250	Maracaibo, Venezuela. Ecos del Zulia, Aptdo. 37.
	YV1RA	B	150	

	2BS	B	100	Bathurst, Australia. 51 Keppell St.
	3AK	B	200	Melbourne, Australia. 480 Bourke St.
	.....	B	.....	Saigon, French Indo-China. "Radio Boy-Landry"
1510	HJ7GAF	B	5	Etablissements Boy-Landry.
	YDA	B	25	Barrancabermeja, Colombia.
1530	.....	B	200	Tandjongplok, Java. N. E. I.
1596	WPGG	SP	500	Vaduz, Liechtenstein (1510).
	WPGQ	SP	600	Karlskrona, Sweden. (1519).
	WPHC	SP	400	Findlay, Ohio.
	WPHK	SP	400	Columbus, Ohio.
	WPHT	SP	400	Masillon, Ohio.
	WPFT	SP	100	Wilmington, Ohio.
1600	VPC	P	.....	Cambridge, Ohio.
	VPH	P	.....	Portable in Ohio.
1602	KAIQ	G	6	Midland, Jamaica.
	KAUW	G	8	Kingston, Jamaica.
1606	WSXGN	E	10	Portable. Seismic Explorations, Inc. of Del.
	CJM	CHT	.....	Portable. Esme Eugene Rosaire, Houston, Tex.
	KAIH	RR	25	Dallas, Texas. Magnolia Petroleum Co.
	KGXW	RR	25	Portland, P. E. I. Canadian Nat'l. R. R.
	KIKP	T	.....	Portable. Earl C. Anthony, Inc.
	WAAO	RB	100	Pt. Alexander, T. A. Karl Hansen.
	WAFY	RB	25	Ruby, Alaska.
	WAHE	RB	50	Risingington, Ill. A. M. & D. C. McGregor.
	WAGE	RB	50	St. Paul, Minn. Minn. Brdstg. Corp.
	WDAJ	RB	40	Norfolk, Va. WTAR Radio Corp.
1610	WGTO	RB	25	Annapolis, Md. Martin O'Brien.
	WQKY	SP	45	Tampa, Fla. Tampa Times.
	WOPC	SP	1000	Wilson, N. C. WGTM, Inc.
	WOPD	SP	1000	Mobile in Illinois.
	WOPF	SP	1000	Chicago, Ill. State of Ill.
	WOPG	SP	1000	Duquoin, Ill. Same.
	WOPJ	SP	250	Emingham, Ill. Same.
	WOPM	SP	1000	Sterling, Ill. Same.
	WOPP	SP	1000	French Village, Ill. Same.
	WQPS	SP	1000	Macomb, Ill. Same.
	WQPX	SP	500	Pontiac, Ill. Same.
	WQPY	SP	.....	Springfield, Ill. Same.
	WRHI			Portable in Ill. Same.
	WRHJ			
	WRHK	SP	45	Mobile in Ill. Same.
	WRHL			
	WRHN			
	WRHO	SP	45	Mobile in Ill. Same.
	WRHP	SP	45	
1614	K6XAK	F	1500	Kaena Point, Oahu. T. H. Globe Wireless, Ltd.
	W6XQW	E	1000	Palo Alto, Calif. Stamford University.
	W6XKT	E	5000	Portable. Press Wireless, Ltd.
	W8XUK	E	10	Portable. W. Va. Univ. Dept. of Physiks.
	W8XUL	E	10	Portable. Same.
	W9XEI	E	400	Lake Bluff, Ill. Thorne Donnelly.
1622	W10XJJ	E	25	Harvey Radio Labs., Inc.
	KAAR	RB	40	Denver, Colo. KLZ Brdstg. Co.
	KAMH	.....	30	Chignik, T. A. Alaska Packers Ass'n.
	KAMI	.....	30	Laurson Bay, T. A. Same.
	KAMJ	.....	30	Chignik, T. A. Same.
	KAMK	.....	30	Becharof, T. A. Same.
	KAML	.....	30	Naknek, T. A. Same.
	KAMN	.....	30	Uyak Bay, T. A. Same.
	KANL	.....	50	Red Bluff Bay, T. A. Red Bluff Bay Fisheries, Inc.
	KAOE	RB	60	Shenandoah, Iowa. KFNF, Inc.
	KAOF	RB	50	Shenandoah, Iowa. KFNF, Inc.
	KBOL	RB	20	Omaha, Nehr. Woodmen of the World.
	KDEA	RB	40	Portable. KANS.
	KDJB	RB	125	Mason City, Iowa. Globe-Gazette.
	KGXU	.....	10	Pt. Armstrong, T. A. Buchan & Heinen Packing Co.
	KIJK	C	10	Kuiu Island, T. A. Storford & Grandahl Packing Co.
	KIJO	.....	10	Pt. Herbert, T. A. Pt. Herbert Packing Co.
	WAHL	RB	40	Paducah, Ky. Paducah Brdstg. Co.
	WAKS	RB	100	Akron, Ohio. Allen T. Simmons.
	WAUT	RB	50	Evansville, Ind. Evansville on the Air, Inc.
	WAXE	RB	500	Richmond, Va. Havens & Martin, Inc.
	WBAO	RB	2	Newark, N. J. Bamberger Brdstg. Serv.
	WBAQ	RB	30	Newark, N. J. Same.
	WHMB	RB	10	Anniston, Ala. WHMA.
	WNYK	RB	80	New York City. N. Y. C. Municipal Brdstg. Sys.
	WNYL	RB	50	New York City. Same.
	WNYN	RB	3	New York City. Same.
	WNYO	RB	3	New York City. Same.
	WRDI	RB	100	Danville, Ill. Northwestern Pub. Co.
	WTHB	RB	40	Tampa, Fla. WFLA.
1624	WTNK	RB	40	Trenton, N. J. WOAX, Inc.
	CY2T	.....	.....	Berens River, Man. Man. Dept. of Mines & Natural Resources.

This list will be continued in the October issue.

Applications to the FCC

KABC, San Antonio, CP 630 kcs. 1000(5) unlt'd.

KECA, Los Angeles, CP move to San Diego.

KEEN, Seattle, CP 1370 kcs. to 1420 kcs.

KERN, Bakersfield, CP 1380 kcs., 1000 w.

KEX, Portland, CP 1160 kcs. unlt'd.

KFBB, Great Falls, mod. of lic. for 900 kcs., 5 kw.

KFIZ, Spokane, CP 950 kcs., 1 kw. unlt'd.

KFIZ, Ft. Worth, CP 930 kcs., 500 w. unlt'd.

KFNF, Shenandoah, mod. of CP to move to Council Bluffs.

KFPW, Ft. Smith, CP 1370 kcs.

KFRU, Columbia, CP 1370 kcs., 100(25) unlt'd.

KGLO, Mason City, CP 1270 kcs., 1 kw. unlt'd.

KGMB, Honolulu, CP 590 kcs. 1000(5) unlt'd.

KMAC, San Antonio, CP 930 kcs., 1000 w. unlt'd.

KOH, Reno, CP 630 kcs., 1 kw. unlt'd.

KOVC, Valley City, CP 1340 kcs., 500(1).

KOY, Phoenix, mod. of lic. for 550 kcs.

KRMC, Jamestown, CP 900 kcs., 1 kw.

KROC, Rochester, CP 920 kcs., 500(1) unlt'd.

KRRV, Sherman, CP 880 kcs., 1 kw. unlt'd.

KSD, St. Louis, CP 630 kcs.

KSEI, Pocatello, CP 600 kcs., 1 kw. unlt'd.

KTAT, Ft. Worth, CP Wichita Falls, 1000(5).

KTBS, Shreveport, CP 620 kcs., 1000(5) unlt'd.

KUTA, Salt Lake City, CP 570 kcs., 1 kw.

KWK, St. Louis, CP 630 kcs.

KXL, Portland, CP 730 kcs., 10 kw. unlt'd.

KXOK, St. Louis, CP 630 kcs., 1000(5).

WABI, Bangor, CP 560 kcs., 1 kw. unlt'd.

WAPI, Birmingham, CP 1070 kcs., 50 kw. unlt'd.

WAPQ, Chattanooga, CP 1120 kcs., 500(1) unlt'd.

WAZL, Hazleton, mod. of lic. 1420 kcs., 100 w. unlt'd.

WCAD, Canton, CP Watertown, N. Y.

WCBS, Springfield, CP 1290 kcs., 500(1).

WDAE, Tampa, mod. of lic., 780 kcs.

WEBQ, Harrisburg, mod. of lic. for 1310 kcs., 100(25) unlt'd.

WFOY, St. Augustine, CP 1220 kcs., 1000(5).

WGAN, Portland, CP 1390 kcs., 1000(5) unlt'd.

WGBF, Evansville, CP 1250 kcs., 1000(5) unlt'd.

WGRC, New Albany, CP 880 kcs., 250 w. unlt'd.

WGTM, Wilson, CP 1240 kcs., 500 w.

WHA, Madison, CP 670 kcs. 50 kw. unlt'd. (facilities of WMAQ).

WHKC, Columbus, mod. of lic. 570 kcs. S.H.

WJMS, Ashland, CP 1370 kcs. 100 w. unlt'd.

WKAQ, San Juan, CP 620 kcs. 5 kw.

WLAP, Lexington, CP 1270 kcs. 1 kw. unlt'd.

WMBC, Detroit, CP 600 kcs. 250 w. unlt'd.

WMBR, Jacksonville, CP 1120 kcs. 500(1) unlt'd.

WMFF, Plattsburg, CP 1240 kcs. 1 kw.

WNBX, Springfield, CP Keene, N. H., 1 kw. unlt'd.

WOC, Davenport, CP 1390 kcs. 1 kw. unlt'd.

WPG, Atlantic City, CP New York (facilities WBIL and WOV).

WPRP, Ponce, CP 1480 kcs. 5 kw. unlt'd.

WREN, Lawrence, CP Kansas City.

WROL, Knoxville, CP 620 kcs. 500(1).

WSBT, South Bend, CP 930 kcs. 500 w. unlt'd.

WSFA, Montgomery, CP 1410 kcs. 1 kw. unlt'd.

WSPR, Springfield, mod. of lic. for 1240 kcs. 250 (5) unlt'd.

WTCN, Minneapolis, CP 710 kcs. 10 kw. unlt'd.

Applications for New Stations

Akron, Ohio, Summit Radio Corp., 1530 kcs. 1 kw. unlt'd.

Albemarle, N. C., Albemarle Brdcastg. Station, 1370 kcs. 100 w. days.

Ashlund, Wis., WJMS, Inc., 1370 kcs. 100 w. unlt'd.

Asheville, N. C., Publix-Bamford Theaters, Inc., 1430 kcs. 1 kw. unlt'd.

Atlantic City, N. J., Atl. City Brdcastg. Co., 1100 kcs. 5 kw. sharing with WBIL.

Atlantic City, N. J., Neptune Brdcastg. Corp., 1420 kcs. 100(25).

Bellingham, Wash., Bell Brdcastg. Co., Inc., 1200 kcs. 100(25).

Birmingham, Ala., B. News Co., 590 kcs. 1 kw. unlt'd.

Boston, Mass., Mayflower Brdcastg. Corp., 1410 kcs. 500(1).

Bridgeport, Conn., Chas. Greenblatt, 1190 kcs. 250 w. ltd.

Bridgeport, Conn., Harold Thomas, 1310 kcs. 100(25) unlt'd.

Brown City, Mich., Thumb Brdcastg. Co., 880 kcs. 1 kw. days.

Brownwood, Tex., Brown County Brdcastg. Co., 990 kcs. 1 kw. days.

Burlington, Iowa, Burlington Brdcastg. Co.

Cedar Rapids, Iowa, The Gazette Co., 1420 kcs. 100 w. unlt'd.

Cheyenne, Wyo., Western Brdcastg. Co., 1210 kcs. 100(25).

Cleveland, Ohio, Cuyahoga Valley Brdcastg. Co., 1500 kcs. 100 w. days.

Clinton, Iowa, Clinton Brdcastg. Corp.

Columbus, Miss., Birney Imes, 1370 kcs. 100(25) unlt'd.

Cookville, Tenn., M. L. Medley, 1370 kcs. 100(25) unlt'd.

Cordele, Ga., Cordele Dispatch Pub. Co., 1500 kcs. 100(25).

Ely, Wyo., Eastern Nev. Brdcastg. Co., 1500 kcs. 100 days.

Eric, Pa., Presque Isle Brdcastg. Co., 1500 kcs. 100(25) unlt'd.

Everett, Wash., Cascade Brdcastg. Co., 1420 kcs. 100(25) unlt'd.

Florence, S. C., Pee Dee Brdcastg. Co., 1200 kcs. 100(25) unlt'd. (facilities of WOLS).

Fremont, Nebr., Nebr. Brdcastg. Corp., 1370 kcs. 100(25) unlt'd.

Grants Pass, Ore., Ore. Brdcastg. System, 1370 kcs. 100(25).

(Please turn to page 82)

The Month's Changes in Station Data

New

570	WMAM	Marinette, Wis.
870	CMHO	Sagua la Grande, Cuba.
1200	WSKB	McComb, Miss.
1200	.....	Hastings, Nebr.
1200	.....	Panama City, Fla.
1200	.....	Plainview, Texas.
1200	.....	Salem, Mass.
1210	KOVO	Provo, Utah.
1210	KXOX	Sweetwater, Texas.
1260	WVEA	Fredericksburg, Va.
1310	WLBJ	Bowling Green, Ky.
1310	.....	Sumter, S. C.

1310 Victoria, Texas.
 1370 WCNC Elizabeth City, N. C.
 1370 WTSP St. Petersburg, Fla.
 1370 Ft. Dodge, Iowa.
 1370 Ft. Lauderdale, Fla.
 1370 Mansfield, Ohio.
 1370 Moultrie, Ga.
 1420 Sarasota, Fla.
 1500 KDRO Sedalia, Mo.
 1500 WKIN Kingston, N. Y.
 1500 Brunswick, Ga.
 1500 Greenville, N. C.

Frequency
 640 HOK Colon, Panama, from 1440.
 660 CMOA Havana, from 910.
 690 CMBC Havana, from 1140.
 700 WQVR St. John's, from 681.
 780 CMQ Havana, from 1010.
 830 CMHI Santa Clara, from 1060.
 910 CMBQ Havana, from 1320.
 950 CJRM Regina, from 54C.
 1010 CMCU Havana, from 780.
 1040 WOCM St. John's, from 1000.
 1140 CMBG Havana, from 690.
 1200 KAST Astoria, from 1373.
 1290 WATR Waterbury, from 1190.
 1320 CMCR Havana, from 660.
 1360 KSLM Salem, from 1370.
 1370 WJAC Johnstown, from 1310.
 1430 CJGX Yorkton, from 1390.
 1440 CKGB Timmins, from 1420.
 1450 KCMO Kansas City, from 1370.

Power
 570 WOSU Columbus, 1000 from 750(1).
 630 CKOV Kelowna, 1000 from 100.
 1020 WDZ Tuscola, 1000 from 250.
 1040 KRLD Dallas, 5000 from 10000.
 1200 WENY Elmira, 100(25) from 250 D.
 1270 WFBR Baltimore, 1000(5) from 500(1).
 1360 KSLM Salem, 500 from 100.
 1400 KLO Ogden, 1000(5) from 500.
 1410 WAAB Boston, 1000 from 500(1).
 1450 KCMO Kansas City, 1000 from 100.

Call Letters
 640 HOK Colon, Panama, from HP50.
 1310 KVSP Santa Fe, from KRQA.
 1370 WISE Asheville, from WADN.
 1380 WING Dayton, from WSMK.
 1420 WNOE New Orleans, from WBNO.

Network
 620 KWFT Wichita Falls, new CBS.
 1040 KYOS Merced, new MBS.
 1210 WRAL Raleigh, new MBS.
 1210 WSOC Charlotte, new MBS.
 1500 WSYB Rutland, Vt., new MBS.

Delete
 1200 KGVL Greenville, Texas.
 1210 CJCU Aklavik, N. W. T.
 1500 WRKL Rock Hill, S. C.

Owner
 550 KTSA Sunshine Brdstg. Co., San Antonio, Tex.
 550 WDEV Radio Station WDEV, Waterbury, Vt.
 780 KEHE Earle C. Anthony, Los Angeles, Calif.
 880 WRNL Richmond Radio Corp., Richmond, Va.
 1010 KGGF Hugh J. Powell, Coffeyville, Kans.
 1040 KYOS Merced Brdstg. Co., Merced, Calif.
 1200 WCAX Burlington Daily News, Inc., Burlington, Vt.
 1210 WCOV Capital Brdstg. Co., Inc., Montgomery, Ala.
 1230 WFBM WFBM, Inc., Indianapolis, Ind.

1310 KCRJ Central Ariz. Brdstg. Co., Jerome, Ariz.
 1310 KVSP N. Mex. Brdstg. Co., Santa Fe, N. Mex.
 1310 KWOC Radio Station KWOC, Poplar Bluff, Mo.
 1370 KVGB Helen Townsley, Great Bend, Kans.
 1420 KGIW E. L. Allen, Alamosa, Colo.
 1420 KRIC KRIC, Inc, Beaumont, Texas.
 1420 WACO Frontier Brdstg. Co., Inc., Waco, Tex.
 1420 WNOE WBNO, Inc., New Orleans, La.
 1440 WCBA Lehigh Valley Brdstg. Co., Allentown, Pa.
 1440 WSAN Lehigh Valley Brdstg. Co., Allentown, Pa.
 1500 KNOW Frontier Brdstg. Co., Inc., Austin, Texas.

Permit to Change Power

590 WKZO Kalamazoo, to 250(1).
 630 WPRO Providence, to 1000(5).
 760 KXA Seattle, to 1000.
 770 KFAB Lincoln, to 50000.
 850 WKAR E. Lansing, to 5000.
 880 WRNL Richmond, to 1000.
 890 KARK Little Rock, to 1000.
 890 KFNF Shenandoah, to 1000(5).
 900 KGBU Ketchikan, to 1000.
 900 WELI New Haven, to 250(5).
 920 KFBL Denver, to 1000.
 920 KVOD Denver, to 1000.
 940 WICA Ashtabula, to 500.
 1190 KTFC Visalia, to 1000.
 1250 KIT Yakima, to 500(1).
 1350 KWK St. Louis, to 5000.
 1350 WMBG Richmond, to 1000(5).
 1370 KFRO Longview, to 1000.
 1370 WPRM Mayaguez, to 1000(2.5).
 1380 WING Dayton, to 250(5).
 1430 KJNY Juneau, to 1000.
 1430 WHP Harrisburg, to 1000(5).
 1460 KSTP St. Paul, to 50000.
 1460 WJSV Washington, to 50000.
 1490 WCKY Covington, to 50000.
 1500 KSAL Salina, to 500(1).

Permit to Change Location

1050 KFBI Abilene, to Wichita, Kans.
 1200 WHBY Green Bay to Appleton, Wis.
 1210 WGRM Grenada to Greenwood, Miss.
 1500 WKBB E. Dubuque, to Dubuque, Iowa.

Permit to Change Frequency

770 KFAB Lincoln, Nebr., to 1080.
 900 WELI New Haven, to 930.
 920 KVOD Denver, to 630.
 1190 KTFC Visalia, to 890.
 1200 WJBL Decatur, to 1310.
 1260 KPAC Port Arthur, to 1220.
 1310 WBOW Terre Haute, to 1290.
 1320 KGMB Honolulu, to 590.
 1370 KFRO Longview, to 1340.
 1370 WPRM Mayaguez, to 780.
 1450 KTBS Shreveport, to 620.
 1500 KSAL Salina, to 1120.

