

THE DECEMBER 1935

# RADIO IN DEX

The All-wave DX Log of the World



25<sup>c</sup>

30c in  
Canada

The Long Wave and the Broadcast  
Stations of the World  
with Owners' Addresses and the  
Time on the Air

No. 94

# For Christmas, Give

## **The Perfect Phone Adapter**

Permits the use of head phones when others in the house are asleep or ill. Wonderful for the hard of hearing. Speaker may be silenced or not. No tools to install. Cannot injure set. Brings in those distant stations you can't quite hear on the speaker.

Price \$3.95 postpaid.

## **The Lady Esther Eliminator and Distant Volume Control**

Used in connection with the Perfect Phone Adapter, enables you to silence the "blurbs" and increase and decrease volume from your easy chair. (Ten-foot extension cord and connector 50c.)

Price \$2.00 postpaid.

## **The Beginner's Story of Radio**

A 96-page book bound in beautiful leatherette which tells the fascinating story of radio in simple words. Profusely illustrated. This book may be a turning-point in your boy's life.

Price 50c postpaid.

## **Trimm Featherweight Phones**

The very finest instruments made. Developed especially for hard-of-hearing, airplane pilots, short wave work, etc. Exceptionally sensitive. Weigh but four ounces. 24,000 ohms impedance.

Price \$8.05 postpaid.

Other models as low as \$2.75.

## **RADEX Time Converter**

A radio map of the world with a time converting dial which instantly converts into your own time, the time of any place in the world. Absolutely essential for tuning foreign stations. No adding nor subtracting—the dial does it all.

Price 25c postpaid.

## **Large World Globe**

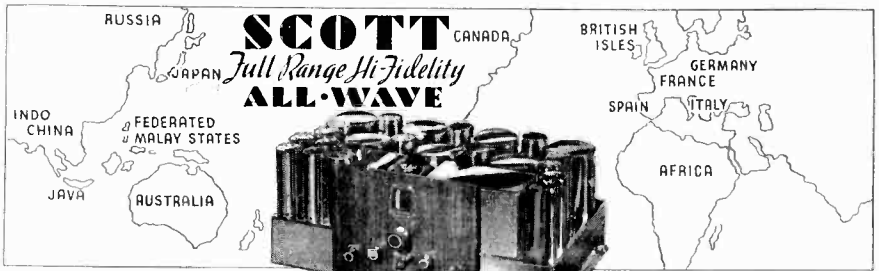
The largest and most beautiful Globe we have ever seen for the money. Almost 37 inches in circumference. Maps in brilliant colors completely up-to-date. It should be in every home.

Price \$3.95 postpaid.

(In Canada and west of the Rockies, 50c more)

*If you live in Ohio, add 3% for State Sales Tax*

# **The Radex Press, Inc., Comcaut, O.**



# SCOTT PERFORMANCE *Begins* WHERE THE OTHERS STOP

● Here's a target for distance sharpshooters all over the world to level guns at! Here is **proof** that the **SCOTT ALLWAVE** is the finest receiver in the world!

From F. L. Stitzinger in Pennsylvania comes this **verified** list of 34 foreign countries, 98 foreign stations, 1651 foreign programs—not merely logged, but **verified!** All within a short six months period! No other receiver in the world has equalled this **verified** world record performance during any six consecutive months tuning!—Argentina, Australia, Belgian Congo, Bermuda, Bolivia, Brazil, Belgium, Canada, Columbia, Costa Rica, Cuba, Denmark, Ecuador, England, Federated Malay States, France, Germany, Hawaii, Holland, Indo-China, Italy, Japan, Java, Kenya Colony, Mexico, Morocco, Peru, Portugal, Republic Dominica, Russia, Spain, Uruguay, Venezuela! Every station, every program, **verified!**

**More Important PERFORMANCE Features Than Any Other Receiver**—including True Bass Control—True Separate Treble Control—23 Tubes, New Highest Efficiency Type—Oversize Construction throughout—Includes many advanced laboratory developments, which cannot be incorporated in production type radio receivers.

**Compare It in Your Home**  
These celebrities demand the world's finest quality—all are **SCOTT** owners—Toscanini—Guy Lombardo—Eddie Cantor—Walter Winchell—Fred Husung—Rudy Vallee—Al Jolson—and hundreds more. The **SCOTT** is the choice of Presidents and Princes all over the world.

Unqualifiedly guaranteed to bring you more foreign stations with stronger volume, with more crystal clear tone, with less noise than any other receiver in the world—in your own home! 30 days' trial. You can own the **SCOTT** for no more than you would pay for an ordinary receiver.

**The Secret of Superiority**  
How is such an unequalled guarantee possible? The **SCOTT** is strictly custom-built—to highest precision standards known. Sent to you direct from laboratories fully adjusted and proved, with nationwide installation service.

Read coupon below—**NOW**—and decide *right now*—without delay—to send for the most thrilling story of world-covering performance in the history of radio!

Visit our new permanent salon at 630 Fifth Ave., Rockefeller Center, New York City.

**SEND THIS COUPON TODAY—DETAILS FREE**

**E. H. SCOTT RADIO LABORATORIES, Inc.**  
4424 Ravenswood Ave.  
Dept. 15W5, Chicago, Ill.

Send "91 PROOF" of the SCOTT'S superior tone and DX performance, and particulars of 30-day home trial anywhere in U. S. A.

Name .....

Street .....

City ..... State .....



E. H. SCOTT, designer and custom-builder of world's finest radio receivers since 1924

**MR. SCOTT'S PERSONAL MESSAGE TO YOU**

Says Mr. Scott: "Mr. Stitzinger's list is only one of thousands which **SCOTT** owners constantly send in to our laboratories. **SCOTT** owners receive and have **verified** 3 times as many foreign stations as are received on sets of other radio manufacturers. **SCOTT ALLWAVE** receivers are giving distinguished service in more than 146 countries throughout the world. . . . We have over 600 expert Installation and Service representatives over entire United States alone—to give you instant service should you ever need it. This, even though every **SCOTT** receiver carries five year guarantee of perfect service."

**FACTS ARE YOUR GUARANTEE**

Here is reception not even approached by any other receiver anywhere on earth—regardless

of price! This is not "sales talk." These are vital facts—of deep interest to every DX enthusiast.

To enjoy the really great world music, to hear the tremendous events which are moulding history—still to be in tomorrow's headlines—you must have high Class "A" speaker power.

**SCOTT 23 TUBE ALLWAVE** has 35 Watts Strictly Class "A" Power, 50 watts Class "AB" power—6 times undistorted output of average receiver—for vast distances.

**Bullet-Direct Variable Selectivity 2 to 16 KC**—3 times better than selectivity of average receiver—to pierce through powerful local stations and bring in weak distant stations thousands of miles distant.

**6 Microvolt Sensitivity**—Twice that of any other radio receiver.

**25 to 16,000 Cycle Hi-Fidelity**—probably twice the tonal range of any other high fidelity receiver—a fact which we can demonstrate in any comparative test.

**Dial Calibration**—accurate on all tuning bands for the first time in radio history.

**Foreign Station Locator**—tunes in the short wave stations instantly.

**Builder of WORLD'S FINEST CUSTOM-BUILT RADIO RECEIVERS Since 1924**

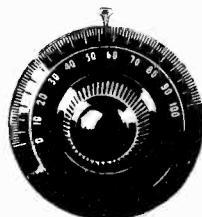
December 1, 1935



# RADIO INDEX

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TWELFTH YEAR

NUMBER 34

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# The December DX CALENDAR

Special programs arranged by the stations for the benefit of distant listeners and the frequency check periods required by the FCC. All times are in Eastern Standard in order that they may be arranged chronologically.

## Sunday Mornings

### December 1

2:00-3:00	CP4	1040 10000	La Paz
2:00-3:00	CJLS	1310 100	Yarmouth
2:00-4:00	CHAB	1200 100	Moose Jaw
	WMMN	890 500	Falmont
3:00-3:20	KLCN	1290 100	Blytheville
3:30-3:50	KXYZ	1440 500	Houston
3:50-4:10	KTUL	1400 500	Tulsa
4:00-4:20	KPAC	1260 500	Port Arthur
4:10-4:30	KGDY	1340 250	Huron
4:20-4:40	KRGV	1260 500	Weslaco
4:50-5:10	KARK	890 250	Little Rock
5:00-5:20	KGKO	1240 500	Wichita Falls
5:20-5:40	WNAD	1010 1000	Norman
5:30-6:30	KMBC	950 1000	Kansas City
5:40-6:00	KUOA	1260 1000	Fayetteville

### December 8

1:30-2:30	CKCV	1310 100	Quebec
2:30-4:00	KUSD	890 500	Vermillion S. D.
3:00-4:00	KFRO	1370 100	Longview, Tex.

### December 15

1:00-3:00	WHAZ	1300 500	Troy
2:00-3:00	KFRU	630 500	Columbia
2:30 on	WMMN	890 500	Fairmount
3:30-4:30	KIDW	1420 100	Lanar
	CHAB	1200 100	MooseJaw,Sask.
	KFRO	1370 100	Longview, Tex.
4:00-6:00	WOI	640 5000	Ames, Iowa
	KVOL	1310 100	Lafayette
5:00-6:00	CHML	1010 100	Hamilton, Ont.
5:30-7:00	WTRC	1310 50	Elkhart

### December 22

1:30-2:30		859 35000	Strasbourg
2:00-3:00	W6XAI	1550 1000	Bakersfield
3:00-4:00	KIUF	1310 100	Santa Fe, N. M.
	KXA	760 250	Seattle
4:00-5:00	KWJJ	1040 500	Portland, Ore.
	KGCX	1310 100	Wolf Pt., Mont.

### December 8, 22

2:00-4:00	WJBO	1420 100	Baton Rouge
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### December 1, 8, 15, 22, 29

2:00-3:00	CJLS	1310 100	Yarmouth, N. S.
2:30-4:00	CKWX	1010 100	Vancouver
3:00-4:30	CKOV	630 100	Kelowna

### December 29

12:01-3:00	CJRC	1390 100	Winnipeg
4:00-4:30	KSFO	560 100	San Francisco

## Monday Mornings

### December 2

1:00-2:00	RW39	832 100000	Moscow
2:00-2:20	WCNV	1500 100	Brooklyn
2:00-2:20	WJAC	1310 100	Johnstown
2:10-2:30	WFAS	1210 100	White Plains
2:10-2:30	WRAK	1370 100	Williamsport
2:20-2:40	WBNF	1500 100	Binghamton
2:20-2:40	WCHS	580 500	Charleston
2:30-2:50	WAGM	1420 100	Presque Isle
2:30-2:50	WBTM	1370 100	Danville
2:40-3:00	WMFF	1310 100	Plyatsburg
2:40-3:00	WLVA	1200 100	Lynchburg
2:50-3:10	WHDL	1420 100	Olean
3:00-3:20	WCAX	1200 100	Burlington
3:10-3:30	WSYB	1500 100	Rutland
3:10-3:30	WTEL	1310 100	Philadelphia
3:20-3:40	WIBX	1200 100	Utica
3:30-3:50	WQDM	1370 100	St. Albans
3:30-3:50	WKOK	1210 100	Sunbury
3:40-4:00	WMBO	1310 100	Auburn
3:40-4:00	WLEU	1420 3100	Erie
3:50-4:10	WABY	170 100	Albany
3:50-4:10	WBAX	1210 100	Wilkes-Barre

4:00-4:20	WCAD	1220 500	Canton
4:00-4:20	WHAT	1310 100	Philadelphia
4:00-4:20	KOOS	1200 100	Marshfield
4:10-4:30	WRDO	1370 100	Augusta
4:10-4:30	WBBL	1210 100	Richmond
4:10-4:30	KGBU	900 500	Ketchikan
4:20-4:40	WNBZ	1290 100	Saranac Lake
4:20-4:40	WBRE	1310 100	Wilkes-Barre
4:20-4:40	KGVO	1260 1000	Missoula
4:30-4:50	WMAS	1420 100	Springfield
4:30-4:50	KPQ	1600 100	Wenatchee
4:40-5:00	WRAW	1310 100	Reading
4:40-5:00	KG Y	1210 100	Olympia
4:50-5:10	WAAT	940 500	Jersey City
4:50-5:10	KRKO	1370 100	Everett
5:00-5:20	WSYR	570 250	Syracuse
5:00-5:20	KFXD	1200 100	Nampa
5:10-5:30	KVL	1370 100	Seattle
5:20-5:40	KGEZ	1310 100	Kalispell
5:30-5:50	KUJ	1370 100	Wallis Valley
5:40-6:00	KG CX	1310 100	Wolf Point
5:50-6:10	KPQD	780 250	Anchorage
6:00-6:20	KSEI	900 250	Pocatello
6:10-6:30	KVOS	1200 100	Bellingham
6:20-6:40	KIT	1310 100	Yakima
6:30-6:50	KRSC	1120 100	Seattle
6:40-7:00	KXRO	1310 100	Aberdeen
6:50-7:10	KFTO	1120 100	Spokane
7:00-7:20	KEJI	1210 100	Klamath Falls
7:10-7:30	KMED	1310 100	Medford
7:20-7:40	KORE	1420 100	Eugene
7:30-7:50	KAST	1370 100	Astoria
7:40-8:00	KRLC	1420 100	Lewiston
7:50-8:10	KINY	1310 100	Juneau

### December 9

2:00-3:00	KIUN	1420 100	Pecos, Tex.
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### December 2, 9, 16, 23, 30

1:00-2:00	WGES	1380 500	Chicago
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## Tuesday Mornings

### December 3

2:00-2:20	WPAX	1210 100	Thomasville
2:10-2:30	WBHS	1200 100	Huntsville
2:20-2:40	WHBQ	1370 100	Memphis
2:30-2:50	WEED	1420 100	Rocky Mount
2:40-3:00	WOPI	1500 100	Bristol
2:50-3:10	WSMB	1320 500	New Orleans
3:00-3:20	WMBR	1370 100	Jacksonville
3:10-3:30	WNRA	1420 100	Minster Shoals
3:20-3:40	WSJS	1310 100	Winston-Salem
3:30-3:50	WHEF	1500 100	Kosciusko
3:40-4:00	KMLB	1200 100	Monroe
3:50-4:10	WAGF	1370 100	Bohan
4:00-4:20	WNEL	1290 500	San Juan
4:00-4:20	KWG	1200 100	Stockton
4:10-4:30	WTJS	1310 100	Jackson
4:10-4:30	KPJ M	1500 100	Prescott
4:20-4:40	WPFB	1370 100	Hattiesburg
4:20-4:40	KERN	1370 100	Bakersfield
4:30-4:50	WGPC	1420 100	Albany
4:30-4:50	KXO	1500 100	El Centro
4:40-5:00	WBN0	1200 100	New Orleans
4:40-5:00	KIEM	1210 100	Eureka
4:50-5:10	WROL	1310 100	Knoxville
4:50-5:10	KLS	1440 250	Oakland
5:00-5:20	WDNC	1500 100	Durham
5:00-5:20	KHSL	950 250	Chico
5:10-5:30	WJBW	1200 100	New Orleans
5:10-5:30	KGMB	1320 250	Honolulu
5:20-5:40	WAML	1310 100	Laurel
5:20-5:40	KRE	1370 100	Berkeley
5:30-5:50	WSIX	1210 100	Springfield
5:30-5:50	KGU	750 2500	Honolulu

5:40-6:00	KGAR	1370	100	Tucson
5:50-6:10	KCRJ	1310	100	Jerome
6:00-6:20	KGDM	1100	1000	Stockton
6:10-6:30	KSUN	1200	100	Lowell
6:20-6:40	KTRB	740	250	Modesto
6:30-6:50	KUMA	1420	100	Yuma
6:40-7:00	KFBK	1310	100	Sacramento

**December 10**

3:00-4:30	CKNX	1200	50	Wingham
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**December 17**

1:00-4:00	WDAY	940	1000	Fargo
1:00-2:00	WKOK	1210	100	Sunbury
2:00-3:00	WFAS	1210	100	White Plains
4:00-5:00	KPPC	1210	50	Pasadena
5:00-6:00	WHBU	1210	100	Anderson
7:00-8:00	WSBC	1210	100	Chicago

**December 24**

1:15-1:45	IITO	1140	7000	Turin
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**December 3, 10, 17, 24, 31**

3:00-4:00	KFXM	1210	100	San Bernardino
5:00-5:15	WBNS	1430	100	Columbus

**Wednesday Mornings**

**December 4**

1:00-1:30	WFBC	1290	1000	Duluth
1:30-2:30	WSUI	880	500	Iowa City
2:00-2:20	WEBR	1310	100	Buffalo
2:10-2:30	WPEN	920	250	Philadelphia
2:20-2:40	WSAJ	1310	100	Grove City
2:30-2:50	WHIS	1410	250	Bluefield
2:40-3:00	WFBG	1310	100	Altoona
2:50-3:10	WPHR	880	500	Petersburg
3:00-5:10	WIRE	1400	500	Indianapolis
3:00-3:20	WDAS	1370	100	Philadelphia
3:00-3:20	WKBB	1500	100	East Dubuque
3:00-3:20	KIUL	1210	100	Garden City
3:10-3:30	WRBX	1410	250	Roanoke
3:10-3:30	WHRC	1200	100	Canton
3:10-3:30	KGTW	1420	100	Alamogordo
3:20-3:40	WNMG	1210	100	Richmond
3:20-3:40	WTRC	1310	100	Elkhart
3:20-3:40	KICA	1370	100	Clovis
3:30-3:50	WSVS	1370	100	Huffman
3:30-3:50	WBCM	1410	500	Bay City
3:30-3:50	KGHI	1200	100	Little Rock
3:40-4:00	WGH	1310	100	Newport News
3:40-4:00	WGHF	630	500	Evansville
3:40-4:00	KIDW	1420	100	Lamar
3:50-4:10	WOCL	1210	100	Jamestown
3:50-4:10	WROK	1410	500	Rockford
3:50-4:10	KBTM	1200	100	Paragould
4:00-4:20	WQAN	880	250	Seranton
4:00-4:20	WBWO	1310	100	Terre Haute
4:00-4:20	KFHB	1280	1000	Great Falls
4:10-4:30	WIFC	1430	500	Rochester
4:10-4:30	WOSU	570	750	Columbus
4:10-4:30	KGFF	1370	100	Roswell
4:20-4:40	WSAZ	1190	1000	Huntington
4:20-4:40	WBFO	1310	100	Marquette
4:20-4:40	KADA	1200	100	Ada
4:30-4:50	WGAL	1500	100	Lancaster
4:30-4:50	WKBN	570	500	Youngstown
4:30-4:50	WCAL	1250	1000	Northfield
4:40-5:00	WCAZ	1070	100	Carthage
4:40-5:00	KFJB	1200	100	Marshalltown
4:50-5:10	WIRE	1400	500	Indianapolis
4:50-5:10	WACO	1420	100	Waco
5:00-5:20	WDZ	1070	100	Tuseola
5:00-5:20	KGDE	1200	100	Fergus Falls
5:10-5:30	WLBL	900	2500	Stevens Point
5:10-5:30	WLB	1250	1000	Minneapolis
5:20-5:40	WBAA	890	1000	West Lafayette
5:20-5:40	WLL	1200	100	St. Louis
5:30-5:50	WTAD	900	500	Quincy
5:30-5:50	KGHE	1520	500	Pueblo
5:40-6:00	WXXVZ	1210	1000	Petrolit
5:40-6:00	KTRO	1370	100	Longview
5:50-6:10	WTRV	1500	100	East St. Louis
5:50-6:10	KVSO	1210	100	Ardmore

**December 18**

1:41-1:49	CFCY	630	1000	Charlottetown
2:00-2:30	KWTO	560	5000	Springfield
4:00-5:00	WIL	1200	100	St. Louis

2:30-4:00	KADA	1200	100	Ada
1:30-2:00	WKBB	1500	100	E. Dubuque

**December 25**

**December 4, 11, 18, 25**

**Thursday Mornings**

**December 5**

2:00-2:20	WSOC	1210	100	Charlotte
2:20-2:40	WMFD	1370	100	Wilmington
2:40-3:00	WJBO	1420	100	Baton Rouge
2:50-3:10	WGCM	1210	100	Mississippi City
3:00-3:20	WRDW	1500	100	Augusta
3:00-3:20	WHBY	1200	100	Green Bay
3:00-3:20	WDAH	1310	100	El Paso
3:10-3:30	WKAQ	1240	1000	San Juan
3:10-3:30	WJMS	1420	100	Ironwood
3:10-3:30	KLUF	1370	100	Galveston
3:20-3:40	WCSC	1360	500	Charleston
3:20-3:40	WEDC	1210	100	Chicago
3:20-3:40	KFSM	1310	100	El Paso
3:30-3:50	WBIG	1440	500	Greensboro
3:30-3:50	WKRC	550	1000	Cincinnati
3:30-3:50	KGKL	1370	100	San Angelo
3:40-4:00	WMFO	1370	100	Decatur
3:40-4:00	WJIM	1210	100	Lansing
3:40-4:00	KPBA	1310	15	Greenville
3:50-4:10	KFJZ	1360	1000	Nicksburg
3:50-4:10	KMAC	1420	100	Fond du Lac
4:00-4:20	WDBO	580	1000	San Antonio
4:00-4:20	WBBQ	1210	100	Orlando
4:00-4:20	KFYD	1310	100	Harrisburg
4:10-4:30	WNBR	1430	500	Lubbock
4:10-4:30	WMPC	1200	100	Lapeer
4:10-4:30	KONO	1370	100	San Antonio
4:20-4:40	WQAM	560	1000	Miami
4:20-4:40	WBFB	1210	100	Rock Island
4:20-4:40	KABR	1420	100	Aberdeen
4:30-4:50	WDAE	1220	1000	Tampa
4:30-4:50	WKBB	1500	100	Muskogon
4:30-4:50	KFJM	1370	100	Grand Forks
4:40-5:00	WMFN	1210	100	Clarkdale
4:40-5:00	WCBS	1420	100	Springfield
4:40-5:00	KIJJ	1310	100	Santa Fe
4:50-5:10	KVOL	1310	100	Lafayette
4:50-5:10	WKBV	1500	100	Richmond
4:50-5:10	KFGQ	1370	100	Boone
5:00-5:20	WIOD	1300	1000	Miami
5:00-5:20	WTAX	1210	100	Springfield
5:00-5:20	KGBN	1310	100	Springfield
5:10-5:30	WFPL	620	1000	Clearwater
5:10-5:30	WPAY	1370	100	Portsmouth
5:10-5:30	KCMC	1420	100	Texasiana
5:20-5:40	KPLC	1500	100	Lake Charles
5:20-5:40	WHBU	1210	100	Anderson
5:20-5:40	WBBZ	1200	100	Ponca City
5:30-5:50	WAIM	1200	100	Anderson
5:30-5:50	WIBM	1370	100	Jackson
5:30-5:50	KGFF	1420	100	Shawnee
5:40-6:00	WMFJ	1420	100	Daytona Beach
5:40-6:00	WOMT	1210	100	Manitowoc
5:40-6:00	KNOW	1500	100	Austin

**December 12**

2:15-2:30	WILH	1370	100	Lowell
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**December 19**

1:01-1:09	CRCS	950	100	Chicoutimi
1:11-1:19	CJCB	1240	1000	Sydney
1:21-1:29	CHNS	930	1000	Halifax
1:31-1:39	CHRC	580	100	Quebec
1:41-1:49	CFCY	630	1000	Charlottetown
1:51-1:59	CJLS	1310	100	Yarmouth
2:11-2:19	CHSJ	1120	500	St. John
2:11-2:19	CKNC	1420	100	Toronto
2:31-2:39	CKCW	1370	100	Moncton
3:01-3:09	CHNC	1410	500	New Carlisle

**December 26**

5:10-6:00	WFPL	620	1000	Clearwater
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**Friday Mornings**

**December 6**

3:00-3:20	WJW	1210	100	Akron
3:00-3:20	KRMD	1310	100	Shreveport
3:10-3:30	WPAD	1420	100	Paducah

3:10-3:30	KOTN	1500	100	Pine Bluff
3:20-3:40	WCOL	1210	100	Columbus
3:20-3:40	KFXR	1310	100	Oklahoma City
3:30-3:50	WELL	1420	100	Battle Creek
3:30-3:50	KGEK	1200	100	Sterling
3:40-4:00	WALR	1210	100	Zanesville
3:40-4:00	KFPL	1310	100	Dublin
3:50-4:10	WMBC	1420	100	Detroit
3:50-4:10	WCAT	1200	100	Rapid City
4:00-4:20	WFDF	1310	100	Flint
4:00-4:20	KGCC	1240	250	Mandan
4:10-4:30	WCPO	400	100	Cincinnati
4:10-4:30	KWYO	1370	100	Sheridan
4:20-4:40	WGAR	1450	500	Cleveland
4:20-4:40	KLPM	1240	250	Minot
4:30-4:50	WCLO	1200	100	Janesville
4:30-4:50	KGFG	1370	100	Oklahoma City
4:40-5:00	WCLS	1310	100	Joliet
4:40-5:00	KABC	1420	100	San Antonio
4:50-5:10	WJBL	1200	100	Decatur
4:50-5:10	KFJZ	1370	100	Fort Worth
5:00-5:20	WJBK	1500	100	Detroit
5:00-5:20	KSO	1430	250	Des Moines
5:10-5:30	WIBU	1210	100	Poynette
5:10-5:30	KGPI	1500	100	Corpus Christi
5:20-5:40	WHDF	1370	100	Calumet
5:20-5:40	WLBK	1420	100	Kansas City
5:30-5:50	WCRV	1210	100	Chicago
5:30-5:50	KGKB	1500	100	Tyler
5:40-6:00	WTAQ	1330	1000	Eau Claire
5:40-6:00	WMBH	1420	100	Joplin
5:50-6:10	WMFG	1210	100	Hibbing

**December 13**

2:15-2:45	KPOF	880	500	Denver
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**December 20**

1:01-1:09	CRCS	950	100	Chicoutimi
1:11-1:19	CJOB	1240	1000	Sydney
1:21-1:29	CHNS	930	1000	Halifax
1:31-1:40	CHBC	580	500	Quebec
1:51-1:59	CHLS	1310	100	Yarmouth
2:00-2:09	CENB	550	500	Fredericton
2:11-2:19	CHSJ	1120	500	St John
3:01-3:09	CHNC	1410	500	New Carlisle
3:15 on	KGGM	1230	250	Albuquerque

**December 27**

1:00-1:15	WLIH	1370	100	Towell
1:00-1:15	KPRC	920	1000	Houston

**December 6, 13, 20, 27**

12:01-3:00	CFCN	1030	10000	Calgary
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**Saturday Mornings**

**December 7**

1:00-3:00	WTMV	1500	100	E. St. Louis, Ill.
2:10-2:30	WBRB	1210	100	Red Bank
2:20-2:40	WWRL	1500	100	Woodside
2:30-2:50	WGNV	1210	100	Chester
2:40-3:00	WMBQ	1500	100	Brooklyn
2:50-3:10	WGRB	1210	100	Freeport
3:00-3:20	WOKO	1430	500	Albany
3:00-3:20	WJBC	1200	100	Bloomington
3:00-3:20	KTRH	1330	500	Houston
3:10-3:30	WDEW	550	500	Waterbury
3:10-3:30	WGL	1370	100	Port Wayne
3:10-3:50	KFPW	1210	100	Fort Smith
3:20-3:40	WNYC	810	1000	New York
3:20-3:40	WVAE	1200	100	Hammond
3:20-3:40	WTAW	1120	500	College Station
3:30-3:50	WQV	1130	1000	New York
3:30-3:50	WLBC	1310	100	Muncie
3:30-3:50	KASA	1210	100	Elk City
3:40-4:00	WINS	1180	1000	New York
3:40-4:00	WFAM	1200	100	South Bend



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Used throughout the world because of their unique design—high sensitivity—and static reducing feature.

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RADIO MANUFACTURING CO.  
1528 Armitage Ave.  
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3:40-4:00	KWLC	1270	100	Decorah
3:50-4:10	WCAP	1280	500	Asbury Park
3:50-4:10	WEXL	1310	100	Royal Oak
4:00-4:20	WNBC	1380	250	New Britain
4:00-4:20	WJAY	610	500	Cleveland
4:00-4:20	KGCA	1270	100	Decorah
4:10-4:30	WTNJ	1280	500	Trenton
4:10-4:30	WBNS	1430	500	Columbus
4:10-4:30	KFVS	1210	100	Cape Girardeau
4:20-4:40	WLNI	1310	100	Laconia
4:20-4:40	WWJ	920	1000	Detroit
4:20-4:40	KGHL	780	1000	Billings
4:30-4:50	KQV	1380	500	Pittsburgh
4:30-4:50	KDLR	1210	100	Devil's Lake
4:40-5:00	WLAP	1420	100	Lexington
4:40-5:00	WOC	1370	100	Davenport
4:50-5:10	WSMK	1380	200	Dayton
4:50-5:10	KFNJ	1200	100	Grand Junction
5:00-5:20	WAVE	940	1000	Louisville
5:00-5:20	KFDM	560	500	Beaumont
5:10-5:30	WADC	1320	1000	Akron
5:10-5:30	KWTN	1210	100	Watertown
5:20-5:40	WSPD	1340	1000	Toledo
5:20-5:40	WEW	760	1000	St. Louis
5:30-5:50	WHK	1390	1000	Cleveland
5:30-5:50	KWEA	1210	100	Shreveport
5:40-6:00	WCMH	1310	100	Ashland
5:40-6:00	WSUI	880	500	Iowa City
5:50-6:10	KGGM	1230	250	Albuquerque

**December 14**

2:00-3:00	WHBB	740	250	Portsmouth
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**December 21**

1:31-1:39	CJKL	530	1000	Kirkland Lake
2:00-2:09	C'PNB	580	500	Fredericton

**December 28**

2:00-3:00	WBIG	1440	500	Greensboro
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**December 7, 21**

1:00-2:00	CMKC	1250	150	Santiago
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**December 14, 21, 28**

5:00-6:00	WMFO	1370	100	Decatur, Ala.
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**December 7, 14, 21, 28**

12:01-1:00	CMCO	1110	250	Havana
1:00-5:00	KIUP	1370	100	Durango
2:00-4:00	KIUN	1420	100	Pecos

**Ekko Verification Stamps Are Still Popular**

If you are unable to obtain one from the station itself, send us your verification and dime. We will return your verification together with Ekko Stamp.

The Ekko Company, P. O. Box 295, Ravinia, Ill.

# The Newark News Radio Club

**R**ADIO clubs are born, not made—at least ours was. Nobody had to do much ballyhooing to get it underway. An army of DX bugs was flapping around New Jersey, waiting for a chance to land on the radio page of the Newark Evening News. When a paragraph appeared in our radio column to the effect that a meeting would be held at the News office in Newark for the purpose of founding a DX club, more than fifty eager dial twisters were present. Before two hours had passed, we had the first draft of our constitution, a president, vice-president, secretary, treasurer, several committees, and were set to go. We've been going ever since—and how!

In those early days of broadcasting, when local programs were poor and distance savoured of the miraculous, DX captured our imagination. We rambled all over the place on our home-made set and some of the rambles got in the column. Other ramblers began writing letters. Pretty soon they demanded the formation of a club. The afore-mentioned meeting resulted.

Right on the spot at the historic first meeting was our present president, Irving Potts. With a gleam in his eye and a ring of determination in his voice, Irving declared: "This club is going to grow way beyond New Jersey. Why, it may be an international organization one of these days."

"Irv's got some imagination," we said, but the dream wasn't so wild and the fulfillment not so long in coming. We have members pretty much all over the world, held together by the power of that vision of Irving's which he has never relinquished and which serves as the spur of our endeavors.

Although our part in the club was principally to provide a parking space in the column for letters and comments, we feel pretty happy when one of the boys declares that we started it all. It may not be exactly true, but it's nice. The idea was theirs, the work has been theirs and, if they generously give us a chance to participate in the glory, we're appreciative and proud.

There's a hint of winter in the air, the keen winds blow,  
The smell of burning leaves abounds, the smoke hangs low,  
But soon the air grows crystal-clear and you and I  
Can sit before the hearth and reach the far and nigh.  
We'll hear the soft-toned Southerner, Atlanta's voice,  
We'll hear the folks of Texas speak and we'll rejoice  
Because, though we must stay and tread the old home ways,  
Our hearts will go a-travelling these winter days.

Charlotte Geer, Radio Columnist,  
Newark Evening News.

\* \* \*

## The Courtesy Programs Committee

The most important committee of a radio club is the CPC. Its members use all of their spare time without any remuneration to contact stations all over the United States, Canada, Cuba, Mexico, South America and Europe in an effort to have these stations dedicate special programs to the members of the club.

