# THE NEW WORLD OF RADIO ENTERTAINMENT

In This Issue

HOW TO GET OVERSEAS STATIONS

30 MOST POPULAR FOREIGN STATIONS

INTERESTING FACTS
ABOUT-WORLD-WIDE
STATIONS

Simplified WORLD-WIDE RADIO LOG

55



# How these eminent people keep in touch with the NEW WORLD of EVENTS, POLITICS and MUSIC

"The new Stewart-Warner Magic Dial Radio brings me, from every corner of the earth, not only the cultural advantages of good music and intelligent entertainment — but vitally important information on the trend of international politics and world events. With the new Stewart-Warner All-Wave Radio, you can actually have a 'ringside seat' at any one of the greatest battles in world history — for a price that any modern home can and should afford."

### Says WALTER B. PITKIN

Noted Professor and Author of "Life Begins at Forty" and Other Books



Copyright 1934, Stewart-Warner Corp.



### M. GEORGES BUROSSE

Commandant of the Great French Lines (On board his flagship, "Ile de France")

"As master of a great ocean liner, I have a wide range of interests. I must be up-to-date on current events. So it is natural that I am intensely enthusiastic about the new Stewart-Warner Radio with the Magic Dial. At a simple touch of the hand, my Stewart-Warner brings me the best programs. With it I keep in intimate touch with the world at both ends of my voyage — Europe and America."

# ERNO RAPEÉ

Director of Music Radio City Music Hall — New York

"I have made it an essential part of my daily program to tune in Paris, London, Rome, Madrid, Prague, Vienna and the South American capitals of culture. I listen as often as I can to broadcasts from abroad in order to keep our productions at the Music Hall up-to-the-minute in modernity and authentic in color. A turn of the Magic Dial on the new Stewart-Warner All-Wave Radio, and the music of the world floods my study — affording me priceless entertainment and fresh ideas for my work."

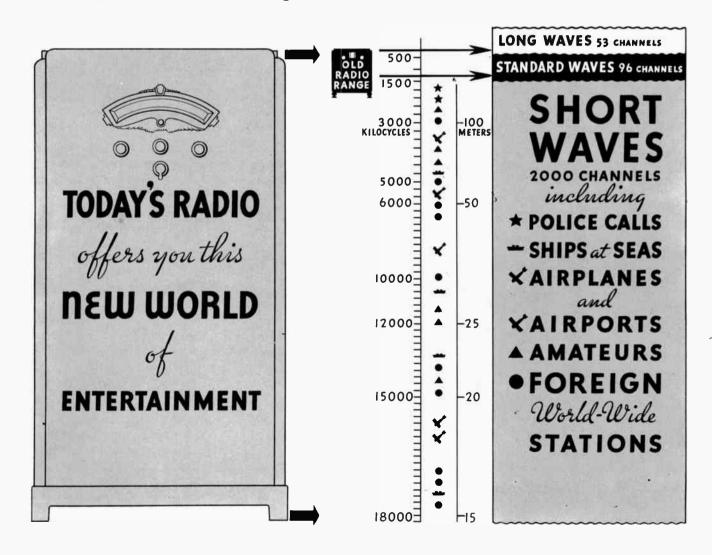
# The Fascinating NEW WORLD of RADIO ENTERTAINMENT

Mystery, Romance, Adventure and Thrills Aplenty to Be Found in New Greater Field Opened Up by Short Wave Radio

Today, radio broadcasting is done over three types of waves, commonly referred to as Long Waves, Standard Waves, and Short Waves. The relative breadth of these wave bands is clearly illustrated in the chart below. The so-called Long Wave Band is restricted to governmental and commercial transmission — almost entirely in code — and is of no interest to the average listener. The Standard Wave Band makes available the broadcasts with which everyone is familiar. Until now, the reception of the average radio set was confined to this band.

But, now, radio developments have opened up a new and greater field of entertainment — the Short Wave Band, heretofore below the range of an ordinary radio set. This band — twenty times larger than the Standard Wave Band — makes available radio's latest, greatest thrill. Short Waves bring you Police Calls from cities throughout the country, conversations between Airplanes and Airports, programs from ships at sea, and the supreme thrill of direct broadcasts from over 200 Foreign Stations located throughout the world.

The radio of yesterday made available broadcasts in the Standard Wave Band only. The radio of today brings you this marvelous entertainment, from far greater distances and with far better tone, PLUS the fascinating NEW WORLD of RADIO ENTER-TAINMENT to be found in the Short Wave Band.



# HOW TO GET OVERSEAS STATIONS . . . . . . .

Ever Hear a Broadcast Direct from Europe? Here's What It Takes . . . and Why It Is Possible

Today, hearing direct broadcasts from Foreign Stations throughout the world is no longer a myth. It's an everyday occurrence — made possible by two things:

First, the perfection of simplified world-wide radio sets making it possible for the average listener to tune-in on the short waves over which Foreign Stations broadcast their programs.

Second, the development of better overseas stations, far more powerful and with new directional aerials especially designed to broadcast entertaining programs to the United States and Canada, and to far flung colonial possessions.

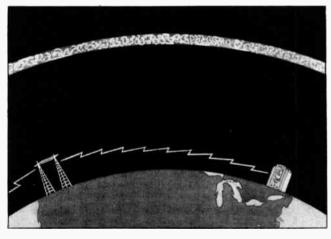
Today, the whole world is at your command for merely the price of a good All-Wave radio set, which receives short wave as well as standard wave broadcasts. Now, practically all leading radio manufacturers offer such sets, so you have plenty to choose from. But, select your Round-the-World Radio carefully. Favor the manufacturer with the most experience. Then, have installed in your home a good short wave aerial, one especially suited to your individual location.

In this magazine you will find a listing of the most frequently heard overseas stations, and the hours each is on the air. Supplement this information with that to be found in the leading short wave radio magazines, because changes in Foreign Station broadcasts may occur frequently. Especially recommended is the magazine published monthly by the International Short Wave Club, of East Liverpool, Ohio. Subscription only \$1.00 per year. Keeping constantly posted on short wave broadcasts will lead to a greater enjoyment of your Round-the-World Radio.

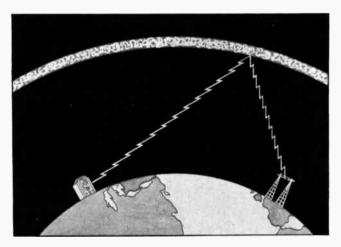


# WHY YOU CAN HEAR FOREIGN STATIONS

Programs from overseas stations are broadcast on short waves, because short waves travel such great distances. The reason for this is clearly shown in the following charts, illustrating the difference between the travel of standard wave broadcasts with which you are familiar, as compared to broadcasts sent out over short waves.



Standard wave broadcasts follow the curvature of the earth and travel direct from the sending station to the radio in your home. The earth continuously absorbs these waves until, after they have reached a certain point, their strength is entirely dissipated.



Short wave broadcasts sweep upward until they strike an atmospheric layer, about 150 miles high, and are then deflected toward the earth. Thus avoiding the earth's weakening influences, short waves retain their initial strength and travel great distances.

1-1-625

# GSD LONDON ENGLAND 11.75 Megacycles - 25.53 Meters HEARD THE WORLD OVER

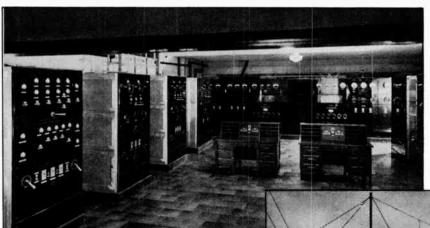
Programs from this popular station, broadcast to the far flung units of Britain's mighty empire, emanate from the studios of the British Broadcasting Corporation, London. The type of music and the variety of program are comparable to that you might hear over an American chain station.

Eight transmitters are used — GSA, GSB, GSC, GSD, GSE, GSF, GSG and GSH — two of them being employed simultaneously on each broadcast to insure the best possible reception. If you cannot receive the program so well on one of the wave lengths, you can generally tune it in on the other.

Broadcasts from this chain of stations are directed daily to the five Empire zones — Australian, Indian, African, West African and Canadian. Listening to these broadcasts, one can capture much of the very atmosphere of London such as, for instance, hearing the striking of Big Ben and the Westminster Chimes as clearly as though he were walking down the Strand or crossing the famous Waterloo Bridge.



Big Ben, the chimes from which close the programs broadcast from England, is one of the historical landmarks of London. Built in 1858, it is still reputed to be the most powerful striking clock in the world. The bell weighs 13½ tons, the hammer 400 pounds. Its hour hand measures 9 feet long, and its minute hand 14 feet.



Above: The Control Room of the stations at Daventry, England, operated by the British Broadcasting Corporation.

At Right: Studios are in London, but the transmitting plant of these stations is located in Daventry. Here, eighteen immense aerials, including five groups of directional aerials, direct the London broadcasts to the vast British Empire.

# PARIS and FRANCE

will probably be among the first objectives of your world tours via radio. Here is pictured the Arc de Triomphe in Paris, the city famed for its festivity and entertainment.