Stations Using Special Frequencies

Call	City	Assigned	Using
KIRO	Seattle	650	713
KIHS	Hot Springs	1040	1060
KWKH	Shreveport	850	1100
WESG	Elmira	1040	850
WTIC	Hartford	1060	1040

NORTH AMERICAN B. C. STATIONS BY FREQUENCIES WITH POSTAL ADDRESSES

KEY TO SYMBOLS

As shown in the Index by Frequencies

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

Second Column Symbols

- A—Status in doubt.
 B—National "Blue" Network.
 C—Columbia Network.
 D—Daytime only.
 F—Canadian Network.
 H—Assigned another frequency—using this one under Special Authorization.
 J—Assigned lower power but using this power under Special Authorization.
 K—Licensed for facsimile.
 L—Limited time.
 M—Mutual Network.

- N—National "Red" and "Blue" Networks.
 P—Has Construction Permit only.
 Q—Station not in use.
 R—National "Red" Network.
 S—Sundays only.
 Sy—Synchronized.
 X—Has Permit to change power.
 Y—Has Permit to change location.
 Z—Has Permit to change frequency.

- a-b-c—Small letters show stations using same transmitter.
 1-2-3—Figures denote stations sharing time.
 ?—Reported but not officially confirmed.
—No information.

Fourth Column Symbols

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

540 kcs. (552.2 m.)

CBK F 50000

z Watrous, Sask.

550 kcs. (545.1 m.)

CFNB F 1000
 CMW . . . 1400
 KFUD 2 500(1)
 KFYR N 1000(5)
 KOAC . . . 1000
 KSD 2R 1000(5)
 K TSA C 1000(5)
 WDEV D 500
 WGR C 1000(5)
 WKRC C 1000(5)
 W SVA D 500

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

York St.
 Apartado 130
 801 DeMun St.
 32C Broadway
 Agricultural College
 12th & Olive Sts.
 Gunter Hotel
 Radio Station WDEV
 Rand Bldg.
 Hotel Alms
 Main & Market Sts.

560 kcs. (535.4 m.)

KFDM N 500(1)
 KLZ C 1000(5)
 KSFO C 1000(5)
 KWTO D 5000
 WFIL BM 1000
 WIND C 1000(5)
 WIS N 1000(5)
 WQAM C 1000

a Beaumont, Texas
 a Denver, Colo.
 a San Francisco, Cali.
 a Springfield, Mo.
 a Philadelphia, Pa.
 a Gary, Ind.
 a Columbia, S. C.
 a Miami, Fla.

Box 2950
 Shirley-Savoy Hotel
 Russ Bldg.
 St. Louis at Kimbrough
 Widener Bldg.
 504 Broadway
 1811 Main St.
 327 N. E. First Ave.

570 kcs. (526 m.)

KGKO N 1000(5)
 KMTR . . . 1000
 KVI C 1000(5)
 TISCV 575 100
 WKBN C1 500(1)
 WMCA . . . 1000
 WNAX C 1000(5)
 WOSU 1 1000
 WSYR Ba 1000
 WSYU Qa 1000
 WWNC C 1000
 DP 250

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

KGKO Brdcstg. Co.
 1000 Cahuenga Blvd.
 Rust Bldg.
 Carlos Videche A.
 17 N. Champion St.
 1657 Broadway
 2nd and Capitol
 Ohio State University
 315 Starret-Syracuse Bldg.
 315 Starret-Syracuse Bldg.
 Citizen-Times Co.
 M & M Brdcstg. Co.

580 kcs. (516.9 m.)

CFPR . . . 50
 CHRC . . . 100
 CKCL F 100

a Prince Rupert, B. C.
 a Quebec, P. Q.
 a Toronto, Ont.

Box 132
 Victoria Hotel
 444 University Ave.

CKPR	F	1000
CKUA	F	500
KMJ	KN	1000
KSAC	Z	500(11)
WCBS	C	500(11)
WDBO	C	1000(5)
WIBW	C2	1000(5)
WILL	D	5000
WTAG	R	1000
XEMU	...	250

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

1041/2 S. May St.
University of Alta.
Van Ness & Calaveras
State College
223 1/2 Capitol St.
563 N. Orange Ave.
11th & Topeka Blvd.
University of Ill.
20 Franklin St.
.....

590 kcs. (508.2 m.)

CMCY	...	15000
KHQ	R	1000(5)
WEEJ	C	1000(5)
WKZO	BDX	1000
WOW	R	1000(5)

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

Av. de los Presidentes 509
Sprague & Post
CBS, Inc.
Burdick Hotel
4th and Farnum

600 kcs. (499.7 m.)

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

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

1231 St. Catherine W.
216 First Ave. N.
846 Howe St.

U. S. Grant Hotel
811 W. Lanvale
Stratfield Hotel
Hotel Montrose
WREC Brcdstg. Service

610 kcs. (491.5 m.)

CHNC	F	1000
KFAR	P	1000
KFRK	M	1000(5)
WCLE	DM	500
WDAF	R	1000(5)
WIQD	Na	1000
WIP	...	1000
WMBF	Qa	1000

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

P. O. Box 101
Midnight Sun Brcdstg. Co.
1000 Van Ness Ave.
1224 Huron Road
1729 Grand Ave.
Biscayne Blvd.
35 S. Ninth St.
Biscayne Blvd.

620 kcs. (483.6 m.)

KGW	R	1000(5)
KTAR	N	1000
KWFT	C	250(11)
TIPG	625	5000
WFLA	Na	1000(5)
WHJB	CD	250
WLBZ	MN	500(11)
WSUN	Na	1000(5)
WTMJ	N	1000(5)

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

325 Adler St.
711 Heard Bldg.
807 Hamilton Bldg.
La Voz de la Victor
Tarr Bldg.
Penn Albert Hotel
100 Main St.
Recreation Pier
333 W. State St.

630 kcs. (475.9 m.)

CFCO	F	100
CFCY	F	1000
CJRC	F	1000
CKOV	F	1000
CMCD	...	15000
KFRU	1	500(11)
KGFX	D	200
WGBF	NI	500(11)
WMAL	B	250(1.5)
WPRO	CX	500(11)
XEZ	...	500

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

Wm. Pitt Hotel
Canadian Nat'l. Hotel
Royal Alexandra Hotel
Box 243
Calle 25, Vedado
9th and Elm Sts.
203 W. Summit Ave.
519 Vine St.
National Press Bldg.
15 Chestnut
Avenida Colon

640 kcs. (468.5 m.)

KFI	R	50000
VONF	...	12500
WGAN	CL	500
WHKC	LM	500
WOI	D	5000
XEBX	...	250
YSS	...	500

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

1000 So. Hope St.
Brcdstg. Corp. of Nfld.
Columbia Hotel
22 E. Gay St.
Iowa State College
Domicilio conodido
.....

650 kcs. (461.3 m.)

TIX ... 1000
WSM KMN 50000

b San Jose, Costa Rica
a Nashville, Tenn.

Gonzalo Pinto H.
National Bldg.

660 kcs. (454.3 m.)

CMOA ... 200
KOWH ... D 500
WEAF ... R 50000
XEAL ... A 1000
XEAO ... 250

z Havana, Cuba
a Omaha, Nebr.
a New York, N. Y.
z Mexico City, D. F.
a Mexicali, B. Cfa.

Aguiar 126
19th & Harney
30 Rockefeller Plaza
Apartado 1903
Altamirano 156

670 kcs. (447.5 m.)

WMAQ R 50000

b Chicago, Ill.

Merchandise Mart

680 kcs. (440.9 m.)

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

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

Marta Abreu 2
Schneider Bldg.
111 Sutter St.
Canadian Marconi Co.
278 Essex St.
324 Fayetteville St.

690 kcs. (434.5 m.)

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

a Toronto, Ont.
z Calgary, Alta.
z Havana, Cuba
a Monterrey, N. L.

37 Bloor St. W.
124 Seventh Ave. W.
Box 132
Apartado 203

700 kcs. (428.3 m.)

VOWR ... 500
WLW KMN 50000
W8XO Exp 500000

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

Box 157
1329 Arlington St.
1329 Arlington St.

710 kcs. (422.3 m.)

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

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

Edificios Diaz
66 Cobb Bldg.
9631 Wilshire Blvd.
147 Market St.

720 kcs. (416.4 m.)

CMK ... 200
TIGH 725 600
WGN KM 50000
XEH ... 250

a Havana, Cuba
z San Jose, Costa Rica
b Chicago, Ill.
a Monterrey, N. L.

Apartado 770
"America Latina"
441 N. Michigan Ave.
Padre Mier 215

730 kcs. (410.7 m.)

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

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

Richmond St.
10122-100 A St.
980 St. Catherine W.
Box 6, San Diego, Calif.
Box 360
Av. Juarez 34

740 kcs. (405.2 m.)

CMJX ... 200
KMMJ L 1000
KTRB D 250
WHEB D 250
WSB R 50000

z Camaguey, Cuba
a Grand Island, Nebr.
a Modesto, Calif.
a Portsmouth, N. H.
a Atlanta, Ga.

Libertad 35
KMMJ, Inc.
Box 405
Box 522
Biltmore Hotel

750 kcs. (399.8 m.)

CMBL ... 200
KGU LN 2500
TIRM ... 500

a Havana, Cuba
a Honolulu, Hawaii
z San Jose, C. Rica

Calle 25 No. 1113
Advertiser Square
Rafael Merino

WJR C 50000
 XEAM ... 200
 XEAM ... 25

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

Fisher Bldg.
 Box 22, Calexico, Calif.
 Morelos y Sta Matamoros

760 kcs. (394.5 m.)

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

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

312 Bigelow Bldg.
 (Sy after 9 pm only)
 St. Olaf College
 221 N. Grand Blvd.
 30 Rockefeller Plaza
 University of Minn.

770 kcs. (389.4 m.)

CMKW ... 200
 KFAB CSyXZ 10000
 TILJ 775 450
 WBBM CSy 50000

z Santiago de Cuba
 a Lincoln, Nebr.
 z San Jose, C. Rica
 a Chicago, Ill.

Republica y Calle 13
 Hotel Lincoln
 Lola Monje Peralta
 410 N. Michigan Ave.

780 kcs. (384.4 m.)

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

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

Box 507
 231 1/2 Elgin St.
 Maximo Gomez 19
 141 N. Vermont Ave.
 Box L
 411 Fourth Ave.
 5th and Broadway
 Nat'l. Bank of Commerce Bldg.
 New Crown Hotel
 Hotel Gayoso
 Sharon Herald Brdcastg. Co.
 Bank of Commerce Bldg.
 Venustiano Carranza 30

790 kcs. (379.5 m.)

CMGH ... 200
 KGO B 7500
 KOAM DN 1000
 WGY R 50000
 ZNS ... 1000

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

Box 87
 111 Sutter St.
 404 Commerce Bldg.
 1 River Road
 Box 48

800 kcs. (374.8 m.)

HIX ... 800
 WBAP Na 50000
 WFAA Na 50000
 WTBO D 250

a Trujillo, D. R.
 a Fort Worth, Texas
 a Dallas, Texas
 a Cumberland, Md.

J. R. Saladin
 Carter Publications, Inc.
 Baker Hotel
 Commercial Bank Bldg.

810 kcs. (370.2 m.)

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

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

Paseo de Marti 9
 Nicolle Hotel
 Centre & Duane Sts.
 Av. A. Obregon 238
 Gral. Gonzales 3006

820 kcs. (365.6 m.)

WHAS C 50000
 XEBG ... 1000

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

300 W. Liberty St.
 Av. "E" 268

830 kcs. (361.2 m.)

CMHI ... 200
 KOA R 50000
 TIEP ... 3000
 WEEU DR 1000
 WHDH L 1000
 WRUF L 5000

a Santa Clara, Cuba
 a Denver, Colo.
 a San Jose, C. Rica
 a Reading, Pa.
 a Boston, Mass.
 a Gainesville, Fla.

Independencia 34
 1625 California St.
 Eduardo Pinto H.
 533 Pennsylvania
 62 Boylston
 University of Fla.

840 kcs. (356.9 m.)

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

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

805 Davenport Road
 Newfoundland Hotel
 Brinkley Hospital, Del Rio, Texas

850 kcs. (352.7 m.)

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

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

Apartado 33
701 E. Broadway
Mark Twain Hotel
Mich. State College
Roosevelt Hotel

860 kcs. (348.6 m.)

CMJA	...	200
TIVL	...	50000
WABC	Ca	50000
WBOQ	QA	50000
WHB	DM	1000
XEMO	...	5000

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

Apartado 64
Vicente Lines
485 Madison Ave.
485 Madison Ave.
Scarritt Bldg.
Av. "B" 506

870 kcs. (344.6 m.)

CMHO	...	500
TIRC	...	75
WENR	Ba	50000
WLS	Ba	50000
XEFC	...	200
XERC	A	500

z	Sagua la Grande, Cuba
z	San Jose, C. Rica
b	Chicago, Ill.
a	Chicago, Ill.
a	Monterrey, N. L.
z	Mexico City, D. F.

Radio Philco
Merchandise Mart
1230 Washington Blvd.
5 de Mayo Ote. 112
Huasteca 112

880 kcs. (340.7 m.)

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

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

Chateau Laurier Hotel
Wilcox-Hall Bldg.
Apartado 32
Box 735
Tribune Tower
1845 Champa St.
Vancouver Radio Corp.
"Radio Para Ti"
Box 133
1000 Wyoming Ave.
149 Penn Ave.
4th and Grace Sts.
State University

890 kcs. (336.9 m.)

KARK	NX	500(1)
KFPY	X2	500(1)
KFPY	C	1000(5)
KUSD	2	500
WBAA	...	500(1)
WGST	C	1000(5)
WJAR	R	1000(5)
WMMN	C	1000(5)
XEW	...	10000

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

Nat'l. Standard Bldg.
407 Sycamore St.
Symons Bldg.
University of S. Dak.
Purdue University
Ansley Hotel
Weybossett St.
Monongahela Valley Brdcastg. Co.
Apartado 2516

900 kcs. (333.1 m.)

KGBU	X	500
KHJ	M	1000(5)
KSEI	N	250(1)
TI3TS	...	100
WBEN	R	1000(5)
WELI	DXZ	500
WFMD	D	500
WJAX	N	1000(5)
WKY	N	1000(5)
WLBL	D	5000
WTAD	D	1000

a	Ketchikan, Alaska
a	Los Angeles, Calif.
a	Pocatello, Idaho
z	Cartago, C. Rica
a	Buffalo, N. Y.
a	New Haven, Conn.
a	Frederick, Md.
a	Jacksonville, Fla.
a	Oklahoma City, Okla.
a	Stevens Point, Wis.
a	Quincy, Ill.

107-111 Front St.
7th and Bixel Sts.
141 S. 6th St.
Tobias Solano A.
Hotel Statler
221 Orange St.
Francis Scott Key Hotel
1 Broadcast Place
Skirvin Tower Hotel
University of Wis.
510 Main St. E.

910 kcs. (329.6 m.)

CBF	FN	50000
CJAT	F	1000
CKY	F	15000
CMBO	...	5000
CMKD	...	1000
TIRS	915	250
XENT	...	150000

a	Montreal, P. Q.
a	Trail, B. C.
a	Winnipeg, Man.
a	Havana, Cuba
a	Santiago de Cuba
z	San Jose, C. Rica
a	Nuevo Laredo, Tam.

1231 St. Catherine W.
Box 1959
Sherbrooke St.
Palacio del Centro Gallego
Apartado 23
"Estacion Athenea"
Apartado 47

920 kcs. (325.9)

CMHT	...	200
KFEL	aMX	500
KOMO	R	1000(5)
KPRC	R	1000(5)
KVOD	Ba	500
WAAF	D	1000
WORL	D	500
WPEN	...	1000
WSPA	D	1000
WWJ	R	1000(5)

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

Capdevila 41
 Albany Hotel
 Skinner Bldg.
 Lamar Hotel
 Continental Oil Bldg.
 Palmer House
 Brdcastg. Serv. Org. Inc.
 22nd and Walnut Sts.
 Ravena & Avant Sts.
 616 Lafayette Blvd.

930 kcs. (322.4 m.)

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

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

1006 Southam Bldg.
 Capitol Theater Bldg.
 307 George St.
 Lord Nelson Hotel
 Arcade Bldg.
 Republica No. 88
 May Seed & Nursery Co.
 464 19th St.
 Bankhead Hotel
 Box 150
 Apartado 68

940 kcs. (319 m.)

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

- a Havana, Cuba
- a Portland, Ore.
- a Jersey City, N. J.
- a Louisville, Ky.
- a Portland, Maine
- a Fargo, N. Dak.
- a Madison, Wis.
- a Ashtabula, Ohio
- a Mexico City, D. F.

Apartado 866
 New Heathman Hotel
 50 Journal Sq.
 1525 Brown Hotel
 The Eastland
 118 Broadway
 University of Wis.
 221 Center St.
 Av. 5 de Mayo 21

950 kcs. (315.6 m.)

CBV	F	1000
CJRM	F	1000
CMKL	...	200
KFWB	...	1000(5)
KMBC	C	1000(5)
TIRH	...	2000
WRC	R	1000(5)
WTRY	DP	1000

- a Quebec, P. Q.
- a Regina, Sask.
- z Bayamo, Cuba
- a Los Angeles, Calif.
- a Kansas City, Mo.
- b San Jose, C. Rica
- a Washington, D. C.
- z Troy, N. Y.

Chateau Frontenac Hotel
 1819 Cornwall St.
 Jose A. Saco 26
 5833 Fernwood Ave.
 Pickwick Hotel
 Estacion Los Angeles
 National Press Bldg.
 Troy Brdcastg. Co.

960 kcs. (312.3 m.)

CBM	FR	5000
CFRN	F	100
XEAW	...	100000
XECL	...	1000

- a Montreal, P. Q.
- a Edmonton, Ata.
- a Reynosa, Tam.
- z Mexicali, B. Cfa.

1231 St. Catherine W.
 C. P. R. Bldg.
 H. D. Munal, San Juan, Texas
 Av. Madero 621

970 kcs. (309.1 m.)

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

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

Apartado 98
 Skinner Bldg.
 666 Lake Shore Drive
 Keswick Theater Bldg.

980 kcs. (306 m.)

KDKA	B	50000
TI4NRH	...	750
XEAC	...	5000
XEFE	...	250

- b Pittsburgh, Pa.
- f Heredia, Costa Rica
- a Tijuana, B. Cfa.
- z Nuevo Laredo, Tam.

Grant Bldg.
 Apartado 40
 Box 55, San Diego, Calif.
 Esq. Gonzalez y Riva Palacio

990 kcs. (302.8 m.)

WBZ	BSy	50000
WBZA	BSy	1000
XEAF	...	750

- a Boston, Mass.
- a Springfield, Mass.
- a Nogales, Son.

Hotel Bradford
 Hotel Kimball
 Box 711, Nogales, Ariz.

XEK ... 100
XES ... 250

a Mexico City, D. F.
a Tampico, Tam.

Jalapa 51
Madero Ote. 102-4

1000 kcs. (299.8 m.)

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

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

Standard Brdcstg. Co.
Francisco Ariel
914 Walnut St.
Primo Verdad 14

1010 kcs. (296.9 m.)

CHML F 100
CKCD F 100
CKCK F 1000
CKCO F 100
CKIC ... 50
CKWX F1 100
CMCU ... 200
KGGF M2 1000
KQW M 1000
WHN ... 1000(5)
WNAD C 1000
WNOX C 1000(5)
XEFO ... 50
XEU ... 250

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

Pigott Bldg.
198 Hastings St. W.
1853 Hamilton St.
272 Somerset St. W.
Acadia University
801 W. Georgia St.
Estrada Palma 63
Journal Bldg.
87 E. San Antonio St.
1540 Broadway
University of Okla.
Hotel Johnson
Av. Sonora 97
Independencia 98

1020 kcs. (293.9 m.)