The club members are increasing their DX logs from season to season, in addition to experiencing the thrill of hearing a small station in some remote corner of the globe. The stations themselves derive a far more valuable benefit. Not only will they find out how far their signals will reach, but they can determine the territory to which they can render good service.

I took charge of the CPC of the Newark News Radio Club in 1932 and, thanks to the fine co-operation



and hard work of the committee members, over 1950 programs have been dedicated to the club. I have been particularly fortunate in having Bill Applegate, Art Foerster and James J. Hart working on the committee. Bill has been in charge of the Canadian stations for the past three years and not only has he created a fine spirit of good-will between the broadcasters of the club, but he has scheduled DX programs from stations which never before broadcast such specials. Art Foerster arranged over 150 specials last season and already has almost passed that mark this year. Jimmy Hart has done some splendid work among the South American stations.

The first spectacular broadcast took place in February, 1931, when Major William Cookson, then owner of the 7½ watt station at Hamilton, Bermuda, dedicated a program to the NNRC and received 68 reports from 13 states. Last season, Station KSL, Salt Lake City, received hundreds of reports from Japan and China on an NNRC special, which was also re-broadcast over KGMB in Honolulu. The present DX season promises to become the banner year, with 210 specials already scheduled a week before the official opening of the DX season. *Louis Hahn, Chairman.*

#### **"Creating Possible Catches"**

C. P. C. in the NNRC stands for Courtesy Programs Committee. These three letters may also stand for the work involved—Creating Possible Catches. What the DXer wants, the CPCer strives to obtain. One cannot succeed without the other. The CPCman must work alone, his efforts must bring returns, and the response to the stations must be pleasing.

In the past eight years of CPC work, the Newark News Radio Club has made great strides forward. The committeemen have brought to the air many new and elusive catches for the benefit of NNRC members in particular and DXers in general. I



*William H. Applegate*

doubt if there are any listeners who cannot credit the NNRC with a list of valued catches which otherwise would have been missing from their logs. *William H. Applegate, Vice-Chairman.*

#### **No Postage; No DX**

Being a member of the CPC of the NNRC has been a source of combined work and pleasure. Naturally, when you are assigned to seven channels, one of which is the 1210 "graveyard," there is plenty of writing to do. Each program that I arrange requires at least three letters and sometimes as many as six or seven. Last season, I scheduled close to 100 programs, so the amount of correspondence required is apparent.

One of the real thrills in CPC work comes from the fine spirit of co-operation between committeemen and stations. WEDC of Chicago, one of



*William Vornkahl, Jr.*

the all-nighters, is on one of my channels, so it was foolish to attempt to schedule a program on that frequency. I got in touch with Bill Applegate and he went around to see the manager. Every DXer knows the outcome of that interview—WEDC has kindly consented to remain silent every Tuesday morning.

As I always try to do the right thing by all stations, it is rather hard to get a letter like the one I received from WFAS recently. I had been writing the station for over two years, but never received a reply. Finally, a rather personal letter to the manager, Mr. Seitz, brought a reply stating that the station would go on for us during my December Frolie. However, he said that he was disgusted with the present-day DXer, that very few requests for verifications included return postage and that it has sometimes cost him as high as \$50 for postage on a single DX program. He said that he would like to co-operate with DXers, but

doesn't feel that he should spend that much money just to please some selfish listeners. Perhaps a real response on the December 17th special will bring him back to our side. *William Vornkahl, Jr.*

### **It's Up to the DXer**

Through contacting broadcasters for special DX programs, I have found a variety of attitudes varying almost as much as the localities which they represent. These opinions are of as much importance as interest, and an analysis of them is necessary to the CFCer who wishes the continuance of such early morning programs.

It is usually the program director who makes the decision on the question of a special. In arriving at his decision, he considers many things. Perhaps the most important points are the question of finances, the convenience to the personnel, and the response to past programs of a similar nature.

The latter is probably considered first, and if previous broadcasts have brought too few reports, the station is reluctant to favor the DXers once more. If thanks have been profuse, if reports have been clear and have contained information of value, the



*J. Kenneth Vetter*

chances are that the station will agree to further special programs.

The smaller stations must consider the expense of such programs and, while they might want to co-operate with the listeners, they are often obliged to refuse our requests.

A few stations just aren't interested and there is little that we can do about them. However, it is interesting to note that many of the indifferent broadcasters don't last very long, and they either go out of business or have a change in management. *J. Kenneth Vetter.*

#### Wrong Reports Kill Interest

Next to being a DXer, there is nothing more interesting than serving on the CPC of a radio club. Besides obtaining a comprehensive view of the reaction of stations towards DXing, the CPCer is able to make many pleasant personal contacts with broadcasting officials.

Most DXers remember the trouble in obtaining replies from KLPB. Not so long ago I received a letter from Leslie E. Maupin, Chief Engineer, in which he said that all correct reports *would* be verified in the future.

KGFX was another difficult station to verify, but a letter from Mrs. Dana McNeil, the program director, stated that they had received many requests for verification *before* they went on the air. No wonder they didn't pay much attention to letters, and it is gratifying to learn that the station will confirm future reports as soon as possible.

There is a certain amount of satisfaction in receiving a letter which advises that a station is glad to co-operate with a radio club, while the knowledge that reports on specials which I have arranged have been of value to the station itself is ample payment for the work involved. *Carroll H. Weyrich.*

#### The Baltimore Chapter

To be worthy of our self-applied title, "Pride of the NNRC," is the sole ambition of the Baltimore Boosters.

To help keep our club at the head of the parade is our earnest desire. To have other groups within the club derive the same pleasures of get-togethers is our fervent wish.

The idea of friendly gatherings was conceived more than four years ago, and since then we have averaged ten meetings a season at which the mutual exchange of DX achievements and tips has served to enhance our pleasures in this fascinating hobby. We usually count on ten members of our own



*Carroll H. Weyrich*

gang at these meetings and have had as many as seventeen.

Every year we try to attend the club's May entertainments en masse. In 1933, sixteen of us made the trip up from Baltimore. Last year, a tribe of Indians from the Hoosier state, headed by the intrepid Art Foerster, swooped down on us. The nine of them doubled up with us over night and then headed for Newark in the morning. After the meeting, we were



Lloyd S. Hahn

among the 57 NNRCers seated at one large table in a restaurant for a final blow-out. Many states were represented. To have been present at this gathering was to be convinced that there is a very tangible something about our club that makes membership desirable. Call it a spirit of *Camaraderie*, if you will.

Briefs 'Bout Baltimore Boosters: *Carroll Weyrich*, tall and blond, married to another club member, the former Ruth Wherley, uses a Scott receiver, snoozes around midnight at meetings and has a pet peeve at the BBC for not verifying SR and WR; *C. M. Falconer*, whose duties as president of the Maryland Automobile Club have hurt his DXing, has many fine catches which have fallen before his wizardry of the dials and is peeved because XEW moved to a crowded channel; *Robert Base* has DXed his way through the last three Scott creations and has plastered the walls of his DX den with more than 700 BCB veries; *Louis J. McVey*, living in a veritable DXer's paradise, where WELI, WAAT and WHEB are R6-7 at noon, has taken us Boosters on air raids all over the world, but still has his troubles with KGBU; *Martin Howard*, the boy wonder secretary, holds

two veries from KGBU for McVey's particular benefit and can't like having to get out notices of a meeting when he has a heavy date; *George Doyle* and *Paul Ruppert*, DX buddies of Sparrows Point, have logs which are growing rapidly; *Dixon Russell* divides his time between radio and duckpins, has won high honors in several short wave contests; *Clinton Sevier*, a postman, is plenty peeved when he has to deliver a verie to *Howard Muhl* when it does not grace his own log, while Howard, a barber, refuses to shave Clint after a session with an electric street car switch at his corner; big brother *Philip S. Hahn* has had amazing success with a 4-tube Philco, boasts veries from KGMB and Poste Parisien and gets plenty riled after listening to a faint signal for an hour and then discovering it to be a harmonic of a local; *Bill Smith*, *Bill Bauer* and *Elton Krider* are newer members who are making rapid strides.

Lloyd S. Hahn

### The Indiana Chapter

With an initial membership of six, the Indiana Chapter was organized two years ago. At first, growth was small, but the small group of NNRCers refused to give up and we now have 23 members.

The Baltimore Boosters challenged us to obtain one new member for every three for them. We took them up on this and proceeded not only to match them member for member, but actually gained on them.

Then they had the audacity to dare us to think up some new publicity stunt or novel method of obtaining new members. Once again we arose to meet the challenge and brought the largest state delegation from a distance ever to attend the final club meeting in Newark. Nine Indiana members made the trip, while Baltimore, several hundred miles closer, was able to muster but seven.

(Continued on page 37)

# A Christmas Gift that comes ten times a year

*Make up your gift list now.*

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

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

## *Special Christmas Rates* (Good only until Dec. 31, 1935)

The subscription price of RADEX is \$2.00 per year (\$2.50 in other countries). At this time only, we will accept subscriptions three for \$5.00, two for \$3.75, or one for \$2.00. Each year that you order counts as one subscription. Your own subscription (new or renewal) may be included at these rates.

## *Christmas Order Form*

The Radex Press, Inc., Conneaut, Ohio.

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

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Years?  
Send Gift Card to recipient  Send Gift Card to me

---

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

---

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

I enclose \$ ..... in payment.

Name of person sending order .....

Address .....

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# Equip Your Radio with Head Phones

A necessity to the hard-of-hearing and to those who want to listen-in when others in the house are asleep or ill. Shuts out the room noises and reduces the static.

## *The Perfect Phone Adapter*

may be installed in any set in two minutes without tools. Merely insert the socket-adapters (A) under the audio power tube or tubes and leave them there. The toggle switch on box (B) cuts speaker in or out at will. The tips of the phones (E) are inserted in little jacks in the box which may be placed in or under the set.

Price of Adapter complete \$3.95 postpaid.

If you desire to use the Phones at a distance from the set (or use a second speaker in another room) you will need the extension cord and connector (C). Ten foot lengths, 50c.

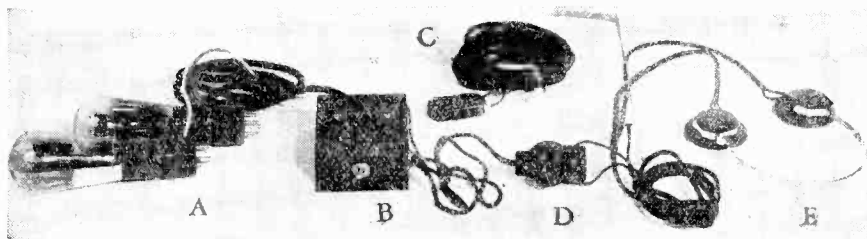
If you desire to regulate the volume of the set from a distance or cut out the "blurbs" or talks, you will need the Distant Volume Control (D). Price \$2.00.

Trimm Featherweight Head Phones of the very finest quality. \$8.05 postpaid. Others as low as \$2.75.

*In ordering be sure to give make and model of receiver and a list of the tubes used.*

**The Radex Press, Inc.**

**Conneaut, Ohio**



# SHORT WAVE NEWS

## and Other Gossip

• • • By PAGE TAYLOR

**I**N OUR last issue it was mentioned that the most popular programs on the air seem to be the news services, and this statement holds just as true on the shortwaves as on the broadcast band. We believe an outline of the news dispatches available from various stations will be of interest.

Over the National Broadcasting Co. Network is heard Lowell Thomas, famous world-traveller and author. About him, "World-Radio" of London, says, "Perhaps the most popular news commentator is Lowell Thomas, who gives over the NBC Network a lively, unconventional account of important happenings throughout the world." Thanks to shortwaves, Mr. Thomas is almost as well known as a newscaster in Europe, South America and Africa as he is in his own country. He can be heard daily except Saturday and Sunday at 1845 EST. (2345 GMT), over the following stations :

- 6.040 mags, W4XB, Miami.
- 6.060 mags, W8XAL, Cincinnati.
- 6.090 mags, CRCX, Toronto.
- 6.100 mags, W3XAL, New York.
- 9.570 mags, W1XK, Boston.
- 11.870 mags, W8XK, Pittsburgh.

Columbia's ace, Boake Carter, can be heard daily except Saturday and Sunday at 1945 EST. (0045 GMT) through W3XAU, Philadelphia, on 6.060 mags.

"The March of Time," a dramatization of important news events, can be heard from the CBS stations W2XE, 6.120 mags. and W3XAU, 6.060 mags., daily except Saturday and Sunday at 2230 EST. (In Greenwich time, this program will be heard except Sunday and Monday at 0330, GMT).

The Reuter's News from Daventry is the best of all the foreign news broadcasts. The final fifteen minutes of each transmission from the Daventry station is devoted to these dispatches. Except for numerous cricket and rugby scores, these periods are of great interest to us, and once in a while we are fortunate enough to hear American news before we have read it in our own newspapers.

Listeners interested in Italian opinion on the Ethiopian situation should not fail to listen to 2RO on 9.635 mags. at 1800 EST., every day except Sunday. The "news" is quite obviously prepared by the Propaganda Department, and the tendency seems to be to convince us the Ethiopians are down-trodden slaves and that they welcome their Italian friends with open arms.

News in English can be heard from the German stations at 2015 EST. nightly. Although German news is censored the censorship is not so obvious as one would expect. The German outlook on world affairs is always interesting.

The stations of the League of Nations at Geneva exist solely for the purpose of diffusing news of the League throughout the world. Their 45-minute talks every Saturday afternoon are confined, usually, to League activities. The stations are HBL, 9.595 mags. and HBP, 7.797 mags., and the time, 1730 to 1815 EST.

Mr. Borrett, Director of CHNS at Halifax, N. S., says, "You might advise your readers that VE9HX will be on the air on 6110 kc/s. regularly from 9 a. m. to 12:30 p. m. and from 4 p. m. to 11 p. m., EST.

starting soon. It is possible, although I have not had official confirmation yet, that the call will be changed from VE9HX to CHNX." The address of this Maritime station is P. O. Box 998, Halifax.

### A RADEX Special

Sr. Amando Cespedes Marin, Technical Director of TIRCC at San Jose, Costa Rica, sends this information about his station, "TIRCC works on a frequency of 6550 kc/s. with 500 watts in the antenna. Are we willing to verify reports? Sure! If an International Reply Coupon is enclosed. Our time on the air is as follows: Sundays, 11:00 a. m. EST., Mass, and at 8 p. m. Rosary. Mondays, Tuesdays, and Wednesdays, 11 a. m. to p. m. and 6 to 7 p. m. Thursdays, noon to 2 p. m. and 5 to 10 or 11 p. m. Fridays and Saturdays, noon to 2 p. m. If you desire a special DX program dedicated to RADEX, please pick out any Thursday coming, from 8 to 11 p. m. EST., and I will see to do the rest. Set your date and we will verify to all listeners hearing your call."

RADEX appreciates this kind offer from Sr. Cespedes, and we have chosen Thursday, December 12, as the date for the special program. This offer was entirely voluntary, and we hope ALL our readers will show their appreciation by tuning for and reporting on this program. Address reports to Sr. Cespedes, Director Tecnico, Radioemisora Catolica Costarricense, Apartado 1064, San Jose, Costa Rica.

Two low powered inter-Key phone stations are being built in the Florida Keys by A. T. & T. Situated at Tavernier, near the northern end of the keys, will be a 5-watt station on 4178 and 4243 kc/s., and at Big Pine, near the southern end of the islands, will be another 5-watt on 5078 and 5198 kc/s.

From Wm. J. Wood, 817 Lake Street, Oak Park, Ill., comes this

information on radio stations being built throughout the state of Illinois for the Highway Police. There will be seven stations, each with a radius of 60 miles, and it is expected that with this network the entire state can be covered. Each station will have a power of 1 kilowatt. They are located as follows: Chicago (at Dunning), DeQuoin, Effingham, Macomb, Pontiac, Springfield, and Sterling. Each station will work on 1.610 megs.

### The Mexican XBJQ

The most widely heard station at the present time seems to be XBJQ. The shortwave unit of the National Bank of Mexico, P. O. Box 2825, Mexico City, D. F. XBJQ works between 10.850 and 11.500 megs. but has been reported most often on exactly 11 megs. This station relays the programs of XEW and an appropriate souvenir is promised to listeners who report reception. XBJQ announces once in a while in English, but the call sign XEW is often heard in Spanish. An interval signal of four chimes precedes announcements. This station was reported by J. G. Richard Heckscher, Charles Spielman, I. O'Rourke, P. I. Ogilvie, Sr. Abella, H. H. Searles, Russell Graham, Theodore Johnson and Lyle Stannard.

"I was very much interested in receiving HRN, Tegucigalpa, Honduras, broadcasting their first regular program," writes Wm. Tippy, 111 Union St., Schenectady, N. Y. "I listened for about an hour to a Spanish program, which ended about 10 p. m. EST., then there was an English program in honor of those who had reported HRN during its tests. HRN is on 5875 kc/s. with 400 watts power. They relay HRN on 1450 kc/s, according to the announcer, and they are eager for reports. The signal strength was good but modulation was fierce."

The African fracas has had its ef-



fect even on our listings of the ships. The German liner Columbus must be deleted as this ship was sold to Italy to be used as a floating hospital.

"The following item may be of interest," believes George W. Haylock, 115 Grange Park Road, Leyton, London E. 10, England. "Warsaw, Poland, is testing station SPW on 22 meters with 10 kw. power daily from 1130 to 12:30 a. m. EST. Reports should go to Polskie Radio, Mazowiecka 5, Warsaw."

"I have been a s.w. fan for over two years," advises Raymond English, 360 Lafayette Ave., Passaic, N. J. "I have a 10-tube model 660 Philco, and a hum-dinger it is! My aerial is only 20 to 25 feet above the ground and I find this height is best for reducing noise. By the way, VK3ME made an important announcement the other day, to the effect that they will start broadcasting daily except Sunday." Mr. English suggests a feature which he thinks will be better than our "Around the Clock" idea. What do the rest of our readers think about it? Here it is: "Many of us try to verify the foreign shortwave stations; therefore you should have a list of the stations giving their English periods and best time for verifying. For example, DJC, every day at 8:15 p. m., News in English, 2RO, Monday, Wednesday and Friday, 5 to 7:30 p. m., The American Hour, YC2RC, Tuesdays from 10:30 to 11 p. m., Short Wave Club program, in English."

H. H. Searles, who calls himself the "DXing Fool," submits a log of 89 stations. "My latest verifications are PCJ, HAT4, HP5J, TGW, HJ3-ABH and W2XAD," he states. "And incidently, TGW now uses a frequency of 6000 kc/s. on s.w. and 1210 on BCB, according to their card. CO9JQ in Camaguey, Cuba, has been testing on about 37 meters from 8 to 9 p.m. EST. VE9GW is now CRCX

and the transmitter is moved to Toronto. Do stations like KKH and WON verify?"

Point-to-point stations of the RCA and AT&T not only do not verify, but warn listeners that it is contrary to International Radio Law to listen to and report on their transmissions. We give their addresses in our indices because we believe that foreign listeners can report on the stations. We would like to hear from some of our overseas friends about this; what kind of replies do they receive from RCA and AT&T?

"If you like to tune through interference for a good catch, try for CMPN, Havana Police station on 1.712 meg.," suggests Rolando Sistolé (?), Medio 92, Matanzas, Cuba. Another Cuban friend, R. Abella, 11E, La Sierra, Marianao, Cuba, writes, "Two more new stations! HRN, La Voz de Honduras, 5875 kc/s., Tegucigalpa, from 8-10 p. m. EST. And YV8RB, La Voz de Lara, at Barquisimeto, Lara, Venezuela, testing between 6 and 8 p. m. EST., on 5870 kc/s."

#### More About BBC

Our article called "Do British Stations Want U. S. Listeners?" didn't "go over very big" with some of our readers. "My reply from the BBC was prompt and very cordial," states Astrid Arnoldson, 412 Montana Bldg., Missoula, Mont. "It would not rank as a technical verification of any specific reception, but the letter was quite long and very courteous. That does not look like indifference to real interest on the part of U. S. A. listeners, does it? A great, Empire-serving plant seems to me to be justified in picking what reports it will verify. With six transmissions from the BBC every 24 hours it must be a stupendous task to check up for every hobby-ridden DXer the items of programs from three weeks to any length of time back. Of course, I personally do not

care about exact verifications. Hearing, after a program of Oriental music, a distinctly un-American voice announce, 'This is station PLV at Bandoeng, Java,' I know it's PLV alright without writing to the NIROM to check up on the evidence of my quite normal ears.' (This is just what we have been writing for a couple years. We are glad someone agrees with us at last.)

#### The J's and VK's

"The Aussies, VK2- and VK3ME, and 3LR, are coming in fine again," reports Antony C. Tarr, c/o District Quartermaster, Fort Lewis, Wash. "In addition, JYM and JVN are heard excellently, and also RV15. It is too bad that RV15 does not answer reports. I heard WQO talking to the S. S. Normandie. Every now and then WQO would break in and say, 'Please slow down the ship. There is a bad rumble on your carrier and it is necessary that you slow down or stop the ship at once.' I don't think the Normandie slowed down and the program was cut at the half-way mark. FNSK, the Normandie, could not be heard here."

We remember several other ship broadcasts when it was necessary that the ship be slowed down or stopped. We wonder if this is necessary during the ship-to-shore telephone conversations.

Kennard Spiker, Franklin Ave., Broomall, Pa., was able to hear this program direct from the ship. "The entertainment was provided by Jack Hylton and a group of well-known singers," he tells us. "I had the good luck to tune in the ship direct, and heard the entire program. The CBS was not so fortunate; they had to cut about 15 minutes of the program due to distortion."

#### Notes from England

"On the s.w. reception has been a bit erratic," complains Robert Pybus, 4 Highfield Rd., Chorlton-cum-Hardy, Manchester, England. "Ham reception has been consistent but

only from the Eastern and occasional Central States, no West Coasters. The Baseball games between Detroit and Chicago were very fine, and so have been the recent football games. Reception is best via W2XAF but W8XK and W2XAD are very nearly as good." Concerning the baseball games, it was amusing to read the comments of a British listener (not Mr. Pybus), in which the innings were referred to as "matches" ("Fourth match", seventh "match", etc.) and good, lusty hits were called "strikes."

"YV2RC is heard much better on its new frequency of 5.800 megas." postcards Theodore Johnson, 821 W. Woodland Ave., Youngstown, Ohio. "I have also heard two new Germans. One is DIP, 14.410 megas, and the other is on 14.660 megas. I didn't get his call letters."

#### In the Jungles

"I have been down here for over eighteen months, sailing up and down the San Juan River, with plenty of jungle on both sides of me, which I do not believe is of any help in my reception," pens I. O'Rourke, 3rd Engineer of the S. S. H. G. Wylie, c/o S. O. V. 22 Abercrombie St., Port of Spain, Trinidad. "My set has only five valves but I am able to receive Daventry without any fading. 3LR comes in nearly every night and I have also had Wellington, N. Z. calling Sydney and London. I have had all the North Americans and most of the South American stations. I hope I may have the pleasure of hearing from some of your readers."

A large number of DX'ers are having SWL cards printed which they send to radio stations, requesting the stations' QSLs in exchange. Eric Butcher's SWL card is even more elaborate than most QSL cards we have seen. His home town, Cokeville, Wyoming, is advertised in red letters 3.25 inches high; his picture is included, as well as a list of the

15 radio clubs of which he is a member. "HJ4ABE is still my best So. American but TIEP, YV5RMO, YV3RC and some others are holding up well. My one big ambition is to hear an African station to enable me to join a Heard All Continents Club and if anyone out here can help me I will appreciate it very much."

Charles Spielman of 415 So. Barstow St., Eau Claire, Wis., reports TFK at Reykjavik, Iceland, and the new 150 kw. French station at Villejust. TFK is on 9.050 mags. but its companion station, TFJ on 12.225 mags. is most often heard. The stations operate irregularly now but the owners state they expect soon to have a more regular schedule. TFJ is usually heard until noon.

#### Police Changes

"Here are some recent changes and new stations among the police frequencies," contributes James Black, 2252 Bellfield Ave., Cleveland, Ohio. "Sharon, Pa. will soon go on the air with a \$12,000 station. It will be linked with the Ohio State Police, WPHC at Massillon, O. New call sign for the Elizabethton, Tenn. police on 2.474 mags. is WPHY. WPEL on 1.666 is at W. Bridgewater, Mass. Other new ones are WPHT. 1.596 mags. at Cambridge, Ohio and WPGF, 1.712 mags. at Providence, R. I."

From Mexico comes news of another new station. Jose Rodriguez Lopez, Manager of XEFT, says this station works with a power of 20 watts daily from 11 a. m. to 4 p. m.; Saturdays from 6:30 to midnight; Sundays from 9 p. m. to midnight, and weekdays from 7:30 p. m. to midnight. XEFT is located on Avenida Independencia 28, in Veracruz, Ver., Mexico. The frequency, 6.120 mags.

"Reception thus far this season indicates I will have a successful season logging the s.w. stations," opines

### Radex Program

TIRCC, 6.550 mags. 8 to 11 p. m., EST, December 12, 1935. Amando Cespedes Marin, Radio-emisora Catolica Costarricense, P. O. Box 1064, San Jose, Costa Rica. Every correct report will be acknowledged by a beautiful QSL card.

J. Russell Grabam, 1005 Allard Ave., Apt. 2, Verdun, P. Q. "I am re-logging the stations and have a total of 108, this being an increase of 10 over last year's mark. HRN, Tegucigalpa, Honduras, is heard testing around 2000 EST quite often and uses 5.890 mags. The Aussies are coming in better this fall and I am also hearing Japan and the Fiji Islands quite often."

"On s.w. I have been picking up a few new ones, such as OAX4D, HP5B, HJ1ABE, YV5RMO, and verified 2RO, DJD, 2RC, and COCD." summarizes Wm. Bundlie, 614 N. 6th St., Grand Forks, N. Dak. "HJ4ABE, Medellin, now works from 11 to 12 a. m., EST, and 6 to 10:30 p. m.; HP5B works from 8 to 10:30 p. m.; 12RO on 11.810 mags. is on daily from 2:30 to 5 p. m., EST."

#### A Standard Frequency Service

The National Bureau of Standards, Department of Commerce, provides a standard frequency service which is broadcast by radio three days a week, from the Bureau's station WWV at Beltsville, Md., near Washington, D. C.

The object of these emissions is to provide a standard for scientific or other measurements requiring an accurate radio or audio frequency or time rate. They are likewise useful for radio stations for adjusting their transmitters to exact frequency, and to the public generally for calibrating

*(Continued on page 37)*

# Idiosyncrasies of RADIO SETS

• • • By THE TECHNICAL EDITOR

**A**N INTERESTING letter from Richard K. Neller, of Niagara Falls, New York, states, in part: "I visited the WLW transmitter at Mason, Ohio. I noticed that music filled the air, but saw no reproducing unit. Finally I located the source; it was coming from the cover of a metal switch and fuse box located on the wall not far from the transmitting tuning condenser and helix in the center of the room. The technician in charge could give no explanation of why a fuse box can perform the function of a radio receiver. Can you tell why this strange thing happened?"

Your query is very interesting as it brings to light many of the peculiar phenomena not in the usual practice of the radio Engineer.

The lighting system undoubtedly furnishes adequate pickup for the signal wave of the transmitter. Some part of the line must be looped rather than doubled in some way so that high frequency flows in the lighting line. Now, if a half-wave rectifier is on the line anywhere it will make the impedance-to-current one way greater than the other way, whether it is on the other side of a transformer or not. Undoubtedly there are a number of such rectifiers in connection with this system. Although complete rectification is not obtained, the effect of an inefficient rectifier is indicated because more current must flow one way than the other, as the modulated carrier envelope is symmetrical.

Being of iron or magnetic material, the cover of the fuse box can quite well act as a diaphragm and respond to the magnetic field of the voice current thus flowing in the power lines.

Fred Stone, writing from Kintnersville, Pennsylvania, states: "My Victor R-32 has just had new tubes and an inspection, yet it is always blurred. It seems worse at ten o'clock at night. At some times it blasts in, and when it does this it has a tinny sound as if the singer were too close to the microphone."

Check, and if necessary clean thoroughly the contact points on the switch used for changeover to phonograph, in the detector plate circuit.

Check the grid leak and try a new one (2-meg.) as well as the grid and plate condensers of the detector circuit. Give all of the audio resistors a test under load conditions, that is with the full voltage applied to them. These units will affect the bias and fidelity of the receiver in the manner suggested in your letter.

These precautions will undoubtedly remedy the trouble.

From San Francisco, California, comes the complaint of Ashley Walcott. He writes: "When a neighbor tunes his Philco model 60 B, to KPO, 680 Kcs., my Philco 16 B, only 30 feet away, brings in something on 1140 Kcs. It is as loud as a local station, but sounds like a bad hum. When this neighbor tunes to other stations it also spoils my reception on certain other stations. Why is this?"

It appears that your trouble is due to reception of image frequencies. When one set is tuned to 680 Kc. with an intermediate frequency of 230 Kc. the oscillator is producing a frequency of 680 plus 230, or 910 Kc.

This is a strong continuous wave at 910 Kc. Being so close to the

other set tuned to 1140 Kc. it forces its way into the pretuner and forms a beat frequency of 230 Kc. (1140 minus 230 equals 910) which evidently is the intermediate frequency of this set as well.

The fact that this trouble occurs only at these two settings of the receivers may indicate that a wave filter is used preventing its occurrence at other settings.

Various heterodyne combinations with outside signals would be possible with this set-up as well. They all can be identified by adding and subtracting various frequencies with the I. F. of the sets.

### **Resonance Tuning Meter**

Mr. A. F. Lucas, of Canton, Ohio, has a Majestic model 85 receiver. He believes a tuning meter will assist him, and asks: "I would like to have a resonance tuning meter added to this broadcast set, and what I wish to know is what value of millimeter in M. A. is best suited for my set. Where should the meter be connected to work the best?"

We believe that the plate supply leads for the type 58-s, r-f and i-f tubes are common. Break the connection from this common lead to the high voltage and insert a DC O-20 Ma. meter.

It is a good plan to mount the meter inverted so that the needle will swing to the right in proportion to the signal strength being received. Once the set is turned on, the needle will swing almost all of the way over to the left. Then when a station is received it will swing to the right because of "reduced" current.

If you wish to get the adjustment at the exact right end of the meter range get a O-5 or O-10 Ma. DC meter and place a variable resistance of 1,000 ohms across it, adjusting it to exactly maximum for no signal. Maximum current is referred to here. In this way the meter may be recalibrated for each new tube that may

be used in these circuits or for gradual loss of emission of your present tubes.

### **S W On Radiola 20**

Among our many readers who wish to convert their broadcast sets so as to receive short waves is D. S. Hodgson, who, like a number of writers, failed to give his address. Says Mr. Hodgson: "I have a Radiola 20 and wish you would give specific information for changing the coils and condensers so as to get short waves; also for tapping the coils for all-wave reception."

The conversion of the Radiola 20 is not recommended because of the design. An equal number of turns must be taken off of each end of each tuned coil, and a new primary coil must be built for each r-f transformer. Removing turns will not do the trick satisfactorily. A new tickler coil must be wound by cut and try methods and some form of regeneration control must be employed. Rather than dismantle the tuning condensers, series capacity units may be employed to reduce the total capacity. Series parallel combinations may be most effectively used. Shielding must be constructed for each coil and this is a most difficult job for this receiver. It is far better to use new coils for this purpose than to try to adapt the old ones.

Tapping the coil would be inefficient. If the set is in good working condition, a self-powered short wave converter might be successfully used in this connection. Power supply may be obtained from the same batteries used for the Radiola 20. This can be done without making any changes in the Radiola circuit whatever.

### **Where Is The Tube?**

From Edwin L. Anderson, in South Orange, New Jersey, comes this inquiry: "I have a Music Master midget set and on its chassis there is a hole for another tube. I

think that by adding another tube I can get better volume and more stations. Can you advise me about this mysterious tube socket?"

While we can find no immediate information on this receiver we think the following will help. For one thing the filaments of the tubes will be in series in a circuit of this kind, and in addition to this if one tube in a receiver of this kind is removed, the signal circuit would be broken. When so few tubes are employed, especially in a universal set, which this one probably is, all of them form a vital function. Any one removed without changing the wiring otherwise will completely destroy reception.

One additional tube might possibly have been used for a push-pull output but this is barely likely as such sets are not designed in this way. Furthermore filament wiring changes would be necessary to use only one tube.

There is a possibility that the extra socket may be for connection of a universal power cord, an additional speaker, a field coil, or for some other purpose than a tube. It may be for a pickup connection or a microphone. Or this circuit might have been changed completely, leaving a tube out of the socket.