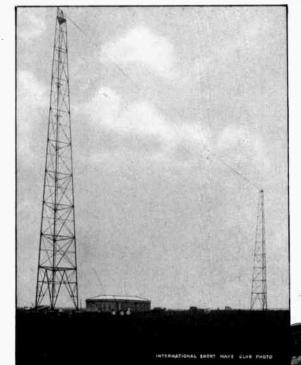
# **FYA**

# PARIS FRANCE

15.24 Megacycles

19.68 Meters

"Hallo, hallo, ici c'est Radio Coloniale," says the announcer and you know you are listening to FYA, the most familiar French station, located in Pontoise. Its daily broadcasts offer a variety of entertaining music, interspersed with news announcements generally given in English.



# 12RO

11.81 Megacycles

ROME ITALY

25.40 Meters

A popular, mellow-voiced signora announces this station as "Radio Roma-Napoli." Most of the programs emanate from the studios in Rome, but some are also picked up from Naples and other cities throughout Italy.

# HVJ VATICAN CITY

15.11 Megacycles

19.84 Meters

When touring Italy via radio you can also tune in the special programs broadcast daily from Station HVJ, located in Vatican City.

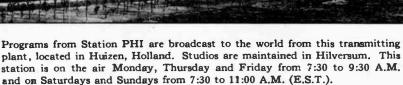
Left: The transmitting station and immense aerials for Station I2RO are located just outside Rome.

Below: With uniforms and equipment of centuries past, the Swiss Guard presents an interesting spectacle, as it passes beneath one of the ancient portals on the Vatican grounds.



Below: Edward Startz, the famous and accomplished announcer, identifies Station PHI for local and world listeners. To make certain his call letters are clearly understood, this silver-tongued linguist repeats announcements in seven different languages — Dutch, Malay, English, French, German and Portuguese.





# DJB BERLIN GERMANY

15.20 Megacycles - - 19.73 Meters

#### "GERMAN ROUND THE WORLD SENDER"

is the name given to this station by its operators the German Broadcasting Company. Opened with a cheery "Hello, America, we hope you have good reception tonight," programs from this station bring to U. S. radio listeners gems of classical music and song. Broadcasting is done from early morning until late at night, two transmitters being used on each program to insure best possible reception. Announcements are made in three languages—first German, then English, then Spanish. Call letters used are DJA, DJB, DJC, DJD. Studios are in Berlin, the transmitting plant being located in Zeesen, Germany.

# EAQ MADRID SPAIN

9.86 Megacycles

30.40 Meters

The daily broadcasts from this station are colorful and entertaining, and your enjoyment of them will be further increased by the fact that announcements are made in English as well as Spanish.

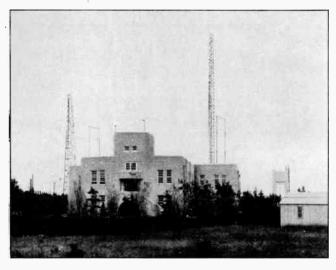
The programs, broadcast from approximately 5 to 7 P.M. (E.S.T.), offer music, literature and news. The Saturday broadcasts, noon to 2 P.M., are intended primarily for Europe, Canary Islands and other Spanish possessions. On stated evenings each week, one hour of the broadcast is devoted to the International Broadcast Club of London, an organization established for creating good will and a closer relationship among the radio listeners of the world.

# PHI HUIZEN HOLLAND

11.73 Megacycles

25.57 Meters

The land of dikes and windmills and famous old cities is an interesting one to visit via radio. PHI is not only an outstanding station in Holland, but the world over. Through this station, Holland keeps in touch with her colonial possessions in Dutch East and West Indies. During the summer months, PHI leaves its regular wave band of 11.73 megacycles and broadcasts over 17.77 megacycles.



Station J1AA, Kemikawa-Cho, Kiba-Chen, Japan

sends listeners a program verification card on the front of which is a picture of the station. Broadcasts from Japan are received daily in the U. S. from approximately 5:00 to 7:00 A.M. (E.S.T.).

Below: The front of the card which YV3BC sends to listeners, upon request, to verify receipt of programs. When writing this station, address YV3BC, Radiodefusora Venezuela, Caracas.





Above: This orchestra is typical of those which play the tantalizing tangos and rhumbas broadcast from South American Stations and heard so regularly in the United States.

# YV3BC Caracas VENEZUELA

6.15 Megacycles

48.78 Meters

This station, located in the capital of the Republic of Venezuela — the most northerly country in South America — is heard consistently by Round-the-World radio listeners in the United States. Its entertaining programs offer a variety of typically South American tangos, rhumbas, songs, etc.

YV3BC broadcasts daily from 10:30 A.M. to 1:00 P.M., and from 4:30 to 9:30 P.M. (E.S.T.). Like several of the other South American stations, announcements are not made in English, but this station can be readily identified by a distinctive chimes signal.



"Ha-Ya-Une-Ah-Bay-Bay," says the station announcer in his best South American English, and you know you are listening to HJ1ABB, Barranquilla, Colombia. And, if you want your reception verified, this station upon request will mail you one of the above verification cards.

# VK2ME SYDNEY AUSTRALIA

9.59 Megacycles

31.28 Meters

"The Voice of Australia" is a welcome visitor each Sunday in many U. S. homes, with its diversified program of music, including an interesting and instructive talk on some section of Australia. The time of day is also broadcast, together with the chimes from the clock located on the Sydney Post Office.

Each program is opened and closed with the famous laughing call of the Kookabura bird. VK2ME broadcasts Sundays only, from 1:00 to 3:00, 5:00 to 9:00 A.M., and from 11:30 A.M. to 1:30 P.M.(E.S.T).

# HBL Geneva SWITZERLAND

9.59 Megacycles

31.27 Meters

This station, together with HBP, is maintained by the League of Nations for a dual purpose. First: to broadcast discussions of the various problems placed before this tribunal and, second, to create good will and a better understanding among the nations of the world.

The program is Saturday — 5:30 to 6:15 P.M. (E.S.T.) — consists of three fifteen minute talks — given first in English, then French, then Spanish. Listeners who wish to communicate with this station will receive prompt, courteous acknowledgment of their letters. Answers to any questions will be cheerfully given. Address: Information Section, League of Nations, Geneva, Switzerland.

# TIME TABLE and LOG of the MOST FREQUENTLY HEARD FOREIGN STATIONS

Since there are over 200 Foreign Stations on the air — regularly or irregularly — the Round-the-World radio listener has plenty of opportunity for exploring among the short waves. Presented here is a carefully selected list of Overseas Stations, chosen on the basis of quality of program broadcast, consistency of reception and volume. These stations offer the greatest entertainment and are the ones most frequently heard. Their broadcasts provide an enjoyable variety of concert and symphony orchestras, typical native songs and music, and a goodly fund of information on current daily topics. See next page for additional Short Wave stations.

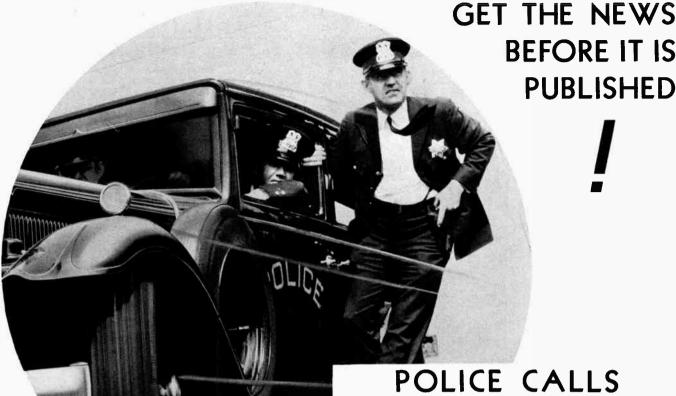
Megacycles	Meters	Call	Location	Time of Broadcasts (Eastern Standard Time)
21.47 17.78 15.14 11.86 11.75 9.58 6.05	13.97 16.86 19.82 25.28 25.53 31.30 49.59	GSH GSG GSF GSE GSD GSC GSA	London, ENGLAND	6 A.M. to 8:30 A.M., daily 6 A.M. to 8:30 A.M. 8:40 A.M. to 12:45 Noon 8:45 A.M. to 12:45 Noon 11:30 P.M. to 1:30 A.M., 1:00-8:00 P.M. 6 P.M. to 8 P.M., daily 12:30 to 1:30 A.M.
15.24 11.88 11.70	19.68 25.20 25.63	FYA FYA FYA	Paris, FRANCE	7 to 10 A.M., Daily 10 A.M. to 5 P.M., Daily 2 to 11 P.M., Daily
15.20 11.76 9.56 6.02	19.73 25.51 31.38 49.83	DJB DJD DJA DJC	Berlin, GERMANY	1 to 2 A.M. — 6:30 to 10 A.M., Daily 1 to 4:30 P.M. — 7 to 11 P.M., Daily 6:30 to 10 A.M. — 5 to 8 P.M., Daily 1 to 4:30 P.M. — 9 to 11 P.M., Daily
11.81	25.40	I2RO	Rome, ITALY	11:30 to 12:30 A.M. — 1.15 to 6 P.M., Daily
15.11 5.96	19.84 50.26	HVJ HVJ	Vatican City, ITALY	5:00 to 5:30 A.M., Daily 5 to 6 A.M. Sunday — 2:00 to 2:15 P.M., Daily
17.77 11.73	16.88 25.57	PHI PHI	Huizen, HOLLAND	7:30 to 11:00 A.M., Daily 7:30 to 10:00 A.M., Irreg.
9.86	30.40	EAQ	Madrid, SPAIN	5 to 7 P.M., Daily
9.60	31.25	CTIAA	Lisbon, PORTUGAL	Tues., Fri., 5 to 7 P.M.
9.59 7.79	31.27 38.47	HBL HBP	Geneva, SWITZERLAND	5:30 to 6:15 P.M., Saturday 5:30 to 6:15 P.M., Saturday
9.59	31.28	VK2ME	Sydney, AUSTRALIA	Sunday 1 to 3 A.M. — 5 to 9 A.M. 11:30 A.M. to 1:30 P.M.
9.58 9.51	31.31 31.55	VK3LR VK3ME	Melbourne, AUSTRALIA	3 to 7:30 A.M., Daily 5 to 7 A.M. Wed., Sat.
7.88	38.07	J1AA	Kemikawa — Cho Kiba-Chen — JAPAN	5 to 7 A.M., Daily
6.66	45.00	HC2RL	Guayaquil, ECUADOR	6 to 8 P.M., Sunday
6.62	45.31	PRADO	Rio Bomba, ECUADOR	9 to 11 P.M., Thursday
6.44	46.50	НЈ1АВВ	Barranquilla, COLOMBIA	7 to 10 P.M., Daily
6.25	48.00	н <sub>Ј</sub> завғ	Bogota, COLOMBIA	7 to 11 P.M., Daily
6.15 6.11	48.78 49.08	YV3BC YV1BC	Caracas, VENEZUELA	10:30 A.M. to 1 P.M. — 4:30 to 9:30 P.M., Week day 5 to 10 P.M., Daily
6.06	49.50	ніх	Santo Domingo, REPUBLIC	9 to 11 A.M. — 3 to 5 P.M. — 9 to 10 P.M., Irreg.
6.02	49.80	XEBT	Mexico City, MEXICO	6 to 12 P.M., Irreg.
6.00	50.00	coc	Havana, CUBA	4 to 6 P.M., Daily
6.00	50.00	RV59	Moscow, U.S.S.R	2 to 6 P.M., Daily
5.93	50.59	HJ4ABE	Medellin, COLOMBIA	6 to 11 P.M., Daily
4.27	70.20	RV15	Khabarovsh, SIBERIA	3 to 9 A.M., Daily
4.11	73.00	нсјв	Quito, ECUADOR	7 to 10 P.M., Daily