KYW R 10000
WDZ D 1000
XEJ ... 1000

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

1619 Chestnut St.
WDZ Brdcstg. Co.
Av. Lerdo 309

1030 kcs. (291.1 m.)

CFCN F 10000
CJBR F 1000
CKLW FM 5000
TIHO ... 250
XEB ... 10000

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

Toronto Gen'l Trusts Bldg.
J. A. Brilliant
Guaranty Trust Bldg.
Guillermo Zuniga R.
Apartado 79-44

1040 kcs. (288.3 m.)

KRLD C 50000
KWJJ HL 500
KYOS DM 250
VOCM ... 200
WTIC HR 50000

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

Adolphus Hotel
622 Salmon St. S. W.
Grade St.
St. John's Evening Telegram
26 Grove St.

1050 kcs. (285.5 m.)

CBA F 50000
CMCH ...
CMCP ... 200
HIT ... 50
KFBI LY 5000
KNX C 50000
TIFP ... 50
WEAU L 1000(5)
WIBC D 1000

a Sackville, N. B.
z—Havana, Cuba
z—Havana, Cuba
z Trujillo, D. R.
a Abilene, Kans.
b Los Angeles, Calif.
z San Jose, C. Rica
a Eau Claire, Wis.
a Indianapolis, Ind.

Can. Brdcstg. Corp.
Palacio de los Dptes.
Radio Popular S. A.
Apartado 1105
Box 345
CBS, Inc.
Fernando Poveda M.
Central Brdcstg. Co.
Athletic Club Bldg.

1060 kcs. (282.8 m.)

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

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

Box 86
.....
Lexington, Bldg.
Norfolk Daily News

1070 kcs. (280.2 m.)

CMJW ... 200
KJBS L 500
WCAZ D 100
WTAM R 50000

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

Apartado 322
1380 Bush St.
502 Wabash Ave.
1367 E. 6th St.

1080 kcs. (277.6 m.)

CMBX	...	200
CMKM	...	200
WBT	L	50000
WCBD	LI	5000
WMBI	LI	5000
XEBA	...	20
XEBP	...	100
XEDP	...	500

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

San Miguel 194-altos
Merchan y Pedro Figueredo
Wilder Bldg.
128 N. Pulaski Road
153 Institute Place
Independencia 32
Bravo y Guerrero
Bucareli 12

1090 kcs. (275.1 m.)

CMHA	...	200
HIN	...	740
KMOX	C	50000
TING	...	375
XERB	...	150000

z	Sagua la Grande, Cuba
a	Trujillo, D. R.
e	St. Louis, Mo.
z	San Jose, C. Rica
e	Rosarito Beach, B. Cfa.

Carrillo 31
Arzobispo Merino 79
Mart Bldg.
Narciso Garcia
.....

1100 kcs. (272.6 m.)

CBR	F	5000
CMHP	...	200
KGDM	DM	1000
KWKH	CHJ	50000
WBIL	I	5000
WPG	C?	5000
XECL	?	1000

a	Vancouver, B. C.
z	Placetas, Cuba
f	Stockton, Calif.
e	Shreveport, La.
e	New York, N. Y.
a	Atlantic City, N. J.
z	Mexicali, B. Cfa.

C.N.R. Station Bldg.
Primera del Ceste 32
42 S. California St.
Box 17
132 W. 43rd St.
Convention Hall
Assigned 960

1110 kcs. (270.1 m.)

CMCJ	...	200
KSOO	LN	5000
WRVA	CM	50000

a	Havana, Cuba
a	Sioux Falls, S. Dak.
a	Richmond, Va.

Estevez 4
Carpenter Hotel
Hotel Richmond

1120 kcs. (267.7 m.)

CBJ	F	100
CHLP	F	100
CHSJ	F	100
CKOC	F	500(11)
CKX	F	1000
CMGF	...	200
KFIO	D	100
KFSG	a	500(2.5)
KRKD	a	500(2.5)
KRSC	...	250
KTBC	DP	1000
WCOP	D	500
WDEL	R	250(11)
WISN	C	250(11)
WJBO	B	500
WTAW	L	500

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

4 rue Larouche
180 St. Catherine St. E.
Admiral Beatty Hotel
King William & John Sts.
Rosser Ave.
Gral. Betancourt 51
Ziegler Bldg.
1100 Glendale Blvd.
312 Spring Arcade
Wash. Athletic Club
State Capitol Brd. Ass'n.
Copley Plaza Hotel
10th & King Sts.
231 W. Michigan St.
334 Florida St.
Agricultural College

1130 kcs. (265.3 m.)

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

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

Box 28
Vermont Bldg.
201 N. Wells St.
132 W. 43rd St.
5 de Febrero 128

1140 kcs. (263 m.)

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

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

Hospital 100
Wright Bldg.
Ala. Polytechnic Institute
63 Chestnut St.

1150 kcs. (260.7 m.)

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

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

Finca San Matias 966
Sagamore Hotel
Pino Suarez 412
Teatro Zaragoza
Av. Hidalgo 40
Calzada del Rosal 1

1160 kcs. (258.5 m.)

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

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

Box 112
Westinghouse, Inc.
Hawley Bldg.
Morelos 15
Apartado 197
16 de Septiembre 111

1170 kcs. (256.3 m.)

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

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

Calzada y "H", Vedado
1622 Chestnut St.
Calle de Justo Sierra

1180 kcs. (254.1 m.)

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

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

Oregonian Bldg.
424 W. Gold Ave.
909 W. Broadway
114 E. 58th St.
211 Cotton Ave.

1190 kcs. (252 m.)

CMKX	...	200
KTKC DMXZ	...	250
WOAI	N	50000
WSAZ	L	1000

z	Santiago de Cuba
f	Visalia, Calif.
a	San Antonio, Texas
a	Huntington, W. Va.

Calle No. 3
Tulare-Kings Counties Radio A'n.
1038 Navarro
Box 729

1200 kcs. (249.9 m.)

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

a	Grande Prairie, Alta.
a	Moose Jaw, Sask.
z	St. Anne de la Pocatière,

906 McLeod Bldg., Edmonton
Grant Hall Hotel
G. Thomas Desjardins

CKNX	...	100
CKTB	F	100
CMCO	...	200
KADA	M	100
KAST	...	100(.25)
KBTM	D	100
KELO	N	100(.25)
KFJB	...	100(.25)
KFXD	...	100(.25)
KFXJ	...	100(.25)
KGDE	...	100(.25)
KGEK	...	100
KGFJ	...	100
KGHI	...	100(.25)
KMLB	...	100(.25)
KOOS	M	100(.25)
KSUN	...	100(.25)
KVCV	M	100
KVEC	M	100(.25)
KVNU	...	100
KVOS	M	100
KWG	N	100
KWNO	...	100(.25)
TIRCC	...	500
WABI	C	100(.25)
WAIM	C	100
WAYX	...	100(.25)
WBAB	P	100(.25)
WBBZ	M	100(.25)
WBHP	...	100
WCAT	D	100
WCAX	...	100(.25)
WCLO	...	100(.25)
WCPO	...	100(.25)
WDSM	P	100
WENY	P	100(.25)
WEST	...	100(.25)
WFAM	4	100
WFTC	...	100(.25)
WHBC	...	100(.25)
WHBY	Y	100(.25)

z	Wingham, Ont.
a	St. Catharines, Ont.
a	Havana, Cuba
a	Ada, Okla.
a	Astoria, Ore.
a	Jonesboro, Ark.
a	SiouX Falls, S. Dak.
a	Marshalltown, Iowa
a	Nampa, Idaho
a	Grand Junction, Colo.
b	Fergus Falls, Minn.
f	Sterling, Colo.
a	Los Angeles, Calif.
a	Little Rock, Ark.
a	Monroe, La.
a	Marshfield, Ore.
a	Lowell, Ariz.
a	Redding, Calif.
a	San Luis Obispo, Calif.
z	Logan, Utah
a	Bellingham, Wash.
a	Stockton, Calif.
a	Winona, Minn.
z	San Jose, C. Rica
a	Bangor, Maine
a	Anderson, S. C.
a	Waycross, Ga.
z	Atlantic City, N. J.
a	Ponca City, Okla.
a	Huntsville, Ala.
a	Rapid City, S. Dak.
a	Burlington, Vt.
a	Janesville, Wis.
a	Cincinnati, Ohio
z	Superior, Wis.
z	Elmira, N. Y.
a	Easton, Pa.
a	South Bend, Ind.
a	Kinston, N. C.
a	Canton, Ohio
a	Green Bay, Wis.

Box 65
King St.

Cale Oficios 116
115 1/2 S. Rennie St.
611 Commercial St.
104 1/2 W. Washington
317 S. Phillips Ave.
1603 W. Main St.
1024 12th Ave. S.
Hillcrest Manor
Charles L. Jaren
Fleming Road
1417 S. Figueroa St.
Ark. Gazette Bdg.
Francis Hotel
Hall Bldg.
Drawer C
Golden Empire Brdcstg. Co.
Valley Elec. Co.
Cache Valley Brdcstg. Co.
115 W. Magnolia St.
Hotel Wolf
216 Center St.
Carlos Borge
57 State St.
112 E. Market St.
Box 714
Press-Union Pub. Co.
615 W. Grand
Wilton Harvey Pollard
State School of Mines
203 College St.
200 E. Milwaukee St.
Scripps-Howard Radio
1507 Tower Ave.
Elmira Star-Gazette
Associated Brdcasters.
225 W. Colfax Ave.
Jonas Weiland
319 Tuscola St. W.
Bellin Bldg.

WIBX	C	100(.25)	a	Utica, N. Y.	First Nat'l. Bank Bldg.
WIL	...	100(.25)	a	St. Louis, Mo.	Meibourne Hotel
WJBC	5	100(.25)	a	Bloomington, Ill.	Kaskaskia Brdcstg. Co.
WJBL	Z5	100	a	Decatur, Ill.	Gushard Bldg.
WJBW	L	100	a	New Orleans, La.	Godchaux Bldg.
WJHL	...	100(.25)	a	Johnson City, Tenn.	Johnson City Brdcstg. Co.
WJNO	C	100(.25)	a	W. Palm Beach, Fla.	Box 189
WJRD	D	250	a	Tuscaloosa, Ala.	James R. Doss, Jr.
WKBO	N	100(.25)	a	Harrisburg, Pa.	Penn Harris Hotel
WLVA	...	100(.25)	a	Lynchburg, Va.	Allied Arts Bldg.
WMFR	...	100	a	High Point, N. C.	Radio Station WMFR Inc.
WMOB	DP	100	a	Mobile, Ala.	600 St. Louis St.
WMPC	...	100(.25)	a	Lapeer, Mich.	81 Liberty St.
WOLS	D	100	a	Florence, S. C.	Sanborn Hotel
WRBL	C	100(.25)	a	Columbus, Ga.	Royal Theater Bldg.
WSAL	D	250	a	Salisbury, Md.	321 E. Main St.
WSKB	DP	100	z	McComb, Miss.	McColgan Hotel, Main St.
WTHT	M	100	a	Hartford, Conn.	983 Main St.
WTOL	...	100	a	Toledo, Ohio	Community Brdcstg. Co.
WWAE	4	100	a	Hammond, Ind.	Hammond-Calumet Brd. Corp.
....	P	100(.25)	z	Panama City, Fla.	Panama City Brdcstg. Co.

1210 kcs. (247.8 m.)



CHLT	...	100	z	Sherbrooke, P. Q.	3 Marquette St.
CJCS	...	50	a	Stratford, Ont.	Frank M. Squires
CJOC	F	100	a	Lethbridge, Alta.	Marquis Hotel
CKBI	F	100	a	Prince Albert, Sask.	Sanderson Bldg.
CKCH	F	100	a	Hull, P. Q.	84 Champlain Ave.
CKMC	...	50	a	Cobalt, Ont.	R. L. MacAdam
CMHK	...	200	z	Cruces, Cuba	Apartado 79
KALB	...	100(.25)	a	Alexandria, La.	Box 788
KANS	N	100	a	Wichita, Kans.	Hotel Lassen
KASA	M	100	a	Elk City, Okla.	Casa Grande Hotel
KDLR	...	100(.25)	a	Devils Lake, N. Dak.	1025 Third St.
KDON	M	100	a	Monterey, Calif.	275 Pearl St.
KFJI	...	100	a	Klamath Falls, Ore.	Willard Hotel
KFOR	CM	100(.25)	a	Lincoln, Nebr.	Hotel Lincoln
KFPW	...	100	a	Fort Smith, Ark.	Goldman Hotel
KFPV	5	100(.25)	z	Cape Girardeau, Mo.	Hotel Marquette
KFXM	M2	100	a	San Bernardino, Calif.	California Hotel
KGLO	C	100(.25)	z	Mason City, Iowa	Hotel Hanford
KGy	M	100	a	Olympia, Wash.	11th & Capitol Way
KHBG	D	100	a	Oklmulgee, Okla.	Parkinson Hotel
KIUL	...	100	a	Garden City, Kans.	440 N. Main St.
KLAH	...	100(.25)	a	Carlsbad, N. Mex.	Crawford Hotel
KOCA	...	100(.25)	a	Kilgore, Texas	Kilgore Hotel
KOVO	P	100(.25)	z	Provo, Utah	44 W. Center St.
KPFA	N	100(.25)	z	Helena, Mont.	Peoples' Forum of the Air
KPPC	2	100	a	Pasadena, Calif.	585 E. Colorado St.
KROY	CD	100	a	Sacramento, Calif.	10th and "K" Sts.
KVSO	M	100(.25)	a	Ardmore, Okla.	Chickasaw & N. W. Blvd.
KWJB	...	100(.25)	a	Globe, Ariz.	Sims Brdcstg. Co.
KWTN	A	100	a	Watertown, S. Dak.	Midland Life Insurance Bldg.
KXOX	DP	250	z	Sweetwater, Tex.	Sweetwater Radio, Inc.
WALR	...	100	a	Zanesville, Ohio	1st Trust & Bank Bldg.
WBAX	M	100	a	Wilkes-Barre, Pa.	70 S. Main St.
WBBL	S	100	a	Richmond, Va.	1627 Monument Ave.
WBRB	3	100	a	Red Bank, N. J.	63 Broad St.
WCOL	N	100	a	Columbus, Ohio	33 N. High St.
WCOV	M	100	a	Lewiston, Maine	Twin City Brdcstg. Co.
WCOV	D	100	z	Montgomery, Ala.	Capitol Brdcstg. Co.
WCRW	4	100	a	Chicago, Ill.	2756 Pine Grove Ave.
WEBO	5	100(.25)	a	Harrisburg, Ill.	100 E. Poplar
WEDC	4	100	a	Chicago, Ill.	3850 Ogden Ave.
WFAS	3	100	a	White Plains, N. Y.	Hotel Roger Smith
WFOY	...	100(.25)	a	St. Augustine, Fla.	Fountain of Youth Properties
WGBB	...	100	a	Freeport, N. Y.	64 S. Grove St.
WGCM	...	100(.25)	a	Gulfport, Miss.	14th St. & 23rd Ave.
WGRM	...	100(.25)	a	Grenada, Miss.	P. K. Ewing
WHA1	M	100(.25)	a	Greenfield, Mass.	John W. Haigis
WHBU	...	100(.25)	a	Anderson, Ind.	Citizens Bank Bldg.
WIBU	...	100(.25)	a	Poynette, Wis.	R. F. D. No. 3
WINN	P	100(.25)	z	Louisville, Ky.	Ky. Brdcstg. Corp.
WJBY	...	100(.25)	a	Gadsden, Ala.	108 S. 6th St.
WJEM	...	100	a	Hagerstown, Md.	Lovely Dame Bldg.
WJIM	B	100(.25)	z	Lansing, Mich.	WJIM, Inc.
WJLS	...	100(.25)	z	Beckley, W. Va.	Joe L. Smith, Jr.

WJMC D 250
 WJTN B 100(.25)
 WJW ... 100(.25)
 WKOK ... 100
 WLOK D 100
 WMFG C 100(.25)
 WOCB P 100(.25)
 WOMT ... 100
 WPAX ... 100(.25)
 WPIV P 100(.25)
 WRAL M 100(.25)
 WSAY ... 100(.25)
 WSBC 4 100(.25)
 WSIX ... 100
 WSNJ D 100
 WSOC MN 100
 WTAX ... 100(.25)
 WTMA ... 250
 XEAT ... 50
 XEE ... 50
 XEFV ... 50
 XETH ... 100

z Rice Lake, Wis.
 a Jamestown, N. Y.
 a Akron, Ohio
 a Sunbury, Pa.
 a Lima, Ohio
 a Hibbing, Minn.
 z Hyannis, Mass.
 a Manitowoc, Wis.
 a Thomasville, Ga.
 z Petersburg, Va.
 z Raleigh, N. C.
 a Rochester, N. Y.
 a Chicago, Ill.
 a Nashville, Tenn.
 a Bridgeton, N. J.
 a Charlotte, N. C.
 a Springfield, Ill.
 z Charleston, S. C.
 a Parral, Chih.
 a Durango, Dgo.
 a Juarez, Chih.
 a Puebla, Pue.

Walter H. McGenty
 Wellman Bldg.
 41 S. High St.
 1150 N. Front St.
 1424 Rice Ave.
 Head of the Lakes Brdcastg. Co.
 Cape Cod Brdcastg. Co.
 Box 326
 135 E. Jackson St.
 Sycamore & Tabb Sts.
 Capitol Brdcastg. Co.
 192 S. Goodman St.
 2400 Madison Ave.
 Andrew Jackson Hotel
 Eastern States Brdcastg. Corp.
 516 W. Trade St.
 416 E. Capitol Ave.
 Atlantic Coast Brdcastg. Co.
 Av. Carranza
 20 do Noviembre 112 pte.
 Tlaxcala 1013
 Calle 17, Oriente 11

1220 kcs. (245.8 m.)

KFKU a 1000(5)
 KTMS B 500
 KTW S2 1000
 KWSC 2 1000(5)
 TIGPH 1225 500
 WCAD D 500
 WCAE MR 1000(5)
 WDAE C 1000(5)
 WGNV D 250
 WREN aB 1000(5)
 XEBL ... 50
 XEDA ... 200
 XETF ... 12

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

University of Kans.
 News Press Pub. Co.
 7th and Spring Sts.
 State College
 Gonzalo Pinto H.
 St. Lawrence University
 WCAE, Inc.
 Tampa Terrace
 161 Broadway
 7th and Vermont Sts.
 Apartado 78
 Ixtlachuati 5
 Independencia 28

1230 kcs. (243.8 m.)

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

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

Calles O'Reilly y Aguacate
 Maceo 27
 508 St. Louis
 KiMo Theater Bldg.
 988 Market St.
 Monument Circle
 The Yankee Network, Inc.
 1111 "H" St.
 Escobedo entre Morelos y P. Mier
 Fray Andres Olmes 7

1240 kcs. (241.8 m.)

CJCB F 1000
 CMAB ... 200
 CMHB ... 200
 KGCU ... 250
 KTAT M 1000
 KTFI N 1000
 WHBF M 1000(.25)
 WKAO C 1000
 WXYZ B 1000
 XEBU ... 50
 XEKL A 500
 XEME ... 50

a Sydney, N. S.
 z Pinar del Rio, Cuba
 z Sancti Spiritus, Cuba
 a Mandan, N. Dak.
 a Fort Worth, Texas
 a Twin Falls, Idaho
 a Rock Island, Ill.
 a San Juan, Puerto Rico
 a Detroit, Mich.
 z Chihuahua, Chih.
 b Leon, Gro.
 z Merida, Yuc.