#### Aligning The RCA 141

A mechanical problem is giving concern to Mr. E. Limon, of the S. S. San Ricardo, now somewhere at sea. He states. "I have an RCA model 141 that is out of alignment in the I.F. circuit. Can the alignment that is on top of the chassis be made with an oscillator only or must I use an output meter together with the oscillator? Must both the primary and secondary I. F. stages be tuned to 445 Kcs?"

It is rarely ever necessary to use an output meter in connection with alignment work when the speaker is used with the set and especially when the oscillator is modulated.

For precision or laboratory work the output meter is necessary, but not otherwise.

When making preliminary adjustments, both primary and secondary windings of the I.F. transformers should be tuned to 445 Kc. if that is the I.F. in this case. However, if the signals are distorted (by reason of lack of high frequencies) or if each station is accompanied by a disagreeable hiss on resonance, the adjustment is too sharp and one or two of the circuits should be tuned 5 Kc. off resonance. This is rarely necessary in any but a new set.

Oscillation will sometimes result from over-correct alignment, as this is called, and the stages have to be "staggered" as above explained to overcome the difficulty.

#### The Pre-Amplifier

Among those who like to experiment with new schemes is Milo Smith, of Painesville, Ohio. "I built the one-tube pre-amplifier that was described in Radex. I get image frequencies and not so much power or selectivity," writes Mr. Smith. "My set is a 1934 Stewart Warner 10-tube model R 110 A. What else can you suggest that might help?"

Of primary importance in this connection is shielding. The power leads to the pre-amplifier may carry outside signals as well as other items in the circuit. Do not overlook them. By-passing as well as shielding is necessary.

Be sure that the pre-amplifier tuned circuit is definitely contributing to the selectivity of the receiver as well as to the pickup of it. If it does not, it will cause considerable trouble with image frequencies and other noises.

Perhaps you have taken the power from the wrong terminal in the set. It must be taken from the supply before it leads through the tube plate load or it will show the effects you

*(Continued on page 46)*

# The New York Radio Show

••• By R. H. TOMLINSON

RECALLING the glamour of other years, when radio shows were to be discussed for weeks afterwards, the recent National Electrical and Radio Exposition at the Grand Central Palace in New York was a distinct disappointment. Surrounded by oil burners, air conditioning equipment and various domestic appliances, some twenty radio exhibitors tried hard to uphold the old name *Radio Show* and succeeded rather poorly.

To the old time DXer, the show was a complete bust. No longer was it possible to browse around and pick up a basket full of price lists and booklets. The scores of exhibits of parts for the builder and DXer were not to be seen. No "sample" grid leaks or phone plugs could be picked up when a salesman wasn't looking!

Except for the public address system and the outlets from several NBC studios, the show was a silent one. Visitors wishing to hear a new model in actual operation could take their choice of walking three or four blocks to the nearest radio store or exercising their imaginations while tuning a dead set.

The keynote of the show was world-wide reception. Climaxing the yearly series of goals for which the listener may twirl a dial, all manufacturers have taken advantage of the magic of short waves to make a globe-trotter out of a stay-at-home dial twister. With the exception of a few small AC-DC models and the line of auto radios, all of the models covered some portion of the short wave spectrum. A few of the larger receivers go down as far as four and five meters, while others have added an extra band for the long waves between 140 and 400 kcy.

However, as no demonstrations

were given, nothing can be said about actual reception either on short or long waves.

First in listener importance was the almost universal appearance of the new metal tubes. With only one exception, every new receiver provides for the use of these tubes, or their glass counter-parts, at least in the RF and IF stages and often throughout the set. Upon seeing these little black "knobs" for the first time, the average listener wants to know "if these dang little things work as well as the glass tubes." According to the manufacturers, they do. Time alone will tell.

Cabinets came in for their share of attention. The console type was more in evidence than during the past few years and it is a relief to note that they have lost their cumbersome, clumsy appearance and are now slim creations with an eye towards conservative modernism.

One outstanding console was the Sparton *Nocturne*, created by Walter Teague, the industrial designer. The receiver was mounted behind a cabinet face of mirror glass in either rose or midnight blue. The metal work supporting the glass, the dial and the knobs were of chrome-plated steel.

Dials have been designed to provide ease and accuracy of tuning. Tiny needles move across the faces of the micro-selector scales to indicate the position of foreign stations. Various means of showing the tuning band in use have been devised. RCA Victor and General Electric bring a new scale into view with every band. Philco throws a tiny spotlight on the proper dial divisions, while other manufacturers use a system of colored lights.

Zenith's mammoth magna-vision dial

was easily the hit of the show. With an ebony background on which the pointers, divisions and figures appear translucent white, the largest dial was about eleven inches in diameter and the smaller ones were twice as big as the average airplane type.

High fidelity is being stressed by several manufacturers. The 1936 models run up to as high as 25 tubes, with from six to ten in the audio end alone. Some of the larger consoles feature three speakers in the attempt to provide the finest possible response over the entire audio frequency range.

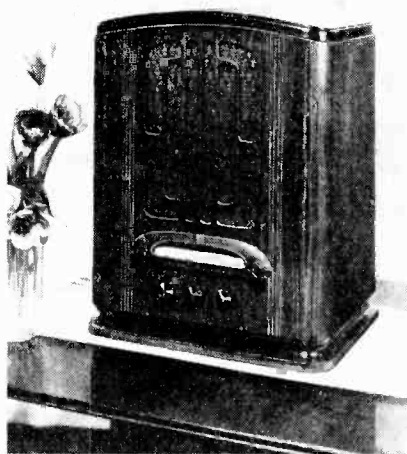
Manufacturers once again resort to catchy names for fundamental elements of a circuit. RCA Victor carries over from last year its "Magic Brain"—the station selector comprising all coils, except the IF, with the padders and trimmers—and introduces the "Magic Eye." This is a small cathode ray tube, the end of which projects through the front of the set above the dial. The tube glows green when the set is in operation and a black "retina" of the eye thins to a narrow strip when a station has been tuned in. "on the nose." This, of course, is just another form of the familiar tuning meter, although it is so sensitive that it will react to the weakest signals. The same device is available on Lafayette models and may also be purchased in a unit for installation in other receivers.

Several of the new RCA Victor models range from 5 to 2150 meters, with the exception of a skip from 530 to 400 keys where the IF stages are tuned and where few stations are found. Twenty-eight models are available for the listener, with the ten-tube table model suggested as an excellent receiver for the DXer.

Zenith is showing twenty-one new models. In addition to the previously-mentioned over-size dials, this manufacturer offers a black ebony finish on all models at a slight ad-

ditional cost. Best bets for the attention of the DXer are the Model 9-S-30, a nine-tube, five-band table set, and the Model 12-A-57, a 12-tube, six-band console job. Listeners will be surprised at the prices of these sets.

The Zenith farm set with its own power supply was the only one of its kind shown and should bid for popularity in urban as well as rural sections. A unit called the Win-charger is mounted on top of the house where the set is to be used. This is a small generator, driven by an airplane type propeller coupled to its shaft, which keeps the storage battery charged at all times. No B or C batteries are required with these receivers, all power being derived from the single battery. The line comprises two 6-tube super-heterodynes, tuning from 550 to 23-



*The General Electric A-82—a four-band table model with tuning range embracing all standard broadcast frequencies as well as foreign s.w., police and amateur signals. Has extra longwave band on which weather and aircraft signals are heard. Uses new metal tubes.*



000 keys, and two 4-tube TRF models covering from 550 to 1800 keys.

Philco presents forty-five different models ranging in price from \$20 to \$600. Points of interest in this line include Acoustic Clarifiers—which eliminate the booming low notes — over - sized high - fidelity speakers and the familiar, inclined, sounding boards. No metal tubes are used in any of the new models.

Philco also offers a new type all-wave aerial, their own high-efficiency tubes and a built-in automatic aerial selector.

Atwater Kent advances what they term *Control Room Reception*, claiming tone quality equal to that heard by the operators in the control room in the studios. Twelve models feature metal tubes, extra large speakers and a special audio system. Best DX bets seem to be the Model 335, a 7-tube, all-wave table model, and the Model 810, a 10-tube, all-wave console.

Stromberg Carlson uses a newly-discovered leather on the vibrating cone of their speakers. This is called *Carpinchoe* and is said to be non-hardening. A series of built-in baffles surrounds the speaker of the new models and is claimed to eliminate the boom on low notes, cut the vibration from cabinet resonance and allow the sound to come from the front of the set only. An accurately-calibrated, easily-read airplane dial on all models should appeal to the DXer.

General Electric advances several new features on their receivers for 1936. Projection welding on their stabilized dynamic speakers is supposed to eliminate all rattles and vibrations. The *Sentry Box*, a unit similar to the Magic Brain of RCA Victor, houses the coils and switches. A new dial scale, called *Rule Tuning*, is very easy to use. Possibly the best bet from a DXer's standpoint is the A82, an 8-tube table model, covering frequencies between 140 and 19,500 keys.



*Zenith 9-S-30—a nine-tube superheterodyne with tuning range of five wave bands on three dial ranges. Magnification dial with bands individually illuminated in colors. Split second tuning.*

Fada, with fourteen new models, has some nice DX receivers in their 9-tube console models 190C and 192C as well as the 191T, a 9-tube table model. New features are micrometer tuning, automatic tone regulator and high fidelity speakers.

Stewart-Warner is showing fourteen models under the name of *Ferrodyne Radios*. Metal tubes are used throughout. Built-in line filters, eliminating AC line noise, are additional features.

American-Bosch offers twelve models, featuring the *Centromatic*, still another name for the Magic Brain and Sentry Box idea. Best DX bet is probably the 585Y, a 9-tube table model which covers frequencies between 150 and 18,000 keys.

Pilot—shades of the old Super Wasp! —is showing twelve models with their *Phoramatic* Radio-Phonograph combination taking honors for a set of this type. The real DX job in this line is the Model 364, a 12-tube table

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# A New Season Under Way

• • • By CARLETON LORD

ON THE evening of December 8, 1927, nearly three-score radio enthusiasts, attracted by a mutual interest in long distance reception, gathered in the editorial rooms of the Newark Evening News. Out of this informal meeting emerged the first organization of its kind, the Newark News Radio Club, with an initial charter membership of fifty-five.

The activities of the NNRC since its inception eight years ago are well known in radio circles. Many of the outstanding aids to the DXer were conceived and sponsored by the NNRC, with the idea of the courtesy program ranking first in the line of achievements. To the officers and members of this pioneer society can be given much of the credit for bringing the art of DXing to its present high standard.

And so, on the eighth anniversary of its organization, we feel privileged to dedicate this issue of RADEX to the Newark News Radio Club, to its efficient officers and to its two thousand members.

In celebration of this anniversary, we offer short articles by prominent officers and members. The work of the Courtesy Programs Committee is described by Chairman Louis Hahn and a few of his able committeemen. Directors Lloyd Hahn and Arthur Foerster tell of the activities of the Baltimore and Indiana chapters. Personal observations by Henry T. Tyn-dall, Jr., whose record of 1264 verified stations on the broadcast band will withstand a lot of challenging, offers tips to neophytes and old-timers alike. Robert Base of the Baltimore Boosters follows up the recent interest in recording with an account of his own experiences with this angle of radio. Charlotte Geer,

radio columnist of the Newark Evening News, comments on the original club idea of which she was a sponsor.

## To Buy or Not to Buy

At the start of a new season, most DXers look longingly at the latest model receivers and wish that the old budget would approve an investment in better reception. While many of us have to be content with "fixin' up" the old set for another year, those who can think in terms of new equipment will be interested in R. H. Tomlinson's report on the New York Radio Show. Himself a DXer of no mean ability, Mr. Tomlinson viewed the show from the standpoint of a midnight marauder and points out models which should suit the standards and the purse of the average long distance listener.

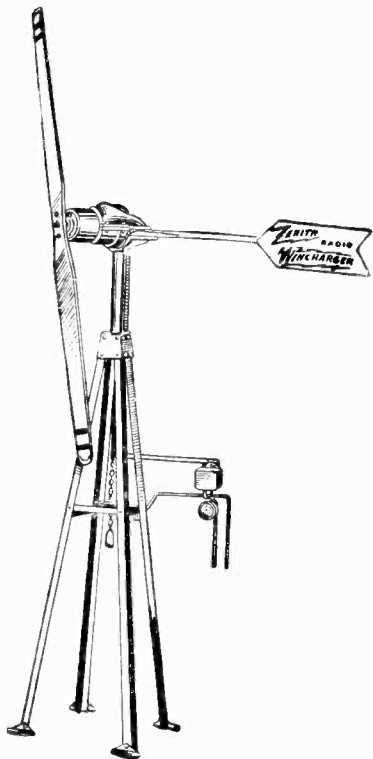
Despite regular publication ofreams of copy on the subject of reports to stations, this angle of DXing continues to provide food for thought for many listeners. Certainly the topic is all important, and undoubtedly many cases of non-reply by a broadcaster can be traced to a poor report.

"In your October issue," observes William H. Ansell, 168 Wascana street North, Regina, Sask., "a reader laments on not having received a verification from 1YA, although he states that he sent them a good report containing a lot of dope. While I am not trying to pass any reflection on the type of reports which this reader sends out, I have read carbon copies of reports sent by many other DXers and it is a mystery to me that some stations do verify the flimsy, unintelligible information which they receive at times. Many reports are all jumbled up, while

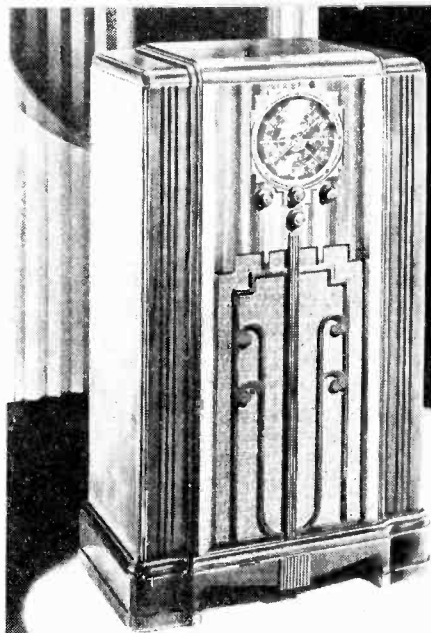
others fail to include the reception data which engineers always welcome.

### Ample Information Essential

"From my own experience, I have found that the Aussies and Zedders are pleased to verify accurate reports, and the confirmations are always mailed promptly. If the listener remembers to include information on the receiver, aerial and ground used, the modulation and quality of the signal heard, fading, static, interference, weather conditions, R and QSA codes—and does not forget the



The Zenith "Wincharger" with airplane-type propeller driving a small generator which keeps batteries fully charged. Uses one combination battery only—no B and C batteries required.



Zenith Farm Model 6V-62—a six-tube super-heterodyne, 550 to 23,000 kcs. Five wave bands each illuminated in different colors. Magnavision dial. This model is for use with the Zenith "Wincharger."

return postage—he should have little trouble with the stations in the Antipodes.

"Even the Japs are not overly hard to verify. Listeners who are able to hear these stations should report the programs exactly as heard. While Japanese programs are, of course, in the majority, occasionally the stations transmit English-Japanese language lessons as well as fine programs in English. All Japs announce their call letters very slowly in English at their sign-off (from 0730 to 0815 EST). I have been able to verify 27 Japs, and they certainly send out a wonderful QSL card."

### About Australia

"So far this season, I have reported to a few Australians," advises Charles H. Hesterman, 2214 Herman Ave., Saskatoon, Sask. "They are all old-timers, with the exception of the new 7NT at Kelso, Tasmania.

This newcomer is the best of the Aussies so far, coming in at a peak between 0515 MST and daybreak. 2BL is a close second, but the plum goes to 7NT so far. One great thing I have noticed with 7NT is the fact that they give frequent announcements of call, location, and even the correct time. The latter item, of course, makes wonderful material for a verification.

"The failure of Australian stations in the past to announce call letters made it difficult to identify a station, especially since I am upholding the old idea of hearing 'A set of call letters before reporting.' This innovation on the part of 7NT will, I hope, be followed by all or most of the other Aussies. I have written to many of the older Australian stations, asking if they could announce the call and location more frequently, and while some were not interested and failed to reply, others promised that the matter would be given every consideration. The adoption of such a policy would help the newcomer to the DX field more than the old-timer, since many of us can identify an Aussie by the peculiarities of the announcer."

"From January to October of this year," informs Oliver Amlie, 56th and City Line Ave., Philadelphia, Pa., "I have completed 243 reports on transmissions from VK2ME-3ME-3LR, and I hope to have 365 by the end of the year. All of these reports were made on a receiver of my own design, the Amlie Three-Tube DXer, which will be on the market after the first of the year."

#### Counts His Mileage

"I have 627 stations on the BCB, with 574 verified," comments Nicholas J. Hock, *The Scientific DXer*, 20 Burnet St., Newark, N. J. "Of the latter, sixty-one are 2000-milers. My mileage on verified stations totals 487,711, or an average of 849.6 miles per station." Bro.

Hock seems to be the first reader in some time who has gone in for statistics so thoroughly, so he may be able to appreciate the meaning of these figures: verified—887; 2000-milers—121; total mileage—916,452; average mileage—1033.2. Welcome to the Analytical Club, Nick; we talk a common language!

"Reception hasn't been so hot out this way," bemoans Earl R. Roberts, 2308 Roosevelt Ave., Indianapolis, Ind., "as I'm still using the 8-tube superhet I bought back in 1926. Had the tubes tested for a change and found that two were good, three were poor and three were bad. Despite this, I picked up five new ones in a single morning, and that isn't so bad when your log has reached 1000 on the BCB. Haven't heard any T. P.'s so far and don't have much hope."

#### The CDXR Cards

"Since you quoted me on our CDXR verification cards," precludes Elwin H. Bullard, P. O. Box 170, Drummondville, Que., "I have received many letters containing orders for a supply of these cards. However, I have been obliged to reply that the cards were for sale only to CDXR members. The latest card which we have brought out, is a "Thank-You" form. These are supplied free of charge to all CDXR members and are to be used in thanking stations which have put on special programs for us. No request for verification is made, the purpose being merely to show our appreciation to the broadcasters who have honored our organization with a dedicatory program."

"Have any of your readers constructed the Browning 35 receiver?" queries M. Dean Miller, 7 East Exchange St., Akron, Ohio. "I have been looking for letters about the set and feel that there must be someone who can tell how good it is. While I should like to invest in a fine set like the Scott, I may buy a new

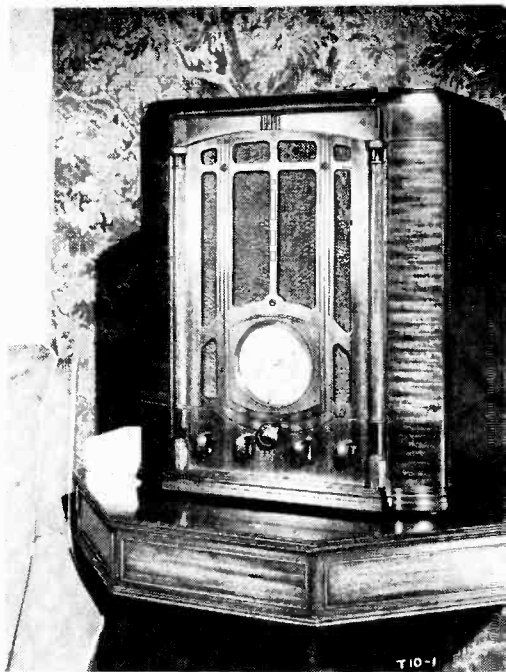
house soon and can't afford both."

### Foreign Reception

An unsigned letter from a Hamilton, Ohio, reader raises the old question of the possibility of foreign reception. Addressed to our "Information Department," the letter reads: "According to a recent issue of your magazine, such European stations as Breslau, Brussels and Droitwich are received in this country. Radio dealers here in town inform me that it is impossible to get through local stations, so it is apparent that someone is all wet. Anyhow, I note that the Lafayette radio advertisements mention European broadcasts and I am wondering what reliable, medium-priced receiver will guarantee American broadcast reception (540 to 1500 keys) as well as European broadcast and foreign short wave stations."

In view of the mention of Breslau and Brussels (medium-wave stations) and Droitwich (a long-waver), it is just possible that this reader may have been confused by the term, "European broadcast." As most listeners are aware, there are short wave stations in both America and Europe. However, while the term "broadcast band" refers to the frequencies between 540 and 1550 keys in this country, it has no significance in Europe where there are medium-wave and long-wave stations, both of which might be so termed.

Consequently, while a manufacturer would be safe in guaranteeing foreign short wave reception, he would hardly dare include the medium and long wave stations in the warranty. While his receiver might cover wave lengths between 1000 and 2000 meters, very few listeners in this country have ever been successful in hearing European stations in that band. And, while favorable conditions will make it possible to hear the more powerful medium-wave stations, here again it



*The RCA Victor "Magic Brain" T10-1—a ten-tube, three-band superheterodyne using the new metal tubes. It covers 540 to 18,000 kilocycles, has a colorband dial which illuminates band in use, bandspreader with a different color for each tuning scale, colorband switch, 50:1 and 10:1 vernier tuning, full A.V.C., continuous tone control, music-speech control, automatic tone compensation.*

would be foolish to guarantee such reception.

According to the latest catalog of the Wholesale Radio Service Co., four of their Lafayette models provide coverage of the long wave bands. Special European models of six and seven tube receivers cover the 910-2140 meter band, while standard six and twenty-four tube receivers will tune between 850 and 2000 meters.

### Wants the News

"As newspapers are received only eight times a month up here," greets Malcolm C. Macdonald, McLennan, Alta., "I depend a great deal on radio for news and entertainment. We are approximately 200 miles northwest of Edmonton and, since

the winters are long, reception is good. KSL and WOAI are my standbys throughout the year, although it is puzzling to note that the latter, which is more than 2000 miles distant, should be a regular. Other good stations are KPO, KOA, KFL, KNX, KJR, KEX, KHQ, and CFCN, while there are many others which are well received during the long winter.

"From October to March, it is possible to hear western U. S. A. stations throughout the day. Oddly enough, while my reception extends well south and west, I don't go far east—usually stopping at Chicago and St. Louis in the States and Port Arthur in Canada. Another peculiar thing is that CKY, 800 miles from here, is drowned out most of the time by XEAW, three times as far away. It is a great puzzle to read the reports of foreign reception on the broadcast band when I have been unable to go beyond the 3000-mile mark on my 8-tube General Electric receiver. I shall never be satisfied until I can do this too."

Another DXer who is still awaiting the thrill of hearing his first foreigner is John B. Grund, Box 456, Hillsboro, N. H. "Although I started my log in September, 1934, and now have 468 stations heard," he laments, "I've been unable to hear any foreigners. My best catches are HJN, KWG, KIDW, 10AK, KGEK, KGFK and KJPM, but I'm still hoping to pick up a T.A. or a T.P. I often wonder if there are any other DXers in New Hampshire besides Bob Wood and myself. If there are, and I feel quite certain that there must be, I'd like to get in touch with them."

### Chit Chat

"As you probably know," offers H. H. Searles, 351 Broadway, Rochester, N. Y., "we are going to have a new station up here. The Brown Radio Service and Laboratory has been granted permission to erect

a 100-watt station and they will probably be testing early in December. Their studios are in the Temple Building. My log now stands at 615 heard and 497 verified. Of the latter my best are Poste Parisien, Fecamp, CT1GL, LR5, YV1RC, YV3BC, TGW, HHK, XEWZ, VE9EK, CPX and KGW."

"A letter from Doctor Brinkley to the NNRC tells about his policy in regard to reports from DXers," informs Eric Butcher, Cokeville, Wyo. "He writes: 'If my station affords entertainment, I am glad of it, but please tell your friends that we will *not* verify reception. Any money you may send to Mexican stations will be confiscated by the Mexican customs officials.'"

In reply to our questionnaire this summer, XEAW stated that reports which contained a stamped, addressed envelope *would* be confirmed.

"The new station at Hibbing, Minn., WMFG, tells me that their frequency check will be held between 5:50 and 6:10 AM, EST, the first Friday of each month," supplies Mrs. Clive Johnson, Henry, S. D. "Incidentally, why not follow up the vote on whether readers wanted pictures of the stars and find out how many like the pretty girls on your cover? They hardly go with a radio magazine, do you think? When I buy a magazine on the newsstands and want some wild-west stories, for example, I look for something about the west—not a picture of a streamlined car, a necklace or the latest in dishrags!"

"Well, I started off the new DX season on September 1st with a new 5-tube Lafayette receiver," admits Manuel A. Cadilla, Box 337, San Juan, P. R. "Also, I stuck up a new aerial which is 135 feet long and slopes from 45 feet high at the far end to 35 feet at the house. During the first week, I logged 13 new stations, but was stopped by the complaint of an old-lady neighbor who

didn't like the noise. As it wasn't worth the trouble to fight it out with her, I won't resume DXing until the arrival of the headphones which I ordered from you."

Judging from more or less recent reports, the forecast of poor reception this winter seems to have been justified so far. While we hope that the official prognosticator was wrong and that conditions will soon pick up, we've got to admit that he got off to a good start. Consider the following general reports:

"This is absolutely the rottenest season I've ever put in. Not one new foreigner so far, just a few locals and lots of static." S. R. Lewis, Rt. No. 3, Box 680, Toledo, Ohio.

"STATIC was R9 plus in Goderich Sunday and signals R2 in comparison." Fred Bisset in CDXR bulletin of October 16th.

"Reception continued poor during the past week and many of our specials were not heard due to severe static." R. H. Weaver in NRC bulletin of October 23rd.

#### Radio Clubs Attention

"Please send information on some good DX club," requests Walter R. McDonald, Box 401, Blackfoot, Idaho. "I am purchasing a new 10-tube all-wave RCA receiver, so I would like to participate in the interesting hobby of DXing in a manner which will bring the greatest enjoyment and success. I have read so much on the right and wrong methods that I don't want to be disappointed by getting off on the wrong foot."

"Two years ago I bought a 6-tube Philco 89L," recalls H. A. Turner, 263 St. Clair St., Bridgeville, Pa., "and have logged a total of 712 stations. I start a new log with each new receiver, so the total isn't as high as it might be. However, I have found the set very sensitive and selective, and I am able to pull in the 100-watters on the west coast most

any fair night. I only attempt to verify the better catches and am rather proud of CX26, LR5, CT1GL, XES, CJLS, HHK and a number of small stations in the United States. Only four stations have refused to verify for me, although I waited six months for one broadcaster to come through with my confirmation."

"DX has been slow here," confesses Clarence Merkel, Jr., 622½ No. Seventh St., Quincy, Ill., "but I have increased my log to 750 stations heard with 310 verified. Recently I revamped my Crosley and am looking forward to a banner DX season."

"Last March I received a verification card from JOCK at Nagoya, Japan," relates Ashley Walcott, 76 San Rafael Way, San Francisco, Cal. "While my report was on their 1175 keys station JOCK2, their printed card read: 'in reply to your letter of recent date, picking up our station, we are pleased to verify that your reception is correct.' The heading on the card gave the frequency and power of the No. 1 and No. 2 stations and there was no specification as to which transmitter was being verified. Now, would you consider this a verification of JOCK2, or is it unfortunately invalid?"

#### Canadian Programs

"The CRC networks certainly are run on a very complicated system," maintains Jack McLaren, 515 Rathgar Ave., Winnipeg, Man. "Regular Sunday programs start on the *National Network* at 5:00 PM, EST, and continue until 11:00 PM, at which time the *National Network* goes to bed and programs continue on the *Western Network* until 12:30 AM. Then, this net goes to bed and the *British Columbia Network* carries on. On weekdays, we find the eastern network commencing at 5:30 PM, EST. At 7:30, the *Midwest Network*—a minor hook-up extending from Winnipeg to Lethbridge—is added and the two work to-

gether until 8:30, at which time the national, coast-to-coast system is brought into play. At 10:30, the eastern group of stations drops out, leaving the *Mid-East Network*—another minor group taking in the territory between New Carlisle, Que., and Fort William, Ont.—and the western groups. At 11:00, only the western and British Columbia networks are left, with the former going to bed at 12:30. Of course, the whole idea is to build up westwards and die down in the east, but it must be a headache for the program director. Occasionally during the evening, a special program may be routed over the *French Network* in Quebec or the *Maritime Network* in Nova Scotia, Prince Edward Island and New Brunswick."

"No one is interested in a long, detailed report of a manufacturer on his radios," avows C. H. Skatzes, Delaware, Ohio. "What we want is the comparison of different receivers in side-by-side reception tests under varying conditions. That would be *news*. If the manufacturer is selling his set with his own sales talk, he should use the advertising section."

While we believe that it would be impossible to stage a side-by-side competitive test of a number of receivers, we have offered our facilities to any manufacturer who wishes an unbiased report on his product. When we consider the varying tastes of the average person, it seems unlikely that any receiver can appeal to every listener. However, we are willing to use different models in actual DX work and report on our findings as to sensitivity, selectivity, noise level and the other vital characteristics of a receiver for long distance work. Our offer has been printed before and is now made again. The rest is up to the manufacturers.

"I am compiling the history of every existing and disbanded DX club in the country," points out B. L. Ahman, 3313 Westerwald Ave., Bal-

timore, Md., "and would appreciate information of the following organizations: The Philadelphia DX Combine, Flatbush DX Club, Lake Shore Radio Club, R9 Listeners League, Philadelphia Radio Club, Wauwatosa DX League, Toronto Evening Telegram Radio Club, Rochester DX Club, Southern States Radio Club, International Broadcasting Club and the International Radio Society. I should like to hear from any readers who may know anything about these or other disbanded radio clubs."

## The Editor's Corner

**I**N THIS issue we are again presenting the lists of the foreign broadcasting stations on the broadcast band. These have been brought up to date and considerably amplified through the kindness of many readers in foreign lands. Apropos of this we quote from a letter received from a reader whom we shall protect with anonymity: "These letters you publish claiming to receive the stations in Europe, Australia, Japan, etc., are 'the bunk.' On the short waves, maybe, but not on the broadcast band. I have tried to tune them in hundreds of times and have never had so much as a peep from one of them. I do not hesitate to state that it is absolutely impossible to receive these stations across the oceans in North America between 550 and 1500 kcs."

We receive lots of letters complaining of inability to tune in the foreign stations but never one of so positive a nature. We will admit that tuning in a foreign station clearly is something to write home about but it is being done every night of the year somewhere on this continent. It requires a good set, a good location, lots of patience and persistence, and a knowledge of just where and when to tune. Study the lists published in this magazine, note the times given and convert them into the time of your



own zone (Adv. The RADEX Time Converter does this for you) and, if at first you don't succeed—you know the rest.

Those who are particularly interested in the European stations should read the article with the accompanying data which we published in the October issue entitled "Tuning the Foreigners" with a list "Europeans Worth Trying For." (Adv. Back issues 25c each)

#### Time on the Air

In the Index by Frequencies this month will be found the hours each station is on the air from Monday to Friday inclusive. Saturday's time was published in the November issue and Sunday's in October. Those hours marked with an asterisk indicate that they are the same for Saturday also.

In the January issue, the Short Wave Stations of the World will again appear with constantly increasing data. Several readers have requested that we again publish a consolidated list of all broadcasting stations, both North American and foreign, in a single list. Possibly this may appear in February. How many want it?

We want clear and interesting photographs of radio stations in foreign lands. We will appreciate it if our readers will send us any they may have in their collections. Mark name and address clearly on back and the photos will be returned.

Miguel A. Rivera, P. O. Box 480, Hong Kong, China, sends us some late news concerning stations in China, Japan and other Far East countries. Miguel is a native of Peru now residing in Hong Kong. He would like to correspond with any DXer of about seventeen years of age.

We are informed that the Ekko Company is still prepared to furnish individual station Ekko stamps upon receipt of ten cents and a clear verification from any station. Their address is P. O. Box 295, Ravinia, Illinois.

#### About the Stations

Page Taylor informs us that a new Colombian law requires that the power

of all shortwave broadcasting stations must be in excess of 500 watts. All stations using less power must move to the broadcast band. He therefore turns over to the b. c. department, Station HJ5ABE, Cali, Colombia, which will move to 1500 kcs. this month.

This month we list the first broadcasting station from the Isthmus—HP5O of Colon, Panama, on 1440 kcs. with 25 watts. It is RCA-equipped, crystal-controlled, and is located on the roof of the Colon postoffice building. The antenna rises 75 feet above the building or 135 feet above sea level.

Radio Station WAML, Laurel, Miss., advises us that they returned to the air on October 16th after an absence of nearly six months. We are reinstating this station in our lists.