# A Partial LOG OF OTHER FOREIGN STATIONS

Aegacycles	Meters	Call	LOCATION	Megacycles	Meters	Call	LOCATION
21.08	14.23	PSA	Rio de Janerio, Brazil Calls WKK, WLK daytime	6.13	48.92	LCL	Jeloy, Norway Relays Oslo 11 A.M. to 6 P.M.
21.03	14.27	LSN	Buenos Aires, Argentine 8 A.M. to 4 P.M. WKK and WLK	6.12	49.00		Johannesburg, Africa 4 to 6 A.M., 8 to 10:30 A.M.,
20.02	14.99	рно	Nauen, Germany Calls PPU and LSM mornings	6.12	49.00	PK1WK	11 A.M. to 3:40 P.M. Bandoeng, Java, 5 to 6:30 A.M.
19.35	15.50	FTM	St. Assise, France Calls LSG 10:00 A.M.—2:00 P.M.	6.11	49.08	VE9HX	Halifax, N. S. 8:30 to 11:30 A.M., 5 to 10 P.M.
18.04	16.63	GAA	Rugby, England Calls Argentine 10:00 A.M. to 2:00 P.M.	6.11	49.08	VUC	Calcutta, India, 9:30 A.M. to noon, Saturdays 11:45 P.M. to 3 A.M.
17.75	16.92	HSP	Bangkok, Siam Calla Germany 4:30 A.M. to 6:30 A.M.	6.10	49.20	HJ1ABD	Cartegena, Colombia 11:30 A.M. to 12:30 P.M., 7 to 9 P.M
16.04	18.71	KKP	Kauhuku, Hawaii Calls KWU 1:00 to 7:00 P.M.	6.09	49.29	VE9GW	Bowmanville, Ontario Mon., Tues., Wed., 1 to 10 P.M.
15.81	19.02	LSL	Buenos Aires, Argentine Calls GAA 8 A.M. to 1 and FTM 1 to 2 P.M.				Thurs., 2 to 11 P.M. Fri., Sat., 6 A.M. to 11 P.M. Sun., 10 A.M. to 7 P.M.
14.53	20.65	LSN	Buenos Aires, Argentine Phones New York, daytimes	6.09	49.22	VE9BJ	St. John's, N.B., Canada Near 5 and 11 P.M.
14.46	20.75	GBW	Rugby, England Phones MNC 6 A.M. to 6 P.M.	6.07	49.39		Maracaibo, Venezuela Irregularly 5:30 to 11 P.M.
11.72	25.60	CJRX	Winnipeg, Canada 6 to 10:30 P.M., Sun. 9 to 10 P.M.	6.07	49.39	OXY	Shamelback, Denmark 2 to 6:30 P.M., irregular
10.67	28.12	CEC	Santiago, Chili Calls HJY, evenings, irregularly	6.07	49.39	VE9CS	Vancouver, B. C. Fri. 12:30 to 1:45 A.M. Sun. Noon to Midnight
10.35	28.98	LSX	Buenos Aires, Argentine Thurs. and Fri. 8 P.M., Sat. 10 P.M.	6.06	49.50	ніх	Santo Domingo, R.D. Tues., Fri., 8:10 to 10:10 P.M.
9.60	31.25	XETE	Mexico City 8 to 10 P.M., irregular				Sun., 8:40 to 10:40 A.M. and 2:40 t 4:40 P.M.
9.37	32.02	НЈ5АВН	Palmira, Colombia 11 to 12 A.M. and 7:30 to 9:30 P.M.	6.06	49.50	VO7LO	Nairobi, Kenva Colony 11 A.M. to 2 P.M. daily
9.28 9.12	32.33	GCB CP5	Rugby, England Calls CGA and SUV afternoons La Paz, Bolivia	6.05	49.60	нјзаві	Bogota, Colombia 8.to 10 P.M., irregular
8.05	37.33	CNR	7:30 to 10:30 P.M., irregularly Rabat, Morocco, Africa	6.02	49.83	CQN	Macao, China Mon., Fri., 7 to 9 A.M.
7.52	39.89	KKH	Sunday 2:30 to 5 P.M. Kabhuku, Hawaii	6.01	49.96	VE9DN	Drummondville, Canada Sat., after 10:30 P.M.
7.40	40.55	НЈЗАВО	Calls KWO California evenings Bogota, Colombia 7:30 to 11 P.M.	6.01	49.96	coc	Havana, Cuba, Daily 4 to 6 P.M., Also irregular 8 to 10 P.M.
7.22	41.55	HKE	Bogota, Colombia Mon. 6 to 7 P.M.	5.99	50.08	YV4BSG	Caracas, Venezuela 4:30 to 10:30 P.M.
7.00	42.86	HJ1ABE	Tues., Fri., 8 to 9 P.M. Cartagena, Colombia	5.97	50.25	НЈ2АВС	Cucuta, Colombia 11 A.M. to Noon, 6 to 9 P.M.
6.67	44.96	HC2RL	Mon. 10, Wed. 8 P.M. Guayaquil, Ecuador	5.95	50.42	НЈ4АВЕ	Medellin, Colombia, Mon., 7 to 11 P.M. Tues., Thurs:, Sat., 6:15 to 8 P.M. Wed., Fri., 7:30 to 10:30 P.M.
			Sun. 5:45 to 8, Tues. 9:15 to 11:45 P.M.	5.95	50.42	TGX	Guatemala City, Sun., 2 to 5 A.M. And also near Midnight
6,61	45.35	REN	Moscow, U.S.S.R., 1 to 6 P.M.	5.88	51.49	HJ2ABA	Tunja, Colombia
6.48 6.45	46.30 46.51	HJ5ABD HJ1ABB	Cali, Colombia, 7 to 10 P.M.  Barranquilla, Colombia				1 to 2 and 7:30 to 10 P.M.
6.32	47.50	HIZ	7:30 to 10 P.M. daily Santo Domingo, R.D.	5.77	52.00	XDA and XAM	Mexico, Evenings near 7 P.M.
J.J.	1,.50		Daily 4:40 to 5:40; Sat. 11 to 12:40 P.M.	5.70	52.65	нск	Quito, Ecuador Generally 8 to 11 P.M.
6.23	47.80	HI1A	Dominican Republic	5.60	53.57	нјзавс	Cali, Colombia, 8 to 10 P.M.
			12:10 to 1:40 and 7:40 to 9:40 P.M. daily. Sun. 1:40 to 4:40 P.M. and 7:40 to 9:40 P.M.	4.32	69.44	GDB- G6RX	Rugby, England
6.13	48.92	ZGE	Kuala Lumpur, Malaya States		70.55	DVIII	Evenings 7 to 10 P.M.
			Sun., Tues., Fri. 6:40 to 8:40 A.M.	4.25	70.65	RV15	Khabarovsk, U.S.S.R., 1 to 9 A.M.