Radio Bldg.
 Calle Marti 68
 Parque Santa Sanchez 1
 Mandan Radio Ass'n.
 Hotel Texas
 Box 521
 Safety Bldg.
 Box 1414
 King-Trendle Brdcastg. Corp.
 Apartado 157
 Madero 18
 Calle 59 "A".

1250 kcs. (239.9 m.)

CMKC ... 200
 KFOX ... 1000
 KIT MX 250(.5)
 KKOK ... 1000
 WAIR DM 250
 WDSU B 1000
 WHBI 2 100(.25)
 WKST D 250

a Santiago, Cuba
 a Long Beach, Calif.
 a Yakima, Wash.
 z St. Louis, Mo.
 a Winston-Salem, N. C.
 a New Orleans, La.
 a Newark, N. J.
 a New Castle, Pa.

Box 466
 1220 E. Anaheim St.
 109 1/2 E. Yakima Ave.
 Star-Times Bldg.
 Robert E. Lee Hotel
 Hotel Monteleone
 100 Shipman St.
 Keystone Brdcastg. Co.

WMRO D 250
 WNEW Z 1000(5)
 WTCN B 1000(5)
 XEAI ... 500

z Aurora, Ill.
 a New York, N. Y.
 a Minneapolis, Minn.
 z Mexico City, D. F.

Martin R. O'Brien
 501 Madison Av. E.
 Wesley Temple Bldg.
 Bahia de Sta. Barbara 114

1260 kcs. (238 m.)



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

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

17 No. 3, Vedado
 Hotel Norte de Cuba
 240 N. Higgins Ave.
 Golden Empire Bldg. Co.
 Omaha Nat'l Bank Bldg.
 1500 Proctor St.
 201 Border St.
 John Brown University
 Consolidated Nat'l Bank Bldg.
 528 Wolfe St.
 39 S. Ludlow St.
 Twin State Bldg. Corp.
 DeSoto Hotel

1270 kcs. (236.1 m.)

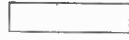


CMHD ... 200
 KGCA D2 100
 KOL M 1000(5)
 KQOR C 1000
 KWLC D2 100
 WASH aDN 500
 WFBR R 1000(5)
 WJDX R 1000(5)
 WOOD aN 500
 XEXB A 250
 XEXE ... 17

d Caribbean, Cuba
 a Des Moines, Iowa
 a Seattle, Wash.
 a Colorado Springs, Colo.
 a Decorah, Iowa
 a Grand Rapids, Mich.
 a Baltimore, Md.
 a Jackson, Miss.
 a Grand Rapids, Mich.
 a Jalapa, Ver. C.
 z Texcoco, D. F.

Calle Maria Escobar 7
 Box 1817
 211 Winnebago St.
 Northern Life Tower
 Out West Bldg. Co.
 Luther College
 Nat'l. Bank Bldg.
 7 St. Paul St.
 Lamar Life Ins. Co.
 Nat'l. Bank Bldg.
 Gobierno del Estado de Veracruz
 H. Ayuntamiento de Texcoco

1280 kcs. (234.2 m.)

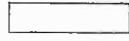


CMKO ... 200
 KFBB C 1000(5)
 KLS 250
 WCAM Z 500
 WCAP Z 500
 WDOD C 1000(5)
 WIBA N 1000(5)
 WORC C 500
 WRR M 500
 WTNJ Z 500
 XEMX ... 100

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

Calles Maceo y Libertad
 Box 1817
 327 21st St.
 City Hall
 Convention Hall
 Hotel Patten
 111 King St.
 60 Franklin St.
 Southland Bldg.
 Stacy Trent Hotel
 Calle Moneda 19

1290 kcs. (237.4 m.)

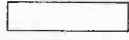


CMCG ... 200
 CMJK ... 200
 KDYL R 1000(5)
 KLCN D 100
 KTRH C 1000(5)
 WATR ... 250
 WEBC N 1000(5)
 WJAS C 1000(5)
 WJHP P 250
 WNBZ D 100
 WNEL ... 1000(2.5)

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

Calle Malecon 340 (altos)
 Findlay No. 3
 Ezra Thompson Bldg.
 Main & Division Sts.
 Rice Hotel
 47 Grand St.
 Spaulding Hotel
 Chamber of Commerce Bldg.
 The Metropolitan Co.
 Hotel Saranac
 Box 1252

1300 kcs. (230.6 m.)



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

a Portland, Ore.
 a Los Angeles, Calif.
 a Wichita, Kans.
 a Brooklyn, N. Y.
 a New York, N. Y.
 a Greenville, S. C.
 a Troy, N. Y.
 g Sheboygan, Wis.

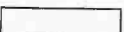
New Heathman Hotel
 3443 Wilshire Blvd.
 124 1/2 S. Market St.
 124 Columbia Heights
 Hotel Claridge
 Imperial Hotel
 Eighth Ave.
 Press Bldg.

1310 kcs. (228.9 m.)



CHCK	...	50	a	Charlottetown, P. E. I.	CHCK Radio Brdctg. Co.
CJKL	F	100	a	Kirkland Lake, Ont.	R & E Bldg., North Bay
CJLS	F	100	a	Yarmouth, N. S.	Box 684
KCCV	F	100	a	Quebec, P. Q.	254 Ave. Marguerite-Bourgeois
CMKE	?	...	z	Manzanillo, Cuba	....
KAND	DM	100	a	Corsicana, Texas	State Nat'l Bank Bldg.
KARM	C	100	a	Fresno, Calif.	1333 Van Ness St.
KBND	...	100(.25)	z	Bend, Ore.	The Bend Bulletin
KCKN	...	100	a	Kansas City, Kans.	901 N. 8th St.
KCRJ	...	100(.25)	a	Jerome, Ariz.	Drawer D
KFPL	...	100(.25)	f	Dublin, Texas	Box 176
KFYO	M	100(.25)	a	Lubbock, Texas	914 Ave. "J".
KGEZ	...	100	a	Kalispell, Mont.	Box 1
KGFW	...	100(.25)	a	Kearney, Nebr.	919 W. 27th St.
KHUB	D	250	a	Watsonville, Calif.	John P. Scripps
KOCY	...	100(.25)	a	Oklahoma City, Okla.	Plaza Court Brdctg. Co.
KOME	DM	250	z	Tulsa, Okla.	Harry Schwartz
KPDN	D	100	a	Pampa, Texas	212 N. Ballard St.
KRBA	D	100	a	Lufkin, Texas	Angelina Hotel
KRMD	...	100(.25)	a	Shreveport, La.	Box 1712
KROC	N	100(.25)	a	Rochester, Minn.	Martin Hotel
KRRV	DM	250	a	Sherman, Texas	1910 S. Crockett St.
KSRO	...	100(.25)	a	Santa Rosa, Calif.	Press-Democrat Pub. Co.
KSUB	...	100	a	Cedar City, Utah	El Escalante Hotel
KTSM	N	100(.25)	a	El Paso, Texas	Box 1976
KVOL	...	100(.25)	a	Lafayette, La.	Evangeline Hotel
KVOX	...	100(.25)	a	Moorhead, Minn.	722 Center Ave.
KVSF	...	100	a	Santa Fe, N. Mex.	Box 985
KWOC	D	100	a	Poplar Bluff, Mo.	216 Poplar St.
KWOS	...	100(.25)	a	Jefferson City, Mo.	210 Monroe St.
KXRO	M	100(.25)	a	Aberdeen, Wash.	207 Market St.
TGI	...	...	d	Guatemala City, Guat.	....
WAML	...	100(.25)	a	Laurel, Miss.	Box 26
WBEO	L	100(.25)	a	Marquette, Mich.	146 W. Washington
WBOW	NZ	100(.25)	a	Terre Haute, Ind.	191 1/2 S. 6th St.
WBRE	N	100(.25)	a	Wilkes-Barre, Pa.	16 N. Main St.
WBRK	M	100(.25)	a	Pittsfield, Mass.	8 Bank Row
WCLS	...	100	a	Joliet, Ill.	301 E. Jefferson St.
WCMI	...	100(.25)	a	Ashland, Ky.	Box 106
WDAH	S	100(.25)	a	El Paso, Texas	Box 1976
WEBR	B	100(.25)	a	Buffalo, N. Y.	23 North St.
WEMP	...	100(.25)	a	Milwaukee, Wis.	711 Empire Bldg.
WEXL	...	50	a	Royal Oak, Mich.	212 W. 6th St.
WFBG	3	100	a	Altoona, Pa.	12th Ave. & 13th St.
WFDF	B	100	a	Flint, Mich.	Union Industrial Bldg.
WGAU	...	100(.25)	a	Athens, Ga.	J. K. Patrick & Co.
WGH	...	100(.25)	a	Newport News, Va.	Metropolitan Bldg.
WGTM	D	100	a	Wilson, N. C.	WGTM, Inc.
WHAT	4	100	a	Philadelphia, Pa.	Public Ledger Bldg.
WJAC	3	100(.25)	a	Johnstown, Pa.	Locust St.
WLAK	N	100(.25)	z	Lakeland, Fla.	Lake Region Brdctg. Co.
WLBC	...	100(.25)	a	Muncie, Ind.	Anthony Bldg.
WLBJ	P	100(.25)	z	Bowling Green, Ky.	Bowling Green Brdctg. Co.
WLNH	M	100	a	Laconia, N. H.	523 Main St.
WMBO	...	100(.25)	a	Auburn, N. Y.	Metcalf Bldg.
WMFF	B	100(.25)	a	Plattsburg, N. Y.	Hotel Cumberland
WNBH	M	100(.25)	a	New Bedford, Mass.	251 Union St.
WRAW	...	100	a	Reading, Pa.	533 Penn St.
WROL	N	100(.25)	a	Knoxville, Tenn.	524 S. Gay St.
WSAJ	...	100	a	Grove City, Pa.	Main & Broad Sts.
WSAV	P	100	z	Savannah, Ga.	Arthur Lucas
WSGN	B	100(.25)	a	Birmingham, Ala.	Birmingham News Co.
WSJS	C	100(.25)	a	Winston-Salem, N. C.	416 N. Marshall
WTAL	...	100(.25)	a	Tallahassee, Fla.	Fla. Capitol Broadcasters
WTEL	4	100	a	Philadelphia, Pa.	4312 N. Broad St.
WTJS	...	100(.25)	a	Jackson, Tenn.	Sun Bldg.
WTRC	...	100(.25)	a	Elkhart, Ind.	Hotel Elkhart
XEAG	...	10	z	Cordoba, Ver. C.	Av. "L", 135
XEBO	...	25	z	Irapuato, Gto.	Av. Guerrero 26
XEFW	...	300	a	Tampico, Tam.	Salvador Diaz Miron 6 ote.
XETB	...	500	a	Torreón, Coah.	Moreles 5060 pte.
XEX	...	500	a	Monterrey, N. L.	Calle 56 #508

1320 kcs. (227.1 m.)



CMCR	...	200	z	Havana, Cuba
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Av. de Menocal 115

KGHF	B	500	a	Pueblo, Colo.
KGMB	CMZ	1000	a	Honolulu, Hawaii
KID	...	500(1)	a	Idaho Falls, Idaho
KRNT	...	1000(5)	a	Des Moines, Ia
WADC	C	1000(5)	a	Akron, Ohio
WORK	N	1000	a	York, Pa.
WSMB	R	1000(5)	a	New Orleans, La.

113 Broadway
 Box 581
 Box 487
 715 Locust St.
 Box 29
 15 S. Beaver St.
 Maison Blanche Bldg.

1330 kcs. (225.4 m.)

KGB	M	1000	a	San Diego, Calif.
KMO	M	1000	a	Tacoma, Wash.
KRIS	MN	500	a	Corpus Christi, Tex.
KSCJ	C	1000(5)	a	Sioux City, Iowa
WDRC	C	1000(5)	g	Hartford, Conn.
WSAI	MN	1000(5)	a	Cincinnati, Ohio
WTAQ	C	1000(5)	a	Green Bay, Wis.

1012 First Ave.
 914 1/2 Broadway
 Medical & Professional Bldg.
 415 Douglas St.
 750 Main St.
 1329 Arlington St.
 Bellin Bldg.

1340 kcs. (223.7 m.)

KDTH	DP	500	z	Dubuque, Iowa
KGIR	N	1000(5)	a	Butte, Mont.
KGNO	...	250(1)	b	Dodge City, Kans.
WCOA	N	500(1)	a	Pensacola, Fla.
WFEA	MN	500(1)	a	Manchester, N. H.
WFNC	DP	250	z	Fayetteville, N. C.
WSPD	B	1000(5)	a	Toledo, Ohio
XEAP	...	50	z	Obregon, Son.
XEBS	...	200	z	Mexico City, D. F.
XEDH	...	200	z	Villa Acuna, Coah.
XEFC	...	100	a	Merida, Yuc.
XEBW	...	250	a	Chihuahua, Chih.
XEXD	A	350	z	Orizaba, Ver. C.

Telegraph Herald Co.
 121 W. Broadway
 First Nat'l Bank Bldg.
 San Carlos Hotel
 Carpenter Hotel
 Cumberland Brdcstg. Co.
 The Fort Industry Co.
 Veracruz 83
 Castila 153, Colonia alamos
 Galeana y B. Dominguez
 Calle 59 No. 517
 Voice of Industry & Commerce

1350 kcs. (222.1 m.)

CMCA	...	200	a	Havana, Cuba
KIDO	N	1000(2.5)	a	Boise, Idaho
KWK	BM	1000(5)	a	St. Louis, Mo.
WAWZ	2	1000	a	Zarephath, N. J.
WBNX	2	1000	a	New Cork, N. Y.
WMBG	RX	500	a	Richmond, Va.

Av. de Italia 102
 Hotel Boise
 Hotel Chase
 Pillar of Fire
 260 E. 161st St.
 914 W. Broad St.

1360 kcs. (220.4 m.)

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

Calle "H" del Castilla 37
 Willow & Kennedy St.
 435 Pine Ave.
 Box 707
 343 Court St.
 Francis Marion Hotel
 Onondaga Hotel
 4000 Washington Blvd.
 Hotel Vicksburg
 225 W. Colfax Ave.

1370 kcs. (218.8 m.)

CFAR	...	100	a	Flin Flon, Man.
CFOS	...	100	z	Owen Sound, Ont.
CKCW	F	100	a	Moncton, N. B.
CKRN	...	100	z	Rouyn, P. Q.
CMGE	...	200	a	Cardenas, Cuba
KEEN	3	100	a	Seattle, Wash.
KELD	...	100	z	El Dorado, Ark.
KERN	N	100	a	Bakersfield, Calif.
KFGO	D	100	a	Boone, Iowa
KFJZ	M	100(.25)	a	Fort Worth, Tex.
KFRD	DMXZ	250	a	Longview, Texas
KGFL	4	100	a	Roswell, N. Mex.
KGKL	M	100(.25)	a	San Angelo, Texas
KICA	4	100	a	Clovis, N. Mex.
KIUN	...	100	a	Pecos, Texas
KIUP	...	100	a	Durango, Colo.
KLUF	M	100(.25)	a	Galveston, Tex.
KMAC	5	100(.25)	a	San Antonio, Tex.

120 Main St.
 Owen Sound Sun-Times
 K. of P. Hall
 Radiodiffusion Rouyn-Noranda,
 Ltee.
 Av. Cespedes 180
 2101 Smith Tower
 Box 610
 Elks Bldg.
 924 W. 2nd St.
 502 Trinity Life
 Glover-Crim Bldv.
 502 W. Second St.
 St. Angelus Hotel
 Box 111
 KIUN Bldg.
 2800 Main St.
 1225 23rd St.
 Smith-Young Tower

KOBH	...	100(.25)	a	Rapid City, S. Dak.	Alex Johnson Hotel
KOKO	...	100	a	La Junta, Colo.	Southwest Brdcstg. Co.
KONO	5	100	a	San Antonio, Tex.	Milam Bldg.
KRE	...	100(.25)	a	Berkeley, Calif.	2337 Shattuck Ave.
KRKO	3	50	a	Everett, Wash.	2814 Rucker Ave.
KRMC	...	100(.25)	a	Jamestown, N. Dak.	Gladstone Hotel
KTEM	DM	250	a	Temple, Texas	Kyle Hotel
KTOK	MN	100(.25)	a	Oklahoma City, Okla.	1113 N. Broadway
KTWS	...	100	a	Emporia, Kans.	Broadview Hotel
KTUC	C	100(.25)	a	Tucson, Ariz.	S. 6th Ave. & 10th St.
KUJ	...	100	a	Walla Walla, Wash.	Marcus Whitman Hotel
KVGB	...	100	z	Great Bend, Kans.	Helen Townsley
KVRS	...	100(.25)	a	Rock Springs, Wyo.	Wyoming Brdcstg. Co.
KWYO	...	100(.25)	a	Sheridan, Wyo.	Big Horn Brdcstg. Co.
WABY	BM	100(.25)	a	Albany, N. Y.	Strand Theater Bldg.
WAGF	D	250	a	Dothan, Ala.	Box 25
WATL	...	100(.25)	a	Atlanta, Ga.	26 Cain St.
WBLK	...	100(.25)	a	Clarksburg, W. Va.	The Exponent Co.
WBNY	2	100(.25)	a	Buffalo, N. Y.	485 Main St.
WBTH	DP	100	z	Williamson, W. Va.	Williamson Brdcstg. Corp.
WBTM	...	100(.25)	a	Danville, Va.	Miller Bldg.
WCBM	...	100(.25)	a	Baltimore, Md.	Keith Theater Bldg.
WCNC	P	100(.25)	z	Elizabeth City, N. C.	Albemarle Brdcstg. Co.
WCOS	P	100(.25)	z	Columbia, S. C.	Carolina Adv. Corp.
WDAS	...	100(.25)	a	Philadelphia, Pa.	1211 Chestnut St.
WDWS	...	100(.25)	a	Champaign, Ill.	48-56 Main St.
WEOA	C	100(.25)	a	Evansville, Ind.	Evansv. on the Air, Inc.
WFOR	...	100	a	Hattiesburg, Miss.	Box 947
WGBR	P	100	z	Goldsboro, N. C.	Eastern Carolina Brd. Co.
WGL	N	100(.25)	a	Fort Wayne, Ind.	Westinghouse, Inc.
WGRC	D	250	a	New Albany, Ind.	North Side Brdc. Corp.
WHBO	...	100	a	Memphis, Tenn.	Hotel Claridge
WHDF	...	100(.25)	a	Calumet, Mich.	Scott St.
WHLB	C	100(.25)	a	Virginia, Minn.	Head of the Lakes Brd. Co.
WHLS	...	100(.25)	a	Port Huron, Mich.	932 Military St.
WIBM	B	100(.25)	a	Jackson, Mich.	306 W. Michigan Ave.
WISE	P	100	z	Asheville, N. C.	Broadway & College Aves.
WLLH	MSy	100(.25)	a	Lowell, Mass.	Box D
WLLH	Sy	100	a	Lawrence, Mass.	Cregg Bldg.
WMBR	C	100(.25)	a	Jacksonville, Fla.	Atlantic Annex Bldg.
WMFD	...	100(.25)	a	Wilmington, N. C.	Hotel Wilmington
WMFO	D	100	a	Decatur, Ala.	Box 1025
WMIN	...	100(.25)	a	St. Paul, Minn.	St. Anthony & Syndicate
WOC	C	100(.25)	a	Davenport, Iowa	1000 Brady St.
WPAV	...	100	a	Portsmouth, Ohio	Vee Bee Corp.
WPRA	XX	1000(.25)	a	Mayaguez, P. R.	McKinley & Del Rio Sts.
WRAK	...	100(.25)	a	Williamsport, Pa.	244 W. 4th St.
WRDO	MN	100	a	Augusta, Maine	1 Commercial St.
WRJU	...	100(.25)	a	Racine, Wis.	Hotel Racine
WSAU	...	100(.25)	a	Wausau, Wis.	Northern Brd. Co., Inc.
WSVS	D2	50	b	Buffalo, N. Y.	666 E. Delevan Ave.
WTSP	P	100(.25)	z	St. Petersburg, Fla.	Pinellas Brdcstg. Co.
XECZ	...	100	z	San Luis Potosi, S. L. P.	Zaragoza 32
XEI	...	125	a	Morelia, Micho.	F. I. Madero 545
XELZ	...	100	z	Mexico City, D. F.	Pino 243

1380 kcs. (217.3 m.)