Mrs. J. L. Bush, manager of W.D.Z. Tuscola, Ill., writes us that they will not be able to complete the construction of their new 250-watt transmitter before the first of January.

KFBK, Sacramento, Calif., expects to be on the air with 5000 watts sometime around the first of December, according to Howard Lane, Business Manager.

The FCC records deleted WBHS, Huntsville, Ala., several months ago but we notice the station mentioned in a recent report which would indicate that it is still on the air. Can any of our readers enlighten us?

We wish for all of our readers a Very Merry Christmas and a Happy New Year.

## The Frequency Charts

THE diagram which follows is one of a series which began in our May, 1935, issue and which will be concluded in a subsequent number. The complete set of these charts will give in diagrammatic form a picture of the allocation of frequencies to various radio services. These charts should be saved and mounted as they will be of great assistance in tuning, particularly in the short wave field.

# IDA Contest Winners

THE 1934-1935 Randolph IDA DX Trophy Contest is over and the winners will be announced in the November "Globe Circler," as follows:

J. L. Sullivan, Cambridge, N. Z., the Grand Award with a total of 8841 points.

Chas. Hesterman, Saskatoon, Sask., Second Grand Award with 7259 points.

William Keighley, Walton, Carn Towan, Sennen, S. O., Cornwall, England, Third Grand Award with 5445 points.

Warren Reichardt, 6 Woodward Ave., Reading, Mass., fourth place with 5270.

Leo A. J. DeRoo, Lanikau, Oahu, Hawaii, fifth with 5177.

Irwin Beitman, Elyria, Ohio, sixth with 3794.

R. T. Coales, Southsea, England, seventh with 3140.

R. Stansfield, Ripley, Woking, England, eighth with 2780.

A. C. Lyell, Johannesburg, South Africa, ninth with 2775.

Howard Eck, East Lansing, Mich., tenth with 2711.

Randolph Hunt, Encinitas, Calif., (sponsor of the contest) eleventh with 2202.

Ray Swenson, Rockford, Ill., twelfth with 2093.

R. H. Tomlinson, Port Chester, N. Y., thirteenth with 2015.

Fred Crowder, Hull, England, fourteenth with 2015.

To Mr. Sullivan goes the Grand Victory Trophy which is forty inches high and constructed of 24-karat gold and silver sterling parts. The base is ebonized hardwood. The Trophy represents the World surmounted by a victory figure. The IDA is indebted to Randolph Hunt for this exquisite and expensive Trophy.

13990 - 16620	16640 - 20125	20140 - 23125
P-P to 13990	16640	P-P 20140
to 14005	16680	Gov. 20150
to 14110	R 16720	20160
to 14395	16740	F-P to 20170
to 14410	CTG 16740	Gov. 20175
to 14995	16800	20240
to 15010	Gov. 4 16820	P-P to 20380
15085	CTG 16840	Gov. 20400
15100	16970	20470
15115	CTG 16960	Point to Point
15130	Gov. 3 16970	to 21020
15145	CTG 16960	Gov. 21025
15340	Gov. 3 17000	21040
15355	CTG 17040	Point to Point
16015	17080	to 21440
16020	17170	Gov. 21460
16030	P 17140	E 21480
16045	P 17160	Gov. 21500
16060	17180	R 21520
16075	17200	E 21540
16080	17220	21575
16090	P-P 17280	to 21900
16100	E 17300	Gov. 21925
16105	E 17320	E 21950
16120	P-P 17340	E 21975
16135	17360	S 22000
16165	P-P 17400	E 22050
16180	17460	STG 22075
16195	17500	STG 22100
16225	P-P 17520	to 22150
16255	Gov. 17540	Gov. 22175
16285	17560	R 22200
16300	17580	P 22225
16315	17600	R 22250
16320	17680	22275
16330	P-P 17700	CTG to (7)
16340	17720	22550
16345	17740	Gov. 22575
16390	17760	CTG 22600
16405	RE 17800	E-G 22625
16420	17820	22650
16440	Point to Point	CTG 22675
16460	Gov. 18040	to 22725
16520	Gov. 18060	22750
16540	18080	22975
16560	Gov. 18100	23000
16580	18120	23075
16600	to 18200	to 23075
16620	19980	23100
	20000	23125
	P-P 20020	
	Gov. 20075	
	20090	
	20120	
	Gov. 20125	

# Leaves From A DXer's Scrapbook

●●● By COUNT DE VERIES

**P**ROBABLY one of the most important features of a well-organized DX club is an efficient Courtesy Programs Committee. Entrusted with the task of providing club members with special programs from desired stations at suitable hours, the CPC works hard to schedule the greatest possible number of dedicatory broadcasts.

However, in recent years it seems that the CPC members have forgotten the primary purpose of their activity — that of enabling DXers to log and verify a needed broadcaster. There seems to have developed a race between the various clubs to see which CPC can line up the most programs from September to May of a given year — and the committee which schedules a thousand programs, apparently is more efficient than one which can claim but five hundred.

While it is very nice to have a station dedicate a broadcast to a group of DXers, is there any need to have the program repeated every few weeks during the winter months? The DXer who is really interested in logging a station will, with few exceptions, require more than one or two cracks at the station in question. Therefore, why expect a station to continue its dedications throughout the DX season?

Last year, the CDXR claimed over 1100 special programs. The NNRC had over 700 and the other clubs had their share. Thus, it is safe to assume that about 2000 specials were transmitted to various organizations during a period of seven or eight months.

In addition to taxing the facilities of the stations concerned, the DXer has to carry a heavy burden. By all rules of the game, the members

of each club are expected to report on every program dedicated to the club, and thank-you cards are in order when verifications are not required. It seems to be asking a good deal of a listener to expect him to send off a thousand or so reports merely to uphold the honor of his club, and yet there is nothing else he can do under the circumstances.

Therefore, why not put a little more stress on *Quality* and forget about *Quantity*? Let the primary objective of a CPC be to provide programs which DXers need for verification purposes and go easy on the idea of repeated dedications from the same station!

\* \* \* \*

Speaking of CPC work, the activities of the Clearing House was brought to mind recently. As some will recall, we suggested in the October issue that the recently-adopted plan for inter-club co-operation did not provide a means to *prevent* clashing of special programs. Rather, we felt that it merely prescribed a remedy when a conflict arose.

An illustration of this point was noted in the NRC bulletin of October 9th. Station WRDW had been lined up for the morning of October 20th for the NRC, but previous confirmation of a CDXR special from WTMV made it necessary to postpone the former special. While the WRDW program was changed and the threatened conflict avoided, we cannot help but wonder at the reaction of the WRDW management when they were advised of the necessity of the change.

As we pointed out previously, CPC men may work months on two stations whose broadcasts will conflict, yet neither they nor the stations will know about it until a relatively short

time before the scheduled date of the special.

\* \* \* \*

It is usually just about this time of year that we begin to get reports of some rather improbable catches. It seems that when a few, inoffensive Cuban and Mexican broadcasters start to show up between the domestic stations, we hear a lot of reports about Spaniard, Italians, Argentines, Brazilians and Fiji Islanders.

Apparently this season is not an exception. Just when every DXer in the country is going after a reported PRA6 on 815 kcys, the station turns out to be our old friend CMCF.

All this may seem unimportant on the surface and worthy of nothing more than a laugh at the expense of those who made the original report of the Brazilian, yet it really is a pretty serious matter. It is just another example of haphazard reporting and, as such, it becomes one of the most unfortunate angles of DXing.

While it is conceded that it is often difficult to identify foreign stations, especially when a foreign tongue is heard, DXers should use more than usual care in logging and reporting. It doesn't take many incorrect reports, no matter how innocent they may be, to create suspicion in the minds of the broadcasters. Certainly it is better to pass up a possible verification than to run the risk of bringing a cloud over the DXing fraternity as a whole.

As the result of many hours at the dials, the veteran DXer can usually tell a Cuban from a Mexican and distinguish either of these from a South American. He has learned to identify peculiarities of enunciation and he doesn't need to be a linguist to pick out call letters and locations from station announcements. And, of paramount importance, he is pretty sure of a station's identity before reporting.

The sooner all DXers cut down on their imagination and mix in a little caution and actual data with their verification formula, the better DXing will be for all of us.

\* \* \* \*

Wonder how many listeners realize the number of new stations which have been announced during the past year. Ordinarily, we merely check the list of changes in each issue of RADEX, note the new transmitters, thank heaven for additional possible stations for our log, and go about the business of DXing. However, during the past twelve months, the FCC has been handing out construction permits right and left, and it has now reached the point where it is actually rather difficult to keep track of the new stations.

A check-up on the back issues of RADEX shows the following corrections in the station listings each month:

December, 1934: New—WWPA, WMFG, WMFF, WMFD, KFRO, WNBC, and KABN; Deleted—WJEM.

January, 1935: New — WELI, WCOP, KIUJ, WMFJ and WPRP; Deleted — WKFI; Moves — KYW to Philadelphia, WCB D to Waukegan, WLBW (now WHIO) to Dayton; WGLC (now WABY) to Albany, and WMEX to Boston.

February: New — KRLC; Calls—WQDX to WPAX.

March. New — KHSL, WMFM, WAIM, KELD, WMFO, WLEU; Deleted — WBHS; Calls — WFI-WLIT to WFIL, KWCR to KRNT; Moves—WKEU to Griffin.

April: New—KIUL, KVSD, WEMP, WCMI, KWBG, KIUN, WTMV, KP LC, WPAY; Moves — WMT to Cedar Rapids, WGCM to Mississippi City; Calls — KABN to KABR; Deleted — WNBO.

May: New—KINY, WFMD, KIUO, KROC, KAST, WPAR; Calls—WKBF to WIRE; Deleted — KFPM, KSO; Move — KGFK to Duluth.

June: New — WMFR, KVOL; Deleted — KWFV.

September: New — WNRI, KDON, KIUP, KALB, KNEL; Calls — KTAB to KSFO, KTM to KEHE (?), KGRS to KGNC; Deleted—WWPA, WDAG, KGIX; Move — WSWA to Harrisonburg.

October: New — KHBC, KNET, KRNR, WHBB and Valley City, N. D.

November: New—WBNY, KRLH; Calls — KPCB to KIRO, WFBE to WCPO; Deleted — WAML, WRBX.

All in all, we find that there were no less than 48 new stations given construction permits, while but 12 broadcasters were deleted — a net increase of 36 stations. Considering changes in call letters and various moves, DXers certainly have had their share of trouble keeping their logs up to date.

As if all this wasn't enough, a recent NRC bulletin forecasts further sweeping changes in the broadcast spectrum. A new plan of the FCC calls for the elimination of cleared channels, increasing the broadcast band to 1600 keys, addition of 100 new stations and the increase in power of many existing stations.

\* \* \* \*

A pat on the back for the CDXR! The introduction of their new thank-you cards, supplied free to CDXR members, is a very definite forward step in the matter of showing appreciation to broadcasters.

\* \* \* \*

Wonder why it is that there are no short wave stations on the West Coast? Why should the Mississippi River be a "boundary line" beyond which there are no Hi Q transmitters? Certainly programs originating out that way are worthy of being relayed to remote corners of this and other countries, while good-will broadcasts directed to listeners in Asia could only be of value to all concerned.

## On the "Under Side"

THAT active and efficient organization, the New Zealand DX Radio Association, has just published a new edition of "Radio Calls of the World." This contains all stations on the air as of September 20th on the broadcast band. Mr. A. I. Breen, Editorial Secretary, calls our attention to numerous changes thus enabling us to make the list of foreign broadcasters in this issue fully up-to-date. The following quotations are from his letter:

"Many conflicting lists have been received from China in the past but the broadcasting situation there is now somewhat clarified by the Government allotting specified frequencies with the result that many low-powered stations, notably in Wusih, Ning-Po, Suchow, etc., have gone off the air. We can fairly claim that our information is accurate and up-to-date. There are a number of stations in the interior provinces of China which have not yet become subject to Government control and, beyond the fact that they are there, little information can be obtained about them.

"XTOY changed its call to XOTY, shifted to 1000 kcs., reduced power to 50 watts, and has now changed its call again to XGOT. Its location is Taiyuan, Shen-si Province. This makes two stations operating under the call of XGOT—Peiping and Taiyuan. A similar case is XHHA at Shanghai and XHHA at Hangchow. No doubt this situation will be cleared up shortly but it appears that both are definitely using the call at present.

"From Japan, JFCK, Taichu, Formosa, is being heard consistently on 580 kcs, with 1000 watts. Another Eastern Station on 590 kcs. is being heard near 5 a. m. at good strength but is so far unidentified. It has been heard to announce 'JOJQ.

experimental station of —Electric Company' but its location is still doubtful.

"There have been many alterations in the power of Australian 'A' stations, notably 2CO, Corowa, reduced from 7 k. w. to 1000 watts. Station 2GZ, Orange, N. S. W., 990 kc. 2000 watts, will be officially opened on October 31st. This station is being erected by the Farmers & Graziers Assn. of N. S. W., who have also let a contract to Amalgamated Wireless for another station, 2NZ, Narrabri, N. S. W., to be on the air early in 1936. Its aerial power will also be 2000 watts and tentatively its frequency has been assigned as 1170 kcs. 4GY, Gympie, Qld., and 4BU, Bundaberg, Qld., will be on the air toward the end of 1935. 2BE, Bega, N. S. W., will be opened in December, 1935. The transmitter of 4PM, Port Moresby, Qld., has been completed and it should be on the air by the time you receive this letter.

"The new Australian relay stations are well behind building schedule and the latest official information *re* opening dates of these stations is as follows: 3GI, October, 1935; 4QN and 2NR, end of December, 1935; 6WA, March, 1936; 2CR and 3WV, June, 1936.

"The New Zealand situation at present is very doubtful. The privately-owned stations have been served with notices to pay to the Copyright Association a royalty of 10/ per side in respect of all records broadcast during the last three years. In the meantime IZJ, Auckland, has ceased transmitting until the demands of the record companies are made more explicit while many others are working on a skeleton schedule with programs by local artists, talks, etc. IZH, Hamilton, has definitely closed down.

"The new 4YA 10-kw transmitter is being erected at Highcliff, near Dunedin, and is expected to be testing before the end of October."

## Notes On The CDXR

●●● By George R. Schneider

**T**HIS month commemorates the third anniversary of the Canadian DX Relay. Originally open only to Canadian DXers, it is today the Dominion's one DX Club.

Last season's Singleton & Eliminator Contest was won by Charles Hesterman, Saskatoon, Sask., with 630 points. William A. Ansell, Regina, Sask., took second honors with 195 points.

The Foreign Verifications Cup was also won by Mr. Hesterman, with 86 qualifying verifications. These included 39 from the Antipodes, 22 Japs, 16 Europeans, six South Americans, two Hawaiians and HHK.

A new contest is now open to all North American DXers. It is based on a mileage point system and the Randolph Hunt Trophy is the valued award.

Last season the CDXR set an all-time record at which future Courtesy Programs Committees may shoot. During the official season, more than 1100 special programs were dedicated to the club, exceeding by far the record of any club heretofore.

This year the CPC has prepared a special pamphlet which is sent to all stations transmitting for the CDXR. It is titled "How to get the best results from a DX broadcast" and gives helpful information on best times for different localities, importance of frequent and slow station announcements, the most-easily recognized musical selections, tests for fading, etc. We believe this will help bring about the production of better DX programs.

The CPC announces a novel series of DX programs for those able to tune long waves. The steamship "New Northland," sailing between Miami, Fla., and Nassau, Bahamas, will broadcast four special tests for

CDXR members on January 6, 7, 13 and 14. Using their 100 watt transmitter on a frequency of approximately 425 kcys, the tests will occur from 5:00 to 5:05 A. M., EST., on these dates.

The CDXR birthday party of special programs has been set for the mornings of December 14 and 15. While complete details are not ready at the time of writing, we expect to find the air jammed with specials.

Another CDXR scoop is the new official thank-you card for use by members when a verification of a special program is not desired. These cards are supplied free to all CDXR members and are to be used in thanking stations which have been good enough to honor us with a DX program.

## Using a Second Speaker

**O**FTENTIMES it is desired to have an additional speaker in a distant room and we receive many requests for information in regard to connecting it. A speaker of the cone or magnetic type works on the same principle as do headphones and it may be connected to a set in exactly the same manner. For the installation the Perfect Phone Adapter is ideal as it permits the use of either speaker at will or of both at one time.

The Phone Adapter is attached to the set in the usual way by placing the small socket-adapters under the audio or power tube or tubes. The tips of an extension cord are then inserted in the Adapter and run to the second speaker. The toggle switch on the Adapter permits the set speaker to be silenced at will.

If it is desired to control the volume of the set from the room in which the second speaker is located, a Distant Volume Control is necessary. In this case the D. V. C. is connected to the extension cord and the speaker to the D. V. C. It will now

be possible to control the volume of the set from minimum to maximum from the bedroom even though the set itself is located in a distant room. Headphones may be used in place of the second speaker at any time desired.

## The Newark News Club

*(Continued from page 10)*

We have made an excellent start with several new members added this fall. In addition, we persuaded WIRE to give us a tip period every week. Finally, we are publishing our own semi-monthly DX sheet and have received many favorable comments from DXers all over the country. We believe in letting our actions speak for themselves and do not resort to the blatant crowing of a rooster.  
*Arthur E. Forester.*

## Short Wave News

*(Continued from page 17)*

frequency standards. On each Tuesday and Friday the emissions will be continuous unmodulated waves (CW), and on each Wednesday they will be modulated by an audio frequency.

On all emissions three radio carrier frequencies will be transmitted as follows: noon to 1 p. m., EST, 15,000 meg.; 1:15 to 2:15 p. m., EST, 10,000 meg.; and 2:30 to 3:30 p. m., EST, on 5,000 meg. On the modulated emissions (Wednesdays only), the announcements will be given only at the beginning of the hour. The radiated power will be one kilowatt; it is hoped to increase this power later.

The Bureau welcomes reports of use and comments upon these emissions, including statements of relative fading, intensity, etc. Correspondence should be addressed National Bureau of Standards, Washington, D. C.

# Noise Pick-up ABOARD SHIP

**T**HE complaint of a reader, A. E. Pringle, published in our September issue regarding the annoyance of interference aboard ship, brings other letters from listeners on the great seas.

The Captain of a sea-going boat who asks that he be known as "Neptune", gives the following hints: First, Mr. Pringle must get on the good side of the Chief Engineer and have him connect two condensers on each dynamo in series across the generator brushes and ground the common condenser leads to the generator frame. Use 10 or 8-mfd. condensers. Second, try out the electric fans or motors in the house where his set is located. He will find that one fan may cause a noise on one waveband but not on another. Poor brushes—any brush that sparks—will cause plenty of noise. Do the same thing to the fans as was done to the generators only use two one-mfd. condensers. Third, keep the set converter ten feet or more away from his set—the further the better. Make sure there are no loose connections or contacts. Solder and cover all splices, insulate the leadin wires where they come in contact with the steel house.

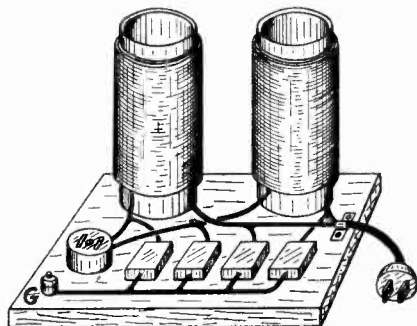
"Neptune" goes on to tell something of his own experiences: "My first set was a Philco 16-B but I now have a Philco 116-B, eleven tubes, with current supplied by a Janette Converter. I have two antennas—one Philco and one RCA—and I can switch from one to the other. Both Philcos have given me very good results. I have s.w. verifications from W2XAF-W8XX for reception from the West Coast of Mexico. From the Gulf of Mexico, I have veries from DJA, EAQ, 2RO, VK2ME-3ME, JVT, HC2RL, W1XAZ. This voyage I have sent reports to JVN, HJ4ABE, Radio Coloniale, KKJ and PCJ and this is

daylight reception. Station KKH, Hawaiian Island, I heard on Sunday morning, October 6, on 7.52 megs. between 1:00 and 1:15 a.m. EST. It came in so well that I copied it over the loud speaker. My daylight stations are GSF, GSC, EAQ, DJB, DJA, I2RO, PHI, PCJ, W8XX, and W3XL.

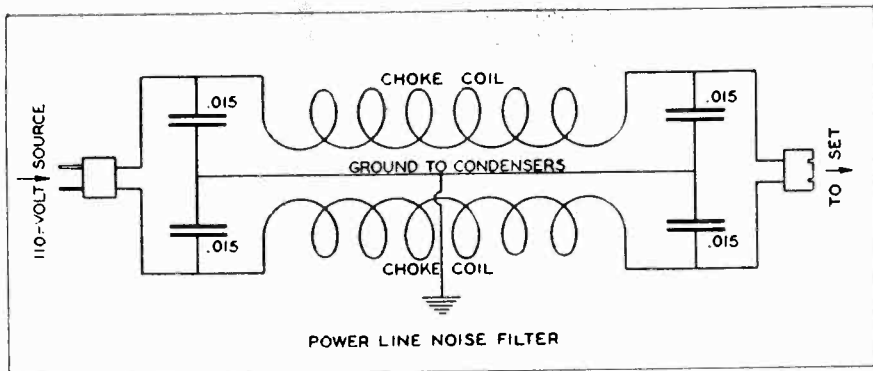
"If DXers want static, they should sail in the Gulf of Mexico and the Straits of Florida. The broadcast band is terrible. Shortwave is the only way one can get reception. This lasts all summer and is but now becoming fairly good again. I am a steady reader of RADEX but can't subscribe as I am never in the same port twice in one month."

The Chief Engineer of an American-Hawaiian ship writes from the Pacific that his Philco 650-B "brings them all in." This reader uses the noise filter which was fully described and illustrated in our April and May, 1933, issues. For the benefit of others troubled with power-line noises, we are reprinting the diagrams. The "Chief Engineer" says he finds that on some ships this works better without the ground.

The two coils are wound in two layers each. Start the winding at one end of the tube which is about six inches in length and two inches in diameter. Put on about 100 turns







of No. 18 dcc wire in a length of about five inches. Then begin a second layer over the first and return to the starting point with another 100 turns. The 110-volt plug and wire connects to the two outer ends of the two coils while the two inner ends connect to the socket provided for the radio set and plug.

The four fixed condensers, each having a capacity of .015 mfd. at about 200 volts, are connected to a common binding post for grounding; the other ends are connected to each of the four ends of the coil windings as shown in the diagram. To keep the wires from unwinding, make two small holes half an inch apart in the tube and pass the end of the wire in and out of these holes. Do not ground to the same wire that grounds the radio receiver.

## A Decade of DXing

●●● By Henry T. Tyndall, Jr.

AS THIS is my twelfth season of DXing and verifying is already under way, one might wonder just what there is to this hobby which can keep a person interested for so long.

The start of DXing many years ago brought its share of thrills in the reception of a distant station. When one listener succeeded in tuning a supposedly-credible broadcaster, his boasts were usually squelched by some

more proficient (or blatant) individual and he was forced back for another try at obtaining an ever better catch. Perhaps it was this personal competition which was responsible for my original interest in the hobby.

During the more recent years, since the inception of the Newark News Radio Club, there has been a feeling of fellowship and wholehearted co-operation among the entire DXing fraternity. Many fine friendships are made among the DXers and the broadcasting officials, and undoubtedly this has been of vital importance in maintaining an undiminished interest in long distance reception.

I often wonder how many DXers continue to collect Ekko stamps. A good many became discouraged a few years ago when a stamp exchange was started, even though it came to an abrupt end. However, as this method of collecting verifications is purely a matter of personal honesty, most of us have continued with our collection. Personally, I value my most recent stamp just as much as I did way back in 1924 when my first one came in from WCK in St. Louis. Each stamp represents a station that was actually heard and many of them have an interesting bit of history attached.

At present, my album contains 1264 Ekko stamps. All but about 35 are backed by written verification of some kind and these few stations are now deleted.

During the earlier years, we used to make out a proof of reception card, enclose a dime and send it to the station. Quite often all we received was an Ekko stamp inserted in an envelope. More recently, most of us obtain a verification from the station and then send it to the Ekko company for the stamp.

Possibly every DXer has experienced a certain amount of trouble in getting a few stations to verify a report. My worst experience was with the old WMBA, Newport, R. I. I first heard them in December, 1928, and subsequently on five other occasions during that winter. Each of these receptions was reported in addition to numerous follow-ups on previous reports, but no reply was received. In August, 1929, I returned from a trip to Florida and made a point to stop over in Newport. Arriving at the station at two o'clock, I found that the studios were closed and inquiries resulted in the information that a recorded program would go on in two hours. I cooled my heels around the door until the operator nearly stumbled over me when he dashed in at four o'clock. Inviting me into the station and hurriedly putting a record on the air, the while apologizing profusely, he had me sit down at the station typewriter and tap out my own verification, which he signed. Needless to say, if such an experience was the rule instead of the exception, there wouldn't be many DXers today.

While much has been published concerning methods of making out reports to stations, there is one point which hasn't been emphasized to any extent. If a DXer finds a delinquent station on his log, he should never start sending out "hot" letters. No radio station in existence is compelled to answer reports and it is only a courtesy on their part which brings us our verification. Patience is a virtue and a DXer must have plenty of it.

The greatest possible credit must be given to the Courtesy Programs Committee. In addition to providing DX-



*Henry T. Tyndall, Jr.*

ers with an immense number of specials from all parts of the world, alertness on the part of CPC men has prevented many a scheduled DX program from going haywire.

On the morning of February 16, 1931, a program from RUS, San Salvador, was arranged. At 2:30 a. m., EST, when the program was scheduled to commence, WEAJ began a test on the same frequency. While fans all over the country ran the gamut of emotions, club officials contacted the operators of WEAJ and the station left the air. Although only a short time remained, over 100 reports were received by RUS.

Another case of the same type occurred in April of the same year, when the 15-watt KFPM, in Greenville, Texas, was scheduled for a DX program. Imagine the consternation of DXers everywhere when WKAV, Laconia, N. H., came on with a test on the same channel. It was nearly daylight in the East, and time was precious. To the relief of everyone the

announcer at WKAV cut off a recording, informed us that CPC Chairman C. M. Falconer had telephoned from Baltimore advising of the special from KFPM, and immediately signed off, leaving the air clear for the logging of another elusive catch.

A most unusual reception occurred in January, 1925. WTAT, a portable station mounted on a Reo truck, was lashed to the deck of the U. S. S. Tampa. The station was supposed to transmit the various phases of the solar eclipse. At the time of the reception, it was announced that the ship was 90 miles off the coast of Nantucket Island. A make-shift orchestra composed of members of the crew was furnishing the music for the test broadcast. As might be expected of a DXer, I was more thrilled with this reception than with the observation of the celestial phenomenon.

During the past eleven years, I have used only two receivers. A battery-operated Zenith, using four tubes with 135 volts "B," produced very satisfactory results until 1932, when I purchased an 11-tube Model SW32 Lincoln. About a thousand stations were logged on the Zenith, the rest on the Lincoln.

Unlike many DXers, I have not experimented to any great extent with aerial and ground systems. A cold water pipe furnishes my ground and the antenna is an inverted L type, 75 feet long and about 45 feet high. Pipes are used as masts, and the lead-in is shielded and grounded in an attempt to reduce electrical interference.

Much credit must be given to the editors of RADEX for putting out such an informative magazine. DXing would be a haphazard pastime without this wonderful little book. It helps the neophyte to increase his log and is equally valuable to the veteran dialer.

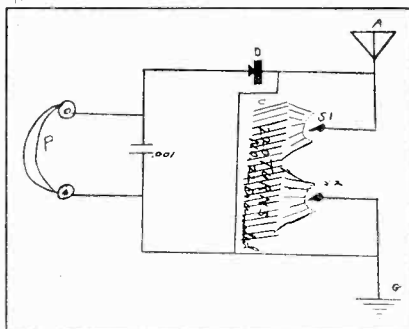
*In the January issue, all the short wave stations of the world.*

## Another Crystal Set

● ● ● By Roy E. DeMent

THE October issue of RADEX opens with an article on building an all-wave crystal receiver. I built many, many crystal sets in 1921-1924 but never used the circuit you use though in those days I did use a 43-plate variable condenser and a variocoupler for the tuning. I was on the point of making another crystal set for a young nephew of mine for his den. Along came your article so I built it on your lines only using a tapped coil for tuning instead of the two slides as the latter gives no way of logging a station should you want to tune it back. I wound a coil of some seven inches of turns of wire on an inch and a half paper tube, 20 taps taken off to brass pins for switch points, then 20 more taps, which gives the same single wire tuning as the slide coil with the advantage of a means of logging your station. The tuning, however, was so broad that the same station could be heard on every switch point by using the two switches and condenser.

I then decided to build the set using my old standby hookup which has proved very effective, as a station can easily be tuned out by turning from one switch point to the other. I am enclosing the hookup I used in which I have incorporated a few changes made from your circuit in RADEX.



## More About Recording

● ● ● By Robert Base\*

**W**HILE the installation of recording equipment in a radio den may sound like an expensive luxury to most DXers, it opens many new and interesting fields.

As F. Wiseman pointed out in his article in the September issue of RADEX, recorded programs provide an excellent means of submitting reports on reception of different stations. However, I have not gone into this angle very extensively. Besides having to consider the expense of the blank records and the cost of mailing, I have found that I spend most of my time getting an accurate, written report on what I hear.

Also, I suppose that I am rather selfish in that I like to keep good records on file and play them back for my own enjoyment as well as that of visitors. There is no getting around the fact that it is a decided thrill to run off a recording of a good DX catch and I guess this is the biggest argument in favor of making records yourself. If you have caught a station's call letters in an announcement, you have a prize well worth keeping.

Of course, I have sent a few records to stations on special occasions. One record in particular was sent to WHDL on their Cuckoo Club program last winter. I recorded several parts of this broadcast and, a week later when they acknowledged receipt of the records, I made a record of this.

Most of my recordings are made for my own use and include worthwhile DX stations; different programs such as Amos 'n' Andy and Lowell Thomas; baseball games and other features which I may want to hear again; and last, but by no means least, the voices of friends who visit me.

The latter angle is of great interest to me. I have quite a file of these records and it is a penalty every friend must pay when he visits my radio room.

I have also talked on a few records myself and sent them to other DXers with whom I correspond, instead of writing. And, incidentally, if there are any other DXers who also have recording equipment, we might start up a "correspondence" by exchanging messages on records instead of letters.

However, from a DXer's angle, I suppose the recording of actual DX catches would be of paramount importance. I have any number on file and the best include TGW, KOB, COH, Poste Parisien at 6 p. m., CT1AA, CJLS, RW59, CP5, LR5, 10BP, KFPM, HHK at 8:30 p. m., VE9HX, CKNX, VK3ME, VK3LR, HIZ, as well as a number of foreign amateur phone stations such as HI7G, G5ML and ON4AC.

Of course, there are a great many stations which are received with sufficient volume to make excellent recordings, but the expense of recording every station heard would be too great and so I stick to those which I particularly care to keep.

Most of the DX stations are recorded on 6-inch blanks, while the 10-inchers are used for complete programs.

As can be seen in the accompanying picture, I use two microphones. The one on the table is a home-made velocity type which I bought from a local amateur. The one on the stand is also a velocity type and was made from a Bruno kit with a special, sensitive ribbon. The output of the ribbon feeds into a three-stage, battery-operated pre-amplifier which uses 864 tubes with the filaments hooked in series to permit the use of a 6-volt storage battery. This amplifier can be seen on the microphone stand.

The output of the pre-amplifier feeds into the control panel on the rack, where T-pads allow the mixing of radio, phonograph or microphone, or any one of these three. There is a transformer on the central panel and this feeds into the amplifier input. Additional volume and tone control are on the recording amplifier.

The latter amplifier consists of a

57 first stage, 56 second stage, two 2A5 output tubes, with a 5Z3 rectifier. There are two windings on the output transformer. One feeds into the recording head or to the voice coil of a dynamic speaker which can be used to play back records. The other winding feeds into a magnetic speaker for optional use.

The recording head uses a diamond needle for cutting and recording on blank aluminum disks. The turntable is rim-driven by a 1/20 h. p. motor at 78 r. p. m. When records are being cut, it is possible to monitor the program by means of the earphones hung on the rack.