# LEADING U.S. SHORT-WAVE RADIO STATIONS

Megacycles	Meters	Call	LOCATION	Megacycles	Meters	Call	LOCATION
21.54	13.92	W8XK	Pittsburgh, Pa., 6 A.M. to 1 P.M., Relays for KDKA	9.59	31.27	W3XAU	Philadelphia, Pa. 11 A.M. to 5 P.M., irregular
21.41	14.01	wĸĸ	Lawrenceville, N. J., 8 A.M. till 4 P.M. Phones PSA, Brazil	9.57 9.53	31.36 31.49	WIXAZ W2XAF	Boston, Mass., 6 A.M. to Midnight Schenectady, N. Y.
17.78	16.87	W3XAL	Bound Brook, N. J., 9 A.M. to 3 P.M.	3.55	31.13	**********	6:45 P.M. to 10 P.M.
15.35	19.54	KWU	Dixon, Calif. 2 till 7 P.M. Phones to Hawaii	9.49	31.60	WEF	Rocky Point, N. Y.  Heard in the evening
15.34	19.56	W2XAD	Schenectady, N. Y. Mon., Wed., Fri. 1:30 to 2:30 P.M.	6.43	46.69	W3XAL	Bound Brook, N. J. Relays Chain Programs
15.27	19.64	W2XE	Sun. 1 to 3 P.M. Wayne, N. J., 10 A.M. to 12 Noon	6.14	48.86	W8XK	Pittsburgh, Pa., 3:30 P.M. to 1 A.M. Relays for KDKA
13.27	19.04	WAKE	Relays for WABC	6.12	49.00	W2XE	Wayne, N. J.
15.21	19.72	W8XK	Pittsburgh, Pa., 9 A.M. to 3:15 P.M. Relays for KDKA		.5.00		5 P.M. to 10 P.M. Relays for WABC
13.90	21.58	WQP	Rocky Point, N. Y. Calls RNE at intervals A.M.	6.10	49.18	W3XAL	Bound Brook, N. J., 4 P.M. to Midnight, Mon., Wed., Sat.
11.97	25.11	KKQ	Bolinas, Calif. Heard irregularly evenings	6.10	49.18	W9XF	Chicago, Ill. 3:30 to 7 P.M., 8:30 to 1 A.M.
11.87	25.27	w8XK	Pittsburgh, Pa. 3:30 to 9 P.M., Relays KDKA	6.08	49.34	W9XAA	1 P.M. to about 6 P.M. Sun.
11.83	25.36	W2XE	Wayne, N. J. Relays WABC 2 to 4 P.M.	6.06 6.06	49.50 49.50	W3XAU W8XAL	Philadelphia, Pa., 7 P.M. to Midnight Cincinnati, Ohio, 6:30 A.M. to 7 P.M 10 P.M. to 2 A.M.
11.79	25.42	WIXAL	Boston, Mass. Relays NBC Programs	6.04	49.67	WIXAL	Boston, Mass. Daily 6 to 7 P.M.



With a short wave radio, you can listen-in on the incessant alarms broadcast to cruising squad cars - you can thrill to the pulse quickening dramas of city life in which radio plays such an important part.

Police stations come on the air, broadcast their message, and immediately go off the air. When a Police Call is tuned in, you can listen to several others by simply keeping your dial at the same location, because there are a number of police stations on each wavelength.

120,48 Meters 2,490 Kilos Clarksburg, W. Va. WPDZ Fort Wayne, Ind. WPFI Hammond, Ind. WPGO Huntington, N. Y. WPDT Kokomo, Ind. KGZU Lincoln, Nebr. Long Beach, Calif. Mineola, N. Y. KGHI WPGS Santa Ana, Calif. KGHX San Diego, Calif. Seattle, Wash. KG2D KGHD Snoqualmie, Wash. KGHE WPGN South Bend, Ind.

121.26 Meters 2,474 Kilos Knoxville, Tenn. WPFO KGHG Las Vegas, Nev. WPDP Philadelphia, Pa. KGHM Reno, Nev. WPFQ Swarthmore, Pa. WRDO Toledo, Ohio

121.65 Meters 2,466 Kilos Bay City, Mich. Cedar Rapids, Iowa WPGA KGOZ WPGK Cranston, R. I. KGPN Davenport, Iowa KGZG Des Moines, Iowa WPDF Flint, Mich. WPEC Memphis, Tenn KGPI Omaha, Nebr. WPFV Pawtucket, R. I. WPGB Port Huron, Mich. KGPK Sioux City, Iowa WPEM Woonsocket, R. I.

122.05 Meters 2,458 Kilos Akron, Ohio Charlotte, N. C. Cleveland, Ohio Lubbock, Texas WPDO WPDV WRBH KGZW

WPGD Rockford, Ill. WPDG Youngstown, Ohio Wichita Falls, Texas KGZI

122.40 Meters 2,450 Kilos WPEF Bronx, N. Y. WPEE Brooklyn, N. Y. KGZF Chanute, Kans. Coffeyville, Kans. Honolulu, Hawaii KGZP KGPQ WPDK Milwaukee, Wis. WPEG New York, N. Y. KGPH Oklahoma City, Okla. **KGPO** Tulsa, Okla.

Wichita, Kans

KGPZ

122.85 Meters 2,442 Kilos WPGI. Binghamton, N. Y. KGPX Denver, Colo. WPEB Grand Rapids, Mich. WMDZ Indianapolis, Ind. WPFG Jacksonville, Fla. Lakeland, Fla. WPDI. Lansing, Mich. WPDE Louisville, Ky. WPFZ Miami, Fla.

122.85 Meters 2,442 Kilos WPFC Muskegon, Mich. WPFX Palm Beach, Fla. KGPP Portland, Ore. WPFE Reading, Pa. WPDH Richmond, Ind. WPES Saginaw, Mich. KCZR Salem, Ore.

123.45 Metera 2,430 Kilos
WPDI Columbus, Ohio
WPFK
WPFK
KGPB Hackensack, N. J.
Minneapolis, Minn.
WPEK
KGZJ Phoenix, Ariz.

WPGI Portsmouth, Ohio WPDS St. Paul, Minn. WPGE Shreveport, La.

123.80 Meters 2,422 Kilos WMJ Buffalo, N. Y. KGPE Kansas City, Mo. WPFU Portland, Maine KGZC Topeka, Kans. KGPG Vallejo, Calif. WPDW Washington, D. C.

124.37 Meters 2,414 Kilos

Aberdeen, Wash. Albany, N. Y. KGZV WPGH KGZX Albuquerque, N. M. WPDY Atlanta, Ga. KGPS Bakersfield, Calif. WPFH Baltimore, Md. WPFI Columbus, Ga. WCK WPDX Detroit, Mich. KGZM El Paso, Texas Fresno, Calif. WRDR Grosse Point, Mich. WMO Highland Park, Mich. WPGM Lagrange, Ga. KGZO Santa Barbara, Calif. Santa Fe, N. M. Seattle, Wash. KGPF KGPA Spokane, Wash. Tacoma, Wash. Tulare, Calif. KGHS KGZN

Utica, N. Y. WPGJ 124.63 Meters 2,406 Kilos KGBZ Little Rock, Ark. KGPW Salt Lake City, Utah

WPDA

175.23 Meters 1.712 Kilos WPED Arlington, Mass. KGPJ Beaumont, Texas WPDB-C-D Chicago, Ill.

Dallas, Texas WPEI E. Providence, R. I. KGPL Los Angeles, Calif. New Bedford, Mass WPFA Newton, Mass KGIX Pasadena, Calif. Pittsburgh, Pa. WPGF Providence, R. I. KGZY San Bernardino, Calif. WPEH Sommerville, Mass. KGZQ Waco, Texas

175.85 Meters 1.706 Kilos WKDU Cincinnati, Ohio WPET Lexington, Ky. **KGPC** St. Louis, Mo.

178.36 Meters 1,682 Kilos KGHO Des Moines, Iowa WPGG Findlay, Ohio

179.21 Meters 1.674 Kilos KGHK Palo Alto, Calif. KGPD San Francisco, Calif. KGPM San Jose, Calif. KGZT Santa Cruz, Calif.

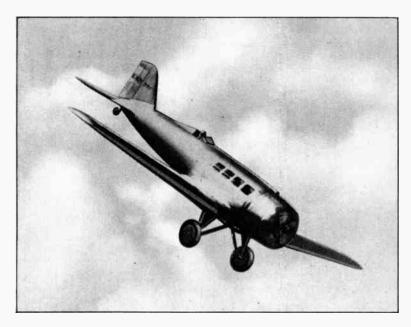
180.07 Meters 1,666 Kilos East Lansing, Mich. Framingham, Mass. Northampton, Mass. Bridgewater, Mass. WRDS WMP WPEL

180.88 Meters KSW Berke WPGC S. Sc KGZE San 1,658 Kilos Berkeley, Calif. S. Schenectady, N. Y. San Antonio, Texas

184.05 Meters 1,630 Kilos Boston, Mass. Detroit, Mich. San Francisco, Seattle, Wash. WEY WKDT KIDA

# Short Waves Carry the Conversations between

# AIRPLANES and AIRPORTS



Skilled pilots, winging their way across the continent in mail and passenger planes, keep in constant touch with their ground crews via short wave radio.

With a Round-the-World radio set, you can eavesdrop on these epics of the air — hear warnings sent aloft of blinding fogs and hazardous storms — then, on the same wave length, listen to the voices of the pilots themselves, punctuated by the steady drone of the mighty motors.

Today, there are 138 Airplane Stations in the United States. They are assigned to no specific wave length sector — are interspersed throughout the entire short wave band — but are most concentrated between 3000-3500 kilocycles, and 52-59 meters (5.0-5.5 megacycles).