CMCW	...	200	d	Havana, Cuba	Maiecon 54, esq. Galiano
KOH	C	500	a	Reno, Nev.	440 N. Virginia St.
KQV	C	500(11)	b	Pittsburgh, Pa.	1406 Chamber of Commerce
WALA	C	500(11)	a	Mobile, Ala.	Box 288
WING	X	200	a	Dayton, Ohio	121 N. Main St.
WKBH	C	1000	a	La Crosse, Wis.	409 Main St.
WNBC	R	250(11)	a	New Britain, Conn.	147 Main St.
XEM	...	500	z	Chihuahua, Chih.	Apartado 2033

1390 kcs. (215.7 m.)

CMJC	...	200	z	Camaguey, Cuba	Calle Cisneros y Gral Gomez
KABR	...	500(11)	a	Aberdeen, S. Dak.	Alonzo Ward Hotel
KLRA	...	1000(5)	a	Little Rock, Ark.	Gazette Bldg.
KOY	C	1000	g	Phoenix, Ariz.	Thomas Arcade Bldg.
KRLC	...	250	a	Lewiston, Idaho	Lewis-Clarke Hotel
WHK	KBM	1000(5)	a	Cleveland, Ohio	1311 Terminal Tower
WQDM	D	1000	f	St. Albans, Vt.	8 Kingman St.

1400 kcs. (214.2 m.)



CMKR	...	200
KHBC	CM	250
KLO	BX	500
KTUL	C	1000(5)
TGX	...	...
TIEM	...	250
WARD	2	500
WBBC	2	500
WHDL	D	250
WIRE	MR	1000(5)
WLTH	2	500
WVFW	2	500

z	Santiago de Cuba
a	Hilo, Hawaii
a	Ogden, Utah
a	Tulsa, Okla.
d	Guatemala City, Guat.
z	San Jose, C. Rica
a	Brooklyn, N. Y.
a	Brooklyn, N. Y.
a	Olean, N. Y.
a	Indianapolis, Ind.
a	New York, N. Y.
a	Brooklyn, N. Y.

Calle "B" Maso alta 69
 Box 595
 Hotel Ben Lomond
 Nat'l. Bank Bldg.
 Partido Liberal ProGresista
 Rafael Hine C.
 427 Fulton St.
 552-54 Atlantic Ave.
 Exchange Bank
 540 N. Meridian St.
 105 Second Ave.
 1 Nevins St.

1410 kcs. (212.6 m.)



CKFC	2	50
CKMO	2	100
CMCQ	...	200
KFJM	...	500(1)
KGNC	N	1000(2.5)
KMED	N	250
WAAE	M	1000
WBCA	...	500(1)
WRIS	...	500(1)
WROK	...	500(1)
WSFA	C	500(1)

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

1504 Sun Bldg.
 812 Robson St.
 Vista Alegre 269
 1st Nat'l. Bank Bldg.
 Radio Bldg.
 Sparta Bldg.
 21 Brookline Ave.
 Hotel Wenonah
 Bland St.
 109 S. Water St.
 Jefferson Davis Hotel

1420 kcs. (211.1 m.)



CBY	F	100
CHLN	...	100
CKCA	F	100(.25)
CMJP	...	200
KABC	M	100(.25)
KATE	...	100(.25)
KBPS	4	100
KCMC	M	100(.25)
KDNT	D	100
KEUB	...	100
KFAM	N	100(.25)
KFIZ	...	100
KGFF	M	100(.25)
KGIW	3	100
KGLU	...	100(.25)
KIDW	3	100
KLBM	...	100(.25)
KNET	D	100
KORE	M	100
KRBC	M	100(.25)
KRBM	P	100(.25)
KRIC	...	100(.25)
KRLH	D	100
KSAN	...	100
KTRI	...	100(.25)
KUMA	...	100
KVAK	DP	100
KWAL	P	100(.25)
KWBG	...	100
KXL	4	100(.25)
WACO	C	100(.25)
WAGM	...	100
WAPO	N	100(.25)
WAZL	2	100
WNOE	...	100(.25)
WCBS	...	100(.25)
WCHV	...	100(.25)
WEED	...	100(.25)
WELL	B	100
WFMJ	DP	100
WGNC	...	100(.25)
WGPC	...	100
WHFC	...	100(.25)
WHMA	D	100
WILM	2	100
WJMS	...	100

a	Toronto, Ont.
z	Three Rivers, P. Q.
a	Kenora, Ont.
a	Moron, Cuba
a	San Antonio, Texas
a	Albert Lea, Minn.
a	Portland, Ore.
a	Texarkana, Texas
a	Denton, Texas
a	Price, Utah
a	St. Cloud, Minn.
a	Fond du Lac, Wis.
a	Shawnee, Okla.
a	Alamosa, Colo.
a	Safford, Ariz.
a	Lamar, Colo.
z	La Grande, Ore.
a	Palestine, Texas
a	Eugene, Ore.
a	Abilene, Texas
z	Bozeman, Mont.
z	Beaumont, Texas
a	Midland, Texas
a	San Francisco, Calif.
f	Sioux City, Iowa
a	Yuma, Ariz.
z	Atchison, Kans.
z	Wallace, Idaho
a	Hutchinson, Kans.
b	Portland, Ore.
b	Waco, Texas
a	Presque Isle, Maine
a	Chattanooga, Tenn.
a	Hazleton, Pa.
a	New Orleans, La.
a	Springfield, Ill.
a	Charlottesville, Va.
a	Rocky Mount, N. C.
a	Battle Creek, Mich.
z	Youngstown, Ohio
z	Gastonia, N. C.
a	Albany, Ga.
a	Cicero, Ill.
a	Anniston, Ala.
a	Wilmington, Del.
a	Ironwood, Mich.

805 Davenport Road
 Three Rivers Le Nouvelliste
 Kenricia Hotel
 Callejas 80
 Milan Bldg.
 332 S. Broadway
 546 E. 12th Ave. N.
 317 Pine St.
 Harwell V. Shepard
 Eastern Utah Brdc. Co.
 Times Pub. Co.
 Lange Bldg.
 Aldridge Hotel
 Box 26
 6th Ave. & Relation St.
 129 W. Elm St.
 Harold and Eloise Finley
 Box 467
 733 Williamette St.
 Box 263
 KRBM Broadcasters
 KRIC, Inc.
 Clarence Scharbur
 1355 Market St.
 Sioux City Brdcstg. Co
 Box 267
 Carl Latenser
 Howarth and Berger
 100 E. Ave. "A"
 KXL Bldg.
 Frontier Brdcstg. Co.
 Main St.
 9th Broad St.
 Hazleton Nat'l Bank Bldg.
 St. Charles Hotel
 208 1/2 S. 5th St.
 Box 221
 Box 221
 1 W. Michigan Ave.
 101 W. Boardman St.
 Nat'l Bank of Comm. Bldg.
 Rylander Theater
 6138 Cermak Road
 Harry M. Ayers
 920 King St.
 St. James Hotel

WLPAP	...	100(.25)	a	Lexington, Ky.
WLEU	B	100(.25)	a	Erie, Pa.
WMAS	C	100(.25)	a	Springfield, Mass.
WMBC	...	100(.25)	a	Detroit, Mich.
WMBH	...	100(.25)	a	Joplin, Mo.
WMBS	...	100(.25)	a	Uniontown, Pa.
WMFJ	...	100	a	Daytona Beach, Fla.
WMSD	...	100	a	Muscle Shoals City, Ala.
WPAD	...	100(.25)	a	Paducah, Ky.
WPAR	C	100	a	Parkersburg, W. Va.
WPRP	...	100(.25)	a	Ponce, Puerto Rico
WSLI	...	100(.25)	a	Jackson, Miss.

Main & Esplanade
Commerce Bldg.
Hotel Stonehaven
7310 Woodward Ave.
1334 Roosevelt St.
Fayette Brdcastg. Corp.
126½ Magnolia Ave.
Box 688
2201 Broadway
Chancellor Hotel
Julio M. Conesa
Standard Life Ins. Co.

1430 kcs. (209.7 m.)

CGJX	F	1000	a	Yorkton, Sask.
CMKZ	...	200	z	Palma Soriano, Cuba
KECA	B	1000(5)	a	Los Angeles, Calif.
KGNF	D	1000	a	North Platte, Nebr.
KINY	X	250	a	Juneau, Alaska
KSO	BM	1000(5)	a	Des Moines, Iowa
WBNS	C	1000(5)	a	Columbus, Ohio
WHEC	C	500(1)	a	Rochester, N. Y.
WHP	C	500(1)	a	Harrisburg, Pa.
WMPS	B	500(1)	a	Memphis, Tenn.
WOKO	C	500(1)	a	Albany, N. Y.
XERH	P	500	z	Mexico City, D. F.

171 McDermot, Winnipeg
Estrada Palma Norte 10
1000 S. Hope St.
1521 W. 12th St.
Goldstein Bldg.
715 Locust St.
33 N. High St.
40 Franklin St.
216 Locust St.
Box 445
Hotel Ten Eyck
....

1440 kcs. (208.2 m.)

CKGB	F	100	a	Timmins, Ont.
CMBY	...	200	a	Havana, Cuba
HISN	...	100	z	Moca, D. R.
HP50	...	...	z	Colon, Panama
KDFN	...	500	a	Casper, Wyo.
KELA	M	1000	a	Centralia, Wash.
KXYZ	BM	1000	a	Houston, Texas
WBIG	C	1000(5)	a	Greensboro, N. C.
WCBA	a	500	a	Allentown, Pa.
WMBD	C	1000(5)	a	Peoria, Ill.
WSAN	aN	500	a	Allentown, Pa.
XEFI	...	250	a	Chihuahua, Chih.

R. H. Thomson, North Bay
Av. de Menocal 159
Calle Salcedo 72
La Voz de la Victor
First & Lennox Sts.
Central Brdcastg. Corp.
Gulf Bldg.
The O. Henry Hotel
39-41 Tenth St.
200 Alliance Life Bldg.
39 Tenth St.
Apartado 157

1450 kcs. (206.8 m.)

CFCT	...	500	a	Victoria, B. C.
CHGS	F	50	f	Summerside, P. E. I.
CMHM	...	200	z	Cienfuegos, Cuba
HRN	...	500	z	Tegucigalpa, Hond.
KCMO	...	1000	a	Kansas City, Mo.
KGCX	...	1000	a	Wolf Point, Mont.
KIEM	M	500(1)	a	Eureka, Calif.
KTBS	NZ	1000	a	Shreveport, La.
TGO	...	200	a	Quezaltenango, Guat.
WAGA	B	500(1)	a	Atlanta, Ga.
WGAR	C	1000(5)	a	Cleveland, Ohio
WHOM	...	250	a	Jersey City, N. J.
WSAR	M	1000	f	Fall River, Mass.
XEF	...	100	a	Juarez, Chih.

620 View St.
190 Water St.
Calle D. Clouet 33
La Voz de Honduras
1515 Comm. Trust Bldg.
Main & 4th
Vance Hotel
Box 17
Director of Electrical Comm'ons.
Western Union Bldg.
Hotel Statler
29 W. 57th St., N. Y. C.
Academy of Music Bldg.
Ferrocarril 200

1460 kcs. (205.4 m.)

CMKF	...	250	z	Holguin, Cuba
KSTP	RX	1000(25)	z	St. Paul, Minn.
WJSV	CX	1000	a	Washington, D. C.

Libertad esq. Arias
St. Paul Hotel
Earle Bldg.

1470 kcs. (204 m.)

CMCX	...	200	z	Havana, Cuba
KGA	BM	5000	a	Spokane, Wash.
WLAC	...	5000	a	Nashville, Tenn.

Santo Domingo 34, Guanabacoa
1023 W. Riverside Ave.
2421 West End Ave.

1480 kcs. (202.6 m.)

CMHX	...	200	a	Cienfuegos, Cuba
KOMA	C	5000	a	Oklahoma City, Okla.

Box 205
Biltmore Hotel

WHIP D 5000
WKBW C 5000

z Hammond, Ind.
a Buffalo, N. Y.

137 Pochman Ave.
Rand Bldg.

1490 kcs. (201.2 m.)

CMKQ ... 200
KFBK KN 10000
WCKY NX 10000
XEDH ? 250
XEDR ... 100

z Santiago de Cuba
a Sacramento, Calif.
a Covington, Ky.
z Toluca, Mex.
z Guaymas, Son.

Reparto Cuidamar
708 Eye St.
6th and Madison
...
Av. 15 No. 536

1500 kcs. (199.9 m.)

CJIC F 100
CMOX ... 200
KAWM ... 100
KBIX M 100
KBKR P 100(.25)
KBST M 100
KDAL C 100
KDB M 100(.25)
KDRO P 100(.25)
KFDA P 100
KGFI ... 100(.25)
KGKB M 100(.25)
KGKY ... 100(.25)
KNEL W 250
KNOW C 100
KOTN D 100
KOVX ... 100(.25)
KPAB ... 100(.25)
KPLC ... 100(.25)
KPLT DM 250
KPO M 100(.25)
KRNR M 100(.25)
KROD P 100
KSAL XZ 100(.25)
KSAM D 100
KTOH P 100(.25)
KUTA N 100
KVOE M 100
KWVC ... 100(.25)
KWEW D 100
KXO M 100
KYCA AP 100(.25)
KYSM N 100(.25)
WCNW 2 100(.25)
WDAN ... 100(.25)
WDNC C 100(.25)
WGAL N 100(.25)
WGIL D 250
WGLV P 100
WHBB ... 100
WJBK ... 100(.25)
WKAT ... 100(.25)
WKBB CY 100(.25)
WKBV ... 100(.25)
WKBZ ... 100(.25)
WKEU D 100
WKIN DP 100
WMEX ... 100(.25)
WNBF C 100(.25)
WNLC M 100
WOMI ... 100(.25)
WOPI ... 100
WRDW C 100(.25)
WRGA ... 100(.25)
WRTD B 100
WSTP M 100(.25)
WSYB M 100
WTMC P 100
WTMV ... 100(.25)
WWRL 2 100(.25)
WWSW ... 100(.25)

a Sault Ste. Marie, Ont.
a Havana, Cuba
a Gallup, N. Mex.
a Muskogee, Okla.
z Baker, Ore.
a Big Spring, Texas
a Duluth, Minn.
a Santa Barbara, Calif.
z Sedalia, Mo
z Amarillo, Texas
a Brownsville, Texas
a Tyler, Texas
a Scottsbluff, Nebr.
a Brady, Texas
a Austin, Texas
a Pine Bluff, Ark.
a Valley City, N. Dak.
a Laredo, Texas
a Lake Charles, La.
a Paris, Texas
a Wenatchee, Wash.
a Roseburg, Ore.
z El Paso, Texas
a Salina, Kans.
z Huntsville, Texas
z Lihue, Hawaii
a Salt Lake City, Utah
a Santa Ana, Calif.
z Vernon, Texas
z Hobbs, N. Mex.
z El Centro, Calif.
z Prescott, Ariz.
a Mankato, Minn.
a Brooklyn, N. Y.
a Danville, Ill.
a Durham, N. C.
a Lancaster, Pa.
a Galesburg, Ill.
z Charleston, W. Va.
a Selma, Ala.
a Detroit, Mich.
z Miami Beach, Fla.
a E. Dubuque, Ill.
a Richmond, Ind.
a Muskegon, Mich.
a Griffin, Ga.
z Kingston, N. Y.
a Boston, Mass.
a Binghamton, N. Y.
a New London, Conn.
a Owensboro, Ky.
a Bristol, Tenn.
a Augusta, Ga.
a Rome, Ga.
a Richmond, Va.
a Salisbury, N. C.
a Rutland, Vt.
z Ocala, Fla.
a E. St. Louis, Ill.
a Woodside, N. Y.
a Pittsburgh, Pa.

Windsor Hotel
10 entre 17 y 19
A. W. Mills
Barnes Bldg.
Louis P. Thornton
Crawford Hotel
Bradley Bldg.
15 Haley St.
2100 W. Broadway
Amarillo Brcdstg. Corp.
Eagle Brcdstg. Co.
Tyler Commercial College
1517 1/2 Broadway
Box 1077
Norwood Bldg.
Hotel Pines
KOVX, Inc.
Hamilton Hotel
Majestic Hotel
Gibraltar Hotel
20 Second St.
Umpqua Hotel Bldg.
Dorrance D. Roderick
Journal Bldg.
Sam Houston Brcdstg. Ass'n.
Garden Island Brcdstg. Co.
Utah Brcdstg. Co.
Voice of the Orange Empire
Northwestern Brcdstg. Co.
W. E. Whitmore
Box 140
Southwest Brcdstg. Co.
101 N. Second St.
846 Flatbush Ave.
Northwestern Pub. Co
Washington Duke Hotel
8 W. King St.
Hill Arcade Bldg.
Kanawha Valley Brdc. Co.
Box 26
6559 Hamilton Ave.
A. Frank Katzentine
Hotel Julian
Box 308
Michigan Theater Bldg.
906 Hill St.
Kingston Brcdstg. Corp.
Hotel Manger
Arlington Hotel
Mohican Hotel
Owensboro Brcdstg. Co.
22nd and State
309 Eighth St.
10 Third Ave.
State-Planters Bank Bldg.
Piedmont Brcdstg. Corp.
Box 328
John T. Alsop, Jr.
Miss. Valley Brcd. Co.
41-30 58th St.
Hotel Keystone

1510 kcs. (198.6 m.)

CFRC F 100
CKCR ... 100

a Kingston, Ont.
a Waterloo, Ont.

Fleming Hall
24 King St. S.

1520 kcs. (197.3 m.)

TGW	...	5000	d	Guatemala City, Guat.	Radiodifusora Nacional
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1530 kcs. (196 m.)

CMC	...	200	z	Havana, Cuba	Paseo de Marti 4
KITE	...	1000	a	Kansas City, Mo.	106 W. 14th St.
WBRY	CM	1000	a	Waterbury, Conn.	136 Grand St.

1550 kcs. (193.4 m.)

KPMC	M	1000	a	Bakersfield, Calif.	Pioneer Mercantile Co.
WQXR	...	1000	a	New York, N. Y.	730 Fifth Ave.

1560 kcs. (192.2 m.)

CMBF	...	5000	z	Havana, Cuba	Edif. Cuban Telephone Co.
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1580 kcs. (189.8 m.)

CM9RT	...	200	z	Guines, Cuba	Maximo Gomez 120
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1600 kcs. (187.4 m.)

CMBH	...	5000	z	Havana, Cuba	San Miguel 570
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(Continued from page 62)

Grants Pass, Ore., Southern Ore. Brdstg. Co., 1310 kcs. 100 unlttd.