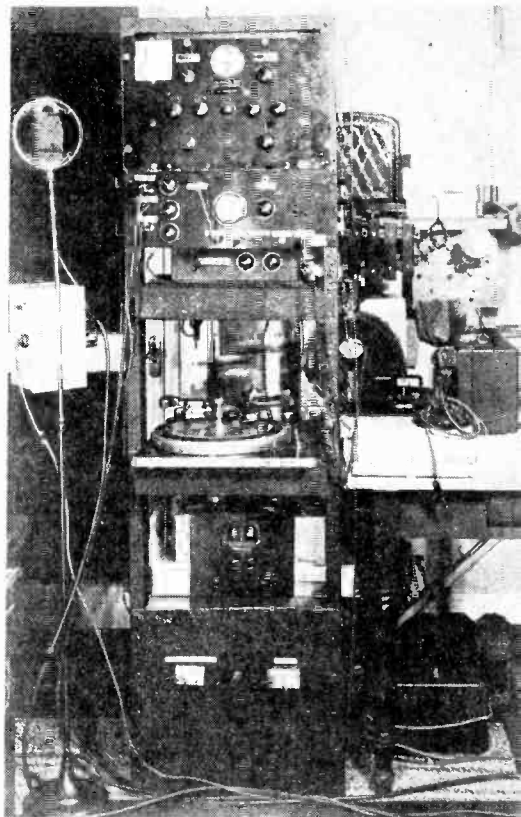
On top of the rack can be seen a cathode ray oscilloscope. While this can be used to check the quality and other characteristics of the recording amplifier, it does not necessarily have anything to do with the making of records and is only kept there because it is handy for other radio work.

The recorder shown may be used only on blank, ungrooved aluminum records and very good results have been obtained. While I do not know how long these records will last, I have never had any which showed any appreciable wear.

The biggest difficulty in this connection seems to be the necessity of sharpening frequently the fibre needle used for playing back the records, and it is possible that I will add another turntable and recording head to enable me to use some of the Universal record blanks called *Silveroid*. This, however, would be only for records where extra quality and durability are desired, since these blanks cost about twice as much as those made of aluminum.

The complete installation of amplifier, recorder and rack was obtained from the Wholesale Radio Service Co. of New York and has proved most satisfactory from every standpoint.

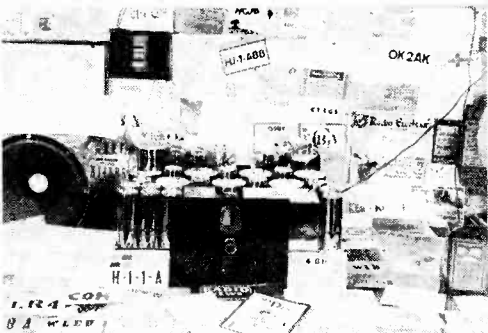
While the Scott receiver shown in the lower part of the rack may be fed



*The recording equipment used by Mr. Base in making records of his reception.*

into the control panel, most of the radio recording is done with the new 23-tube Scott Imperial which is shown in the other picture. Besides providing the greatest possible sensitivity for records of distant stations, the variable selectivity control of the new Scott provides exceptionally fine reproduction of local programs.

The picture of the new Scott and the display of verifications does not exactly tell the truth, since these confirmations were received on two previous Scott models. However, during the short time in which I have operated the new Imperial, I am convinced that it is a much finer instrument than the others and I am sure that these and many more stations will be heard and recorded during the current DX season.



The 23-tube Scott "Imperial" belonging to Mr. Base and some of his verifications.

At present, I am using two inverted "L" type aerials: one East-West and the other West-East. I expect to try out the doublet idea in the near future and see if it offers any advantage over my present system.

The ground system consists of an old water-heating boiler which is buried upright in the ground over a four foot copper sheet. Connections run from boiler and copper sheet to the receiver. The boiler is filled with water frequently and this, leaking out through small holes punched in the bottom, wets the ground thoroughly around the copper.

Of course, putting rock salt around the boiler might help reception somewhat, but I considered the possibility of the salt killing nearby grass and trees and decided against it.

As to my DXing, I have received a total of 845 stations on the broadcast band, of which 728 are verified. Ninety-eight of these are of the 2000-mile variety. The best varies, with the exception of those which would not show up well, are shown in the picture.

On short waves, nothing out of the ordinary has been received, although I got quite a kick out of hearing SUV, Rabat, HVJ, JVM and a number of foreign 20-meter amateur phone stations.

Still and all, whatever pleasure may be had by DXing is increased many fold by access to good recording equipment. While it is possible to go to extremes and invest heavily in such apparatus, the results obtained from

an inexpensive and relatively simple installation are most satisfactory and the dividends of personal enjoyment are usually well worth the investment.

\*4105 Alto Road, Baltimore, Md.

## LEARNING the Code

A WRITER in World-Radio gives the following simple but extremely practical method of learning to read and write Morse. It is only necessary to memorize the following words given in connection with each letter of the alphabet. Thus A is "Aho-y," B "Boisterously," etc. The emphasized syllables as shown by capital letters indicate dashes while the unaccented syllables indicate dots. Thus Q "QUEEN! QUEEN the QUEEN!" becomes dash-dash-dot-dash.

A . —	a-HOY
B — . . .	BOIS-ter-ous-ly
C — . — .	CAL-e-DO-nia
D — . . .	DROWS-i-ly
E .	egg!
F . . — .	fum-i-GA-tion
G — — .	GREAT-GRAND-ma
H . . . .	he! he! he! he!
I . .	it is
J . — — —	Ja PAN PAN PAN
K — . —	KING-ly CROWN
L . . . .	lu-CID-it-y
M — — —	MORE MICE
N — .	NINE-ty
O — — — —	OLD OLD OWL
P . — — .	pro-LONG LONG-er
Q — — — . —	QUEEN! QUEEN the QUEEN!
R . — .	re-TURN-ing
S . . .	so she says
T — — —	TAKE
U . . —	un-der-STAND
V . . . —	ver-y im-MENSE
W . — — —	wi-WILD WOLVES
X — . . —	X-cell-ent WINE
Y — . — — —	YOUNG -ish YOUNG YOUTH
Z — — — . .	ZINC-SINK it is

# Anent The DX Bug

• • • By Eugene C. Bataille

**T**HE question often is asked, "What part does the DXer play in the radio broadcasting industry?"

To provide a proper answer to this question, perhaps it would not be amiss to review the early stages of radio development. But first let us consider the definition of the term DX. D, representing Distance, apparently and X representing the Unknown Quantity, would indicate that DX is applied to reception of stations at unknown distances.

To some, however, DXing is described as a disease implanted by a bug. The origin of the bug appears to have come to light during the early history of radio broadcasting. We might say that the larva of the bug was found at the tip of the deceased "catwhisker."

DX, during the reign of the crystal set, was the reception of anything beyond the back fence. The introduction of the single tube increased the scope of the term to as great a distance as one thousand miles. With the development of multiple-tube receivers and the perfection of higher-powered transmitters, DXing reached the stage where we find it possible, today, to receive broadcasts from all parts of the globe.

The hardened critic might say that this development issues the death sentence to the DX bug. The fallacy of this is found in the ever-increasing number of applications received for memberships in the Newark News Radio Club, as well as in many similar organizations in existence today. What is the cause of this increasing interest in DXing?

Is it not true that a person's hobby holds more fascination for him when he discovers someone else with the same interest? This being the case, it might be assumed that

one person having an interest in DXing, having found another with a similar interest, will endeavor to locate more who are bitten by the same insect.

This has been the case in recent years and has brought about the formation of such organizations as the NNRC. While the massing of people with common interests to form clubs is not, in itself, new, nevertheless it tends to inaugurate policies which have the effect of developing new ideas.

Those of us who have assignments on the Courtesy Program Committee have been enabled to learn more and more concerning the broadcaster and the listener. The broadcaster may not be a DXer himself, but his presentations are affected in large measure by the DXer, although he may not be aware of the fact. The listener is oftentimes a DXer, without realizing it. On various occasions he may find himself obliged to tune in



*Eugene C. Bataille*

distant stations in order to hear the type of broadcast not provided by his local stations. The reception of this distant broadcast may be affected in some manner by atmospheric conditions, or the program may be so presented as to bring criticism or commendation from the listener. Through the interest which he has found in the reception of this distant station, he has become, in effect, a DXer.

Those of us who have had the opportunity of visiting club members and broadcasters at distant points, have found them to be real sportsmen in every sense of the word. Of course we all recognize DXing as a major indoor sport. We find that the real DXer plays the game in a straightforward manner. This is recognized by the broadcaster who assures us that he is more than willing to play the rules in the same respect. A trip through New York State, Quebec and northern Ontario this past summer, gave us the opportunity of proving these facts, for ourselves. Visits to such people as Frank Lynch in Albany, Les Buscoe and other members in Montreal, Reg Irvin of CFCH North Bay, Norman Smith and his family in Kirkland Lake and Pat Murphy of CJKL in that city, Jim Hill in Toronto, Joe Brauner of Williamsville and John Clark of Buffalo will long be remembered by us. In every case we found these folks to be real sportsmen, whose principal aim is to see to it that DXing retains its standing among the leading indoor sports.

The more we see of this DXers' world, the more we realize the magnitude of it all. Although there are those who don't believe it, nevertheless we find the DXer is a rational human being. We see that his interests have had tremendous power in developing the industry of radio broadcasting. It is observed that he is not a person to be pitied but rather someone to be respected for his share in perfecting the finest

source of entertainment known today.

The DXer's world is not confined to the art of dialing for distant transmissions. Instead, it embraces every factor vital to radio broadcasting. Through his suggestions and criticisms, programs may be made more interesting, while the quality of transmission and reception of these programs, may be improved.

We see that the engineering, announcing, program direction and presentation, and, in fact, every phase of radio broadcasting is influenced by and, we might add, dependent upon, the reactions of the DXer!

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## Idiosyncrasies

*(Continued from page 20)*

describe. If not, the whole plate circuit, or circuits of the pre-amplifier, will act as a load for the tube from which the power is taken and thus greatly reduce the efficiency of that tube.

Providing that all other connections are correct, the addition of a condenser in series with the antenna will help, but it will do little good if the original cause has not been cured.

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## The Radio Show

*(Continued from page 23)*

model which tunes from 530 to 23,700 kcys. An accurately-calibrated, two-speed airplane dial, a ten-inch speaker, a phonograph pickup outlet, and a jack for extra speaker and headphones should prove popular with DXers.

A check of the entire show shows that all manufacturers have increased the size of the cabinets, both table and console type, with no appreciable boost in price.



# WHAT'S ON THE AIR TONIGHT

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

COLUMBIA ..... (C)	
Call	Dial

NATIONAL, Red (R)	
Call	Dial

NATIONAL, Blue (B)	
Call	Dial

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

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

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

## MONDAY

**E-6:00 p.m., C-5:00, M-4:00, P-3:00**  
**C — Buck Rogers 25th Century**  
 WAAB WABC WCAU WFBL WHK WJAS WJR WJSV WKBW WOKO

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

**E-6:45 p.m., C-5:45, M-4:45, P-3:45**  
**B — Lowell Thomas**  
 CRCT KDKA KMBL WBZ WBZA WFLA WIOD WJAX WJZ WLW WMAL WOOD WRVA WSYR WTAM WXYZ

**E-7:00 p.m., C-6:00, M-5:00, P-4:00**  
**C — Myrt and Marge**  
 WABC WADC WBT WCAO WCAU WDAE WDBO WDRC WEAN WFBL WGR WHK WJAS WJR WJSV WKRC WNAC WOKO WQAM WSPD WTOC WVVVA

**R — Amos 'n' Andy**  
 CRCT KSD KYW WBN WCAE WCSH WDAF WEEL WFBR WGY WJAR WLW WRC WTAG WTAM WVIC WWJ

**E-7:15 p.m., C-6:15, M-5:15, P-4:15**  
**C — Vocals by Verrill**  
 CFRB CKAC KFII KGKO KLRA KLZ KMBC KOMA KSCJ KTRH KTTA KVOB KWKH WAAB WABC WALA WBT WCAO WCCO WDAE WDBJ WDBO WDNC WDOE WEAN WFBM WFLA WGR WGST WIBC WBW WCC WISN WJR WKBN WLC WLBZ WMAS WMBG WMBR WNOX WOKO WORC WQAM WREC WSBT WVSZ WSPD WTOC

**R — Uncle Ezra's Radio Station**  
 KYW WBN WCAE WCSH WDAF WDAF WEEL WFBR WGY WHI WIRE WJAR WMAQ WOW WRC WSAI WTAG WTAM

**B — Ivory Stamp Club**  
 KDKA KOIL KSO KWK WBAL WBZ WBZA WOKY WENR WFLG WGAR WHAM WJZ WMAL WMT WSYR WXYZ

**E-7:30 p.m., C-6:30, M-5:30, P-4:30**  
**C — Singing Sam**  
 KFAB KMOX KRNT WABC WADC WBBM WCAO WCAU WCCO WDRC WEAN WFBL WFBM WGR WHAS WHK WJAS WJR WJSV WKRC WNAC WOKO WSPD

**B — Lum and Abner**  
 WBZ WBZA WENR WGAR WJZ WLW WSYR

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

**B — Dangerous Paradise**  
 KDKA KOIL KSO KTBS WAVE WBAL WBZ WBZA WENR WJDX WJZ WLW WMAL WMC WREN WSB WSMB WSYR

**E-8:00 p.m., C-7:00, M-6:00, P-5:00**  
**C — Guy Lombardo and Orchestra**  
 KLRA KWKH WABC WHIG WBT WCAO WCAU WCHS WCSH WDBJ WDNC WDOE WDRC WEAN WFBL WFBL WGR WHCC WHP WIBX WIOC WJAS WJSV WLAG WLZ WMAS WMBG WNAC WNBFWNOX WOKO WORC WPG WREC WVSZ WWL WVVVA

**R — Hammerstein's Music Hall**  
 KSD KYW WBN WCAE WCSH WDAF WDAF WEEL WFBR WGY WHO WHIO WJAR WMAQ WOW WRC WSAI WTAG WTAM WVIC WWJ

**B — Fibber McGee and Molly**  
 KDKA KDYL KFI KFSD KFYR KGW KHQ KOA KOIL KOMO KOI KPRC KSO KSTP KTBS KVOO WAVE WBAL WBZ WBZA WCKY WDAY WEBC WFAA WFLG WGAR WLIAM WIBA WIRE WJDX WJZ WKY WLS WMAL WMC WMT WOI WENR WSB WSM WSMB WSYR WTMJ WXYZ

**E-8:30 p.m., C-7:30, M-6:30, P-5:30**  
**C — One Night Stands**  
 KFAB KMBC KMOX KRNT KSCJ WABC WADC WBBM WCAO WCAU

WDRC WEAN WFBL WFBM WGR WGST WHAS WHCC WHK WJAS WJR WJSV WKRC WMAS WNAC WOKO WORC WSPD

**R — Voice of Firestone**  
 CFCE CRCT KFYR KPRC KSD KSTP KTBS KVOO KYW WAVE WBN WCAE WCSH WDAF WDAY WDAF WEBC WEEL WFAA WFBR WFLA WGY WHO WHIO WIBA WIOD WIRE WIS WJAR WJAX WJDX WKY WMAQ WMC WOI WOV WPTF WRC WRVA WSB WSM WSMB WSOE WTAG WTAM WTAR WVIC WTMJ WMAS WWNC

**B — Evening in Paris**  
 KDKA KOIL KSO KWK WBAL WBZ WBZA WCKY WFLG WGAR WHAM WJZ WLS WMAL WMT WREN WSYR WXYZ

**E-9:00 p.m., C-8:00, M-7:00, P-6:00**  
**C — Lux Radio Theatre**

CFRB CKAC KDB KERN KFAB KFBC KFPY KFRC KGB KHJ KLRA KLZ KMBC KMJ KMOX KOIN KOL KOMA KRLL KRNT KSL KTRH KTTA KTUL KVI KWG WABC WADC WBBM WBSN WBRC WBT WCAO WCAU WCCO WDAE WDBJ WDRC WEAN WFBL WFBM WGST WHAS WHCC WHK WICC WISN WJAS WJR WJSV WKBW WKRC WLAG WNAC WNAX WOKO WORC WQAM WREC WSPD WWL

**R — A. & P. Gypsies**  
 KSD KYW WBN WCAE WCSH WDAF WDAF WEEL WGY WHO WHIO WIRE WJAR WMAQ WOW WRC WSAI WTAG WTAM WVIC WWJ

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

**E-9:30 p.m., C-8:30, M-7:30, P-6:30**  
**R — Grace Moore**  
 KDYL KFI KFSD KFYR KGHL

# MONDAY (Continued)

KGIR KGW KHQ KOA KOMO KPO  
KPRC KSD KSTP KTAR KTBS  
KV00 KYW WAVE WBEA WCAE  
WCSH WDAF WDAY WFAF WEEB  
WEEI WFBR WFLA WGY WHO  
WHIO WIBA WIOD WIRE WIS  
WJAR WJAX WJDX WKY WLV  
WMAQ WNC WOI WOV WPTF  
WRC WRVA WSB WSM WSMB  
WSOC WTAG WTAM WTAR WVIC  
WTMJ WWJ WWNC

## B — Princess Pat Players

KDKA KOIL KSO KWK WHAL WBZ  
WBZA WCKY WENR WFIL WGAR  
WHAM WJZ WMAL WMT WRN  
WSYR WXYZ

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

## C — Wayne King and Orchestra

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

## R — Contented Program

CFBC CRCT KDYL KFI KGW KHQ  
KOA KOMO KPO KPRC KSD KYW  
WBEA WCAE WCSH WDAF WFAF  
WEEI WFBR WFLA WGY WHO  
WIOD WIS WJAR WJAX WKY  
WMAQ WMC WOAT WOV WPTF  
WRC WRVA WSAI WSB WSM  
WTAG WTAM WTAR WVIC WWJ  
WWNC

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

## C — March of Time

KDB KERN KFAB KFBK KFPY  
KFRG KGB KHJ KLZ KMBC KMJ  
KMOX KOIN KOL KRLL KRNT  
KSL KVI KWG WABC WADC  
WBMM WCAO WCAU WCCO WDRC  
WEAN WFBL WFBM WGST WHAS  
WHK WJAS WJR WJSV WKBW  
WKRC WNAC WOKO WSPD WWL

## B — Armco Iron Master Program

KDKA KOIL KSO KWK WHAL WBZ  
WBZA WENR WFIL WGAR WHAM  
WJZ WLW WMAL WMT WRN  
WSYR WXYZ

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

## C — Dance Orchestra

CFRB CKAC WAAB WABC WADC  
WCAO WCAU WDRC WFBL WFEA  
WHEC WHC WBX WJAS WKBW  
WKBW WLZ WMAS WOKO WORC  
WPG WSBT WSPD

## C — Myrt and Marge

KDB KERN KFAB KFBK KFPY  
KFRG KGB KHJ KLRA KLZ KMBC  
KMJ KMOX KOIN KOL KOMA  
KRLL KSL KTRH KVI KWG WALA  
WBMM WBRG WCCO WFBM WGST  
WHAS WLAC WREC WSPA WWL

## R — Amos 'n' Andy

KDYL KFI KGW KHQ KOA KOMO  
KPO KPRC KSD KTHS WBAF  
WDAF WHO WKY WMAQ WMC  
WOAI WOV WSB WSM WSMB

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

## C — Singing Sam

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

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

## C — Dance Orchestra

CFRB CKAC KLRA WAAB WABC

WADC WALA WBNS WBRC WBT  
WCAO WCAU WDAE WDBJ WDHO  
WDNC WDOO WDRC WEAN WFBL  
WFBM WFEA WGST WHAS WHEC  
WHK WIBX WICC WKAS WJR  
WJSV WKBN WKBW WKRC WLAC  
WLBZ WMAS WMBG WMBR WNOX  
WOKO WORC WQAM WREC WSBT  
WSJS WSMK WSPD WTOC

## C — One Night Stand

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

## R — Voice of Firestone

KDYL KFI KFSB KGHK KGIR KGU  
KGW KHQ KOA KOMO KPO KTAR

E-12:00 p.m., C-11:00, M-10:00, P-9:00

## B — Helen Hayes; Drama

KDYL KFI KGW KHQ KOA KOMO  
KPO

# TUESDAY

E-6:00 p.m., C-5:00, M-4:00, P-3:00

## C — Buck Rogers, See Monday

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

## C — Benay Venuta

KFI KGKO KLRA KLZ KMBC  
KOMA KRLL KSCJ KTRH KTS  
KVOR KWKH WAAB WABC WCAO  
WALA WBBM WBIG WBRC WCAO  
WCAU WDAE WDBJ WDHO WDNC  
WDOO WDRC WESG WFBL WFBM  
WFEA WGR WGST WHEC WIBX  
WJR WKBN WLAC WLZ WMAS  
WMBD WMBG WMBR WNOX WOC  
WOKO WORC WQAM WREC WSBT  
WSJS WSMK WSPD WTOC WWL

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

## C — Understanding Opera

KLRA WABC WADC WALA WBIG  
WBRC WCAO WDAE WDBJ WDHO  
WDRG WDOO WFBL WGST WHAS  
WJSV WKBN WLAC WLZ WMAS  
WNOX WORC WQAM WREC WSJS  
WSPD

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

## B — Lowell Thomas, See Monday

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

## C — Myrt and Marge, See Monday

## R — Amos 'n' Andy, See Monday

## B — Easy Aces

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

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

## R — Popeye, The Sailor

KFNR KSD KSTP KYW WBEA  
WCAE WCSH WDAF WDAY WFAF  
WEEB WEEI WFBR WGY WHIO  
WIBA WIRE WJAR WMAQ WOV  
WRC WSAI WTAG WTAM WWJ

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

## C — Kate Smith

KFAB KMBC KMOX KRLL KRNT  
KTRH WABC WADC WBBM WBNS  
WBRC WBT WCAO WCAU WCCO  
WDAE WDRC WEAN WFBL WFBM  
WGR WGST WHAS WHK WISN  
WJAS WJR WJSV WKBN WKRC  
WLBZ WMAS WMBG WMBR WNAC  
WOKO WWL WWVA

## B — Lum and Abner, See Monday

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

## C — Boake Carter, See Monday

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

## C — Frank Munny; Lucy Monroe

KFAB KMBC KMOX KRNT WABC  
WADC WBBM WCAO WCAU WDRC  
WEAN WFBL WFBM WGR WHAS  
WHK WJAS WJR WJSV WKRC  
WNAC WOKO WSPD

## R — Leo Reisman and Orchestra

KFNR KPRC KSD KSTP KTBS  
KV00 KYW WAVE WBAF WBEA  
WCAE WCSH WDAF WDAY WFAF  
WEEB WEEI WFBR WFLA WGY  
WHO WIBA WIOD WIRE WIS  
WJAR WJAX WJDX WKY WMAQ  
WMC WOAI WOV WPTF WRC  
WRVA WSB WSM WSMB WSOC  
WTAG WTAM WTAR WVIC WTMJ  
WWJ WWNC

## B — Eno Crime Clues

KDKA KOIL KSO WBAL WBZ  
WBZA WFIL WGAR WHAM WJZ  
WLS WLW WMAL WMT WRN  
WSYR WXYZ

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

## C — Lawrence Tibbett

CFRB CRGM KDB KERN KFAB  
KFBK KFH KFPY KFRG KGB  
KGKO KHJ KLRA KLZ KMBC KMJ  
KMOX KOH KOIN KOL KOMA  
KRLL KRNT KSCJ KSL KTRH  
KTSB KTUL KVI KVOR KWG  
KWKH WABC WACO WADC WALA  
WBIG WBNS WBRG WBT WCAO  
WCAU WCCO WCOA WDAE WDBJ  
WDBO WDNB WDOO WDRC WEAN  
WFBL WFBM WGR WGST WHAS  
WHEC WHK WHP WIBW WIBX  
WICG WISN WJAS WJR WJSV  
WKBN WKRC WLAC WMAS WMBG  
WMBR WNAC WNAW WNOX WOC  
WOKO WORC WQAM WREC WSPA  
WSJS WSPD WTOC WWL

## R — Wayne King and Orchestra

KFNR KPRC KSD KSTP KTBS  
KV00 KYW WAVE WBAF WBEA  
WCAE WCSH WDAF WDAY WFAF  
WEEB WEEI WFBR WFLA WHE  
WJAR WJDX WKY WMAQ WMC  
WOAI WOV WRC WSAI WSB WSM  
WTAG WTAM WTAR WVIC WTMJ  
WWJ

## B — Edgar Guest, Welcome Valley

KDKA KOIL KSO KWK WHAL WBZ  
WBZA WFIL WGAR WHAM WJZ  
WLS WLW WMAL WMT WRN  
WSYR WXYZ

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

## C — Walter O'Keefe; Glen Gray

KFAB KPH KGKO KLRA KMBC  
KMOX KOMA KRLL KRNT KSCJ  
KTRH KTSB KTUL KWKH WABC  
WACO WADC WALA WBBM WBIG  
WBNS WBRG WBT WCAO WCAU  
WCCO WDAE WDBJ WDHO WDOO  
WDOO WDRC WEAN WFBL WFBM  
WFEA WGST WHAS WHEC WHK  
WHP WIBW WIBX WICC WJAS  
WJR WJSV WKBN WKBW WKRC  
WLAC WLZ WMAS WMBD WMBG  
WMBR WNAC WNAW WNOX WOKO  
WORC WOVO WPS WQAM WREC  
WSBT WSPA WSJS WSPD WTOC  
WWL

## R — N. T. G. and His Girls

KDYL KFI KGW KHQ KOA KOMO  
KPO KSD KYW WAVE WBEA  
WCAE WCSH WFAF WEEI WFBR  
WGY WHO WHIO WIRE WJAR  
WJDX WMAQ WMC WOV WRC  
WSAI WSB WSM WSMB WTAG  
WTAM WVIC WWJ

## TUESDAY (Continued)

**B — Ben Bernie and Orchestra**  
 KDKA KOIL KPRC KSO KTBS  
 KTBS KYOO KWK WBAL WBAP  
 WBZ WBZA WFL WFLA WGAR  
 WHAM WIOD WIS WJAX WJZ WKY  
 WLS WLW WMAQ WMT WOAI  
 WPTF WREN WRVA WSOC WSYR  
 WTAR WWNC WXYZ

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

**C — Fred Waring's Pennsylvanians**  
 CFRB CKAC KFAB KFH KGKO  
 KLRA KLZ KMBC KMOX KOH  
 KOMA KRLD KSCJ KSL KTRH  
 KTSA KTUL KVOR KWKH WABC  
 WACO WADC WALA WBMM WBIG  
 WBNS WBRC WBT WCAO WCAU  
 WCCO WCOA WCSC WDAE WDBJ  
 WDHO WDNC WDOD WDRC WEAN  
 WFBL WFBM WFEA WGST WHAS  
 WHC WHK WHP WIBW WIBX  
 WICC WISN WJAX WJR WJSV  
 WKBH WKBN WKBW WKRC WLAC  
 WLBY WMAS WMBD WMBR WNAC  
 WNAX WNBW WNOX WOC WOKO  
 WORC WOWO WPG WQAM WREC  
 WSBT WSFA WSJS WSPD WTOG  
 WWL

**R — Jumbo-Fire Chief Show**

KDYL KFI KFBI KFYP KGHL  
 KGIR KGW KHQ KOA KOMO KPO  
 KPRC KSD KSTP KTRAR KTBS  
 KTBS KYOO KYW WAVE WBAP  
 WBAF WCAE WESH WDAF WDAY  
 WEAJ WEBC WEEL WFLR WFLA  
 WGY WHO WHIO WIBA WIOD  
 WIRE WIS WJAR WJAX WJDX  
 WKY WLW WMAQ WMC WMO  
 WOW WPTF WRC WRVA WSB WSM  
 WSMB WSOC WTAG WTAM WTAR  
 WTIW WTMJ WWJ WWNC

**B — Helen Hayes, Drama**

KDKA KOIL KSO KWK WBAL WBZ  
 WBZA WCKY WENR WFLA WGAR  
 WHAM WJZ WMAL WMT WREN  
 WSYR WXYZ

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

**R — Swift Studio Party**  
 CHOT KFI KFYP KGW KHQ KOA  
 KOMO KPO KPRC KSD KSTP KTBS  
 KTBS KYW WBAP WBAF WCAE  
 WESH WDAF WDAY WEAJ WEBC  
 WEEL WFLR WGY WHO WHIO  
 WIBA WJAR WKY WLW WMAQ  
 WOAI WOW WRC WTAG WTAM  
 WTIW WTMJ WWJ

**B — Wendell Hall**

CFBP KDKA KOIL KSO KWK  
 WBAL WBZ WBZA WCKY WENR  
 WFLA WGAR WHAM WIRE WJZ  
 WMAL WMT WOOD WREN WSYR  
 WXYZ

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

**C — March of Time, See Monday**

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

**C — Dance Orchestra**  
 CKAC WAAB WABC WADC WCAO  
 WCAU WDRC WFBL WFEA WHC  
 WHK WIHX WJAS WJSV WKBW  
 WLBY WMAS WOKO WORC WSBT  
 WSPD

**C — Myrt and Marge, See Monday**

**R — Amos 'n' Andy, See Monday**

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

**C — Dance Orchestra**  
 CFRB CKAC KLRA KSCJ WAAB  
 WABC WADC WALA WBMM WBNS  
 WBRC WBT WCAU WCCO WDAE

WDBJ WDRO WDNC WDOE WDRC  
 WEAN WFBL WFBM WFEA WGST  
 WHAS WHEC WHK WHX WICC  
 WISN WJAS WJR WJSV WKBW  
 WKRC WLAC WLBY WMAS WMBD  
 WMBG WMBR WNAX WNOX WOC  
 WOKO WORC WQAM WREC WSBT  
 WSJS WSMK WSPD WTOG

**C — Walter O'Keefe; Glen Gray**

KDB KERN KFBK KFPY KFRC  
 KGB KHJ KLZ KMJ KOH KOIN  
 KOL KSL KVI KVOR KWG

**R — Leo Reisman and Orchestra**  
 KDYL KFI KFBI KGHL KGIR  
 KGW KHQ KOA KOMO KPO KTRAR

**E-12:00 p.m., C-11:00, M-10:00, P-9:00**

**C — Fred Waring's Pennsylvanians**  
 KDB KERN KFBK KFPY KFRC  
 KGB KHJ KMJ KOH KOIN KOL  
 KVI KWG

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

**B — Enno Crime Clues**  
 KDYL KFI KGW KHQ KOA KOMO  
 KPO

## WEDNESDAY

**E-6:00 p.m., C-5:00, M-4:00, P-3:00**

**C — Buck Rogers, See Monday**

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

**C — Bobby Benson, See Monday**

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

**B — Lowell Thomas, See Monday**

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

**C — Myrt and Marge, See Monday**

**R — Amos 'n' Andy, See Monday**

**B — Easy Aces, See Tuesday**

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

**C — Imperial Hawaiian Band**  
 KFAB KMOX KRNT WABC WADC  
 WBBM WCAO WCAU WDRC WEAN  
 WFBL WFBM WGR WHK WJAS  
 WJSV WKRC WNAC WOKO WSPD

**R — Uncle Ezra, See Monday**

**B — Ivory Stamp Club, See Monday**

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

**C — Kate Smith, See Tuesday**

**B — Lum and Abner, See Monday**

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

**C — Boake Carter, See Monday**

**B — Dangerous Paradise, See Monday**

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

**C — Cavalcade of America**  
 KDB KERN KFAB KFBK KFPY  
 KFCR KGB KHJ KLZ KMBC KMJ  
 KMOX KOIN KOL KRLD KRNT  
 KSL KVI KWG WABC WACO  
 WBBM WCAO WCAU WCCO WDRC  
 WEAN WFBL WFBM WGR WGST  
 WHAS WHK WJAS WJR WJSV  
 WKRC WLAC WMBG WNAC  
 WOKO WSPD WWL

**R — One Man's Family**

KDYL KFI KFBI KGW KHQ KOA  
 KOMO KPO KPRC KSD KSTP  
 KTRAR KTBS KYOO KYW WAVE  
 WBAF WCAE WESH WDAF WDAY  
 WEAJ WEBC WEEL WFLA WFLR  
 WGY WHO WHIO WIBA WIOD  
 WIRE WIS WJAR WJAX  
 WJDX WKY WLW WMAQ WMC  
 WOAI WOW WPTF WRC WRVA  
 WSB WSM WSMB WTAG WTAM  
 WTIW WTMJ WWJ WWNC

**B — Rendezvous; Phil Duoy**

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

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

**C — Burns and Allen**

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

**R — Wayne King, See Tuesday**

**B — House of Glass**

KDKA KOIL KSO KWK WBAL WBZ  
 WBZA WCKY WFLA WGAR  
 WHAM WHIO WIOD WIS WJAX  
 WJZ WLS WMAL WMT WPTF  
 WREN WRVA WSOC WSYR WTAR  
 WWNC WXYZ