# Short Waves Also Bring Broadcasts from SHIPS at SEA...

These stations relay telephone conversations from shore to ships, and vice versa. Also, they are frequently rented to broadcast special programs direct from the big ocean liners at sea. Ship Stations broadcast on four bands:

16.85 — 18.27 Meters (17.80 — 16.42 Megacycles) 22.50 — 24.30 Meters (13.34 — 12.35 Megacycles) 33.93 — 36.58 Meters (8.84 — 8.20 Megacycles) 67.87 — 73.17 Meters (4.42 — 4.10 Megacycles)

Phone calls from shore to ships are most frequently broadcast from Station WOO, Ocean Gate, N. J., on 17.12 megacycles (17.52 meters), and 9.53 megacycles (35.02 meters). This station phones ships, England and South America.

#### Calls of Prominent Passenger Liners:

GLRZ	Aquitania	DAAC	Еигора
GMJQ	Belganland	DXJC	Hamburg
GBZW	Berengeria	FNSM	Ile de France
DDAS	Bremen	GFWV	Majestic
GFJX	Caledonia	VQJM	Monarch of Bermuda
DOBX	Columbus	DHRL	New York
DDDT	Deutchland	GLSQ	Olympic
GMBJ	Empress of Britain	VQJP	Queen of Bermuda

#### AMATEUR PHONE STATIONS

You can listen to the "Radio Engineers of Tomorrow" chat through thousands of miles of space with friends they never see. These stations are licensed by the Federal Radio Commission the same as any commercial broadcast station. But, these so-called "Amateur" stations are not assigned to any definite wave lengths, they can broadcast anywhere within the "amateur bands" established by governmental regulations. You can listen to Amateur Phone conversations at approximately 21 meters (14 megacycles), 75 meters (4.0 megacycles), 135-160 meters (1750-2000 kilocycles). The amateur band between 40-42 meters is reserved for broadcasts in code.



# UNITED STATES BROADCAST STATIONS

Call Kilocycles Location

```
KABC
       1420 San Antonio, Tex.
KALE
       1300 Portland, Ore.
KARK
        890 Little Rock, Ar.
KASA
        1210 Elk City, Okla.
KBPS
       1420 Portland, Ore.
KBTM 1200 Jonesboro, Ark.
KCMC
       1420 Texarkana, Ark.
KCRC
       1370 Enid, Okla.
KCRJ
       1310 Jerome, Ariz.
KDB
        1500 Santa Barbara, Cal.
KDFN
        1440 Casper, Wyo.
         980 Pittsburgh, Pa.
KDKA
KDLR 1210 Devils Lake, N. D.
KDYL
        1290 Salt Lake City, U.
KECA
        1430 Los Angeles, Cal.
KELW
         780 Burbank, Cal.
KERN. 1370 Bakersfield, Cal.
KEX
        1180 Portland, Ore.
KFAB
         770 Lincoln, Nebr.
KFAC
        1300 Los Angeles, Cal.
        1280 Great Falls, Mont.
KFBB
KFBI
        1050 Abilene, Kan.
KFBK
        1310 Sacramento, Cal.
        1370 Everett, Wash.
KFBI.
KFDM
         560 Beaumont, Tex.
KFDY
         780 Brookings, S. D.
KFEL
         920 Denver, Colo.
KFEO
         680 St. Joseph, Mo.
KFGQ
        1310 Boone, Iowa
KFH
        1300 Wichita, Kan.
KFI
         640 Los Angeles, Cal.
KFIO
        1120 Spokane, Wash.
KFIZ
        1420 Fond du Lac, Wis.
KFJB
        1200 Marshalltown, Iowa
KFJI
        1210 Klamath Falls, Ore.
KFJM
        1370 Grand Forks, N. D.
KF JR
        1300 Portland, Ore.
KFJZ
        1370 Fort Worth, Tex.
         880 Greeley, Colo.
KFKA
KFKU
        1220 Lawrence, Kan.
         890 Shenandoah, Iowa
KFNF
KFOR
        1210 Lincoln, Nebr.
KFOX
        1250 Long Beach, Cal.
KFPL
        1310 Dublin, Tex.
KFPM
        1310 Greenville, Tex.
KFPW
        1210 Fort Smith, Ark.
KFPY
         890 Spokane, Wash.
KFQD
         600 Anchorage, Alaska
KFRC
         610 San Francisco, Cal.
KFRU
         630 Columbia, Mo.
KFSD
         600 San Diego, Cal.
KFSG
        1120 Los Angeles, Cal.
KFUO
         550 St. Louis, Mo.
KFVD
        1000 Los Angeles, Cal.
KFVS
        1210 Cape Girardeau, Mo.
KFWB
         950 Hollywood, Cal.
KFXD
        1200 Nampa, Idaho
KFXF
         920 Denver, Colo.
KFXJ
        1200 Grand Junction, Colo.
KFXM
        1210 San Bernardino, Cal.
KFXR
        1310 Oklahoma, Okla.
KFYO
        1310 Lubbock, Tex.
KFYR
         550 Bismarck, N. D.
KGA
        1470 Spokane, Wash.
KGAR
        1370 Tucson, Ariz.
KGB
        1330 San Diego, Cal.
```

1

KCRU

KGBX

KGBZ

900 Ketchikan, Alaska

1310 Springfield, Mo.

930 York, Nebr.

Call Kilocycles Location KGCA 1270 Decorah, Iowa KGCR 1210 Watertown, S. D. 1240 Manda, N. D. KGCU KGCX 1310 Wolf Point, Mont. KGDE 1200 Fergus Falls, Minn. KGDM 1100 Stockton, Cal. KGDY 1340 Huron, S. D. KGEK 1200 Yuma, Colo. 1360 Long Beach, Cal. KGER 1310 Kalispell, Mont. KGEZ 1420 Shawnee, Okla. KGFF KGFG 1370 Ol lahoma, Okla.

KGFF 1420 Shawnee, Okla.
KGFG 1370 Ol lahoma, Okla.
KGFI 1500 Corpus Christi, Tex
KGFJ 1200 Los Angeles, Cal.
KGFK 1500 Moorehead, Minn.
KGFL 1370 Rosewell, N. M.
KGFW 1310 Kearney, Nebr.
KGFX 630 Pierre, S. D.
KGGC 1420 San Francisco, Cal.
KGGFF 1010 Coffeyville, Kan.

KGGM 1230 Albuquerque, N. M.
KGHF 1320 Pueblo, Colo.
KGHI 1200 Little Rock, Ark.
KGHL 950 Billings, Mont.
KGIR 1340 Butte, Mont.
KGIW 1420 Alamosa, Colo.

KGIX 1420 Las Vegas, Nev. KGKB 1500 Tyler, Tex. KGKL 1370 San Angelo, Tex. KGKO 570 Wichita Falls, Tex. KGKY 1500 Scottsbluff. Nebr.

KGMB 1320 Honolulu, Hawaii KGNF 1430 North Platte, Nebr. KGNO 1340 Dodge City, Kan. KGO 790 San Francisco, Cal. KGRS 1410 Amarillo, Tex. KGU 750 Honolulu, Hawaii

KGVO 1200 Missoula, Mont.
KGW 620 Portland, Ore.
KGY 1210 Olympia, Wash.
KHJ 900 Los Angeles, Cal.

KHQ 590 Spokane, Wash.
KICA 1370 Clovis, N. M.
KICK 1420 Carter Lake, Iowa
KID 1320 Idaho Falls, Idaho

KIDO 1320 Roans Pans, Idaho KIDO 1350 Boise, Idaho KIDW 1420 Lamar, Colo. KIEM 1210 Eureka, Cal.

KIEV 850 Glendale, Cal.
KIFH 1310 Juneau, Alaska
KIFS 1518 Fort Klamath, Ore.
KIT 1310 Yakima, Wash.

KJBS 1070 San Francisco, Cal.
KJR 970 Seattle, Wash.
KLCN 1290 Blytheville, Ark.
KLO 1400 Ogden, Utah
KLPM 1240 Minot, N. D.

KLRA 1390 Little Rock, Ark.
KLS 1440 Oakland, Cal.
KLUF 1370 Galveston, Tex.
KLX 880 Oakland, Cal.

KLZ 560 Denver, Colo.
KMA 930 Shenandoah, Iowa
KMAC 1370 San Antonio, Tex.
KMBC 950 Kansas City, Mo.

KMED 1310 Medford, Ore.

KMJ 580 Fresno, Cal.

KMLB 1200 Monroe, La.

KMMJ 740 Clay Center, Nebr.

Call Kilocycles Location

KMO 1330 Tacoma, Wash.

KMOX 1090 St. Louis, Mo.

KMPC 710 Beverly Hills, Cal.

KMTR 570 Hollywood, Cal.

KNOW 1500 Austin, Tex.

KNX 1050 Hollywood, Cal.

KNOW 1500 Austin, Tex.

KNX 1050 Hollywood, Cal.

KOA 830 Denver, Colo.

KOAC 550 Corvallis, Ore.

KOB 1180 Albuquerque, N. M.

KOH 1380 Reno, Nev.

KOIL 1260 Council Bluffs, Ia.
KOIN 940 Portland, Ore.
KOL 1270 Seattle, Wash.
KOMA 1480 Oklahoma City,

Okla.