Greenville, Miss., John R. Pepper, 1310 kcs. 100(.25) unlttd.

Hancock, Mich., Copper Country Brdstg. Co., 1370 kcs. 100(.25) S. H.

Hannibal, Mo., Courier Post Pub. Co.

Hannibal, Mo., Hannibal Brdstg. Co.

Herrin, Ill., Orville W. Lyerla, 1310 kcs. 100(.25) unlttd.

Hickory, N. C., Catawba Valley Brdstg. Co., 1370 kcs. 100(.25).

Hot Springs, Ark., Hot Springs Brdstg. Co., 1310 kcs. 100.

Las Vegas, Nev., Las Vegas Brdstg. Co., 1420 kcs. 100(.25).

Las Vegas, Nev., Nev. Brdstg. Co., 1370 kcs. 100(.25) unlttd.

Lawton, Okla., Carver, Williams & Ross, 1420 kcs. 100 unlttd.

Logan, W. Va., Frey and Greever, 1200 kcs. 100 days.

Louisville, Ky., Gateway Brdstg. Co., 880 kcs. 500 unlttd.

Martinsville, W. Va., M. Brdstg. Co., 1420 kcs. 250 days.

Martinsville, W. Va., Patrick Henry Brdstg. Co., 1420 kcs. 100(.25).

Marysville, Calif., Yuba-Sutter Broadcasters, 1320 kcs. 250 unlttd.

Montebello, Calif., Bureau of Education, 1420 kcs. 100 days (request contingent upon move of KECA to San Diego).

Niagara Falls, N. Y., N. F. Gazette Pub. Co., 1260 kcs. 1 kw.

Norfolk, Va., Colonial Brdstg. Corp., 1370 kcs. 100(.26).

North Sacramento, Calif., Grant Union High School District, 1370 kcs. 100 days.

Ogdensburg, N. Y., St. Lawrence Brdstg. Corp., 1310 kcs. 100(.25).

Olney, Ill., Olney Brdstg. Co., 1210 kcs. 100(.25) unlttd.

Opelika, Ala., Opelika-Auburn Brdstg. Co., 1370 kcs. 100(.25).

Orlando, Fla., Hazlewood Co., 1390 kcs. 1 kw. unlttd.

Pawtucket, R. I., Pawtucket Brdstg. Co., 1390 kcs. 1 kw. unlttd.

Phoenix, Ariz., M. C. Reese, 1200 kcs. 100(.25) unlttd.

Ponce, P. R., Portorican American Brdstg. Co., 1340 kcs. 1 kw.

Pontiac, Mich., King-Trendle Brdstg. Corp., 1440 kcs. 250 unlttd.

Pontiac, Mich., Pontiac Brdstg. Co., 1100 kcs. 1 kw. days.

Pontiac, Mich., Geo. B. Storer, 600 kcs. 500(1) unlttd.

Riverside, Calif., Brdstg. Corp. of America, 1390 kcs. 1 kw.

Riverside, Calif., Richard T. Sampson, 1390 kcs. 250 days.

Rochester, N. Y., Edward J. Doyle, 1270 kcs. 500 days.

Saginaw, Mich., Saginaw Brdstg. Co.

Salina, N. Y., Sentinel Brdstg. Corp., 620 kcs. 1 kw. unlttd.

Sandusky, Mich., Thumb Brdstg. Co., 880 kcs. 1 kw. days.

San Juan, P. R., Enrique Abarca Sanfeliz, 580 kcs. 1 kw. unlttd.

San Juan, P. R., United Theaters, Inc., 580 kcs. 1 kw. unlttd.

Santa Monica, Calif., A. E. Austin, 1160 kcs. 100(.25).

Sault Ste. Marie, Mich., Hiawathaland Brdstg. Co., 1200 kcs. 100(.25) unlttd.

Seranton, Pa., Lackawanna Brdstg. Co., 1370 kcs. 100(.25).

Seranton, Pa., Union Brdstg. Co., 1370 kcs. 100(.25) unlttd.

Shelby, N. C., Jos. A. Lattimore, 1370 kcs. 100(.25) unlttd.

Spartanburg, S. C., S. Advertising Co., 1370 kcs. 100(.25) unlttd.

Springfield, Ohio, Radio Voice of Springfield, 1310 kcs. 100 unlttd.

(Please turn to page 94)

NORTH AMERICAN B. C. STATIONS BY LOCATIONS

Frequency is given in kilocycles in second column. For power and network affiliations, refer to the list of North American stations by Frequencies.

ALABAMA		Fort Smith KFPW 1210 Hot Springs KTHS 1060 Jonesboro KBTM 1200 Little Rock KARK 890 KGHI 1200 KLLA 1390 Pine Bluff KOTN 1500 Siloam Springs KFOA 1260	San Bernardino KFXX 1210 San Diego KFSD 600 KGB 1330 San Francisco KFRC 610 KGO 790 KJBS 1070 KPO 680 KSAN 1420 KSFO 560 KYA 1230 San Jose KQW 1010 San Luis Obispo KVEC 1200 Santa Ana KVOE 1500 Santa Barbara KDB 1500 KTMS 1220 Santa Rosa KSHO 1310 Stockton KGDM 1100 KWG 1200 Visalia KTKC 1190 Watsonville KHUB 1310	New Haven WELI 900 New London WNLC 1500 Waterbury WATR 1290 WBLY 1530	WGST 890 WSB 740 Augusta WRDW 1500 Columbus WRBL 1200 Griffin WKUE 1600 Macon WMAZ 1180 Rome WRGA 1500 Savannah WSAV 1310 WTOC 1260 Thomasville WPAX 1210 Waycross WAYS 1200		
ALASKA		CALIFORNIA		DELAWARE			
Anchorage KFQD 780 Fairbanks KPAR 610 Juneau KINY 1430 Kotchikan KGBU 600		Bakersfield KERN 1370 KPMC 1550 Berkeley KRE 1370 Beverly Hills KMPC 710 Chico KHSL 1260 El Centro KXO 1500 Eureka KHEM 1450 Fresno KARM 1313 KMJ 580 Glendale KIEV 850 Long Beach KFOX 1250 KGER 1360 Los Angeles KECA 1430 KETHL 780 KPAC 1360 KPI 640 KPSG 1120 KPYD 1000 KFWB 950 KGFJ 1200 KHJ 900 KMTR 570 KNX 1050 KRRD 1150 Merced KYN 1040 Modesto KTRB 740 Monterey KDON 1210 Oakland KLS 1230 KLX 880 KROW 930 Pasadena KPPC 1210 Redding KVCV 1290 Sacramento KFBK 1490 KROY 1210		Wilmington WDEL 1120 WILM 1420		DISTRICT OF COLUMBIA	
ARIZONA		COLORADO		FLORIDA			
Globe KWJR 1210 Jerome KCRJ 1310 Lowell KSN 1200 Phoenix KOY 1390 KPAR 620 Prescott KYCA 1500 Safford KGLU 1420 Tucson KTUC 1370 KVOA 1260		Alamosa KGIW 1420 Colorado Springs KVOB 1270 Denver KFEL 920 KLZ 560 KOA 830 KPOF 880 KVOD 920 Durango KIUP 1370 Grand Junction KFJ 1200 Greeley KFKA 880 La Junta KOKO 1370 Lamar KIDW 1420 Pueblo KGHF 1320 Sterling KGEK 1200		Washington WISV 1460 WMAL 630 WOL 1230 WRC 950 Daytona Beach WMEF 1420 Gainesville WRUF 830 Jacksonville WJAX 900 WJHP 1290 WMBR 1370 Lakeland WIAK 1310 Miami WIOD 610 WMBF 610 WQAM 560 Miami Beach WKAT 1500 Ocala WTMC 1500 Orlando WDRO 580 Panama City Pensacola WCOA 1340 St. Augustine WFOY 1210 St. Petersburg WSUN 620 WTSN 1370 Tallahassee WTAL 1310 Tampa WDAB 1220 WFLA 620 West Palm Beach WJNO 1200		HAWAII Hilo KHBC 1400 Honolulu KGBB 1320 KGU 750 Lihue KTOH 1500 IDAHO Boise KIDO 1350 Idaho Falls KID 1320 Lewiston KRLC 1390 Nampa KFXD 1200 Pocatello KSET 900 Twin Falls KTFT 1240 Wallace KWAL 1420 ILLINOIS Aurora WMRO 1250 Bloomington WJBC 1200 Carthage WCAZ 1070 Champaign WDWS 1370 Chicago WAAF 920 WBBM 770 ACBD 1080 WCFL 970 WCRW 1210 WEDC 1210 WENR 870 WGES 1360 WGN 720 WJJD 1130 WLS 870 WMAQ 670 WMBI 1080	
ARKANSAS		CONNECTICUT		GEORGIA			
Blytheville KLCN 1290 El Dorado KELD 1370		Bridgeport WICC 600 Hartford WDRC 1330 WTRC 1040 WTVT 1200 New Britain WNBC 1380		Albany WGPC 1420 Athens WGAU 1310 Atlanta WAGA 1450 WATL 1370			

NORTH AMERICAN B. C. STATIONS BY LOCATIONS

WSBC	1210
Cicero	
VHFC	1420
Danville	
WDAN	1500
Decatur	
WJBL	1200
East Dubuque	
WKBB	1500
East St. Louis	
WTMV	1500
Galesburg	
WGIL	1500
Harrisburg	
WEBQ	1210
Joliet	
WCLS	1310
Peoria	
WMBD	1440
Quincy	
WTAD	900
Rockford	
WROK	1410
Rock Island	
WHBF	1240
Springfield	
WCBS	1420
WTAX	1210
Tuscola	
WDZ	1020
Urbana	
WILL	580

INDIANA

Anderson	
WHBU	1210
Elkhart	
WTRC	1310
Evansville	
WEOA	1370
WGRF	630
Fort Wayne	
WGL	1370
WOWO	1160
Gary	
WIND	560
Hammond	
WHIP	1480
WWAE	1200
Indianapolis	
WFBN	1230
WIBC	1050
WIRE	1400
Muncie	
WLBC	1310
New Albany	
WGRC	1370
Richmond	
WKBY	1500
South Bend	
WFAM	1200
WSBT	1360
Terre Haute	
WBOW	1310
West Lafayette	
WBAA	890

IOWA

Ames	
WOI	640
Boone	
KFGQ	1370

Cedar Rapids	
WMT	600
Davenport	
WOC	1370
Decorah	
KGCA	1270
KWLC	1270
Des Moines	
KRNT	1320
KSO	1430
NHO	1000
Dubuque	
KDTH	1340
Iowa City	
WSUI	880
Marshalltown	
KFJB	1200
Mason City	
KGLO	1210
Shenandoah	
KFNF	890
KMA	930
Sioux City	
KSCJ	1330
KTRI	1420

KANSAS

Abilene	
KFBI	1050
Atchison	
KVAK	1420
Coffeyville	
KGGP	1010
Dodge City	
KGNO	1340
Emporia	
KTSW	1370
Garden City	
KIUL	1210
Great Bend	
KVGB	1370
Hutchinson	
KWBG	1420
Kansas City	
KCKN	1310
Lawrence	
KFKU	1220
WREN	1220
Manhattan	
KSAC	580
Pittsburg	
KOAM	790
Salina	
KSAL	1500
Topeka	
WIBW	580
Wichita	
KANS	1210
KPFH	1300

KENTUCKY

Ashland	
WGMJ	1310
Bowling Green	
WBLJ	1310
Covington	
WCKY	1490
Lexington	
WLAP	1420
Louisville	
WAVE	940

WHAS	820
WNN	1210
Owensboro	
WOMI	1500
Paducah	
WPAD	1420

LOUISIANA

Alexandria	
KALB	1210
Baton Rouge	
WJBO	1120
Lafayette	
KVOL	1310
Lake Charles	
KPLC	1500
Monroe	
KMLB	1200
New Orleans	
WDSU	1250
WBBV	1200
WNOE	1420
WSMB	1320
WWL	850
Shreveport	
KRMD	1310
KTBS	1450
KWKH	1100

MAINE

Augusta	
WRDO	1370
Bangor	
WABI	1200
WLBZ	620
Lewiston	
WCOU	1210
Portland	
WCSH	940
WGAN	640
Presque Isle	
WAGM	1420

MARYLAND

Baltimore	
WRAL	760
WRAL	1060
WCAO	600
WCBM	1370
WFBR	1270
Cumberland	
WTBO	800
Frederick	
WTFD	900
Hagerstown	
WIEJ	1210
Salisbury	
WSAL	1200

MASSACHUSETTS

Boston	
WAAB	1410
WBZ	990
WCOP	1120
WEHI	590
WHDH	830
WMEX	1500

WNAC	1230
WORJ	920
Fall River	
WSAR	1450
Greenfield	
WHAI	1210
Hyannis	
WOCB	1210
Lawrence	
WLAW	680
WLLH	1370
Lowell	
WLLH	1370
New Bedford	
WLLH	1370
Lowell	
WBRK	1310
Springfield	
WBZA	990
WMAS	1420
WSPR	1140
Worcester	
WORC	1280
WTAG	580

MICHIGAN

Battle Creek	
WELL	1420
Bay City	
WBCM	1410
Calumet	
WHDF	1370
Detroit	
WJPK	1500
WJR	750
WMCB	1420
WWJ	920
WXYZ	1240
East Lansing	
WKAR	850
Flint	
WDFD	1310
Grand Rapids	
WASH	1270
WOOD	1270
Ironwood	
WJMS	1420
Jackson	
WJIM	1370
Kalamazoo	
WKZO	590
Lansing	
WJIM	1210
Lapeer	
WMPG	1200
Marquette	
WBEQ	1310
Muskegon	
WKBZ	1500
Port Huron	
WHLS	1370
Royal Oak	
WEXL	1310

MINNESOTA

Albert Lea	
KATE	1420
Duluth	
KDAL	1500
WEBC	1290
Fergus Falls	
KGDE	1200

Hibbing	
WMFG	1210
Mankato	
KYSM	1500
Minneapolis	
WCCO	810
WDGY	1189
WLB	760
WTCN	1250
Moorhead	
KVOX	1310
Northfield	
WCAL	760
Rochester	
KROC	1310
St. Cloud	
KFAM	1420
St. Paul	
KSTP	1460
WMIN	1370
Virginia	
WHBF	1370
Winona	
KWNO	1200

MISSISSIPPI

Grenada	
WGRM	1210
Gulfport	
WGCN	1210
Hattiesburg	
WFOR	1370
Jackson	
WJDX	1270
WSLI	1420
Laurel	
WAML	1310
McComb	
WSKB	1200
Meridian	
WCOC	880
Vicksburg	
WQBC	1360

MISSOURI

Cape Girardeau	
KFVS	1210
Columbia	
KFRU	630
Jefferson City	
KWOS	1310
Joplin	
WMBH	1420
Kansas City	
KCMO	1450
KITE	1530
KMBC	950
WDAF	610
WIB	860
Poplar Bluff	
KWOC	1310
St. Joseph	
KFEQ	680
St. Louis	
KFTO	550
KMOX	1090
KSD	550
KWK	1350
KXOK	1250
WEW	760
WIL	1200

NORTH AMERICAN B. C. STATIONS BY LOCATIONS

Sedalia
KDRO 1500
Springfield
KGBX 1230
KWTO 580

MONTANA

Billings
KGHL 780
Bozeman
KRBM 1420
Butte
KGIR 1340
Great Falls
KFBB 1280
Helena
KPFA 1210
Kalispell
KGEZ 1310
Missoula
KGVO 1260
Wolf Point
KGCC 1450

NEBRASKA

Grand Island
KMMJ 740
Kearney
KGFV 1310
Lincoln
KFAB 770
KFOR 1210
Norfolk
WJAG 1060
North Platte
KGNP 1430
Omaha
KOLL 1260
KOWH 660
WOW 590
Scottsbluff
KGKY 1500

NEVADA

Reno
KOH 1380

NEW HAMPSHIRE

Laconia
WLNH 1310
Manchester
WPEA 1340
Portsmouth
WHEB 710

NEW JERSEY

Asbury Park
WCAP 1289
Atlantic City
WBAB 1200
WPG 1100
Bridgeton
WSNJ 1210
Camden
WCAM 1280
Jersey City
WAAT 940

WHOM 1450
Newark
WBBI 1250
WOR 710
Red Bank
WRRB 1210
Trenton
WTNJ 1280
Whippany
W3XDD ---
Zarephath
WAWZ 1350

NEW MEXICO

Albuquerque
KGGM 1230
KOB 1180
Carlsbad
KLAH 1210
Clovis
KICA 1370
Gallup
KAWM 1500
Hobbs
KWRW 1500
Roswell
KGFL 1370
Santa Fe
KVSE 1310

NEW YORK

Albany
WARY 1370
WOKO 1430
Auburn
WMBO 1310
Binghamton
WNBZ 1500
Brooklyn
WARD 1400
WTRC 1400
WBBR 1200
WCNW 1500
WVFW 1400
Buffalo
WBEN 900
WBNY 1370
WEHR 1310
WGR 550
WKBW 1489
WSVS 1376
Canton
WCAD 1220
Elmira
WENY 1200
WESG 850
Freeport
WGBE 1210
Jamestown
WJTN 1210
Kingston
WKIN 1500
Newburgh
WGNV 1220
New York
WABC 800
WBLI 1100
WBXX 1380
WBOQ 800
WEAF 660
WEYD 1390

WHN 1010
WINS 1180
WJZ 760
WJTH 1400
WMCA 570
WNEW 1250
WNYC 810
WOV 1130
WQXR 1550
Olean
WHDL 1400
Plattsburgh
WMPF 1310
Rochester
WHAM 1150
WHBC 1430
WSAY 1210
Saranac Lake
WNBZ 1290
Schenectady
WGY 790
Syracuse
WFBL 1360
WSYR 570
WSYU 570
Troy
WHAZ 1300
WTRY 950
Utica
WIBX 1200
White Plains
WFAS 1210
Woodside
WWRL 1500

NORTH CAROLINA

Asheville
WISE 1370
WVNC 570
Charlotte
WBT 1080
WSOC 1210
Durham
WDNC 1500
Elizabeth City
WCNC 1370
Fayetteville
WFNC 1340
Gastonia
WGNC 1420
Goldsboro
WGBR 1370
Greensboro
WRIG 1440
High Point
WMBR 1200
Kinston
WFIC 1200
Raleigh
WFTE 680
WRAL 1210
Rocky Mount
WEED 1420
Salisbury
WSTP 1500
Wilmington
WMPD 1370
Wilson
WGTM 1310
Winston-Salem
WAIR 1250
WSJS 1310

NORTH DAKOTA

Bismarck
KFYR 550
Devils Lake
KDLL 1210
Fargo
WDAY 940
Grand Forks
KFJM 1410
Jamestown
KRMC 1370
Mandan
KGGU 1240
Minot
KLPM 1360
Valley City
KOVC 1500

OHIO

Akron
WADC 1320
WJW 1210
Ashtabula
WICA 940
Canton
WTRC 1200
Cincinnati
WCPO 1200
WKRC 550
WLW 700
WSAI 1330
WEXO 700
Cleveland
WCLE 610
WGAR 1450
WTHK 1390
WTAM 1070
Columbus
WBNS 1430
WCOL 1210
WIKC 640
WOSU 570
Dayton
WHIO 1260
WING 1380
Lima
WLOK 1210
Portsmouth
WPAV 1370
Toledo
WSPD 1240
WTOL 1200
Youngstown
WPMJ 1420
WKBN 570
Zanesville
WATR 1210