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

**C — Chesterfield Program**

KDB KERN KFAB KFBK KFH  
 KFPY KFRC KGB KGKO KGMB  
 KHJ KLRA KLZ KMBC KMJ KMOX  
 KOH KOIN KOL KOMA KRLD  
 KRNT KSCJ KSL KTRH KTSA  
 KTUL KVI KVOR KWG KWKH  
 WABC WACO WADC WALA WBMM  
 WBIG WBNS WBRC WBT WCAO  
 WCAU WCCO WCOA WDAE WDBJ  
 WDHO WDNC WDOD WDRC WEAN  
 WFBL WFBM WFEA WGST WHAS  
 WHC WHK WHP WIBW WIBX  
 WICC WISN WJAS WJR WJSV  
 WKBH WKBN WKBW WKRC WLAC  
 WLBY WMAS WMBD WMBG WMBR  
 WNAC WNAX WNBW WNOX WOC  
 WOKO WORC WOWO WPG WQAM  
 WREC WSFA WSJS WSPD WTOG  
 WWL

**R — Town Hall; Fred Allen**

KFYP KPRC KSD KSTP KTBS  
 KTBS KYOO KYW WAVE WBAF  
 WCAE WESH WDAF WDAY WEAJ  
 WEBC WEEL WFLA WFLR WFLA  
 WGY WHO WIBA WIOD WIS WJAX  
 WJDX WJZ WKY WLW WMAQ  
 WMC WOAI WOW WPTF WRC WSB  
 WSM WSMB WSOC WTAG WTAM  
 WTIW WTIW WTMJ WWJ WWNC

**B — John Charles Thomas**

KDKA KDYL KFI KGW KHQ KOA  
 KOIL KOMO KPO KSO KWK WBAL  
 WBZ WBZA WCKY WFLA WGAR  
 WHAM WIRE WJZ WLS WMAL  
 WMT WREN WSYR WXYZ

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

**C — Ray Noble and Orchestra**

CFRB KDB KERN KFAB KFBK  
 KFI KFPY KFRC KGB KGKO KHJ  
 KLRA KLZ KMBC KMJ KMOX KOH  
 KOIN KOL KOMA KRLD KRNT  
 KSCJ KSL KTRH KTSA KTUL KVI  
 KWG KWKH WABC WACO WADC  
 WALA WBMM WBIG WBNS WBRC  
 WBT WCAO WCAU WCCO WCOA  
 WDAE WDBJ WDHO WDOD WDRC  
 WEAN WFBL WFBM WFEA WGST  
 WHAS WHC WHK WHP WIBW  
 WIBX WICC WJAS WJR WJSV  
 WKBH WKBW WKRC WLAC WLBY

## Wednesday (Continued)

WMBD WMBG WMBR WNAV  
WNOX WOC WOKO WORC WQAO  
WPG WQAM WREC WSFA WSPD  
WTOC WWL

**B — Warden Laws, Sing-Sing Drama**  
KDKA KDYL KFI KGW KHQ KOA  
KOIL KOMO KPO KSO KWK WBAI  
WBZ WBZA WCKY WENR WFIL  
WGAR WHAM WIRE WJZ WMAL  
WMT WREN WSYR WXYZ

**E-10:00 p.m., C-9:00, M-8:00, P-7:00**  
**C — On the Air with Lud Gluskin**  
CFRB CKAC KFH KGKO KLRA  
KLZ KMBC KMOX KOMA KRLL  
KSCJ KTRH KTSB KVOR KWKH  
WABC WACO WADC WALA WBIG  
WBNS WBRC WBT WCAO WCAU  
WCCO WDAE WDBJ WDBO WDNC  
WDOO WDRC WEAN WFBL WFBM  
WFEA WGST WHAS WHCZ WHK  
WIBW WIBX WICC WISN WJAS  
WJR WJSV WKBW WKRC WLAC  
WMAS WMBD WMBR WNAV  
WNAX WNOX WOC WOKO WORC  
WPG WQAM WREC WSBT WSJS  
WSMK WSPD WTOC

**R — Log Cabin Revue**  
KDYL KFI KGW KHQ KOA KOMO  
KPO KPRC KSD KTBS KTHS KYW  
WBEN WCAE WCSH WDAF WFAE  
WEEI WFAA WFRB WGY WHIO  
WJAR WKY WMAQ WQAI WOW  
WRC WSAI WTAG WTAM WTIC  
WVJ

**E-10:30 p.m., C-9:30, M-8:30, P-7:30**  
**C — March of Time, See Monday**  
**B — Jimmy Fidler; Hollywood Gossip**  
KDKA KDYL KFI KGW KHQ KOA  
KOIL KOMO KPO KPRC KSO KTBS  
KTHS KWK WALB WBZ WBZA  
WCKY WENR WFAA WFIL WGAR  
WHAM WJZ WKY WMAL WMT  
WQAI WREN WSYR WXYZ

**E-10:45 p.m., C-9:45, M-8:45, P-7:45**  
**C — Jerry Cooper, Baritone**  
CFRB CKAC KFH KGKO KLRA  
KMBC KMOX KSCJ KTRH KTSB  
KVOR KWKH WABC WACO WADC  
WALA WBBM WBIG WBNS WBRC  
WBT WCAO WCAU WDAE WDBJ  
WDBO WDNC WDOO WDRC WFBL  
WFBM WFEA WGR WHAS WHCZ  
WHK WIBW WIBX WICC WJAS  
WJSV WKRC WLAC WLIZ WMAS  
WMBD WMBR WNOX WOC WOKO  
WORC WPG WQAM WREC WSJS  
WSMK WSPD

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

**E-11:30 p.m., C-10:30, M-9:30, P-8:30**  
**C — Dance Orchestra**  
CKAC KLRA WAAB WABC WADC  
WALA WBRC WBT WCAO WCAU  
WDAE WDBJ WDBO WDNC WDOO  
WDRC WEAN WFBL WFBM WFEA  
WGST WHAS WHCZ WHK WICC  
WJAS WJR WJSV WKBW WKRC  
WLAC WLIZ WMBG WMBR WNOX  
WOKO WORC WQAM WREC WSPD  
WTOC

**C — Burns and Allen**  
KDB KERN KFBK KFPY KFRC  
KGB KHJ KLZ KMJ KOIN KOL  
KSL KVI KVOR KWG

**B — House of Glass**  
KDYL KFI KFYR KOA KOMO KPO

KPRC KTBS WAPI WAVE WBAP  
WDAY WIBA WIRE WJDX WKY  
WMC WOAI WSB WSM WSMR  
WTMJ

**E-12:00 p.m., C-11:00, M-10:00, P-9:00**  
**R — Town Hall; Fred Allen**  
KDYL KFI KGW KHQ KOA KOMO  
KPO

## THURSDAY

**E-6:00 p.m., C-5:00, M-4:00, P-3:00**  
**C — Buck Rogers, See Monday**

**E-6:30 p.m., C-5:30, M-4:30, P-3:30**  
**C — Dance Orchestra**  
KLRA WAAB WABC WADC WALA  
WBIG WBRC WCAO WDAE WDBJ  
WDOO WDNC WDOO WFBL WGST  
WHEC WIBX WJSV WLAC WBLZ  
WMAS WORC WQAM WREC WSJS  
WSPD

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

**E-7:00 p.m., C-6:00, M-5:00, P-4:00**  
**C — Myrt and Marge, See Monday**

**R — Amos 'n' Andy, See Monday**  
**B — Easy Aces, See Tuesday**

**E-7:15 p.m., C-6:15, M-5:15, P-4:15**  
**R — Popeye, See Tuesday**

**E-7:30 p.m., C-6:30, M-5:30, P-4:30**  
**C — Kate Smith, See Tuesday**

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

**E-8:00 p.m., C-7:00, M-6:00, P-5:00**  
**C — Harv and Esther**  
KFAB KMBC KMOX KRNT WABC  
WADC WBBM WBNS WCAO WCAU  
WCCO WDRC WEAN WFBL WFBM  
WGR WHAS WHK WJAS WJR WJSV  
WKRC WMAS WNAV WOKO WSPD

**R — Rudy Vallee's Variety Hour**  
CFRC CRCT KDYL KFI KFYR  
KGW KHQ KOA KOMO KPO KSD  
KSTP KTAI KYW WBEN WCAE  
WCSH WDAF WDAY WFAE WFCB  
WEEI WFRB WGY WHO WJAR  
WLV WMAQ WOW WRC WTAG  
WTAM WTIC WTMJ WVJ

**E-8:30 p.m., C-7:30, M-6:30, P-5:30**  
**C — Atwater Kent Program**  
KDB KERN KFBK KFPY KFYR  
KFRC KGB KHJ KLZ KMBC KMJ  
KMOX KOIN KOL KOMA KRLL  
KRNT KSL KTRH KTSB KVI KWG  
WABC WADC WBBM WBT WCAO  
WCAU WCCO WDAE WDBO WDRC  
WEAN WFBL WFBM WGR WGST  
WHAS WHK WJAS WJR WJSV  
WKRC WLAC WLIZ WMBR WNAV  
WNOX WOKO WQAM WREC WSPD  
WVJ

**E-9:00 p.m., C-8:00, M-7:00, P-6:00**  
**C — Walter O'Keefe, See Tuesday**

**R — Maxwell House Show Boat**  
KDYL KFI KFSI KFYR KGHL  
KGIR KGW KHQ KOA KOMO KPO  
KPRC KSD KSTP KTAI KTBS  
KYW WAPI WAVE WBAP WBEN  
WCAE WCSH WDAF WDAY WFAE  
WFCB WEEI WFRB WFLA WGY  
WHO WHIO WIBA WIOD WIRE WIS  
WJAR WJAX WJDX WKY WMAQ  
WMC WOAI WOW WPTF WRC

WRVA WSAT WSB WSM WSMR  
WSOC WTAG WTAM WTAR WTTT  
WTMJ WWJ WWNC

**B — Death Valley Days**  
KDKA KOIL KSO KWK WBAI WBZ  
WBZA WFIL WGAR WHAM WJZ  
WLS WLW WMAL WMT WREN  
WSYR WXYZ

**E-9:30 p.m., C-8:30, M-7:30, P-6:30**  
**C — To Arms for Peace**  
KDB KERN KFBK KFBK KFH  
KFPY KFRC KGB KHJ KLZ KMBC  
KMJ KMOX KOIN KOL KOMA  
KRLL KRNT KSL KTRH KTSB  
KVI KWG KWKH WABC WADC  
WBBM WBNS WBRC WBT WCAO  
WCAU WCCO WDOO WDRC WFEA  
WFBM WFBM WGST WHAS WHCZ  
WHK WHP WISN WJAS WJR WJSV  
WKBW WKRC WLAC WMBG  
WMBR WNAV WOKO WQAM WREC  
WSPD WTOC WWL

**E-10:00 p.m., C-9:00, M-8:00, P-7:00**  
**C — Horace Heidt and Orchestra**

KDB KERN KFBK KFBK KFH  
KFPY KFRC KGB KHJ KLRA KLZ  
KMBC KMJ KMOX KOIN KOL  
KRLL KRNT KSL KTRH KTSB  
KTUL KVI KWG WABC WBBM  
WBNS WBRC WBT WCAO WCAU  
WCCO WDBO WDRC WFBL WFBM  
WGST WHAS WHK WISN WJAS  
WJR WJSV WKBW WKRC WLAC  
WMBG WNAV WNAK WOC WQAM  
WQAM WREC WWL

**R — Paul Whiteman's Music Hall**  
CFRC CRCT KDYL KFI KFYR  
KGW KHQ KOA KOMO KPO KPRC  
KSD KSTP KTAI KTBS KTHS  
KVOO KYW WAVE WBAP WBEN  
WCAE WCSH WDAF WDAY WFAE  
WFCB WEEI WFRB WFLA WGY  
WHO WIBA WIOD WISN WJAR  
WJAX WJDX WKY WLW WMAQ  
WMC WOAI WOW WPTF WRC  
WRVA WSB WSM WSMR WSOC  
WTAG WTAM WTAR WTTT WTMJ  
WVJ WWNC

**E-10:30 p.m., C-9:30, M-8:30, P-7:30**  
**C — March of Time, See Monday**

**E-10:45 p.m., C-9:45, M-8:45, P-7:45**  
**C — Mary Eastman, Soprano**  
CFRB CKAC KFH KGKO KLRA  
KMOX KRLL KSCJ KTRH KTSB  
KVOR KWKH WABC WACO WADC  
WALA WBBM WBIG WBNS WBRC  
WBT WCAO WCAU WCCO WDAE  
WDBJ WDBO WDNC WDOO WDRC  
WFBL WFBM WFEA WGR WHAS  
WHCZ WHK WIBW WIBX WICC  
WISN WJAS WKBW WKRC WLAC  
WLBZ WMAS WMBD WMBR WNAK  
WNOX WOC WOKO WORC WPG  
WQAM WREC WSBT WSJS WSMK  
WSPD WTOC

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

**C — Myrt and Marge, See Monday**  
**R — Amos 'n' Andy, See Monday**

**E-11:30 p.m., C-10:30, M-9:30, P-8:30**  
**C — Dance Orchestra**  
CFRB CKAC KLRA WAAB WABC  
WADC WALA WBNS WBRC WBT  
WCAO WCAU WDAE WDBJ WDBO

## THURSDAY (Continued)

WDNC WDOD WDRC WEAN WFBL  
WFBM WFEE WGST WHAS WHEC  
WHK WIBX WICC WJAS WJR  
WJSV WKBW WKWB WKRC WLAC  
WLBZ WMAS WMBG WMBR WNOX  
WOKO WORC WQAM WREC WSBT  
WSJS WSMK WSPD WTOC

C — Walter O'Keefe, See Tuesday

## FRIDAY

E-6:00 p.m., C-5:00, M-4:00, P-3:00

C — **Kaltenborn Edits News**

KFH KGKO KLRA KLZ KMBC  
KMOX KOMA KRLD KSCJ KSL  
KTRH K TSA KVOR KWKH WAAB  
WABC WADC WAEA WBBM WBIG  
WBNS WBRC WBT WCAO WCAU  
WDAE WDBJ WDBO WDNC WDOD  
WFBL WFBM WGST WHEC WHK  
WISN WJAS WJSV WKBW WLAC  
WLBZ WMBR WNOX WOKO WORC  
WQAM WREC WSBT WSJS WSMK  
WSPD WTOC

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

C — **Bobby Benson, See Monday**

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

B — **Lowell Thomas, See Monday**

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

C — **Myrt and Marge, See Monday**

R — **Amos 'n' Andy, See Monday**

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

C — **Lazy Dan, Minstrel Man**

CKAC KFAB KMOX KOMA KRNT  
WABC WADC WBBM WBNS WBCR  
WBT WCAO WCAU WCCO WDRC  
WEAN WFBL WFBM WJR WGST  
WHAS WHK WJAS WJR WJSV  
WKRC WMAS WMBG WNAC  
WOKO WSPD WWL

R — **Uncle Ezra, See Monday**

B — **Ivy Stamp Club, See Monday**

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

C — **Lum and Abner, See Monday**

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

C — **Boake Carter, See Monday**

B — **Dangerous Paradise, See Monday**

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

C — **Flying Red Horse Tavern**

KFAB KFH KMBC KMOX KRNT  
WABC WADC WBBM WBNS WCAO  
WCAU WCCO WDRC WEAN WFBL  
WFBM WGR WHAS WHEC WHK  
WIBW WICC WJAS WJR WJSV  
WKRC WLBZ WMAS WMBD WNAC  
WOKO WOKO WORC WSPD

R — **Citties Service Concert**

CRCT KOA KPBC KSD KSTP KTBS  
KTHS KYW WHEN WCAE WCSI  
WDAF WFAF WIBC WEEI WFAA  
WFBR WGY WHO WHIO WIOD  
WJAR WJAY WMAQ WQAI WOW  
WRC WRVA WSAI WTAG WTAM  
WTIC WTMJ WWJ

B — **Irene Rich; Drama**

KDKA KDYL KFI KGW KHQ KOIL  
KOMO KPO KSO KTKR KWK WAVE  
WBAL WBZ WBYA WCKY WFIL  
WGAR WHAM WIRE WJZ WLS  
WMAL WMC WMT WREN WSJ  
WSM WSYR WXYZ

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

B — **Bob Crosby and Orchestra**

KDKA KOIL KSO KWK WBAL WBZ

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

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

C — **Broadway Varieties**

KDB KERN KFAB KFBK KFPY  
KFRC KGB KHJ KLZ KMBC KMJ  
KMOX KOIN KOL KOMA KRNT  
KSL KVI KWG WABC WADC  
WBBM WBNS WBCR WBT WCAO  
WCAU WCCO WDRC WEAN WFBL  
WFBM WGR WGST WHAS WHK  
WJAS WJR WJSV WKRC WMAS  
WMBG WNAC WOKO WSPD WWL

B — **Red Nichols and Orchestra**

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

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

C — **Hollywood Hotel**

CFRB CKAC KDR KERN KFAB  
KFBK KFH KFPY KFRC KGB KHJ  
KLRA KLZ KMBC KMJ KMOX  
KOIN KOL KOMA KRLD KRNT  
KSCJ KSL KTRH K TSA KTUL KVI  
KVOR KWG KWKH WABC WADC  
WBBM WBNS WBCR WBT WCAO  
WCAU WCCO WDAE WDBJ WDBO  
WDRC WEAN WFBL WFBM WFAA  
WGST WHAS WHEC WHK WHP  
WIBW WIBX WICC WJAS WJR  
WJSV WKBW WKRC WLAC WLBY  
WMAS WMBD WMBG WMBR  
WQAM WNAX WNOX WOKO WORC  
WPG WQAM WREC WSPD WWL

R — **Frank Munn; Vivienne Segal**

KSD KYW WHEN WCAE WCSI  
WDAF WFAF WEEI WFBR WGY  
WJAR WLW WMAQ WOW WRC  
WTAG WTAM WWJ

B — **Palmolive Beauty Box Theatre**

CFCF KDKA KIYR KOIL KFRC  
KSO KSTP KTBS KWK WAPI  
WAVE WBAL WBZ WBYA WCKY  
WDAY WIBC WENR WFAA WFIL  
WFLA WGAR WHAM WIBA WIOD  
WIRE WIS WJAX WJDX WJZ WKY  
WLS WMAL WMC WMT WQAI  
WPTF WREN WRVA WSB WSM  
WSMB WSOX WSYR WTAR WTMJ  
WWNC WXYZ

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

R — **True Story Court**

KDYL KFI KFSD KGW KOA KOMO  
KPO KSD KTKR KYW WHEN  
WCAE WCSI WFAF WEEI WFBR  
WGY WHO WHIO WJAR WMAQ  
WOW WRC WTAG WTAM WTIC  
WWJ

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

C — **Richard Himber and Orchestra**

KFAB KFH KLZ KMBC KMOX  
KOMA KRLD KRNT KSL KTRH  
K TSA KTUL WAAB WABC WADC  
WBBM WBNS WCAO WCAU WCCO  
WDBJ WDRC WFBL WFBM WGST  
WHAS WHK WBX WJAS WJR  
WJSV WKBW WKRC WOKO WORC  
WBT WSPD

R — **Compana's First Nighter**

KDYL KFI KFSD KGW KHQ KOA  
KOMO KPO KPBC KSD KSTP  
KTKR KVVO KYW WHEN WCAE  
WCSI WDAF WFAF WEEI WFB  
WFAA WFBR WFLA WGY WHO  
WIOD WJAR WJAX WKY WLW  
WMAQ WMC WQAI WOW WRC

WRVA WSB WSM WSMB WTAG  
WTAM WTIC WTMJ WWJ WWNC

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

C — **March of Time, See Monday**

R — **Mills Brothers; Art Kassel**

KDYL KFI KFYR KGW KHQ KOA  
KOMO KPO KPBC KSD KSTP KTBS  
KTHS KVVO KYW WAVE WHEN  
WCAE WCSI WDAF WDAY WFAF  
WERC WEEI WFAA WFBR WFLA  
WGY WHO WIBA WIOD WIS  
WJAR WJAX WJDX WKY WMAQ  
WMC WQAI WOW WPTF WRC  
WRVA WSAI WSB WSMB WSOX  
WTAG WTAM WTAR WTIC WTMJ  
WWJ WWNC

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

C — **Myrt and Marge, See Monday**

R — **Amos 'n' Andy, See Monday**

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

C — **Dance Orchestra**

CFRB CKAC KLRA KSCJ WAAB  
WABC WADC WAEA WBNS WBCR  
WBT WCAO WCAU WDAE WDBJ  
WDBO WDNC WDOD WDRC WFBL  
WFAA WGST WHEC WHK WIBX  
WISN WJAS WJR WKBW WLAC  
WLBZ WMAS WMBD WMBG  
WMBR WNAX WNOX WOC WOKO  
WORC WPG WQAM WREC WSBT  
WSJS WSMK WSPD WTOC

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

C — **Dance Orchestra**

CFRB CKAC KLRA WAAB WABC  
WADC WAEA WBNS WBCR WBT  
WCAO WCAU WDAE WDBJ WDBO  
WDNC WDOD WDRC WEAN WFBL  
WFBM WFAA WGST WHAS WHEC  
WHK WIBX WICC WJAS WJR WJSV  
WKBW WKRC WLAC WLBY WMAS  
WMBG WMBR WNOX WOKO WORC  
WQAM WREC WSBT WSJS WSMK  
WSPD WTOC

B — **Palmolive Beauty Box Theatre**

KDYL KFI KESD KGHK KGRH  
KGW KHQ KOA KOMO KPO KTKR  
WLW

## SATURDAY

E-6:00 p.m., C-5:00, M-4:00, P-3:00

C — **Frederic William Wile**

KFH KGKO KLRA KLZ KMBC  
KMOX KOMA KRLD KSCJ KSL  
KTRH K TSA KVOR KWKH WAAB  
WABC WACO WADC WAEA WBBM  
WBIG WBCR WBT WCAO WCCO  
WDAE WDBJ WDBO WDNC WDOD  
WESG WFBL WFBM WGST WHEC  
WHK WIBW WIBX WISN WJAS  
WJR WJSV WKBW WKRC WLAC  
WLBZ WMBG WMBR WNOX WOKO  
WORC WQAM WREC WSBT WSJS  
WSMK WSPD WTOC

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

C — **Three Little Words**

CFRB KFH KGKO KLRA KLZ  
KMBC KMOX KOMA KRLD KSCJ  
KTRH KVOR KWKH WAAB WABC  
WACO WADC WAEA WBBM WBIG  
WBCR WCOA WCAU WDAE WDBJ  
WDBO WDNC WDOD WDRC WESG  
WFBL WFBM WFAA WGST WHEC  
WHK WIBW WIBX WICC WISN  
WJR WJSV WKBW WLAC WLBY  
WMAS WMBD WMBG WMBR  
WNOX WOC WOKO WORC WQAM  
WREC WSBT WSJS WSMK WSPD  
WTOC WWL

# SATURDAY (Continued)

**E-7:00 p.m., C-6:00, M-5:00, P-4:00**  
**C — Atlantic Family; Frank Parker**  
WABC WADP WBIG WBNS WBRE  
WBT WCAO WCAU WCHA WDAE  
WDBJ WDBO WDRC WEAN WFBG  
WFBL WGBI WGR WGST WHEC  
WHK WHP WIBX WICC WJAS  
WMA5 WMBG WMBR WNAC  
WNBF WOKO WORC WORL WQAM  
WRAK WSJS WTOG WYVA

**R — Old Gold Sport Page**  
KDYL KFYR KOA KPRC KSD  
KSTP KTBS KYW WAPI WAVE  
WBAP WBEH WCAE WCHS WDAF  
WDAY WEAF WEBC WEEL WFBR  
WFLA WGY WHIO WIBA WIOD  
WIRE WIS WJAR WJAX WJDX  
WKY WLW WMAQ WMC WOAI  
WOW WPTF WRC WRVA WSB  
WSM WSMB WSOC WTG WTAM  
WTAR WTIC WJW WYWC

**E-7:15 p.m., C-6:15, M-5:15, P-4:15**  
**R — Popeye. See Tuesday**

**E-7:30 p.m., C-6:30, M-5:30, P-4:30**  
**C — Carborundum Band**  
KEAB KMBC KMOX WABC WBBM  
WBT WCAO WCAU WCCO WEAN  
WFBL WGR WHAS WHK WJAS  
WJR WKRC WNAC

**E-8:00 p.m., C-7:00, M-6:00, P-5:00**  
**C — Walter Pitkin. Interviews**  
CFRB CKAC KFH KGKO KLRA  
KLZ KMBC KMOX KOMA KSCJ  
KSL KTRH KVOR KWKH WABC  
WACO WADP WALA WBIG WBNS  
WBRC WCAO WCAU WCCO WDAE  
WDBJ WDBO WDNC WDOD WDRC  
WEAN WFBL WFBM WFEA WGR  
WGST WHAS WHIC WHK WIBW  
WIBX WICC WISN WJAS WJR  
WJSV WKRC WLAC WLBY WMA5  
WMBD WMBG WMBR WNAC  
WNXN WOC WOKO WORC WQAM  
WREC WSBT WSJS WSPD WTOG

**R — The Hit Parade**  
KDYL KFI KFSB KFYR KGHL  
KGIR KGU KGW KHQ KOA KOMO  
KPO KPRC KSD KSTP KTAR KTBS  
KYW WAPI WAVE WBAP WBEH  
WCAE WCHS WDAF WDAY WEAF  
WEBC WEEL WFBR WFLA WGY  
WHIO WHIO WIBA WIOD WIRE  
WIS WJAR WJAX WJDX WKY  
WLW WMAQ WMC WOAI WOW  
WPTF WRC WRVA WSB WSM  
WSMB WSOC WTG WTAM WTAR  
WTIC WTMJ WJW WYWC

**E-8:30 p.m., C-7:30, M-6:30, P-5:30**  
**C — Krueger Musical Tost**  
WABC WBIG WBT WDAE WDBJ  
WDBO WDNC WDOD WDRC WEAN  
WFBL WFEA WGST WJSV WKRW  
WLBY WMA5 WMBG WMBR WNAC  
WNBF WNAX WOKO WORC WQAM  
WTOG

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

**R — Chevrolet Program**  
KDYL KFI KFSB KFYR KGHL  
KGIR KGU KHQ KOA KOMO KPO  
KPRC KSD KSTP KTAR KTBS  
KTIS KYW WAPI WAVE WBAP  
WBEH WCAE WCHS WDAF WDAY  
WEAF WEBC WEEL WFBR WFLA  
WGY WIBA WIOD WIRE WIS  
WJAR WJAX WJDX WKY WLW  
WMAQ WMC WOAI WOW WPTF

WRC WRVA WSB WSMB WSOC  
WTAG WTAM WTAR WTIC WTMJ  
WJW WYWC

**E-9:30 p.m., C-8:30, M-7:30, P-6:30**  
**C — Marty May; Johnny Augustine**  
CFRB CKAC KFH KGKO KLRA  
KLZ KMBC KMOX KOMA KRLD  
KSCJ KSL KTRH K TSA KVOR  
KWKH WABC WACO WADC WALA  
WBBM WBIG WBNS WBRC WBT  
WCAO WCAU WDAE WDBJ WDBO  
WDNC WDOD WDRC WEAN WFBL  
WFBM WFEA WGST WHAS WHIC  
WHK WIBW WIBX WICC WISN  
WJAS WJR WJSV WKRW WKRC  
WLAC WLBY WMA5 WMBD WMBG  
WMBR WNAC WNAX WOC WOKO  
WORC WPG WQAM WREC WSBT  
WSJS WSPD WTOG

**R — Shell Chateau; Wallace Beery**  
KDYL KFI KFSB KFYR KGHL  
KGIR KGU KHQ KOA KOMO KPO  
KSD KSTP KTAR KYW WBEH  
WCAE WCHS WDAF WDAY WEAF  
WEBC WEEL WFBR WGY WIBA  
WJAR WJW WMAQ WOW WPC  
WTAG WTAM WTIC WTMJ WJW

**B — National Barn Dance**  
KDKA KOIL KPRC KSO KTBS  
KTBS KVOO KWK WAPI WAVE  
WBAP WBZ WRZA WFIL  
WGR WHAM WIRE WJDX WJZ  
WKY WLS WMAL WMC WMT  
WOAI WOOD WREN WSB WSMB  
WSYR WYZZ

**E-10:30 p.m., C-9:30, M-8:30, P-7:30**  
**C — Public Opinion**

CFRB CKAC KFH KGKO KLRA  
KLZ KMBC KMOX KOMA KSCJ  
KTRH K TSA KVOR KWKH WABC  
WACO WADC WALA WBBM WBIG  
WBNS WBRC WBT WCAO WCAU  
WCCO WDAE WDBJ WDBO WDNC  
WDOD WDRC WEAN WFBL WFBM  
WFEA WHAS WHIC WHK WHW  
WIBX WICC WISN WJAS WJR  
WJSV WKRW WKRC WLAC WLBY  
WMA5 WMBD WMBG WMBR  
WNAC WNAX WOC WOKO WORC  
WPG WQAM WREC WSBT WSJS  
WSMK WSPD WTOG

**E-11:00 p.m., C-10:00, M-9:00, P-8:00**  
**C — Dance Orchestra**

CFRB CKAC KFH KGKO KLRA  
KLZ KMBC KMOX KOMA KRLD  
KSCJ KSL KTRH K TSA KVOR  
KWKH WABC WACO WADC WALA  
WBBM WBNS WBRC WBT WCAO  
WCAU WCCO WDAE WDBJ WDBO  
WDNC WDOD WDRC WFBL WFBM  
WFEA WGST WHAS WHIC WHK  
WIBW WIBX WICC WISN WJAS  
WJR WJSV WKRW WKRC WLAC  
WLBY WMA5 WMBD WMBG  
WMBR WNAX WNAX WOC WOKO  
WORC WQAM WREC WSBT WSJS  
WSMK WSPD WTOG

**B — National Barn Dance**  
KDYL KFI KFSB KFYR KGHL  
KGIR KGU KGW KHQ KOA KOMO  
KPO KSTP KTAR WDAY WEBC  
WIBA WLW WTMJ

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

CFRB CKAC KFH KGKO KLRA  
KLZ KMBC KMOX KOMA KSL  
KTRH K TSA KVOR KWKH WABC  
WACO WADC WALA WBNS WBRC  
WBT WCAO WCAU WDAE WDBJ  
WDBO WDNC WDOD WDRC WEAN

WFBL WFBM WFEA WGST WHAS  
WHEC WHK WIBW WIBX WICC  
WJAS WJR WKRW WKRC WLAC  
WLBZ WMA5 WMBG WMBR WNAX  
WOKO WORC WQAM WREC WSBT  
WSJS WSMK WSPD WTOG

**E-12:00 p.m., C-11:00, M-10:00, P-9:00**  
**C — Dance Orchestra**

CKAC KFH KLRA KMBC KMOX  
KOMA KRLD KSCJ KSL KTRH  
K TSA KVOR KWKH WABC WBBM  
WBNS WBRC WCAU WCCO WDNC  
WDOD WEAN WFBL WFBM WGST  
WIBW WIBX WICC WISN WJR  
WKRW WKRC WLAC WMBD  
WMBR WNAX WOC WOKO WQAM  
WSBT WSMK WSPD

# SUNDAY

**E-11:30 a.m., C-10:30, M-9:30, P-8:30**  
**C — Salt Lake Tabernacle Choir**

KFH KGKO KLRA KLZ KMBC  
KOMA KRLD KSCJ KSL KTRH  
K TSA KWKH WACO WADC WALA  
WBIG WBNS WBRC WBT WCCO  
WDBO WDNC WDOD WDRC WFBL  
WFBM WFEA WGST WHAS WIBW  
WIBX WISN WJAS WJR WJSV  
WKRW WKRC WLAC WLBY WMA5  
WMBD WMBR WNAC WNAX  
WNXN WOKO WORC WQAM WREC  
WSBT WSMK WSPD WTOG

**R — Major Bowes' Capitol Family**

KDYL KFYR KOA KPRC KSTP  
KTBS KVVO WAPI WCAE WDAF  
WDAY WEAF WEBC WFAA WFBR  
WFLA WGY WHIO WHIO WJAR  
WJAX WKY WMAQ WMC WOAI  
WRC WRVA WSAI WSBM WTAG  
WTAM WYWC

**E-12:30 p.m., C-11:30, M-10:30, P-9:30**  
**B — Radio City Music Hall**

CFCE CRCT KDKA KDYL KFI  
KFIYR KGO KGW KHQ KOIL KOMO  
KPRC KSO KVVO WAPI WBAL  
WBZ WBZA WCKY WDAY WEBC  
WGR WHAM WIS WJDX WJZ  
WKY WMAL WOAI WREN WSMB  
WSYR WYWC