KOMO 920 Seattle, Wash.
KONO 1370 San Antonio, Tex.
KOOS 1370 Marshfield, Ore.
KORE 1420 Eugene, Ore.
KOTN 1500 Pine Bluff, Ark.

KOY 1390 Phoenix, Ariz.

KPCB 650 Seattle, Wash.

KPJM 1500 Prescott, Ariz.

KPO 680 San Francisco, Cal.

KPOF 880 Denver, Colo.

KPPC 1210 Pasadena, Cal.
KPQ 1500 Wenatchee, Wash.
KPRC 920 Houston, Tex.
KQV 1380 Pittsburgh, Pa.
KQW 1010 San Jose, Cal.
KRE 1370 Berkeley, Cal.

KREG 1500 Santa Ana, Cal. KRGV 1260 Harlingen, Tex. KRKD 1120 Los Angeles, Cal. KRLD 1040 Dallas, Tex.

KRMD 1310 Shreveport, La.
KROW 930 Oakland, Cal.
KRSC 1120 Seattle, Wash.
KSAC 580 Manhattan, Kan.
KSCJ 1330 Sioux City, Iowa

KSD 550 St. Louis, Mo. KSEI 890 Pocatello, Idaho KSL 1130 Salt Lake City, U. KSO 1320 Des Moines, Iowa

KSOO 1110 Sioux Falls, S. D.
1110 Sioux Falls, S. D.
1460 St. Paul, Minn.
KSUN 1200 Lowell, Ariz.
KTAB 560 San Francisco, Cal.

KTAR 620 Phoenix, Ariz.
KTAT 1240 Fort Worth, Tex.
KTBS. 1450 Shreveport, La.

KTFI 1240 West Twin Falls, Ida.
KTHS 1060 Hot Springs National
Park, Ark.

780 Los Angeles, Cal.

 KTRB
 740
 Modesto, Cal.

 KTRH
 630
 Houston, Tex.

 KTSA
 1290
 San Antonio, Tex.

 KTSM
 1310
 El Paso, Tex.

 KTUL
 1400
 Tulsa, Okla.

 KTW
 1220
 Seattle, Wash.

 KUJ
 1370
 Walla Walla, Wash.

KUJ 1370 Walla Walla, Wasl KUMA 1420 Yuma, Ariz. KUOA 1260 Fayetteville, Ark. KUSD 890 Vermillion, S. D. KVI 570 Tacoma, Wash.

KVI 570 Tacoma, Wash. KVL 1370 Seattle, Wash. KVOA 1260 Tucson, Ariz. KVOO 1140 Tulsa, Okla. Call Kilocycles Location

KVOR 1270 Colorado Springs, Colo.

KVOS 1200 Bellingham, Wash. KWCR 1430 Cedar Rapids, Ia. KWEA 1210 Shreveport, La.

KWFV 1210 Shreveport, La. KWFV 1210 Hilo, Hawaii KWG 1200 Stockton, Cal.

KWJJ 1040 Portland, Ore. KWK 1350 St. Louis, Mo.

KWKC 1370 Kansas City, Mo. KWKH 850 Shreveport, La. KWLC 1270 Decorah, Iowa

KWSC 1220 Pullman, Wash. KWTO 560 Springfield, Mo.

KWWG 1260 Brownsville, Tex. KWYO 1370 Sheridan, Wyo. KXA 760 Seattle, Wash.

KXL 1420 Portland, Ore. KXO 1500 El Centro, Cal.

KXRO 1310 Aberdeen, Wash. KXYZ 1440 Houston, Tex.

KYA 1230 San Francisco, Cal. KYW 1020 Chicago, Ill.

WAAB 1410 Boston, Mass.
WAAF 920 Chicago, Ill.
WAAT 940 Jersey City, N. J.

WAAW 660 Omaha, Nebr. WABC 860 New York, N. Y.

WABI 1200 Bangor, Me. WACO 1420 Waco, Tex.

WADC 1320 Akron, Ohio
WAGM 1420 Presque Isle, Me.

WAIU 640 Columbus, Ohio WALA 1410 Mobile, Ala.

WALR 1210 Zanesville, Ohio WAMC 1420 Anniston, Ala.

WAML 1310 Laurel, Miss.
WAPI 1140 Birmingham, Ala.

WARD 1400 Brooklyn, N. Y.
WASH 1270 Grand Rapids, Mich.

WATR 1190 Waterbury, Conn.
WAVE 940 Louisville, Ky.

WAVE 940 Louisville, Ky.
WAWZ 1350 Zarephath, N. J.
WAZL 1420 Hazelton, Pa.

WBAA 1400 Lafayette, Ind. WBAL 1060 Baltimore, Md.

WBAP 800 Fort Worth, Tex. WBAX 1210 Wilkes-Barre, Pa.

WBBC 1400 Brooklyn, N. Y. WBBL 1210 Richmond, Va. WBBM 770 Chicago, Ill.

WBBM 770 Chicago, Ill. WBBR 1300 Brooklyn, N. Y. WBBZ 1200 Ponca City, Okla.

WBCM 1410 Bay City, Mich.
WBEN 900 Buffalo, N. Y.

WBEO 1310 Marquette, Mich. WBHS 1200 Huntsville, Ala.

WBIG 1440 Greensboro, N. C. WBNO 1200 New Orleans, La.

WBNS 1430 Columbus, Ohio WBNX 1350 New York, N. Y.

WBOQ 860 New York, N. Y. WBOW 1310 Terre Haute, Ind.

WBRC 930 Birmingham, Ala. WBRE 1310 Wilkes-Barre, Pa.

WBRE 1310 Wilkes-Barre, Pa.
WBSO 920 Babson Park, Mass.
WBT 1080 Charlotte, N. C.

WBT 1080 Charlotte, N. C. WBTM 1370 Danville, Va.

(Continued on next page)

**KTM** 

# UNITED STATES BROADCAST STATIONS

Call Kilocycles Location

(Continued from preceding page)

WBZ 990 Boston, Mass. WRZA 990 Springfield, Mass. WCAC 600 Storrs, Conn. WCAD 1220 Canton, N. Y. 1220 Pittsburgh, Pa. WCAE WCAL 1250 Northfield, Minn. WCAM 1280 Camden, N. J.

WCAO 600 Baltimore, Md. WCAP 1280 Asbury Park, N. J. WCAT 1200 Rapid City, S. D. WCAU 1170 Philadelphia, Pa.

WCAX 1200 Burlington, Vt. WCAZ 1070 Carthage, Ill.

WCBA 1440 Allentown, Pa. WCBD 1080 Zion, Ill. WCBM 1370 Baltimore, Md.

WCBS 1210 Springfield, Ill. wcco 810 Minneapolis, Minn. WCFL 970 Chicago, Ill.

**WCHS** 580 Charleston, W. Va. WCKY 1490 Covington, Ky. WCLO 1200 Janesville, Wis. WCLS 1310 Joliet, Ill.

WCNW 1500 Brooklyn, N. Y. WCOA 1340 Pensacola, Fla.

WCOC 880 Meridan, Miss. WCRW 1210 Chicago, Ill. WCSC 1360 Charleston, S. C.

WCSH 940 Portland, Me. WDAE 1220 Tampa, Fla.

WDAF 610 Kansas City, Mo. WDAG 1410 Amarillo, Tex.

WDAH 1310 El Paso, Tex. WDAS 1370 Philadelphia, Pa.

WDAY 940 Fargo, N. D. WDBJ 930 Roar.oke, Va.

**WDBO** 580 Orlando, Fla. WDEL. 1120 Wilmington, Del.

WDEV 550 Waterbury, Vt. WDGY 1180 Minneapolis, Minn.

WDNC 1500 Durham, N. C. WDOD 1280 Chattanooga, Tenn.

WDRC 1330 Hartford, Conn. WDSU 1250 New Orleans, La. WDZ 1070 Tuscola, Ill.

WEAF 660 New York, N. Y. WEAN 780 Providence, R. I.

WEBC 1290 Superior, Wis. 1210 Harrisburg, Ill. WEBQ WEBR

1310 Buffalo, N. Y. WEDC 1210 Chicago, Ill. WEED 1420 Greenville, N. C.

WEEI 590 Boston, Mass. 830 Reading, Pa. WEEU

WEHC 1350 Charlottesville, Va. WEHS 1420 Cicero, Ill.

WELL 1420 Battle Creek, Mich.

WENC 1420 Albany, Ga. WENR 870 Chicago, Ill.

680 Elmira, N. Y. WEVD 1300 New York, N. Y.

WEW 760 St. Louis, Mo. WEXL 1310 Royal Oak, Mich.

800 Dallas, Tex.

WFAB 1300 New York, N. Y. WFAM 1200 South Bend, Ind.

WFAS 1210 White Plains, N. Y. WFBC 1200 Greenville, S. C.

Call Kilocycles Location

WFBE 1200 Cincinnati, Ohio 1310 Altoona, Pa. WFBL 1360 Syracuse, N. Y. WFBM 1230 Indianapolis, Ind. WFBR 1270 Baltimore, Md. 1310 Flint, Mich.

WFEA 1430 Manchester, N. H. 560 Philadelphia, Pa. WFI.A 620 Clearwater, Fla.

WGAL. 1500 Lancaster, Pa. WGAR 1450 Cleveland, Ohio WGBB 1210 Freeport, N. Y.