OKLAHOMA

Ada
KADA 1200
Ardmore
KVSO 1210
Elk City
KASA 1210
Enid
KCRK 1360
Muskogee
KBIX 1500
Norman
WNAD 1010
Oklahoma City
KOCY 1310

KOMA 1480
KTKO 1370
WKY 900
Okmulgee
KTBG 1210
Ponca City
WBHZ 1200
Shawnee
KGFF 1420
Tulsa
KOME 1310
KTUL 1400
KVOO 1140

OREGON

Astoria
KAST 1200
Baker
KPKR 1500
Bend
KBND 1310
Corvallis
KOAC 550
Eugene
KORE 1420
Klamath Falls
KFJJ 1210
La Grande
KLBM 1420
Marshfield
KOOS 1200
Medford
KMED 1410
Portland
KALE 1300
KBPS 1420
KEX 1180
KGW 620
KOIN 940
KWJ 1040
KXL 1420
Roseburg
KRRR 1500
Salem
KSLM 1360

PENNSYLVANIA

Allentown
WCBA 1440
WSAN 1440
Altoona
WFBG 1310
Easton
WEST 1200
Erie
WLEU 1420
Glenside
WJBG 970
Greensburg
WILB 620
Grove City
WSAJ 1310
Harrisburg
WHP 1430
WKBO 1200
Hazleton
WAZL 1420
Johnstown
WJAC 1310
Lancaster
WGAL 1500
New Castle
WKST 1250
KYW 1020
Philadelphia

NORTH AMERICAN B. C. STATIONS BY LOCATIONS

WCAU 1170
 WDAS 1370
 WFIL 560
 WHAT 1310
 WIP 610
 WPEP 920
 WFEL 1310
 Pittsburgh
 KDKA 980
 KQV 1380
 WCAE 1220
 WJAS 1290
 WWSW 1500
 Reading
 WEEU 830
 WRAW 1310
 Scranton
 WGBI 850
 WQAN 880
 Sharon
 WPIC 780
 Sunbury
 WKOK 1210
 Uniontown
 WMBS 1420
 Wilkes-Barre
 WBAX 1210
 WBRE 1310
 Williamsport
 WRAK 1370
 York
 WORK 1320

PUERTO RICO
 Mayaguez
 WPIA 1370
 Ponce
 WPIP 1420
 San Juan
 WKAQ 1240
 WNEL 1290

RHODE ISLAND
 Providence
 WEAN 780
 WJAR 890
 WPRO 630

SOUTH CAROLINA
 Anderson
 WAIM 1200
 Charleston
 WCSC 1360
 WTMA 1210
 Columbia
 WCOS 1370
 WIS 560
 Florence
 WOLS 1200
 Greenville
 WFBC 1300
 Spartanburg
 WSPA 920

SOUTH DAKOTA
 Aberdeen
 KABR 1380

Brookings
 KFDY 780
 Pierre
 KGFY 630
 Rapid City
 KORH 1370
 WCAT 1200
 Sioux Falls
 KELO 1200
 KSOO 1110
 Vermillion
 KUSD 890
 Yankton
 WNAX 570

TENNESSEE
 Bristol
 WOPI 1500
 Chattanooga
 WAPO 1420
 WDOD 1280
 Jackson
 WTJS 1310
 Johnson City
 WJHL 1200
 Knoxville
 WNOX 1010
 WROL 1310
 Memphis
 WHBQ 1370
 WMC 780
 WMP's 1430
 WREC 600
 Nashville
 WLAC 1470
 WSIX 1210
 WSM 650

TEXAS
 Abilene
 KRBC 1420
 Amarillo
 KFDA 1500
 KGNC 1410
 Austin
 KNOW 1500
 KTBC 1120
 Beaumont
 KFDM 560
 KRIC 1410
 Big Spring
 KBST 1500
 Brady
 KNEI 1500
 Brownsville
 KGFI 1500
 College Station
 WTAW 1120
 Corpus Christi
 KRIS 1330
 Corsicana
 KAND 1310
 Dallas
 KRLD 1040
 WFAA 800
 WBR 1280
 Denton
 KDNT 1420
 Dublin
 KFPL 1310

El Paso
 KRDD 1500
 KTSM 1310
 WDAH 1310
 Fort Worth
 KFJZ 1370
 KGKO 370
 KTAT 1240
 WBAP 800
 Galveston
 KLUP 1370
 Houston
 KPRC 920
 KTRH 1290
 KXYZ 1440
 Huntsville
 KSAM 1500
 Kilgore
 KOCA 1210
 Laredo
 KPAB 1500
 Longview
 KFRO 1370
 Lubbock
 KFYO 1310
 Lufkin
 KRBA 1310
 Midland
 KRLH 1420
 Palestine
 KNEI 1420
 Pampa
 KPDN 1310
 Paris
 KPIT 1500
 Pecos
 KIUN 1370
 Port Arthur
 KPAC 1260
 San Angelo
 KGKL 1370
 San Antonio
 KABC 1420
 KMAC 1370
 KONO 1370
 KTSN 550
 WOAI 1190
 Sherman
 KRRLV 1310
 Sweetwater
 KXOX 1210
 Temple
 KTEM 1370
 Texarkana
 KCMC 1420
 Tyler
 KGHB 1500
 Vernon
 KWVC 1500
 Waco
 WACO 1420
 Weslaco
 KIGV 1260
 Wichita Falls
 KWFT 620

UTAH
 Cedar City
 KSUB 1310
 Logan
 KVNU 1200
 Ogden
 KLO 1400

Price
 KRUB 1420
 Provo
 KOVO 1210
 Salt Lake City
 KDYL 1290
 KSL 1150
 KUTA 1500

VERMONT
 Burlington
 WCAN 1200
 Rutland
 WSYB 1500
 St. Albans
 WQDM 1390
 Springfield
 WNBX 1260
 Waterbury
 WDEV 550

VIRGINIA
 Charlottesville
 WCHV 1420
 Danville
 WBTM 1370
 Fredericksburg
 WFVA 1260
 Harrisonburg
 WSWA 550
 Lynchburg
 WLVA 1200
 Newport News
 WGII 1310
 Norfolk
 WTAL 780
 Petersburg
 WPIV 1210
 Richmond
 WBBL 1210
 WMBG 1350
 WRNL 880
 WRD 1500
 WRVA 1110
 Roanoke
 WDBJ 930

WASHINGTON
 Aberdeen
 KXRO 1310
 Bellingham
 KVSQ 1200
 Centralia
 KELA 1440
 Everett
 KRKO 1370
 Longview
 KWLK 750
 Olympia
 KGY 1210
 Pullman
 KWSC 1220
 Seattle
 KEEN 1370
 KIRO 710
 KJR 970
 KOL 1270
 KOMO 920
 KRSC 1120

KTW 1220
 KXA 760
 Spokane
 KPFO 1120
 KFPY 890
 KGA 1470
 KIHQ 590
 Tacoma
 KMO 1330
 KVI 570
 Vancouver
 KVAN 880
 Walla Walla
 KUT 1370
 Wenatchee
 KPQ 1500
 Yakima
 KIT 1250

WEST VIRGINIA
 Beckley
 WJLS 1210
 Bluefield
 WHIS 1410
 Charleston
 WCHS 580
 WGVV 1500
 Clarksburg
 WBLK 1370
 Fairmont
 WMMN 890
 Huntington
 WSZA 1190
 Parkersburg
 WPAR 1420
 Wheeling
 WWVA 1100
 Williamson
 WBTH 1370

WISCONSIN
 Eau Claire
 WEAU 1050
 Fond du Lac
 KPIZ 1420
 Green Bay
 WHBY 1200
 WTAQ 1320
 Janesville
 WOLO 1200
 LaCrosse
 WKBH 1380
 Madison
 WHA 940
 WBA 1280
 Manitowoc
 WMTT 1210
 Marinette
 WMMW 570
 Milwaukee
 WEMP 1310
 WISN 1120
 WTMJ 620
 Poynette
 WIBU 1210
 Racine
 WRJN 1370
 Rice Lake
 WJMC 1210
 Sheboygan
 WHBL 1300

NORTH AMERICAN B. C. STATIONS BY LOCATIONS

Stevens Point
 WBLB 900
 Superior
 WDSM 1200
 Wausau
 WSAU 1370

WYOMING

Casper
 KDFN 1440
 Rock Springs
 KVR5 1370
 Sheridan
 KWYO 1370

BAHAMAS

Nassau
 ZNS 790

**CANADA
 ALBERTA**

Calgary
 CFAC 930
 CFCA 1030
 CJCJ 690
 Edmonton
 CFRN 960
 CICA 730
 CKUA 580
 Grande Prairie
 CFGP 1200
 Lethbridge
 CJOC 1210

**BRITISH
 COLUMBIA**

Chilliwack
 CHWK 780
 Kamloops
 CFJC 880
 Kelowna
 CKOV 630
 Prince Rupert
 CFRP 580
 Trail
 CJAT 910
 Vancouver
 CBL 1100
 CJOR 600
 CKCD 1010
 CKFC 1410
 CKMO 1410
 CKWX 1010
 Victoria
 CFCT 1450

MANITOBA

Brandon
 CKX 1120
 Flin Flon
 CFAR 1370
 Winnipeg
 CJRC 630
 CKY 910

**NEW
 BRUNSWICK**

Fredericton
 CFNB 550
 Moncton
 CKCV 1370
 Sackville
 CBA 1050
 St. John
 CRSJ 1120

NOVA SCOTIA

Glace Bay
 VAS 685
 Halifax
 CHNS 930
 Sydney
 CJCB 1240
 Wolfville
 CKIC 1010
 Yarmouth
 CJLS 1310

ONTARIO

Brantford
 CKPC 930
 Chatham
 CFCC 630
 Cobalt
 CKMC 1210
 Fort William
 CKPR 580
 Hamilton
 CHML 1010
 CKOC 1120
 Kenora
 CKCA 1420
 Kingston
 CFRC 1510
 Kirkland Lake
 CJKL 1310
 London
 CFPL 730
 North Bay
 CFCH 930
 Ottawa
 CBO 880
 CKCO 1010
 Owen Sound
 CFOS 1370
 Prescott
 CFLO 930
 St. Catharines
 CKTB 1200
 Sault Ste. Marie
 CHC 1500
 Stratford
 CICS 1210
 Sudbury
 CKSO 780
 Timmins
 CKGB 1440
 Toronto
 CBL 840
 CBY 1420
 CFRB 690
 CKCL 580
 Waterloo
 CKCR 1510

Windsor
 CKLW 1030
 Wingham
 CKNX 1200

**PRINCE ED-
 WARD ISLAND**

Charlottetown
 CFYC 630
 CHCK 1310
 Summerside
 CHGS 1450

QUEBEC

Chicoutimi
 CIM 1120
 Hull
 CKCH 1210
 Montreal
 CBF 910
 CBM 960
 CFCF 600
 CHLP 1120
 CKAC 730
 New Carlisle
 CHNC 610
 Quebec
 CHRC 580
 CKCV 1310
 CBV 950
 Rimouski
 CBR 1050
 Rouyn
 CKRN 1370
 St. Anne de la
 Pocatiere
 CHGB 1200
 Sherbrooke
 CHLT 1210
 Three Rivers
 CHLN 1420

ASKATCHEWAN

Moose Jaw
 CHAB 1200
 Prince Albert
 CKBI 1210
 Regina
 CJRM 950
 CKCK 1010
 Saskatoon
 CFQC 600
 Watrous
 CBK 540
 Yorkton
 CUGX 1430

COSTA RICA

Alajuela
 T45CV 575
 San Jose
 TIRM 1400
 TIRP 830
 TIFA 1000
 TIGH 725
 TIGPH 1225
 TILJ 775

TLS 880
 TIRP 625
 TIRH 950
 TIRM 750
 TIRS 915
 TIX 650
 TIXD 800

CUBA

Bayamo 950
 Calbarien 1270
 Camaguey 860
 CMJA 1390
 CMJC 1230
 CMJE 930
 CMJK 1290
 CMJW 1070
 CMJX 740

Cardenas 1370
 Ciego de Avila 1360
 CMJI 1130
 CMJO 1290
 Cienfuegos
 CMJH 1160
 CMJM 1450
 CMJX 1480
 Cruces
 CMHK 1210

Guantanamo

CMKS 710
 Guines
 CMGR 1580
 Havana
 CMBC 690
 CMBD 1260
 CMBF 1560
 CMBG 1140
 CMBH 1000
 CMBL 750
 CMBQ 910
 CMBS 1170
 CMBX 1080
 CMBY 1440
 CMBZ 940
 CMC 1530
 CMCA 1350
 CMCB 1230
 CMCD 630
 CMCF 810
 CMCG 1290
 CMCH 1050
 CMCI 1110
 CMCK 970
 CMCL 730
 CMCM 850
 CMCO 1300
 CMCP 1050
 CMCQ 1410
 CMCU 1010
 CMCL 1320
 CMCV 730

CMCX 1470
 CMCY 570
 CMCK 720
 CMOA 600
 CMOX 1500
 CMQ 780
 CMW 550
 CMX 880

Holguin
 CMKF 1460
 CMKO 1280

Manzanillo
 CMKE 1310
 CMKM 1080

Matanzas
 CMGF 1120
 CMGH 790

Moron
 CMJP 1420

Palma Soriano
 CMKZ 1430
 Pinar del Rio
 CMAB 1240

Placetas
 CMHP 1100
 Sagua la Grande
 CMHA 1090
 CMHO 870

Sancti Spiritus
 CMIB 1240
 Santa Clara
 CMHI 530
 CMHW 680

Santiago
 CMKC 1250
 CMKD 910
 CMKG 1150
 CMKQ 1490
 CMKR 1400
 CMKW 750
 CMKX 1190
 Trinidad
 CMHT 920

**DOMINICAN
 REPUBLIC**

Ciudad Trujillo
 HIN 1090
 HIX 800
 HIT 1050

EL SALVADOR

San Salvador
 YSS 640

GUATEMALA

Guatemala City
 TGW 1520
 TGX 1400
 TGI 1310
 Quezaltenango
 TGQ 1450

HONDURAS

Tegucigalpa
 HRF 1450

MEXICO

BAJA

CALIFORNIA

Aguascalientes
 XEBI 1000

NORTH AMERICAN B. C. STATIONS BY LOCATIONS

Mexicali	Torreón	JALISCO	SINALOA	VERACRUZ
XEAA 750	XETB 1310	Guadalajara	Mazatlan	Cordoba
XEAO 660	Villa Acuna	XED 1160	XEBL 1220	XEAG 1310
XECL 1100	XEDH 1240	Guzman		Jalapa
Rosarito Beach	XERA 840	XEBA 1080		XEXB 1270
XERB 1090	DISTRITO FEDERAL		SONORA	Minatitlan
Tijuana		MEXICO		XEDW 1150
XEAC 980	Gral. Anaya	Texcoco	Cananea	XEDZ 1340
XEBG 820	XEDA 1220	XEXE 1270	XEPQ 1010	Veracruz
XEC 1150	Mexico City	Toluca	Guaymas	XETF 1220
XELO 730		XECH 1490	XEDR 1490	XEU 1010
XEMO 860			Hermosillo	
			XEBH 930	
CHIHUAHUA			Nogales	YUCATAN
			XEAF 990	
Chihuahua			Obregon	Merida
XEBU 1240			XEAP 1340	XEFC 1340
XEBW 1340				XEME 1240
XEFI 1440			TAMAULIPAS	XEZ 630
XEM 1380				
Juarez			Matamoros	MIQUELON
XEF 1450			XEAM 750	
XEFV 1210			Nuevo Laredo	St. Pierre
XEJ 1020			XEBK 1080	FQN 609
XEP 1160			XEDF 810	
			XEFE 980	NEWFOUNDLAND
Parral			XENT 910	
XEAT 1210			Reynosa	St. John's
			XEAW 960	VOAC 1065
COAHUILA			Tampico	VOCM 1040
			XECA 1230	VOGY 840
Piedras Negras			XEFW 1310	VONF 640
XEMU 580			XES 990	VOWB 700
XEPN 730				
Sabinas				
XEBX 640				
Saltito				
XEAS 1160				
	DURANGO			
	Durango			
	ERP 1150			
	XEE 1210			
	GUANAJUATO			
	Irapuato			
	XERO 1310			
	Leon			
	XEKL 1240			
		PUEBLA		
		Puebla		
		XETI 1210		
		SAN LUIS POTOSI		
		San Luis Potosi		
		XECZ 1370		

BRITISH COLUMBIA

(Continued from page 41)

"Eva R," CYNM
 "Forest Ranger," VCMR
 "Hemlock," VGXP
 "Nesika," CYMP
 "Oliver Clarke," VGJR
 "P. Z. Caverhill," VGXQ

(The writer wishes to acknowledge the helpful criticism of Mr. G. A. Playfair, Forest Service, Campbell River, in connection with the preparation of this article.)

THE IMPROVED RADEX
 WILL HELP YOUR FRIENDS
 TOO!

WILL YOU PLEASE HELP BY
 TELLING THEM ABOUT IT?

—The Editor

The Augmented Call Letter Index

The supplementary call letter index of North American Broadcasting Stations, which started in our September, 1938 issue, has been incorporated with our regular list of broadcasting stations. The supplementary index would require about two years to complete, while the same information can be given in our regular lists in a few months. In the current issue of RADEX, the mailing addresses of all the stations are given. Next month we shall show the names of the licensees and in subsequent issues we shall show the locations of the transmitters, the aerial data and the names of the verification signers.

Walter R. Brown, 54 Main Street,
 Westport, Conn., reads Radex.