**E-12:45 p.m., C-11:45, M-10:45, P-9:45**  
**C — Trans-Atlantic Broadcast**

CFRB CKAC KFH KGKO KLRA  
KLZ KMBC KRLD KSCJ KTRH  
K TSA KVOR WABC WACO WADC  
WALA WBIG WBRC WCAO WCAU  
WCCO WDAE WDBJ WDBO WDRC  
WEAN WESG WFBL WFBM WFEA  
WGR WHAS WIBX WJAS WJSV  
WKRW WLAC WLBY WMBD WMBR  
WNAC WOC WOKO WORC WPG  
WQAM WREC WBSJS WSMK WSPD  
WTOG WWL

**E-1:00 p.m., C-12:00, M-11:00, P-10:00**  
**C — Church of the Air**

KFH KGKO KLRA KOMA KRLD  
KSCJ KSL KTRH K TSA KVOR  
KWKH WABC WACO WALA WBNS  
WBT WCAO WCCO WDAE WDBJ  
WDBO WDOD WESG WFBM WGR  
WHAS WHIC WIBW WIBX WJAS  
WJSV WKRW WKRC WLAC WLBY  
WMBD WMBR WOC WOKO WORC  
WPG WQAM WREC WSBT WSJS  
WSPD

**E-1:30 p.m., C-12:30, M-11:30, P-10:30**  
**C — Musical Footnotes**

KMBC KMOX KRNT WABC WBBM  
WBNS WCAU WCCO WGR WHAS

**SUNDAY (Continued)**

**WJAS WJR WJSV WKRC WNAC WREC**

**E-1:45 p.m., C-12:45, M-11:45, P-10:45 C — Sisters of the Skillet**

KDB KERN KFAB KFBK KFPY KPRC KGB KHJ KLZ KNBC KMJ KMOX KOIN KOL KOMA KRLL KSL KTRH KTSa KVI KWG WABC WADC WBBM WBNS WBRC WBT WCAO WCAU WCCO WDBJ WDRC WEAN WFBL WFBM WFTC WHAS WHEC WHK WHR WHP WISB WICC WJAS WJR WJSV WKBW WKRC WMBG WNAC WNOX WOKO WORC WREC WTOC WWL

**E-2:00 p.m., C-1:00, M-12:00, P-11:00 B — Magic Key of RCA**

CFCF CRCT KDKA KDYL KFI KFYR KGU KGW KHQ KOA KOIL KOMO KPO KPRC KSO KSTP KTBS KTIS KYOO KWK WAPI WAVE WBAL WBZ WBZA WCKY WDAY WEBC WENR WFAA WFIL WFLA WGAR WHAM WHIO WIBA WIOD WIRE WIS WJAX WJDX WJZ WKY WMAL WMC WMT WOAI WPTF WREN WRVA WSB WSM WSMB WSOC WSYR WTAR WTMJ WWNC WXYZ

**E-2:30 p.m., C-1:30, M-12:30, P-11:30 C—Johnny Augustine and Orchestra**

CFRB CKAC KFH KGKO KLRA KLZ KNBC KRLL KSCJ KTRH KTSa KVOR KWKH WABC WADC WALA WBG WBNS WBRC WBT WCAO WCAU WCCO WDAE WDBJ WDBO WDNC WDOD WDRC WEAN WESG WFBL WFBM WFCB WGST WHAS WHEC WHK WIBX WIBX WICC WISN WJAS WJR WKBW WKBW WKRC WLAC WLZB WMAS WMBD WMBG WMBR WNAC WNOX WOC WOKO WORC WPG WQAN WRC WRES WSJG WSMK WSPD WTOC WWL

**R — Vox Pop; Sidewalk Interviews**  
KSD KYW WBNB WCAE WCSH WDAF WEAF WFBR WGY WHO WHO WIRE WJAR WMAQ WOW WRC WSAI WTAG WTAM WTIC WWJ

**E-3:00 p.m., C-2:00, M-1:00, P-12:00 C — Philharmonic Symphony**

CFRB CKAC KFH KGKO KLRA KLZ KOMA KRLL KSCJ KSL KTRH KTSa KVOR KWKH WABC WADC WADC WALA WBBM WBG WBNS WBRC WBT WCAO WCCO WDAE WDBJ WDBO WDNC WDOD WDRC WEAN WESG WFBL WFBM WFEA WGST WHAS WHEC WHK WIBX WIBX WKBW WKBW WKRC WLAC WLZB WMAS WMBD WMBG WMBR WNAC WNOX WOC WOKO WORC WQAM WREC WSBT WSJS WSMK WSPD WTOC

**B — Your English**  
KDKA KDYL KFI KGW KHQ KOA KOIL KOMO KPO KPRC KSO KSTP KTBS KYOO KWK WAPI WAVE WBAL WBZ WBZA WDAY WEBC WENR WFAA WFIL WFLA WGAR WHAM WIOD WJAX WJZ WKY WLW WMAL WMC WMT WOAI WPTF WREN WRVA WSB WSM WSMB WSYR WXYZ

**E-3:15 p.m., C-2:15, M-1:15, P-12:15 B — Pine Mountain Merry-makers**  
KDKA KFYR KOIL KSO KSTP KWK WBAL WBZ WBZA WDAY WEBC WENR WFIL WGAR WHAM WIBA WJZ WLW WMAL WMT WREN WSYR WXYZ

**E-4:00 p.m., C-3:00, M-2:00, P-1:00 Rev. Charles E. Coughlin**

KFEL KNN KSFQ KSTP KYOD KWK WATR WCAO WCAU WDRC WEAN WFBL WFEA WGAR WGR WIR WHO WICC WISN WJAS WJDX WJR WLBZ WLH WLW WMAS WNAC WNBH WOKO WOL WOR WORC WOW WRDO

**E-5:00 p.m., C-4:00, M-3:00, P-2:00 C — Abe Lyman and Orchestra**

CFRB KFAB KNBC KMOX KRNT WAAB WABC WADC WBBM WCAO WCAU WCCO WDRC WEAN WFBL WFBM WHAS WHEC WHK WJAS WJR WJSV WKBW WKRC WOKO WSPD

**R — Penthouse Serenade**

CFCF KDYL KFI KFYR KGW KHQ KOA KOMO KPO KPRC KSTP KTBS KTIS KYOO KYW WAPI WAVE WBRP WBNB WCAE WCSH WDAF WDAY WEAF WEBC WEEL WFBR WFLA WGY WHIO WIBA WIOD WIS WJAR WJAX WJDX WKY WMAQ WMC WOAI WOW WPTF WRC WRVA WSAI WSB WSM WSMB WSOC WTAG WTAM WTAR WTIC WWJ WWNC

**B — Roses and Drums**

KDKA KOIL KSO KWK WBAL WBZ WBZA WENR WFL WGAR WHAM WJZ WLW WMAL WMT WREN WSYR WXYZ

**E-5:30 p.m., C-4:30, M-3:30, P-2:30 C — Frank Crumit; Julia Sanderson**

KFH KNBC KMOX KOMA KTUL WAAB WABC WADC WBNS WCAO WCAU WDRC WEAN WFBL WFBM WGR WHAS WHEC WHK WIBX WICC WJR WJSV WMAS WOKO WORC WSPD WWL WWVA

**R — Dream Drama**

KYW WBNB WCAE WCSH WDAF WEAF WEEL WFBR WGY WJAR WMAQ WRC WSAI WTAG WTAM WTIC WWJ

**B — Bob Becker's Dog Chats**

KDKA KOIL KSO KWK WBAL WRZ WBZA WCKY WENR WFIL WGAR WHAM WJZ WMAL WMT WREN WSYR WXYZ

**E-5:45 p.m., C-4:45, M-3:45, P-2:45 R — Music by Al Goodman**

KSD KYW WBNB WCAE WCSH WDAF WEAF WEEL WFBR WGY WHO WHO WIRE WJAR WMAQ WOW WRC WSAI WTAG WTAM WTIC WWJ

**B — Gabriel Heatter. News Review**

KDKA KOIL KSO KWK WAPI WAVE WBAL WBZ WBZA WCKY WENR WFIL WGAR WHAM WJDX WJZ WMAL WMC WMT WREN WSB WSM WSMB WSYR WXYZ

**E-6:00 p.m., C-5:00, M-4:00, P-3:00 C — National Amateur Night**

CFRB CKAC KDB KERN KFAB KFBK KFPY KERC KGB KHJ KLZ KNBC KNJ KMOX KOIN KOL KRLL KSL KVI KWG WAAB WABC WBBM WBNS WBT WCAO WCAU

WCCO WDRC WFBL WFBM WGST WHAS WHEC WHK WJAS WJR WJSV WKBW WKRC WLAC WOKO WREC WWL

**E-6:30 p.m., C-5:30, M-4:30, P-3:30 C — Smiling Ed McConnell**

KDB KERN KFAB KFBK KFH KFPY KERC KGB KHJ KLZ KMJ KMOX KOIN KOL KRLL KRNT KSL KVI KWG WAAB WABC WBBM WBNS WBRC WBT WCAO WCAU WCCO WDBJ WDRC WEAN WFBL WHAS WHEC WHK WJAS WJR WJSV WKBW WKRC WLAC WWL WWVA

**B — Compana's Grand Hotel**

KDKA KDYL KFI KHQ KOA KOIL KOMO KPO KSO WBAL WBZ WBZA WCKY WENR WGAR WHAM WJZ WMAL WMT WREN WSYR

**E-6:45 p.m., C-5:45, M-4:45, P-3:45 C — Voice of Experience**

KMOX WAAB WABC WADC WBBM WBT WCAO WCAU WCCO WDRC WEAN WFBL WFBM WIAS WHEC WHK WJAS WJR WKBW WKRC WSPD WWVA

**E-7:00 p.m., C-6:00, M-5:00, P-4:00 C — Alexander Woolcott**

KDB KERN KFAB KFBK KFPY KPRC KGB KHJ KLZ KNBC KMJ KMOX KOIN KOL KRLL KRNT KSL KVI KWG WABC WBBM WCAO WCAU WCCO WDRC WFBL WGR WHAS WHK WJAS WJR WJSV WKRC WNAC WOKO

**B — Jack Benny; Johnny Green**

CFCF CRCT KDKA KFYR KOIL KPRC KSO KSTP KTBS KYOO KWK WAVE WBAL WBZ WBZA WDAY WEBC WENR WFAA WFIL WFLA WGAR WHAM WIBA WIOD WIS WJAX WJDX WJZ WKY WLW WMAL WMC WMT WOAI WPTF WREN WRVA WSB WSM WSMB WSOC WSYR WTAR WTMJ WWNC WXYZ

**E-7:30 p.m., C-6:30, M-5:30, P-4:30 C — Phil Baker; Hal Kemp**

KLRA KLZ KRLL KTRH KTSa KWKH WABC WACO WADC WALA WBG WBNS WBRC WBT WCAO WCAU WCOA WDAE WDBJ WDBO WDNC WDOD WDRC WEAN WFBL WFBM WFEA WGR WGST WHAS WHEC WHK WHP WIBX WICC WJAS WJR WJSV WKBW WKRC WLAC WLZB WMAS WBNB WNAC WNBW WNOX WOKO WORS WQAM WREC WSBT WSGA WSJS WSMK WSPD WTOC WWL WWVA

**R — Fireside Recitals**

KSD KYW WBNB WCAE WCSH WDAF WEAF WFBR WGY WHO WIRE WJAR WMAQ WOW WRC WSAI WTAG WTAM WTIC WWJ

**B — Ozzie Nelson; Robt. L. Ripley**

KDKA KDYL KFI KFYR KGW KHQ KOA KOIL KOMO KPO KPRC KSO KSTP KTAI KVOO KWK WBAL WBZ WBZA WCKY WDAY WEBC WFAA WFLA WGAR WHAM WIBA WIOD WJAX WJDX WJZ WKY WLS WMAL WMC WMT WOAI WPTF WREN WRVA WSB WSM WSMB WSYR WTMJ WWNC WXYZ

**E-7:45 p.m., C-6:45, M-5:45, P-4:45 R — Sunset Dreams; Morin Sisters**

CFCF CRCT KSD KYW WBNB

# SUNDAY (Continued)

WCAE WCSH WDAF WFAE WFBR  
WGY WHO WHIO WIRE WJAR  
WLW WMAQ WOOD WOW WRC  
WTAG WTAM WTIC WWJ

**E-8:00 p.m., C-7:00, M-6:00, P-5:00**  
**C — Eddie Cantor**

KFAB KFH KIRA KLZ KMBC  
KNOX KOMA KRLL KRNT KTRH  
KTSB KTUL KWKH WABC WADC  
WBBM WBNS WBRC WBT WCAO  
WCAU WCOO WDOD WDRC WEAN  
WFBL WFBM WGR WGST WHAS  
WHFC WHK WICC WJAZ WJR  
WJW WKRC WLAC WNAC WOKO  
WOW WSPD WWSL

**R — Major Bowes' Amateur Hour**

CFCE CRCT KDYL KFI KFYZ  
KGW KHQ KOA KOMO KPO KPRC  
KSD KSTP KTAR KVOO KYW  
WAVE WBEN WBZ WBZA WCAE  
WCSH WDAF WDAY WFAE WFCB  
WFAA WFBR WFLA WGY WHO  
WIOD WIS WJAR WJAX WJDX  
WKY WLW WMAQ WMC WOAI  
WOW WPTF WRC WRVA WSB  
WSM WSMB WTAG WTAM WTAR  
WTIC WTMJ WWJ WWNC

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

**C — Leslie Howard, Drama**  
KDB KERN KFAB KFBC KFPY  
KFRC KGB KHJ KIRA KLZ KMBC  
KMJ KMOH KOIN KOL KOMA  
KRLL KRNT KSL KTRH KTUL  
KVI KWG WABC WADC WBBM  
WBNS WBRC WBT WCAO WCAU  
WCCO WDRC WEAN WFBL WFBM  
WGR WHAS WHFC WHK WJAZ  
WJR WJSV WKRC WLAC WNAC  
WOKO WOWO WREC WSPD WWL

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

**C — Ford Concert**  
CFRB CKAC KDB KERN KFAB  
KFBC KFH KFY KFRC KGB  
KGKO KHJ KIRA KLZ KMBC KMJ  
KMOH KOH KOIN KOL KOMA  
KRLL KRNT KSCJ KSL KTRH  
KTSB KTUL KVI KVOR KWG  
KWKH WABC WACO WADC WALA  
WBBM WBIG WBNS WBRC WBT  
WCAO WCAU WCCO WCOA WDAE  
WDBJ WDOO WDNC WDOD WDRC  
WEAN WFBL WFBM WFEA WGST  
WHAS WHEC WHK WHP WIBW  
WIBX WICO WISN WJAZ WJR  
WJSV WKBH WKBN WKBW WKRC  
WLAC WLBZ WMAS WMBD WMBR

WNAC WNAX WNOX WOC WOKO  
WORC WOWO WQAM WREC WSBT  
WSCA WSJS WSMK WSPD WTOG  
WWL

**R — Manhattan Merry-Go-Round**  
CFCE KDYL KFI KFYZ KGW KHQ  
KOA KOMO KPO KSD KSTP KYW  
WBEN WCAE WCSH WDAF WDAY  
WFAE WFCB WFBR WGY WHO  
WHIO WIBA WJAR WMAQ WOW  
WRC WSAI WTAG WTAM WTIC  
WTMJ WWJ

**B — Charles Previn; Olga Albani**  
KDKA KOIL KSO KWK WBAL WBZ  
WBZA WENR WFIL WGAR WHAM  
WJZ WLW WMAL WMT WREN  
WSYR WXYZ

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

**R — Album of Familiar Music**  
CFCE CRCT KDYL KFI KFYZ  
KGW KHQ KOA KOMO KPO KPRC  
KSD KSTP KTBS KYW WAPI  
WAVE WBEN WCAE WCSH WDAF  
WDAY WFAE WFCB WEEI WFAA  
WFBR WFLA WGY WHO WHIO  
WIBA WIOD WIS WJAR WJAX  
WJDX WKY WMAQ WMC WOAI  
WOW WPTF WRC WRVA WSAI  
WSB WSM WSMB WSOB WTAG  
WTAM WTAR WTMJ WWJ WWNC

**B — Walter Winchell**

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

**E-9:45 p.m., C-8:45, M-7:45, P-6:45**

**B — Niela Goodelle, Songs**  
KDKA KOIL KSO KWK WBAL WBZ  
WBZA WCKY WENR WFIL WGAR  
WHAM WJZ WMAL WMT WREN  
WSYR WXYZ

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

**C — Wayne King and Orchestra**  
KDB KERN KFAB KFBC KFPY  
KFRC KGB KHJ KLZ KMBC KMJ  
KMOX KOIN KOL KRLL KSL KVI  
KWG WAAB WABC WADC WBBM  
WBNS WCAO WCAU WCCO WDRC  
WFBL WFBM WHAS WHK WIBW  
WJAZ WJR WJSV WKBW WKRC  
WOKO WSPD WWL

**R — General Motors Concert**

CFCE CRCT KDYL KFI KFSD  
KFYZ KGHL KGIR KGU KGW  
KHQ KOA KOMO KPO KPRC KSTP  
KTAR KTBS KTHS KYW WAPI

WAVE WBAP WBEN WCAE WCSH  
WDAF WDAY WFAE WFCB WEEI  
WFBR WFLA WGY WHO WHIO  
WIBA WIOD WIRE WIS WJAR  
WJAX WJDX WKY WMAQ WMC  
WOAI WOW WPTF WRC WRVA  
WSAI WSB WSM WSMB WSOB  
WTAG WTAM WTAR WTMJ WTNJ  
WWJ WWNC

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

**C — Freddie Rich and Orchestra**  
KIRA WABC WALA WBIG WBRC  
WBT WCAO WCAU WDAE WDBJ  
WDBO WDNC WDOD WDRC WEAN  
WFAE WGST WICC WJSV WLAC  
WLBZ WMAS WMBG WMBR WNAC  
WORC WQAM WREC WSJS WTOG

**C — Jack Hylton and Orchestra**

KFAB KFH KLZ KMBC KMOX  
KRNT KSCJ KVOR WBBM WCCO  
WFBM WIBW WISN WJR WKBH  
WMBD WOC WOWO WSBT

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

**C — Eddie Cantor**  
KDB KERN KFBC KFPY KFRC  
KGB KHJ KMJ KOIN KOL KSL  
KVI KWG

**R — The Melody Master**

KYW WBEN WCAE WFAE WEEI  
WFBR WGY WJAR WMAQ WRC  
WTAG WTAM WTIC WWJ

**R — Sunset Dreams; Morin Sisters**

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

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

**B — Walter Winchell**  
KDYL KFI KFSD KGHL KGIR  
KGW KHQ KOA KOMO KPO KPRC  
KTAR KTBS KTHS WAPI WAVE  
WBAP WDX WKY WMC WOAI  
WSB WSM WSMB

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

**C — Voice of Experience**  
KDB KERN KFBC KFPY KFRC  
KGB KHJ KLZ KMJ KOIN KOL KSL  
KVI KWG

**B — Jack Benny; Johnny Green**

KDYL KFI KFSD KGHL KGIR  
KGU KGW KHQ KOA KOMO KPO  
KTAR

**E-12:00 p.m., C-11:00, M-10:00, P-9:00**

**B — Charles Previn; Olga Albani**  
KDYL KFI KGW KHQ KOA KOMO  
KPO

## CLASSIFIED INDEX TO CHAIN PROGRAMS

*Time in Eastern Standard*

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

*These features are correct at the time of going to press,  
but changes are being made daily.*

### CONCERTS

Armco Iron Master, 10:30 p.m. Monday, B  
Atwater Kent Concert, 8:30 p.m. Thursday, C  
Ford Concert, 9:00 p.m. Sunday, C  
General Motors Concert, 10:00 p.m. Sunday, R  
Philharmonic Symphony, 8:00 p.m. Sunday, C  
Radio City Music Hall, 12:30 p.m. Sunday, B

### DANCE BANDS

Victor Arden, 8:00 p.m. Thursday; 8:30 p.m. Friday, B  
Johnny Augustine, 2:30 p.m. Sunday; 9:30 p.m.  
Saturday, C  
Ben Bernie, 9:00 p.m. Tuesday, B  
Ray Block, 8:30 p.m. Saturday, C  
Bob Crosby, 8:15 p.m. Friday, B



Al Goodman, 5:45 p.m. Sunday, R; 9:00 and 11:30 p.m. Friday, B  
 Glen Gray, 9:00 and 11:30 p.m. Tuesday and Thursday, C  
 Johnny Green, 7:00 and 11:30 p.m. Sunday, B  
 Horace Heidt, 10:00 p.m. Thursday, C  
 Richard Himber, 10:00 p.m. Friday, C  
 Jack Hylton, 10:30 p.m. Sunday, C  
 Art Kassel, 10:30 p.m. Friday, R  
 Hal Kemp, 7:30 p.m. Sunday, C  
 Wayne King, 10:00 p.m. Sunday and Monday, C; 8:30 p.m. Tuesday and Wednesday, R  
 Guy Lombardo, 8:00 p.m. Monday, C  
 Abe Lyman, 5:00 p.m. Sunday, C; 9:00 p.m. Friday, R  
 Ozzie Nelson, 7:30 p.m. Sunday, B  
 Red Nichols, 8:30 p.m. Friday, B  
 Ray Noble, 9:30 p.m. Wednesday, C  
 Raymond Paige, 9:00 p.m. Friday, C  
 Charles Previn, 9:00 and 12:00 p.m. Sunday, B  
 Leo Reisman, 8:00 and 11:30 p.m. Tuesday, R  
 Freddie Rich, 10:30 p.m. Sunday; 8:00 p.m. Friday, C  
 Rudy Vallee, 8:00 p.m. Thursday, R  
 Fred Waring, 9:30 and 12:00 p.m. Tuesday, C  
 Paul Whiteman, 10:00 p.m. Thursday, R  
 Victor Young, 9:30 p.m. Saturday, R

#### DIALOG

Fred Allen, 9:00 and 12:00 p.m. Wednesday, R  
 Amos 'n' Andy, 7:00 and 11:00 p.m. daily, except Sat. and Sun., R  
 Phil Baker, 7:30 p.m. Sunday, C  
 Jack Benny, 7:00 and 11:30 p.m. Sunday, B  
 Burns and Allen, 8:30 and 11:30 p.m. Wednesday, C  
 Eddie Cantor, 8:00 and 11:00 p.m. Sunday, C  
 Easy Aces, 7:00 p.m. Tues., Wed., and Thurs., B  
 Fibber McGee and Molly, 8:00 p.m. Monday, B  
 Harv and Esther, 8:00 p.m. Thursday, C  
 Lum and Abner, 7:30 p.m. daily, except Sat. and Sun., B  
 Marty May, 9:30 p.m. Saturday, C  
 Walter O'Keefe, 9:00 and 11:30 p.m. Tues. and Thurs., C  
 Pick and Pat, 8:30 and 11:30 p.m. Monday, C  
 Popeye, The Sailor, 7:15 p.m. Tues., Thurs. and Sat., R  
 Sisters of Skillet, 1:45 p.m. Sunday, C

#### DRAMA

Cavalcade of America, 8:00 p.m. Wednesday, C  
 Dangerous Paradise, 7:45 p.m. Mon., Wed. and Fri., B  
 Death Valley Days, 9:00 p.m. Thursday, B  
 Dream Drama, 5:30 p.m. Sunday, R  
 Eno Crime Clues, 8:00 p.m. and 12:30 a.m. Tuesday, B  
 First Nighter, 10:00 p.m. Friday, R  
 Grand Hotel, 6:30 p.m. Sunday, B  
 Helen Hayes, 12:00 mid. Monday; 9:30 p.m. Tues., B  
 House of Glass, 8:30 and 11:30 p.m. Wednesday, B  
 Leslie Howard, 8:30 p.m. Sunday, C  
 Warden Lawes, 9:30 p.m. Wednesday, B  
 Lux Radio Theatre, 9:00 p.m. Monday, C  
 March of Time, 10:30 p.m. daily, except Sat. and Sun., C  
 Myrt and Marge, 7:00 and 11:00 p.m. daily, except Sat. and Sun., C  
 One Man's Family, 8:00 p.m. Wednesday, R  
 Princess Pat Players, 9:30 p.m. Monday, B  
 Irene Rich, 8:00 p.m. Friday, B  
 Buck Rogers, 6:00 p.m. Mon., Tues., Wed., Thurs., C  
 Roses and Drums, 5:00 p.m. Sunday, B  
 True Story Court, 9:30 p.m. Friday, R  
 Welcome Valley, 8:30 p.m. Tuesday, B

#### POPULAR PROGRAMS

A. & P. Gypsies, 9:00 p.m. Monday, R  
 Album of Familiar Music, 9:30 p.m. Sunday, R  
 Atlantic Family, 7:00 p.m. Saturday, C  
 Major Bowes, 11:30 a.m. and 8:00 p.m. Sunday, R  
 Broadway Varieties, 8:30 p.m. Friday, C  
 Camel Program, 9:00 and 11:30 p.m. Tues. and Thurs., C  
 Carborundum Band, 7:30 p.m. Saturday, C  
 Chesterfield Program, 9:00 p.m. Wed. and Sat., C  
 Chevrolet Program, 9:00 p.m. Saturday, R  
 Cities Service Concert, 8:00 p.m. Friday, R  
 Contented Program, 10:00 p.m. Monday, R  
 Evening in Paris, 8:30 p.m. Monday, B  
 Fireside Recitals, 7:30 p.m. Sunday, R  
 Fleischmann Variety Hour, 8:00 p.m. Thursday, R  
 Flying Red Horse Tavern, 8:00 p.m. Friday, C  
 Hammerstein's Music Hall, 8:00 p.m. Monday, R  
 Hit Parade, 8:00 p.m. Saturday, R

Hollywood Hotel, 9:00 p.m. Friday, C  
 Imperial Hawaiian Band, 7:15 p.m. Wednesday, C  
 Jumbo-Fire Chief Show, 9:30 p.m. Tuesday, R  
 Log Cabin Revue, 10:00 p.m. Wednesday, R  
 Magic Key of RCA, 2:00 p.m. Sunday, B  
 Manhattan Merry-Go-Round, 9:00 p.m. Sunday, R  
 Maxwell House Show Boat, 9:00 p.m. Thursday, R  
 Melody Master, 11:00 p.m. Sunday, R  
 Musical Footnotes, 1:30 p.m. Sunday, C  
 National Amateur Night, 6:00 p.m. Sunday, C  
 National Barn Dance, 9:30 and 11:00 p.m. Saturday, B  
 N.T.G. and His Girls, 9:00 p.m. Tuesday, R  
 Palmolive Beauty Box, 9:00 and 11:30 p.m. Friday, B  
 Penthouse Serenade, 5:00 p.m. Sunday, R  
 Pine Mountain Merry-makers, 3:15 p.m. Sunday, B  
 Shell Chateau, 9:30 p.m. Saturday, R  
 Sinclair Minstrels, 9:00 p.m. Monday, B  
 Swift Studio Party, 10:00 p.m. Tuesday, R  
 Town Hall Tonight, 9:00 and 12:00 p.m. Wednesday, R  
 Uncle Ezra, 7:15 p.m. Mon., Wed., and Fri., R  
 Voice of Firestone, 8:30 and 11:30 p.m. Monday, R

#### SINGERS

Countess Olga Albani, 9:00 and 12:00 p.m. Sunday, B  
 Habs and Her Brothers, 9:30 p.m. Wednesday, C  
 Vivian Delta Chelsea, 1:30 p.m. Sunday, C  
 Bernice Chaire, 5:00 p.m. Sunday, C  
 Jerry Cooper, 8:30 p.m. Saturday, C  
 Crumit-Sanderson, 5:30 p.m. Sunday, C  
 Jessica Dragonette, 8:00 p.m. Friday, R  
 Phil Dwyer, 8:00 and 11:30 p.m. Tuesday, R; 8:00 p.m. Wednesday, B  
 Jack Fulton, 5:00 p.m. Sunday, R  
 Niela Gondelle, 9:45 p.m. Sunday, B  
 Wendell Hall, 10:00 p.m. Tuesday, B  
 Helen Jepson, 10:00 p.m. Thursday, R  
 Frances Langford, 9:00 p.m. Friday, C  
 Lazy Dan, 7:15 p.m. Friday, C  
 Elizabeth Lennox, 8:30 p.m. Friday, C  
 Nino Martini, 9:00 p.m. Saturday, C  
 Mills Brothers, 10:30 p.m. Friday, R  
 Lucy Monroe, 8:00 p.m. Tuesday, C  
 Grace Moore, 9:30 p.m. Monday, R  
 Morin Sisters, 7:45 and 11:00 p.m. Sunday, R  
 Frank Munn, 8:00 p.m. Tuesday, C; 9:30 p.m. Sunday and 9:00 p.m. Friday, R  
 Frank Parker, 7:00 p.m. Saturday, C  
 Pickens Sisters, 8:30 p.m. Monday, B  
 Lily Pons, 9:00 p.m. Wednesday, C  
 Carmella Ponselle, 8:30 p.m. Friday, C  
 Dick Powell, 9:00 p.m. Friday, C  
 Virginia Rea, 9:00 p.m. Saturday, R  
 Lanny Ross, 9:00 p.m. Thursday, R  
 Fritz Scheff, 8:00 p.m. Tuesday, C  
 Vivienne Segal, 9:30 p.m. Sunday; 9:00 p.m. Friday, R  
 Oscar Shaw, 8:30 p.m. Friday, C  
 Slugin Sam, 7:30 and 11:15 p.m. Monday, C  
 Smiling Ed McConnell, 6:30 p.m. Sunday, C  
 Kate Smith, 7:30 p.m. Tues., Wed., and Thurs., C  
 Conrad Thibault, 10:00 p.m. Wednesday, R  
 John Charles Thomas, 9:00 p.m. Wednesday, B  
 Three Little Words, 6:15 p.m. Saturday, C  
 Lawrence Tibbett, 8:30 p.m. Tuesday, C

#### TALKS

Bob Becker's Dog Chats, 5:30 p.m. Sunday, B  
 Boake Carter, 7:45 p.m. daily except Sat. and Sun., C  
 Rev. Chas. E. Coughlin, 4:00 p.m. Sunday  
 Jimmy Fidler, 10:30 p.m. Wednesday, B  
 Thornton Fisher, 7:00 p.m. Saturday, R  
 Gabriel Heatter, 5:45 p.m. Sunday, B  
 Ivory Stamp Club, 7:15 p.m. Mon., Wed., and Fri., B  
 H. V. Kaltenborn, 6:00 p.m. Friday, C  
 Walter Pitkin, 8:00 p.m. Saturday, C  
 Public Opinion, 10:30 p.m. Saturday, C  
 Robert L. Ripley, 7:30 p.m. Sunday, B  
 Sidewalk Interviews, 2:30 p.m. Sunday, R  
 Lowell Thomas, 6:45 p.m. daily except Sat. and Sun., B  
 To Arms for Peace, 9:30 p.m. Thursday, C  
 Trans-Atlantic Broadcast, 12:45 p.m. Sunday, C  
 Voice of Experience, 6:45 and 11:30 p.m. Sunday, C  
 Frederic William Wile, 6:00 p.m. Saturday, C  
 Walter Winchell, 9:30 and 11:15 p.m. Sunday, B  
 Alexander Woolcott, 7:00 p.m. Sunday, C  
 Your English, 3:00 p.m. Sunday, B

# Australian Specials

THE Australian stations to whom Oliver Amlie of Philadelphia has submitted 275 reports so far in 1935, will put on special programs in his honor during December. Mr. Amlie tells us that greetings will also be given to readers of RADEX. The stations presenting these programs will appreciate reports of reception as would Mr. Amlie whose address is 56th City Line Ave., Philadelphia. The times of the programs are as follows: Thursday morning, December 26th, 6:45-7:15 EST, VK3MC 9.503 megs. 5 kw., Melbourne; Sunday morning, December 29th, 6:45-7:15 EST, VK2ME 9.585 megs. 120 kw. Sydney; Monday morning, December 30th, 6:45-7:15 EST, VK3LR 9.580 megs. Melbourne.

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According to Sir Arthur Eddington, quoted in *Egyptian Radio*, the end of the world may be caused by the protons and electrons of the universe

releasing their energy in the form of radiations.

"It would seem," he says, "that the universe will become a ball of radiation, passing into longer and longer wavelengths. I may describe the end of the world as one stupendous broadcast."

What a DX special that would be! All creation broadcasting itself into oblivion and nobody left to tune it in!