WGBF 630 Evansville, Ind. WGBI 880 Scranton, Pa. WGCM 1210 Mississippi City,

Miss. WGCP 1250 Newark, N. J. WGES 1360 Chicago, Ill.

WGH 1310 Newport News, Va. W.GL 1370 Fort Wayne, Ind. WGLC 1370 Hudson Falls, N. Y.

WGN 720 Chicago, Ill. WGNY 1210 Chester Twp., N. Y. WGR 550 Buffalo, N. Y.

WGST 890 Atlanta, Ga. 790 Schenectady, N. Y. WGY WHA 940 Madison, Wis.

WHAD 1120 Milwaukee, Wis. WHAM 1150 Rochester, N. Y. WHAS 820 Louisville, Ky.

WHAT 1310 Philadelphia, Pa. WHAZ 1300 Troy, N. Y. WHR 860 Kansas City, Mo.

WHBC 1200 Canton, Ohio WHBD 1370 Mt. Orab, Ohio WHBF 1210 Rock Island, Ill.

WHBL 1410 Sheboygan, Wis. WHBQ 1370 Memphis, Tenn.

WHBU 1210 Anderson, Ind. WHBY 1200 Green Bay, Wis. WHDF 1370 Calumet, Mich.

WHDH 830 Boston, Mass. WHDL 1420 Tupper Lake, N. Y. WHEB 740 Portsmouth, N. H.

WHEC 1430 Rochester, N. Y. WHEF 1500 Kosciusko, Miss.

WHET 1370 Dothan, Ala. WHFC 1420 Cicero, Ill.

WHIS 1410 Bluefield, W. Va. WHK 1390 Cleveland, Ohio WHN 1010 New York, N. Y.

WHO 1000 Des Moines, Ia. WHOM 1450 Jersey City, N. J.

WHP 1430 Harrisburg, Pa. WIRA 1280 Madison, Wis. WIBG

970 Glenside, Pa. WIBM 1370 Jackson, Mich. WIBU 1210 Poynette, Wis.

**WIBW** 580 Topeka, Kan. WIBX 1200 Utica, N. Y.

WICC 600 Bridgeport, Conn. WIL 1200 St. Louis, Mo. 890 Urbana, Ill. WILL 1420 Wilmington, Del. WILM

WIND 560 Gary, Ind. WINS 1180 New York, N. Y. WIOD 1300 Miami, Fla.

WIP 610 Philadelphia, Pa. WIS 1010 Columbia, S. C.

Call Kilocycles Location

WISN 1120 Milwaukee, Wis. WIAC 1310 Johnstown, Pa. WJAG 1060 Norfolk, Nebr. WJAR 890 Providence, R. I.

WJAS 1290 Pittsburgh, Pa. WJAX 900 Jacksonville, Fla.

WJAY 610 Cleveland, Ohio WIBC 1200 La Salle, Ill. WJBI 1210 Red Bank, N. J.

1500 Detroit, Mich. WIBK WJBL 1200 Decatur, Ill.

w ibo 1420 Baton Rouge, La. WJBW 1200 New Orleans, La. WJBY 1210 Gadsden, Ala.

WJDX 1270 Jackson, Miss. WJEJ 1210 Hagerstown, Md. **WJEM** 990 Tupelo, Miss.

WIIM 1210 Lansing, Mich. WJJD 1130 Chicago, Ill. WJMS 1420 Ironwood, Mich. WJR 750 Detroit, Mich.

1460 Washington, D. C. WISV WJTL 1370 Atlanta, Ga. wjw 1210 Akron, Ohio

WJZ760 New York, N. Y. WKAQ 1240 San Juan, Puerto Rico WKAR 1040 East Lansing, Mich.

WKBB 1500 East Dubuque, Ill. WKBF 1400 Indianapolis, Ind. WKBH 1380 La Crosse, Wis. WKBI 1420 Cicero, Ill.

WKBN 570 Youngstown, Ohio WKBO 1200 Harrisburg, Pa. WKBV 1500 Richmond, Ind. WKBW 1480 Buffalo, N. Y.

WKBZ 1500 Ludington, Mich. WKEU 1500 Lagrange, Ga. WKFI 1210 Greenwood, Miss.

WKJC 1200 Lancaster, Pa. WKOK 1210 Sunbury, Pa. WKRC 550 Cincinnati, Ohio

WKY 900 Oklahoma, Okla. WKZO 590 Kalamazoo, Mich. WLAC 1470 Nashville, Tenn. WLAP 1420 Lexington, Kv.

WLB 1250 Minneapolis, Minn. WLBC. 1310 Muncie, Ind.

WLBF 1420 Kansas City, Kan. WLBL 900 Stevens Point, Wis. WI.RW 1260 Erie, Pa.

WLBZ 620 Bangor, Me. WLEU 1420 Erie, Pa. WLEY 1370 Lexington, Mass. WIJIT

560 Philadelphia, Pa. WLNH 1310 Laconia, N. H. WLS 870 Chicago, Ill.

WLTH 1400 Brooklyn, N. Y. 1370 Lynchburg, Va. WLVA WLW 700 Cincinnati, Ohio

WLWL 1100 New York, N. Y. 630 Washington, D. C. WMAL WMAQ 670 Chicago, Ill.

WMAS 1420 Springfield, Mass. WMAZ 1180 Macon, Ga.

WMBC 1420 Detroit, Mich. WMBD 1440 Peoria, Ill.

WMBF 1300 Miami Beach, Fla. WMBG 1210 Richmond, Va.

WMBH 1420 Joplin, Mo.

Call Kilocycles Location

WMBI 1080 Chicago, Ill.

WMBO 1310 Auburn, N. Y. WMBQ 1500 Brooklyn N. Y.

WMBR 1370 Jacksonville, Fla. WMC. 780 Memphis, Tenn.

WMCA 570 New York, N. Y.

WMEX 1500 Chelsea, Mass.

WMMN 890 Fairmont, W. Va. WMPC 1200 Lapeer, Mich.

WMT 600 Waterloo, Iowa

WNAC 1230 Boston, Mass. WNAD 1010 Norman, Okla.

WNAX 570 Yankton, S. D.

WNBF 1500 Binghamton, N. Y. WNBH 1310 New Bedford, Mass.

WNBO 1200 Silverhaven, Pa. WNBR 1430 Memphis, Tenn.

WNBW 1200 Carbondale, Pa. WNBX 1260 Springfield, Vt.

WNBZ 1290 Saranac Lake, N. Y. WNEL 1290 San Juan, Puerto Rico

WNEW 1250 Newark, N. J. WNOX 560 Knoxville, Tenn.

WNRA 1420 Muscle Shoals City, Ala.

810 New York, N. Y. WNYC WOAI 1190 San Antonio, Tex.

WOCL 1210 Jamestown, N. Y. WOI 640 Ames, Iowa

WOKO 1430 Albany, N. Y. WOL. 1310 Washington, D. C. WOMT 1210 Manitowoc, Wis.

WOOD 1270 Grand Rapids, Mich. WOPI 1500 Bristol, Tenn.

woo 1300 Kansas City, Mo. WOR 710 Newark, N. J.

WORC 1280 Worcester, Mass. WORK

1000 York, Pa. WOS 630 Jefferson City, Mo.

WOSII 570 Columbus, Ohio WOV 1130 New York, N. Y.

wow 590 Omaha, Nebr. WOWO 1160 Fort Wayne, Ind.

WPAD 1420 Paducah, Ky. 1500 Philadelphia, Pa.

WPFB 1370 Hattiesburg, Miss. WPG 1100 Atlantic City, N. J. WPHR 1200 Petersburg, Va.

**WPRO** 1210 Providence, R. I. WPTF 680 Raleigh, N. C.

WQAM 560 Miami, Fla. WQAN 880 Scranton, Pa.

WQBC 1360 Vicksburg, Miss. WQDM 1370 St. Albans, Vt.

WQDX 1210 Thomasville, Ga. WRAK 1370 Williamsport, Pa.

WRAW 1310 Reading, Pa. WRAX 1020 Philadelphia, Pa.

1200 Columbus, Ga. WRBL WRBX 1410 Roanoke, Va.

WRC 950 Washington, D. C. WRDO 1370 Augusta, Me.

WRDW 1500 Augusta, Ga. WREC

600 Memphis, Tenn. WREN 1220 Lawrence, Kan.

WRGA 1500 Rome, Ga. WRHM 1250 Minneapolis, Minn. WRJN 1370 Racine, Wis.

(Continued on next page)

# UNITED STATES BROADCAST STATIONS

#### Call Kilocycles Location

#### (Continued from preceding page)

WROK 1410 Rockford, Ill. WROL 1310 Knoxville, Tenn. WRR 1280 Dallas, Tex. WRUF 830 Gainesville, Fla. WRVA 1110 Richmond, Va. WSAI 1330 Cincinnati, Ohio WSAJ 1310 Grove City, Pa. WSAN 1440 Allentown, Pa. 1450 Fall River, Mass. WSAR W\$AZ 1190 Huntington, W. Va. WSB 740 Atlanta, Ga.

1210 Chicago, Ill.

1230 South Bend, Ind.

WSBC

WSBT

CFTP

CHAB

XEA

#### Call Kilocycles Location

WSEN 1210 Columbus, Ohio WSFA 1410 Montgomery, Ala. WSGN 1310 Birmingham, Ala. WSIX 1210 Springfield, Tenn. wsjs 1310 Winston-Salem, N.C. WSM 650 Nashville, Tenn. WSMB 1320 New Orleans, La. WSMK 1380 Dayton, Ohio WSOC 1210 Charlotte, N. C. WSPA 1420 Spartanburg, S. C. WSPD 1340 Toledo, Ohio WSUI 880 Iowa City, Iowa WSUN 620 St. Petersburg, Fla. WSVS 1370 Buffalo, N. Y.