NORTH AMERICAN B. C. STATIONS BY CALL LETTERS

*For power and network affiliations, see
the list of stations by frequencies.*

CBA	1050	CHGB	1200	CKCL	580	CMB5	1170	CMHK	1210	CMKX	1190
CBF	910	CHGS	1450	CKCO	1010	CMBX	1080	CMHM	1450	CMKZ	1430
CBJ	1120	CHLN	1420	CKCR	1510	CMBY	1440	CMHO	870	CMCA	660
CBK	540	CHLP	1120	CKCV	1310	CMBZ	940	CMHP	1100	CMCX	1500
CBL	840	CHLT	1210	CKCW	1370	CMC	1530	CMHT	920	CMQ	780
CBM	960	CHML	1010	CKFC	1410	CMCA	1350	CMHW	680	CMW	550
CBO	880	CHNC	610	CKGB	1440	CMCB	1230	CMHX	1480	CMX	880
CBR	1100	CHNS	930	CKIC	1010	CMCD	630	CMJA	860	CMRT	1580
CBY	950	CHRC	580	CKLW	1030	CMCF	810	CMJC	1390	FQM	609
CBY	1420	CHSJ	1120	CKMC	1210	CMCG	1290	CMJE	1230	HIM	1090
CFAC	930	CHWK	780	CKMO	1410	CMCJ	1110	CMJF	930	HIT	1050
CFAR	1370	CJAT	910	CKNX	1200	CMCH	1050	CMJH	1360	HIX ...	800
CFCF	600	CJBR	1030	CKOC	1120	CMCK	970	CMJI	1430	HOK	640
CFCG	930	CJCA	730	CKOV	630	CMCL	730	CMJK	1290	HRN	1450
CFCN	1030	CJCB	1240	CKPC	930	CMCM	850	CMJO	1260	KABC	1420
CFCO	630	CJ CJ	690	CKPR	580	CMCO	1200	CMJP	1420	KABR	1390
CFCT	1450	CJCS	1210	CKRN	1370	CMCP	1050	CMJW	1070	KADA	1200
CFCY	630	CJGX	1430	CKSO	780	CMCQ	1410	CMJX	740	KALB	1210
CFGP	1200	CJIC	1500	CKTB	1200	CMCR	1320	CMK	720	KALE	1300
CFJC	880	CJKL	1310	CKUA	580	CMCU	1010	CMKC	1250	KAND	1310
CFLC	930	CJLS	1310	CKWX	1010	CMCW	1380	CMKD	910	KANS	1210
CFNB	550	CJOC	1210	CKX	1120	CMCX	1470	CMKE	1310	KARK	890
CFOS	1370	CJOR	600	CKY	910	CMCY	590	CMKF	1460	KARM	1310
CFPL	730	CJRC	630	CMAB	1240	CMGE	1370	CMKG	1150	KASA	1210
CFPR	580	CJRM	950	CMBC	690	CMGF	1120	CMKL	950	KAST	1200
CFQC	600	CKAC	730	CMBD	1260	CMGH	790	CMKM	1080	KATE	1420
CFRB	690	CKBI	1210	CMBF	1560	CMHA	1090	CMKO	1280	KAWM	1500
CFRC	1510	CKCA	1420	CMBG	1140	CMHB	1240	CMKQ	1490	KBIX	1500
CFRN	960	CKCD	1010	CMBH	1600	CMHD	1270	CMKR	1400	KBKR	1500
CHAB	1200	CKCH	1210	CMBL	750	CMHI	830	CMKS	710	KBND	1310
CHCK	1310	CKCK	1010	CMBQ	910	CMHJ	1160	CMKW	770	KBPS	1420

KBST 1500	KFDM 560	KFYO 1310	KGNC 1410	KLRA 1390	KOMO 920
KBTM 1200	KFDY 780	KFYR 550	KGNF 1430	KLS 1280	KONO 1370
KCKN 1310	KFEL 920	KGA 1470	KGNO 1340	KLUF 1370	KOOS 1200
KCMC 1420	KFEQ 680	KGB 1330	KGO 790	KLX 880	KORE 1420
KCMO 1450	KFGQ 1370	KGBU 900	KGU 750	KLZ 560	KOTN 1500
KCRC 1360	KFH 1300	KGBX 1230	KGVO 1260	KMA 930	KOVC 1500
KCRJ 1310	KFI 640	KGCA 1270	KGW 620	KMAC 1370	KOVO 1210
KDAL 1500	KFIO 1120	KGCU 1240	KGY 1210	KMBC 950	KOWH 660
KDB 1500	KFIZ 1420	KGCX 1450	KHBC 1400	KMED 1410	KOY 1390
KDFN 1440	KFJB 1200	KGDE 1200	KHBG 1210	KMJ 580	KPAB 1500
KDKA 980	KFJI 1210	KGDM 1100	KHJ 900	KMLB 1200	KPAC 1260
KDLR 1210	KFJM 1410	KGEK 1200	KHQ 590	KMMJ 740	KPDN 1310
KDNT 1420	KFJZ 1370	KGER 1360	KHSL 1260	KMO 1330	KPFT 1210
KDON 1210	KFKA 880	KGEZ 1310	KHUB 1310	KMOX 1090	KPLC 1500
KDRO 1500	KFKU 1220	KGFF 1420	KICA 1370	KMPC 710	KPLT 1500
KDTH 1340	KFNF 890	KGFI 1500	KID 1320	KMTR 570	KPMC 1550
KDYL 1290	KFOR 1210	KGFI 1500	KIDW 1420	KNEL 1500	KPO 680
KECA 1430	KFOX 1250	KGFL 1370	KIEM 1450	KNET 1420	KPOF 880
KEEN 1370	KFPL 1310	KGFW 1310	KIEV 850	KNOW 1500	KPPC 1210
KEHE 780	KFPW 1210	KGFX 630	KIEN 850	KNX 1050	KPQ 1500
KELA 1440	KFPY 890	KGGF 1010	KINY 1430	KOA 830	KPRC 920
KELD 1370	KFQD 780	KGGM 1230	KIRO 710	KOAC 550	KQV 1380
KELO 1200	KFXD 1200	KGHF 1320	KIT 1250	KOAM 790	KQW 1010
KERN 1370	KFRC 610	KGHI 1200	KITE 1530	KOB 1180	KRBA 1310
KEUB 1420	KFRO 1370	KGHL 780	KIUL 1210	KOBH 1370	KRBC 1420
KEX 1180	KFRU 630	KGIR 1340	KIUN 1370	KOCA 1210	KRBM 1420
KFAB 770	KFSD 600	KGIW 1420	KIUP 1370	KOCY 1310	KRE 1370
KFAC 1300	KFSG 1120	KGKB 1500	KJBS 1070	KOH 1380	KRGV 1260
KFAM 1420	KFUO 550	KGKL 1370	KJR 970	KOIL 1260	KRIC 1420
KFAR 610	KFVD 1000	KGKO 570	KLAH 1210	KOIN 940	KRIS 1330
KFBB 1280	KFVS 1210	KGKY 1500	KLBM 1420	KOKO 1370	KRKD 1120
KFBI 1050	KFWB 950	KGLO 1210	KLCN 1290	KOL 1270	KRKO 1370
KFBK 1490	KFXJ 1200	KGLU 1420	KLO 1400	KOMA 1480	KRLC 1390
KFDA 1500	KFXM 1210	KGMB 1320	KLPM 1360	KOME 1310	KRLD 1040

KRLH 1420	KTTC 1190	KVSO R 1210	TGI 1310	WALA 1380	WBOQ 860
KRMC 1370	KTMS 1220	KVWC 1500	TIEM 1400	WALR R 1210	WBOW 1310
KRMD 1310	KTOH 1500	KWAL 1420	TIEP 830	WAML 1310	WBRB 1210
KRNR 1500	KTOK R 1370	KWBG 1420	TIFA 1000	WAPI R 1140	WBRC 930
KRNT 1320	KTRB 740	KWEW 1500	TIGH 725	WAPQ 1420	WBRE 1310
KROC 1310	KTRH 1290	KWFT 620	TIGPH 1225	WARD R 1400	WBRK 1310
KROD 1500	KTRI R 1420	KWG 1200	TILJ 775	WASH 1270	WBRV 1530
KROW 930	KTSA 550	KWJB 1210	TILS 880	WATL R 1370	WBT 1080
KROY 1210	KTSM 1310	KWJJ 1040	TIPG 625	WATR R 1290	WBTH 1370
KRRV 1310	KTSW 1370	KWK 1350	TIRH 950	WAVE 940	WBTM 1370
KRSC 1120	KTUC 1370	KWKH 1100	TIRM 750	WAWZ 1350	WBZ 990
KSAC 580	KTUL 1400	KWLC 1270	TIRS 915	WAYX 1200	WBZA 990
KSAL 1500	KTW 1220	KWLK 780	TIX 650	WAZL 1420	WCAD 1220
KSAM 1500	KUJ 1370	KWNO 1200	TIXB 800	WBAA 890	WCAE 1220
KSAN 1420	KUOA 1260	KWOC 1310	T15CV 575	WBAB 1200	WCAL 760
KSCJ 1330	KUSD 890	KWOS 1310	VAS 685	WBAL 760	WCAM 1280
KSD 550	KUTA R 1500	KWSC 1220	VOAC 1065	WBAL 1060	WCAO 600
KSEI 900	KVAK 1420	KWTO 560	VOCM 1040	WBAP 800	WCAP 1280
KSFO 560	KVAN 880	KWYO 1370	VOGY 840	WBAX 1210	WCAT 1200
KSL 1130	KVCV 1200	KXA 760	VONF 640	WBBC 1400	WCAU 1170
KSLM 1360	KVEC 1200	KXL 1420	VOWR 700	WBBL 1210	WCAV 1200
KSO 1430	KVGB 1370	KXC 1500	WAAB R 1410	WBBM 770	WCAZ 1070
KSOO 1110	KVI R 570	KXOK 1250	WAAF 920	WBBR 1300	WCBA 1440
KSRO 1310	KVNU 1200	KXOX 1210	WAAT 940	WBBZ 1200	WCBD 1080
KSTP 1460	KVOA 1260	KXRO 1310	WABC 860	WBCM 1410	WCBM 1370
KSUB 1310	KVOD 920	KXYZ 1440	WABI R 1200	WBEN 900	WCBT 1420
KSUN 1200	KVOE 1500	KYA 1230	WABY R 1370	WBEO R 1310	WCCO 810
KTAR 620	KVOL 1310	KYCA 1500	WACO 1420	WBHP R 1200	WCFL 970
KTAT 1240	KVOO 1140	KYOS 1040	WADC 1320	WBIG R 1440	WCFB 580
KTBC 1120	KVOR 1270	KYSM 1500	WAGA 1450	WBIL R 1100	WCHV 1420
KTBS 1450	KVOS 1200	KYW 1020	WAGF R 1370	WBLK R 1370	WCHY 1490
KTEM 1370	KVOX 1310	TGQ 1450	WAGM 1420	WBNS 1430	WCLE 610
KTFI 1240	KVRS 1370	TGW 1520	WAIM 1200	WBNX 1350	WCLO 1200
KTHS 1060	KVSF 1310	TGX 1400	WAIR 1250	WBNY 1370	WCLS 1310

WCMI 1310	WEAU 1050	WFOR 1370	WHB 860	WIBX 1200	WJMC 1210
WCNC 1370	WEBC 1290	WFOY 1210	WHBB 1500	WICA 940	WJMS 1420
WCNW 1500	WEBQ 1210	WFTC 1200	WHBC 1200	WICC 600	WJNO 1200
WCOA 1340	WEBR 1310	WFVA 1260	WHBF 1240	WIL 1200	WJR 750
WCOC 880	WEDC 1210	WGAL 1500	WHBI 1250	WILL 580	WJRD 1200
WCOL 1210	WEED 1420	WGAN 640	WHBL 1300	WILM 1420	WJSV 1460
WCOP 1120	WEEI 590	WGAR 1450	WHBQ 1370	WIND 560	WJTN 1210
WCOS 1370	WEEU 830	WGAU 1310	WHBU 1210	WING 1380	WJW 1210
WCOU 1210	WELI 900	WGBB 1210	WHBY 1200	WINN 1210	WJZ 760
WCOV 1210	WELL 1420	WGBF 630	WHDF 1370	WINS 1180	WKAQ 1240
WCPO 1200	WEMP 1310	WGBI 880	WHDH 830	WIOD 610	WKAR 850
WCRW 1210	WENR 870	WGBR 1370	WHDL 1400	WIP 610	WKAT 1500
WCSC 1360	WENY 1200	WGCM 1210	WHEB 740	WIRE 1400	WKBB 150
WCSH 940	WEOA 1370	WGES 1360	WHEC 1430	WIS 560	WKBH 1380
WDAE 1220	WESG 850	WGH 1310	WHFC 1420	WISE 1370	WKBN 570
WDAF 610	WEST 1200	WGIL 1500	WHIO 1260	WISN 1120	WKBO 1200
WDAH 1310	WEVD 1310	WGL 1370	WHIP 1480	WJAC 1370	WKBV 1500
WDAN 1500	WEW 760	WGKV 1500	WHIS 1410	WJAG 1060	WKBW 1480
WDAS 1370	WEXL 1310	WGN 720	WHJB 620	WJAR 890	WKBZ 1500
WDAY 940	WFAA 800	WGNC 1420	WHK 1390	WJAS 1290	WKEU 1500
WDBJ 930	WFAM 1200	WGNV 1220	WHKC 640	WJAX 900	WKIN 1500
WDBO 580	WFAS 1210	WGPC 1420	WHLB 1370	WJBC 1200	WKOK 1210
WDEL 1120	WFBC 1300	WGR 550	WHLS 1370	WJBK 1500	WKRC 550
WDEY 550	WFBG 1310	WGRC 1370	WHMA 1420	WJBL 1200	WKST 1250
WDGY 1180	WFBL 1360	WGRM 1210	WHN 1010	WJBO 1120	WKY 900
WDNC 1500	WFBM 1230	WGST 890	WHO 1000	WJBW 1200	WKZO 590
WDOD 1280	WFBR 1270	WGTM 1310	WHOM 1450	WJBY 1210	WLAC 1470
WDRC 1330	WFDF 1310	WGY 790	WHP 1430	WJDX 1270	WLAK 1310
WDSM 1200	WFEA 1340	WHA 940	WIBA 1280	WJEJ 1210	WLAP 1420
WDSU 1250	WFIL 560	WHAI 1210	WIBC 1050	WJHL 1200	WLAW 680
WDWS 1370	WFLA 620	WHAM 1150	WIBG 970	WJHP 1290	WLB 760
WDZ 1020	WFMD 900	WHAS 820	WIBM 1370	WJIM 1210	WLBC 1310
WEAF 660	WFMJ 1420	WHAT 1310	WIBU 1210	WJJD 1130	WLBJ 1310
WEAN 780	WFNC 1340	WHAZ 1300	WIBW 580	WJLS 1210	WLBL 900

WLBZ 620	WMMN 890	WORK 1320	WRNL 880	WSUN 620	WWNC 570
WLEU 1420	WMOB 1200	WORL 920	WROK 1410	WSVA 550	WWRL 1500
WLLH 1370	WMPC 1200	WOSU 570	WROL 1310	WSVS 1370	WWSW 1500
WLLH 1370	WMPS 1430	WOV 1130	WRR 1280	WSYB 1500	WWVA 1160
WLNH 1310	WMRO 1250	WOW 590	WRTD 1500	WSYR 570	WXYZ 1240
WLOK 1210	WMSD 1420	WOWO 1160	WRUF 830	WSYU 570	W3XDD ...
WLS 870	WMT 600	WPAID 1420	WRVA 1110	WTAD 900	W8XO 700
WLTH 1400	WNAC 1230	WPAR 1420	WSAI 1330	WTAG 580	XEAA 750
WLVA 1200	WNAD 1010	WPAX 1210	WSAJ 1310	WTAL 1310	XEAC 980
WLW 700	WNAX 570	WPAY 1370	WSAL 1200	WTAM 1070	XEAF 990
WMAL 630	WNBC 1380	WPEN 920	WSAN 1440	WTAQ 1330	XEAG 1310
WMAM 570	WNBK 1500	WPG 1100	WSAR 1450	WTAR 780	XEAI 1250
10 670	WNBH 1310	WPIC 780	WSAU 1370	WTAW 1120	XEAL 660
1420	WNBX 1260	WPIV 1210	WSAV 1310	WTAX 1210	XEAM 750
1180	WNBZ 1290	WPRA 1370	WSAY 1210	WTBO 800	XEAO 660
WMBC 1420	WNEL 1290	WPRO 730	WSAZ 1190	WTCN 1250	XEAP 1340
WMBD 1440	WNEW 1250	WPRP 1420	WSB 740	WTEL 1310	XEAS 1160
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WMBG 1350	WNOE 1420	WQAM 560	WSBT 1360	WTIC 1040	XEAW 960
WMBH 1420	WNOX 1010	WQAN 880	WSFA 1410	WTJS 1310	XEB 1030
WMBI 1080	WNYC 810	WQBC 1360	WSGN 1310	WTMA 1210	XEBA 1080
WMBO 1310	WOAI 1190	WQDM 1390	WSIX 1210	WTMC 1500	XEBG 820
WMBR 1370	WOC 1370	WQXR 1550	WSJS 1310	WTMJ 620	XEBH 930
WMBS 1420	WODD 1210	WRAK 1370	WSKB 1200	WTMV 1500	XEBI 1000
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WMFD 1370	WOLS 1200	WRC 950	WSNJ 1210	WTRC 1310	XEBP 1150
WMFF 1310	WOMI 1500	WRDO 1370	WSOC 1210	WTRY 950	XEBS 1340
WMFG 1210	WOMT 1210	WRDW 1500	WSPA 920	WTSP 1370	XEBU 1240
WMFJ 1420	WOCB 1210	WREC 600	WSPD 1340	WVFW 1400	XEBW 1340
WMFO 1370	WOPI 1500	WREN 1220	WSPR 1140	WWAE 1200	XEBX 640
WMFR 1200	WOR 710	WRGA 1500	WSTP 1500	WWJ 920	XEBZ 810
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XECH 1490	XEE 1210	XEG 1230	XEM 1380	XERA 840	XEX 1310
XECL 1100	XEF 1450	XEH 720	XEME 1240	XERB 1090	XEXB 1270
XECZ 1370	XEFB 870	XEI 1370	XEMO 860	XERC 870	XEXD 1340
XED 1160	XEFC 1340	XEJ 1020	XEMU 580	XERH 1430	XEXE 1270
XEDA 1220	XEFE 980	XEJP 1130	XEMX 1280	XES 990	XEXX 1170
XEDF 810	XEFI 1440	XEK 990	XEN 780	XET 690	XEZ 630
XEDH 1340	XEFO 940	XEKL 1240	XENT 910	XETB 1310	YSS 640
XEDP 1080	XEFQ 1010	XEL 1150	XEP 1160	XETH 1210	ZNS 790
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If you like RADEX why not tell your friends? When an article in this magazine strikes you as being unusually good, please tell your friends to get a copy at the newsstand, and read it.

THE RADEX CLUB



The map shown at the head of this column each month shows the states, some solid black, in which we have at least five members enrolled. Just as we go to press, too late to change the map, the states of Wyoming and New Mexico have entered their fifth members. Total membership in The Radex Club is 1207, which includes members in all the states except Nevada, and in eighteen different countries.

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

The Irvington Chapter of The Radex Club enjoyed a picnic at Stokes State Forest, in New Jersey near the Pennsylvania and New York state lines. The members of the chapter, with their friends, numbered twenty-three persons. Highlight of the affair was the baseball game, which was won by Warren Carpenter's group, the score being 18 runs, 20 hits and many errors, against 9 runs, about 20 hits and innumerable errors for their opponents, lead by Mr. Bosset.

The Irvington Chapter meets regularly on the first Monday of each month, at 870 Sanford Avenue, Irvington, N. J. The next meeting will be on October 2. All DXers in the Newark-Irvington area are invited to

attend. We assure all interested persons that the DXing ability of this group is much superior to their ability on the diamond.

The Brooklyn-Metropolitan Chapter of The Radex Club will hold its first Fall meeting on September 29 at 8:30 pm EST. The meeting will be at 6637 Ovington Court, Brooklyn, which is on the corner of 67th St. between 16th and 17th Avenues. All amateurs, DXers and readers of RADEX living in the metropolitan area are invited to attend this meeting, at which a demonstration of a communications receiver will be featured, and refreshments served.

Two new Chapters of the Club are being formed, and all radio fans in the vicinities of Yonkers, N. Y., or Chariton, Iowa, can aid in the formation of these Chapters by writing Louis Zettler, Jr., 33 Summit Avenue, Bronxville, N. Y., or LeRoy B. Swanson, 217 North 15th St., Chariton, Iowa.

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This Hobby Called DXing in Jan.
1939.

When Radio Sets See Spots, and what
to do about, March, 1939.

When Radios Get The Jitters, and
their cure, June 1939.

Television is Here, in June, 1939.

Moon Studies

For a great many years, some DXers have felt that the various phases of the moon had some effect on radio reception, but not until this summer has this theory had any scientific confirmation. Dr. Harlan T. Stetson of the Massachusetts Institute of Technology, from studies of radio signals, has found that the moon's phases do influence broadcasting. His investigations disclose that radio signals are at their peak three days before the full moon.

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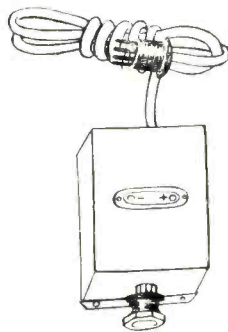
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