#### Call Kilocycles Location

WSYB 1500 Rutland, Vt.
WSYR 570 Syracuse, N. Y.
WTAD 1440 Quincy, Ill.
WTAG 580 Worcester, Mass.
WTAM 1070 Cleveland, Ohio
WTAQ 1330 Eau Claire, Wis.
WTAR 780 Norfolk, Va.
WTAW 1120 College St'n, Tex.
WTAX 1210 Springfield, Ill.
WTBO 1420 Cumberland, Md.
WTEL 1310 Philadelphia, Pa.
WTFI 1450 Athens. Ga.

#### Call Kilocycles Location

1310 Jackson, Tenn. WTJS WTMI 620 Milwaukee, Wis. WTNJ 1280 Trenton, N. J. WTOC 1260 Savannah, Ga. WTRC 1310 Elkhart, Ind. WVFW 1400 Brooklyn, N. Y. WWAE 1200 Hammond, Ind. wwj 920 Detroit, Mich. WWL 850 New Orleans, La. WWNC 570 Asheville, N. C. WWRL 1500 Woodside, N. Y. WWSW 1500 Pittsburgh, Pa. WWVA 1160 Wheeling, W. Va. WXYZ 1240 Detroit, Mich.

# CANADIAN BROADCAST STATIONS

WTIC

#### Call Kilocycles Location

**CFAC** 930 Calgary, Alta. **CFBO** 1210 St. John, N. B. **CFCF** 600 Montreal, Que. **CFCH** 930 North Bay, Ont. **CFCN** 1030 Calgary, Alta. **CFCO** 600 Chatham, Ont. **CFCT** 1450 Victoria, B. C. **CFCY** 630 Charlottetown, P. E. I. 1310 Kamloops, B. C. **CFJC** CFLC 930 Prescott, Ont. **CFNB** 1030 Fredericton, N. B. CFPL 730 London, Ont. **CFOC** 1230 Saskatoon, Sask. CFRB 690 Toronto, Ont. 1510 Kingston, Ont.

1260 Edmonton, Alta.

1200 Moose Jaw, Sask.

#### Call Kilocycles Location

СНСК	1310	Charlottetown,
		P. E. I.
CHGS	1120	Summerside, P. E. I.
CHLP	1120	Montreal, Que.
CHML	1010	Hamilton, Ont.
CHNC	1210	New Carlisle, Que.
CHNS	1050	Halifax, N. S.
CHPR	1370	St. John, N. B.
CHRC	580	Quebec, Que.
CHSJ	1370	St. John, N. B.
CHWC	1010	Regina, Sask.
CHWK	780	Chilliwack, B. C.
CJAT	1200	Trail, B. C.
CJCA	730	Edmonton, Alta.
CJCB	880	Sydney, N. S.
CJCJ	690	Calgary, Alta.
CJCS	780	Sudbury, Ont.
CJGX	630	Yorkton, Sask.

#### Call Kilocycles Location

1040 Hartford, Conn.

_		
CJKL	1310	Kirkland Lk., Ont.
CJLS	1310	Yarmouth, N. S.
CJOC	840	Lethbridge, Alta.
CJOR	600	Vancouver, B. C.
CJRC	1390	Winnipeg, Man.
CJRM	540	Moose Jaw, Sask.
CKAC	730	Montreal, Que.
CKBI	1210	Prince Albert, Sask.
CKCD	1010	Vancouver, B. C.
CKCH	1210	Hull, Que.
CKCK	1010	Regina, Sask.
CKCL	580	Toronto, Ont.
CKCO	1010	Ottawa, Ont.
CKCR	1510	Waterloo, Ont.
CKCV	1310	Quebec, Que.
CKFC	1410	Vancouver, B. C.

1420 Timmins, Ont.

1010 Wolfville, N. S.

#### Call Kilocycles Location

CKLW 840 Windsor, Ont. CKMC 1210 Cobalt, Ont. CKMO 1410 Vancouver, B. C. 1030 Toronto, Ont. CKNC 1120 Hamilton, Ont. CKOC CKOV 1210 Kelowna, B. C. CKPC 930 Preston, Ont. 930 Fort William, Ont. CKPR 1200 St. Catherines, Ont. CKTB 580 Edmonton, Alta. CKUA CKWX 1010 Vancouver, B. C. CKX 1450 Brandon, Man. CKY 780 Winnipeg, Man. CRCM 910 Montreal, Que. CRCO 880 Ottawa, Ont. CRCS 1500 Chicoutimi, Que. CRCT 960 Toronto, Ont.

# MEXICAN BROADCAST STATIONS

CKGB

CKIC

#### Call Kilocycles Location

1200 Guadalajara, Jal.

1210 Nuevo Laredo, Tams. 1295 San Luis Potosi, XEAC S. L. P. 980 Tijuana, L. C. XEAE XEAF 1080 Nogales, Son. XEAI 1420 Mexico City, D. F. **XEAL** 660 Mexico City, D. F. XEAO 660 Mexicali, L. C. **XEAW** 950 Reynosa, Tams. XEAZ 1420 Leon, Guan. 1010 Mexico City, D. F. XEB XEBC 1280 Agua Caliente, L. C. XEC 1200 Toluca, D. F. **XECW** 1310 Mexico City, D. F. XED 1160 Guadalajara, Jal. XEE 1210 Durango, Dgo.

#### Call Kilocycles Location

1180 Mexico City, D. F. XEFA 1420 Monterrey, N. L. XEFC 1310 Merida, Yuc. XEFE 1370 Laredo, Tams. XEEG 1040 Mexico City, D. F. 720 Chihuahua, Chih. XEFI 1210 Monterrey, N. L. **XEFO** 940 Mexico City, D. F. XEFV 1210 Juarez, Chih. XEFW 1310 Tampico, Tams. XEFZ 1370 Mexico City, D. F. XEH 1130 Monterrey, N. L. 1310 Morelia, Mch. XEI XEJ 1020 Juarez, Chih. XEK 1120 Mexico City, D. F. XEL 1370 Saltillo, Coah. XEMA 1200 Tampico, Tams.

#### Call Kilocycles Location

XEMC 750 Merida, Yuc. 860 Tijuana, L. C. **XEMO** XEMZ 1210 Tijuana, L. C. 710 Mexico City, D. F. XEN XENT 1340 Nuevo Laredo, Tams. XEOK 920 Tijuana, B. C. **XEOX** 640 Saltillo, Coah. XEP 970 Mexico City, D. F. 590 Piedras Negras, **XEPN** Coah. XEPR 740 Mexico City, D. F. XES 970 Tampico, Tams. 690 Monterrey, N. L. XET XETB 1310 Torreon, Coah. 1210 Puebla, Pue. XETH

890 Pachuca, Hdgo.

820 Mexico City, D. F.

#### Call Kilocycles Location

1100 Vancouver, B. C.

CRCV

XET2 850 Mexico City XEU 1200 Vera Cruz, Ver. 890 Mexico City, D. F. XEW XEWZ 1200 Mexico City, D. F. 1310 Mexico City, D. F. XEX XEY 1200 Merida, Yuc. **XEYZ** 780 Mexico City, D. F. XEZ 630 Merida, Yuc. XEZZ 1370 San Luis Potosi XFA 1310 Agua Caliente XFB 1290 Jalapa, Ver. XFC 810 Agua Caliente, Ags. XFD 1240 Orizaba, Ver. XFG 688.3 Mexico City, D. F. 940 Mexico City, D. F. XFO 610 Mexico City, D. F. XFX

**XETU** 

**XETW** 

# Only

# STEWART-WARNER RADIO



The Round-the-World Radio of Proved Performance

An exclusive Stewart-Warner feature, The "Magic Dial" really gives you 4 radios in one. By a simple adjustment you click into place the dial you want to use—one for standard American broadcasts; one for amateur, airplane and police calls; one for ships at sea and South America; one for all other foreign stations. "Geared tuning" makes shortwave selection as easy as local!

There is a Stewart-Warner Round-the-World Radio to fit any purse and to enhance the beauty of any decorative scheme—from smart, compact table models to consoles which are beautiful pieces of furniture as well as a source of endless entertainment, culture, useful information. Compare Stewart-Warner quality and prices with all others—and judge for yourself.



## Gives You the Amazing



# Easiest to Tune World Wide Dial on the Market. Really 4 Radios in One

• Why gamble when buying a Round-the-World Radio? Stewart-Warner, the pioneers in simplified all-wave radio, offer you in today's "Magic Dial," these benefits of their extra years of experience: (1) Simplicity of clear, accurate tuning—even for the most distant foreign stations—never before possible at any price! (2) Remarkably low prices. Stewart-Warner has had time to bring all-wave radio to simplified, economical efficiency.

### Foreign Reception Guaranteed

Why limit your pleasure to only American programs, when now you can have entertainment from all over the world—so easily and for so little? But don't expect "Magic Dial" results from anything but the new Stewart-Warner Radio. And don't let the new low prices prejudice you. The best foreign reception possible in your locality is positively guaranteed by Stewart-Warner.