\* \* \*

You can believe it or not, but engineers at WOR swear that they discovered birds making nests in coils of discarded wire in a field near the transmitter. One meadow-lark was quite surprised to find that the heat picked up by the wire from the 50-KW station was sufficient to hatch her eggs without maternal attention. Other birds came to grief trying to build their nests of wire. When they used too much wire, the eggs were cooked; and when they used too little, the eggs were underdone.

## Where to Get the DAY'S NEWS

Daily except Sunday unless otherwise noted.

- 1 Thursday only
- 2 Sunday only
- 3 Monday only
- 4 Except Monday
- 5 Except Saturday

- 6 Tuesday and Friday
- 7 Tuesday, Thursday and Saturday
- 8 Monday, Wednesday and Friday
- 9 Saturday only
- a Including Sunday

- b Tuesday and Wednesday
- c Tues., Thurs. and Fri
- d Thurs., Fri., and Sat.

ATLANTIC TIME	EASTERN TIME	7:55 a.m.	WKZO 590	WMEF 1310	WJSV 1460	WNEL 1290	WFMD 900
7:56 a.m.	7:00 a.m.	WBNS 1430	WNBC 1380	WSOC 1210	WKJC 1200	WSAR 1450	WGAR 1450
CH9J 1120	WBX 1200	WMBR 1370	WSAR 1450	9:15 a.m.	WNBH 1310	WTIC 1040 <sup>2</sup>	WBX 1200
9:00 a.m.	WNEL 1290	CFRB 690	WCAU 1170	WBRE 1310	WNYC 810	11:15 a.m.	WNS 1180
CKCW 1370	7:15 a.m.	CKLW 1030	WEHC 1420	WB80 920	WPAR 1420	WMPG 1200	WIOD 1300
9:30 a.m.	WCMJ 1310	CMJH 1360	WFBC 1300	9:30 a.m.	WPTF 680	WSPD 1340	WIP 610
CHNS 930	WKZO 590	CMKM 1120	WOPI 1500	KQV 1380	WSPA 920	11:30 a.m.	WIS 1010
10:30 a.m.	WNAC 1230	WAAB 1410	8:45 a.m.	WFDE 1310	10:15 a.m.	WAGM 1420	WJV 1210
CJCB 1240	WNBX 1260	WCKY 1490	8:55 a.m.	WHDL 1420	WKZO 590	WBNS 1430	WKJC 1200
12:15 p.m.	WSAJ 1310 <sup>1</sup>	WPKB 1270	WEAN 780	WIP 610	WLW 700	WDBO 500	WKOK 1210
CKCW 1370	7:30 a.m.	WPKB 1270	9:00 a.m.	WKBZ 1500	WSAR 1450	WSYB 1580	WLEU 1420
12:30 p.m.	WBT 1080	WPKB 1270	9:45 a.m.	WNEW 1250	10:30 a.m.	11:45 a.m.	WDAE 1220
CHNC 1410	WMBG 1420	WPKC 1200	9:55 a.m.	9:45 a.m.	WBIG 1440	WNAC 1230	12:03 p.m.
CJLS 1310	WSAL 1330	WSPD 1340	9:55 a.m.	WGBI 880	WMAZ 1180	WSYR 570	WWJ 920
1:00 p.m.	7:35 a.m.	WTAG 580	9:55 a.m.	10:45 a.m.	CBS Sun.	11:55 a.m.	12:15 p.m.
CJCB 1240	WICC 600	WTRC 1040	9:55 a.m.	CKLW 1030	10:45 a.m.	CFCF 600	WBG 1440
5:05 p.m.	7:45 a.m.	WVVA 1160	9:55 a.m.	WOKO 1430	WBT 1080	WBAL 1060	WBZA 900
5:50 p.m.	WBIG 1440	8:05 a.m.	9:55 a.m.	10:00 a.m.	11:00 a.m.	Noon	WCPA 1280
7:00 p.m.	WFIL 580	8:05 a.m.	9:55 a.m.	Red & Blue	Red & Blue <sup>2</sup>	CJIC 890	WDAS 1370
CFNB 550	WNS 1180	8:15 a.m.	9:55 a.m.	CBS	CMKM 1120	CMJA 1010	WHAM 1150
CJCB 1240	WKRC 550	WA4H 1270	9:55 a.m.	WCAU 1170	WCKY 1490	WBZ 900	WKBN 570
8:00 p.m.	WMAZ 1180	WBSO 920	9:55 a.m.	WEEL 1120	WGBI 880	WCAE 1220	WOL 1310
CJCB 1240	WSAZ 1190	WIP 610	9:55 a.m.	WEL 1420	WJCI 1200	WFR 1270	WOC 1210
			9:55 a.m.	WBX 1200	WMBC 1420	WFIL 560	WEI 590

WHEC 1430	WBNS 1430	WGSC 1360	7:55 p.m.	11:10 p.m.	8:30 a.m.	10:45 a.m.	KSTP 1460
WNBC 1380	WCAE 1220	WBAW 1450	WBNS 1430	Blue Net	KGKB 1500	WKEU 1500	WBAA 890 <sup>9</sup>
WOPI 1160	3:00 p.m.	WBX 1200	8:00 p.m.	11:15 p.m.	KLPM 1240	11:00 a.m.	WBOW 1310
WWVA 1160	WBRE 1310	WIS 1010	WKJC 1200	CBS Sun.	KSD 550	KFJZ 1370	WCCO 810
12:20 p.m.	WGBI 880	WKJC 1200	WWVA 1160	11:20 p.m.	KSTP 1460	KFNF 890	WHD 1000
WBCM 1410	WIP 610	WBMC 1420	8:10 p.m.	WICC 600	KRGB 1420	KSTP 1460	WKHH 1380
12:25 p.m.	WKJC 1200	WMMN 980	WBIM 1370	11:30 p.m.	WCCO 810	WHBU 1210	WLBC 1310
CFRB 690	3:14 p.m.	WNAE 1230	WIP 610	Red Net <sup>2</sup>	WGPC 1420	WSGN 1310	WMFN 1210
12:30 p.m.	WFAS 1210 <sup>1</sup>	WPRO 630	8:30 p.m.	WTIC 1040 <sup>2</sup>	WJBO 1420	WTMV 1500	WNON 560
WBEN 900	3:15 p.m.	WSOC 1210	CKCO 1010	Midn't.	WSPA 1410	11:15 a.m.	WSPA 1410
WBT 1080 <sup>2</sup>	WMAZ 1180	WSVA 550	WKCY 1490 <sup>2</sup>	WCAU 1170	WTAQ 1330	WDFA 610	WTCN 1250
WCAE 1220	4:00 p.m.	6:05 p.m.	WFDF 1310	WCKY 1490	8:45 a.m.	11:25 a.m.	1:00 p.m.
WELL 1420	WJVS 1460	WWJ 920	9:00 p.m.	CENTRAL	KNOW 1500	WDAY 940	CKY 960
WDFD 1310	3:45 p.m.	6:15 p.m.	CKOC 1120	TIME	WSGN 1310	11:30 a.m.	KCRC 1360
WBIM 1370	WSYR 570	WGH 1310	CMCD 960	5:30 a.m.	9:00 a.m.	KFPW 1210	KFOR 1210
WJAS 1290	WTFI 1450	WJAS 1290	WFBC 1300	6:15 a.m.	Red & Blue <sup>2</sup>	KWBG 1420	KGKL 1370
WKBZ 500	WGBI 880 <sup>2</sup>	WKBN 570	WGBI 880	7:00 a.m.	CBS	WMT 600	WRNC 1320
WKRC 1560	4:00 p.m.	WPAP 1420	WJKB 1500	7:15 a.m.	KGCA 1270	WDO 1430	WRNC 1320
WKZO 590	WHDJ 1420	WRVA 1110	WKJC 1200	7:30 a.m.	WDAF 610	WDD 1280	WRHU 1210
WPAX 1210	WKJC 1200	WSAL 1450	WTAR 780	7:45 a.m.	WGST 890	WMT 600	WTAN 1210
WQAN 980	WNEL 1290	WSPD 1340	9:15 p.m.	7:55 a.m.	WHBU 1210	WVON 1140	WTAN 1210
WSPA 920	WSPA 920	WSSW1500 <sup>5</sup>	WOPJ 1500	8:00 a.m.	WHBY 1200	WVON 1140	WTAN 1210
12:35 p.m.	WSPD 1340	6:20 p.m.	WBT 1050 <sup>2</sup>	8:05 a.m.	WIND 560	WVON 1140	WTAN 1210
CJKL 530	4:15 p.m.	WMCA 570	9:30 p.m.	8:15 a.m.	WKEU 1500	WVON 1140	WTAN 1210
WMBO 1310	CKLW 1030	WEEI 590	CMJK 780 <sup>5</sup>	8:30 a.m.	WNOX 560	WVON 1140	WTAN 1210
12:45 p.m.	WHIEC1430 <sup>5</sup>	6:30 p.m.	WBIM 1370	8:35 a.m.	WOWO 1160	WVON 1140	WTAN 1210
CKCV 1310 <sup>3</sup>	WOL 1310	CBS	WENL 1310	8:40 a.m.	WTMV 1500	WVON 1140	WTAN 1210
CKTB 1200	4:30 p.m.	Red & Blue	WMBR 1370	8:45 a.m.	WVON 1160	WVON 1140	WTAN 1210
WCSH 940	WQAN 880	CFRB 690	WMCA 570	8:50 a.m.	WVON 1160	WVON 1140	WTAN 1210
WEAN 750	4:45 p.m.	WFBC 1300	WFCR 1210	8:55 a.m.	WVON 1160	WVON 1140	WTAN 1210
WGH 1310	WAIM 1200	WFBR 1270	WFSW 1500	9:00 a.m.	WVON 1160	WVON 1140	WTAN 1210
WHDJ 1370	WCN 1500	WFDF 1310	WFSW 1500	9:05 a.m.	WVON 1160	WVON 1140	WTAN 1210
WPAP 1420	5:00 p.m.	WFIL 560	WFSW 1500	9:10 a.m.	WVON 1160	WVON 1140	WTAN 1210
WBTO 800	WBOS 920	WFIL 560	WFSW 1500	9:15 a.m.	WVON 1160	WVON 1140	WTAN 1210
12:55 p.m.	WBOS 920	WFIL 560	WFSW 1500	9:20 a.m.	WVON 1160	WVON 1140	WTAN 1210
WBRE 1310	WBNS 1260	WFIL 560	WFSW 1500	9:25 a.m.	WVON 1160	WVON 1140	WTAN 1210
1:00 p.m.	WBZA 990	WFIL 560	WFSW 1500	9:30 a.m.	WVON 1160	WVON 1140	WTAN 1210
CKCV 1310 <sup>1</sup>	WKJC 1200	WFIL 560	WFSW 1500	9:35 a.m.	WVON 1160	WVON 1140	WTAN 1210
KDKA 980	WKRC 550	WFIL 560	WFSW 1500	9:40 a.m.	WVON 1160	WVON 1140	WTAN 1210
WFBC 1300	5:10 p.m.	WFIL 560	WFSW 1500	9:45 a.m.	WVON 1160	WVON 1140	WTAN 1210
WFBG 1310	WSPD 1340	WFIL 560	WFSW 1500	9:50 a.m.	WVON 1160	WVON 1140	WTAN 1210
WJBK 1500	5:15 p.m.	WFIL 560	WFSW 1500	9:55 a.m.	WVON 1160	WVON 1140	WTAN 1210
WJVS 1460	CMCF 815	WFIL 560	WFSW 1500	10:00 a.m.	WVON 1160	WVON 1140	WTAN 1210
WKJC 1200	WBIG 1440	WFIL 560	WFSW 1500	10:05 a.m.	WVON 1160	WVON 1140	WTAN 1210
WMBR 1370	WBZ 990	WFIL 560	WFSW 1500	10:10 a.m.	WVON 1160	WVON 1140	WTAN 1210
WNBH 1310	WCAU 1170	WFIL 560	WFSW 1500	10:15 a.m.	WVON 1160	WVON 1140	WTAN 1210
WPRO 630	WCBS 940	WFIL 560	WFSW 1500	10:20 a.m.	WVON 1160	WVON 1140	WTAN 1210
WSAR 1450	WTFI 1310	WFIL 560	WFSW 1500	10:25 a.m.	WVON 1160	WVON 1140	WTAN 1210
WSPD 1340	WSAR 1450	WFIL 560	WFSW 1500	10:30 a.m.	WVON 1160	WVON 1140	WTAN 1210
WTAG 580	WBAL 1060	WFIL 560	WFSW 1500	10:35 a.m.	WVON 1160	WVON 1140	WTAN 1210
WTIC 1040	5:20 p.m.	WFIL 560	WFSW 1500	10:40 a.m.	WVON 1160	WVON 1140	WTAN 1210
1:10 p.m.	WJR 750	WFIL 560	WFSW 1500	10:45 a.m.	WVON 1160	WVON 1140	WTAN 1210
WCAD 1220	5:30 p.m.	WFIL 560	WFSW 1500	10:50 a.m.	WVON 1160	WVON 1140	WTAN 1210
1:15 p.m.	CRCK 1050	WFIL 560	WFSW 1500	10:55 a.m.	WVON 1160	WVON 1140	WTAN 1210
WCAU 1170	WBRB1210 <sup>6</sup>	WFIL 560	WFSW 1500	11:00 a.m.	WVON 1160	WVON 1140	WTAN 1210
WMAZ 1180	WFLA 620	WFIL 560	WFSW 1500	11:05 a.m.	WVON 1160	WVON 1140	WTAN 1210
WTFI 1450	WICC 600	WFIL 560	WFSW 1500	11:10 a.m.	WVON 1160	WVON 1140	WTAN 1210
1:20 p.m.	WNBC 1380	WFIL 560	WFSW 1500	11:15 a.m.	WVON 1160	WVON 1140	WTAN 1210
WHBE 740	WOCL 1210	WFIL 560	WFSW 1500	11:20 a.m.	WVON 1160	WVON 1140	WTAN 1210
1:30 p.m.	5:35 p.m.	WFIL 560	WFSW 1500	11:25 a.m.	WVON 1160	WVON 1140	WTAN 1210
CKLW 1030	WWVA 1160	WFIL 560	WFSW 1500	11:30 a.m.	WVON 1160	WVON 1140	WTAN 1210
WBTM 1370	5:45 p.m.	WFIL 560	WFSW 1500	11:35 a.m.	WVON 1160	WVON 1140	WTAN 1210
WJR 750	CRCO 880	WFIL 560	WFSW 1500	11:40 a.m.	WVON 1160	WVON 1140	WTAN 1210
WNAC 1230	WCMI 1310	WFIL 560	WFSW 1500	11:45 a.m.	WVON 1160	WVON 1140	WTAN 1210
WPHR 880	WEHC 1420	WFIL 560	WFSW 1500	11:50 a.m.	WVON 1160	WVON 1140	WTAN 1210
1:45 p.m.	WIOD 1307	WFIL 560	WFSW 1500	11:55 a.m.	WVON 1160	WVON 1140	WTAN 1210
WICC 600	WKOK 1210	WFIL 560	WFSW 1500	12:00 p.m.	WVON 1160	WVON 1140	WTAN 1210
WTAR 780	WMAZ 1180	WFIL 560	WFSW 1500	12:05 p.m.	WVON 1160	WVON 1140	WTAN 1210
2:00 p.m.	WNBH 1310	WFIL 560	WFSW 1500	12:10 p.m.	WVON 1160	WVON 1140	WTAN 1210
WCSC 1360	WBRE 1310	WFIL 560	WFSW 1500	12:15 p.m.	WVON 1160	WVON 1140	WTAN 1210
WKJC 1200	WBT 1080	WFIL 560	WFSW 1500	12:20 p.m.	WVON 1160	WVON 1140	WTAN 1210
WKRC 550	5:55 p.m.	WFIL 560	WFSW 1500	12:25 p.m.	WVON 1160	WVON 1140	WTAN 1210
WSPD 1340	CKLW 1030	WFIL 560	WFSW 1500	12:30 p.m.	WVON 1160	WVON 1140	WTAN 1210
2:15 p.m.	WBNS 1430	WFIL 560	WFSW 1500	12:35 p.m.	WVON 1160	WVON 1140	WTAN 1210
WBT 1080	WEEI 590	WFIL 560	WFSW 1500	12:40 p.m.	WVON 1160	WVON 1140	WTAN 1210
2:30 p.m.	WJSV 1460	WFIL 560	WFSW 1500	12:45 p.m.	WVON 1160	WVON 1140	WTAN 1210
KQV 1380	WMBR 1370	WFIL 560	WFSW 1500	12:50 p.m.	WVON 1160	WVON 1140	WTAN 1210
WINS 1180	6:00 p.m.	WFIL 560	WFSW 1500	12:55 p.m.	WVON 1160	WVON 1140	WTAN 1210
2:45 p.m.	CJIC 890	WFIL 560	WFSW 1500	1:00 p.m.	WVON 1160	WVON 1140	WTAN 1210
WAAB 1410	KDKA 980	WFIL 560	WFSW 1500	1:05 p.m.	WVON 1160	WVON 1140	WTAN 1210
WEEU 830	WAGM1420 <sup>1</sup>	WFIL 560	WFSW 1500	1:10 p.m.	WVON 1160	WVON 1140	WTAN 1210
2:55 p.m.	WBEN 900	WFIL 560	WFSW 1500	1:15 p.m.	WVON 1160	WVON 1140	WTAN 1210
WBAL 1060	WCAE 1220	WFIL 560	WFSW 1500	1:20 p.m.	WVON 1160	WVON 1140	WTAN 1210
		WFIL 560	WFSW 1500	1:25 p.m.	WVON 1160	WVON 1140	WTAN 1210
		WFIL 560	WFSW 1500	1:30 p.m.	WVON 1160	WVON 1140	WTAN 1210
		WFIL 560	WFSW 1500	1:35 p.m.	WVON 1160	WVON 1140	WTAN 1210
		WFIL 560	WFSW 1500	1:40 p.m.	WVON 1160	WVON 1140	WTAN 1210
		WFIL 560	WFSW 1500	1:45 p.m.	WVON 1160	WVON 1140	WTAN 1210
		WFIL 560	WFSW 1500	1:50 p.m.	WVON 1160	WVON 1140	WTAN 1210
		WFIL 560	WFSW 1500	1:55 p.m.	WVON 1160	WVON 1140	WTAN 1210
		WFIL 560	WFSW 1500	2:00 p.m.	WVON 1160	WVON 1140	WTAN 1210
		WFIL 560	WFSW 1500	2:05 p.m.	WVON 1160	WVON 1140	WTAN 1210
		WFIL 560	WFSW 1500	2:10 p.m.	WVON 1160	WVON 1140	WTAN 1210
		WFIL 560	WFSW 1500	2:15 p.m.	WVON 1160	WVON 1140	WTAN 1210
		WFIL 560	WFSW 1500	2:20 p.m.	WVON 1160	WVON 1140	WTAN 1210
		WFIL 560	WFSW 1500	2:25 p.m.	WVON 1160	WVON 1140	WTAN 1210
		WFIL 560	WFSW 1500	2:30 p.m.	WVON 1160	WVON 1140	WTAN 1210
		WFIL 560	WFSW 1500	2:35 p.m.	WVON 1160	WVON 1140	WTAN 1210
		WFIL 560	WFSW 1500	2:40 p.m.	WVON 1160	WVON 1140	WTAN 1210
		WFIL 560	WFSW 1500	2:45 p.m.	WVON 1160	WVON 1140	WTAN 1210
		WFIL 560	WFSW 1500	2:50 p.m.	WVON 1160	WVON 1140	WTAN 1210
		WFIL 560	WFSW 1500	2:55 p.m.	WVON 1160	WVON 1140	WTAN 1210
		WFIL 560	WFSW 1500	3:00 p.m.	WVON 1160	WVON 1140	WTAN 1210
		WFIL 560	WFSW 1500	3:05 p.m.	WVON 1160	WVON 1140	WTAN 1210
		WFIL 560	WFSW 1500	3:10 p.m.	WVON 1160	WVON 1140	WTAN 1210
		WFIL 560	WFSW 1500	3:15 p.m.	WVON 1160	WVON 1140	WTAN 1210
		WFIL 560	WFSW 1500	3:20 p.m.	WVON 1160	WVON 1140	WTAN 1210
		WFIL 560	WFSW 1500	3:25 p.m.	WVON 1160	WVON 1140	WTAN 1210
		WFIL 560	WFSW 1500	3:30 p.m.	WVON 1160	WVON 1140	WTAN 1210
		WFIL 560	WFSW 1500	3:35 p.m.	WVON 1160	WVON 1140	WTAN 1210
		WFIL 560	WFSW 1500	3:40 p.m.	WVON 1160	WVON 1140	WTAN 1210
		WFIL 560	WFSW 1500	3:45 p.m.	WVON 1160	WVON 1140	WTAN 1210
		WFIL 560	WFSW 1500	3:50 p.m.	WVON 1160	WVON 1140	WTAN 1210
		WFIL 560	WFSW 1500	3:55 p.m.	WVON 1160	WVON 1140	WTAN 1210
		WFIL 560	WFSW 1500	4:00 p.m.	WVON 1160	WVON 1140	

4:30 p.m.	WLBC 1310	9:15 p.m.	8:30 a.m.	KGEZ 1310	KGFJ 1200	KPQ 1500	CKWX 1010
KGEX 630	WMFN 1210	KFPV 1210	CBS Net <sup>2</sup>	KGVO 1260	KXRO 1310	KRLC 1420	KFXM1210a
KMBC 950	WGFL 1370	KSD 550	CHAB 1200	6:30 p.m.	8:45 a.m.	KTRB 740	KJR 970
KSTP 1460	6:30 p.m.	WFBM 1230	CKBI 1210	KGCK1310 <sup>9</sup>	KOIN 940	KXRO 1310	KPQ 1500
WDAF 610	KASA 1210	9:30 p.m.	9:15 a.m.	6:45 p.m.	KWJJ 1040	12:45 p.m.	KQW 1010
WOC 1370	KDLR 1210	KRNT1320 <sup>2</sup>	KDYL 1290	KDFN 1440	9:00 a.m.	CKOV 630	KREG 1500
5:00 p.m.	KFOR 1210	KTBBS 1450 <sup>2</sup>	KICA 1370	7:00 p.m.	KFRM 610	KFXM 1210	KUJ 1370
KFEQ 680	KWKK 1370	WDOD 1280	KIUL 1210	KFEL 920	KFRM 610	1:00 p.m.	6:45 p.m.
KFIZ 1420	WDOD 1280	WGBF 630c	KIUP 1370	8:00 p.m.	KFXM 1210	KGJF 1200	W6XAI 1550
KFJZ 1370	WIO 1000	WGBF 630c	9:30 a.m.	CHWC 1010	KOOS 1390	KOIN 940	7:00 p.m.
KFXR 1310	WNBR 1430	WOAI 1190 <sup>2</sup>	CKCK 1010	CJGJ 690	KRSC 1120	KRSC 1120	KGJF 1200
KOMAI480 <sup>5</sup>	WSGN 1310	9:45 a.m.	10:00 a.m.	KVOR 1270	KWJG 1200	KJBS 1070 <sup>2</sup>	KIT 1310
WHBU 1210	6:45 p.m.	WROK 1410	KOY 1390	XEFV 1210	9:15 a.m.	1:30 p.m.	KLX 880
WHO 1000 <sup>9</sup>	KRGV 1260	10:00 p.m.	10:30 a.m.	KICA 1370	KOL 1270	KMPC 710	KRKD 1120
WIRE 1400	WKBH 1380	KPRC 920	KDFN 1440	11:00 a.m.	KVOS 1200	1:45 p.m.	KRLC 1420
WJJD 1130	WSFA 1410	KVVO 1140d	11:00 a.m.	KLZ 560	KGDM 1100	CHWK 780	KRSC 1120
WJTL 1370	6:55 p.m.	WDAY 940	XETB 1310	8:30 p.m.	KJR 970	KRKD 1120	KUJ 1370
WNBD 1440	KGDE 1200	WENR 870 <sup>5</sup>	11:45 a.m.	KDFN 1440	KJR 970	2:00 p.m.	KVOS 1200c
WOI 640	7:00 p.m.	WGST 890	KICA 1370	8:45 p.m.	KMPC 710	KRSC 1120	KNRO 1310
WSM 650	KGKB 1500	WHTM 1210	KLZ 560	NEAF 990	9:45 a.m.	KGJF 1200 <sup>2</sup>	8:00 p.m.
WTCN 1250	KWBG 1420	WIBA 1280	Neon	9:00 p.m.	KFI 640	2:15 p.m.	KJBS 1070
WTMV 1500	WAVE 940	WIB 1400	KFEL 920	CJRM 540	KFOX 1250	KGDM 1100	KQW 1010
5:15 p.m.	WROW 1310	WNBD 1440	KTAR 620	KTSM 1310	9:51 a.m.	3:00 p.m.	KRSC 1120
WCCO 810	WJTL 1370	WNRR 1430	12:15 p.m.	KVOR 1270	KPQ 1500	KJBS 1070	KUJ 1370
WMC 780	WKBH 1500	WOAI 1190	KFBB 1280	9:15 p.m.	10:00 a.m.	KQW 1010	8:15 p.m.
5:20 p.m.	WMBH 1420	WTMV 1500	KGHL 780	Blue Net <sup>2</sup>	KJBS 1070	KRSC 1120	CBS Net <sup>2</sup>
KGGF 1010	WTMV 1500	XENT 910	KGVO 1260	CBS Net <sup>2</sup>	KQW 1010	3:15 p.m.	Blue Net <sup>2</sup>
5:30 p.m.	7:15 p.m.	XEWZ 1150	KGIR 1340	9:30 p.m.	KUJ 1370	KGJF 1200	8:30 p.m.
CBS	KFNF 890	WCCO 810	KIUP 1370	Red Net <sup>2</sup>	10:15 a.m.	CBS Net	Red Net <sup>2</sup>
Red & Blue	WJMS 1420	10:10 p.m.	NEAF 990	10:00 p.m.	KELW 780	Red & Blue	CKCD 1010
KASA 1210 <sup>2</sup>	7:30 p.m.	Blue Net	12:20 p.m.	CFCN 1030	10:20 a.m.	3:45 p.m.	9:00 p.m.
KFAB 770	WIND 560	10:15 p.m.	KOY 1390	KDYL 1290	KLX 880	KFPY 890	KECA 1430
KFJB 1260	7:45 p.m.	CBS <sup>2</sup>	KDFN 1440	11:00 p.m.	11:00 a.m.	KOIN 940	KFSB 600
KPAC 1200	WRTN 1370	KLMP 1240	KTAR 620	11:00 p.m.	KRSC 1120	4:00 p.m.	KLEM 1210
WOAI 1190	WTAD 900	KLPA 1460	12:30 p.m.	11:15 a.m.	KOIN 940	KFRK 610	KJR 970
5:35 p.m.	8:00 p.m.	WGBF 630 <sup>9</sup>	KKKA 880	KOIN 940	KRSC 1120	KRSC 1120	KQW 1010
KVVO 1140d	KARK 890	WIO 1000	KGFEZ 1310	11:30 a.m.	11:30 a.m.	4:15 p.m.	KROW 930
WENR 870	KFIZ 1420	WTCN 1250	1:00 p.m.	CJAT 910	CJAT 910	KOIN 940	KRSC 1120
5:40 p.m.	KVVO 1140 <sup>2</sup>	Red Net <sup>2</sup>	CFCN 1030	KIRKD 1120	11:45 a.m.	KWJJ 1040	9:15 p.m.
CKY 960	WHBU 1210	WHO 1000 <sup>9</sup>	KVOR 1270	11:45 a.m.	KGHF 1200	4:45 p.m.	KGJF 1200 <sup>2</sup>
5:45 p.m.	WTMV 1500	WRTN 1370	2:00 p.m.	KJBS 1070	Neon	5:00 p.m.	W6XAI 1550
KFYO 1310	XENT 910a	Red Net <sup>2</sup>	KICA 1370	KRSC 1120	KFJR 1300	KFJR 1300	9:30 p.m.
WDAY 940	8:15 p.m.	10:45 p.m.	3:30 p.m.	KOIN 940	KFRK 610	KRSC 1120	KLX 880
WDSU 1250	KGXB 1230	WIND 560	KDYL 1290	6:45 a.m.	KJBS 1070	KGDM 1100	KUJ 1370
WFBM 1230	8:45 p.m.	11:00 p.m.	KSUN 1200	KRLC 1420	KQW 1010	5:30 p.m.	9:45 p.m.
WKLU 1500	8:30 p.m.	KMBC 950	CHCK 1010	7:00 a.m.	KROW 930	KRSC 1120	KIT 1310
WNOX 560	KFJZ 1370	WHTM 1210	3:15 p.m.	CBS Net	KRSC 1120	KELW 780	KOL 1270
WTRC 1310	KFOR 1210	WJTL 1370	KIUL 1210	Red & Blue <sup>2</sup>	KUJ 1370	KMPC 710	KOS 1200
5:50 p.m.	KPDR 1210	WTMV 1500	RSL 1130	KGDM 1100	12:05 p.m.	5:45 p.m.	KYA 1230
KSTP 1460	WFBQ 1210	XENT 910	3:45 p.m.	KQW 1010	KOAC 550	KGJF 1200	KVI 570a
KFJM 1370	8:45 p.m.	Midn.	KLZ 560	KRSC 1120	12:10 p.m.	5:50 p.m.	10:00 p.m.
5:55 p.m.	KNF 890	KSTP 1460	4:00 p.m.	KUJ 1370	CHWK 780	CHWK 780	KFI 640
WMT 600	KRKB 1500	9:00 p.m.	CHWC 1010	7:15 a.m.	CKWX 1010	CHWK 780	KFOX 1250
6:00 p.m.	WSGN 1310	KFYO 1310	KFEL 920	KERN 1370	12:15 p.m.	6:00 p.m.	KFRK 610
KARK 890	9:00 p.m.	KGKL 1370	KICA 1370	KFBK 1490	KECA 1430	KJBS 1070a	KFXM1210a
KFEQ 680	KGYO 1310	KMBC 950	4:30 p.m.	KMJ 580	KHISL 950	KROW 930	KGB 1330
EVOL 1310	KGKL 1370	7:45 a.m.	Red & Blue	CBS Net <sup>2</sup>	KOL 1270	KFOX 1250	KHJ 900
KWTO 560a	KMBC 950	8:00 a.m.	CBS Net	7:45 a.m.	KREG 1500	KQW 1010 <sup>2</sup>	KOMO 920
WHBY 1200	KRNT 1320	8:00 a.m.	KIDW 1420	KFPY 890	KVI 570	KRSC 1120	10:30 p.m.
WJBO 1420	KSO 1430	8:00 a.m.	5:00 p.m.	KRKD 1120	KVOS 1200	KFXM 1210	KRCV 1100
WTAQ 1330	KTBS 1450	Red & Blue <sup>2</sup>	KVOR 1270	8:00 a.m.	W6XAI 1550	6:15 p.m.	10:45 p.m.
WTAX 1210	WGN 720	CBS Net <sup>2</sup>	5:30 p.m.	KIT 1310	12:20 p.m.	KRSC 1120	KGJF 1200
WTMV 1500	WHBY 1200	CHWC 1010	KDFN 1440	KRSC 1120	KIT 1310	12:30 p.m.	KNA 760
6:10 p.m.	WJTL 1370	KFEL 920	6:00 p.m.	KUJ 1370	12:30 p.m.	KFPY 890	11:00 p.m.
KLPM 1240	WMT 600	8:15 a.m.	KFOR 1270	KFKA 880	NEMO 860	6:30 p.m.	11:45 p.m.
6:15 p.m.	WNBR 1430	KVOR 1270	CBS Net <sup>2</sup>	KOY 1390	CHWK 780	CHWK 780	KROW 930
KFNF 890	WNOX 560	6:15 p.m.	CHAB 1200	CERN 1260	12:30 p.m.	12:30 p.m.	
KFRW 1370	WSFA 1410	KGVO 1260		KGVO 1260	12:30 p.m.	12:30 p.m.	
KFRU 630	WTCN 1250				12:30 p.m.	12:30 p.m.	
KFVS 1210					12:30 p.m.	12:30 p.m.	

### LONG WAVE STATIONS BY FREQUENCIES

Kcys.	Meters	Power	Call	Location	Kcys.	Meters	Power	Call	Location
155	1935	7.	LYT	Kovno, Lith.	183	1639	16.	TFU	Reykjavik, Ice.
158	1900	1.		Julianhaab, Grn.					Madrid, Spain
160	1875	7.5	PX2	Huizen, Neth.	188	1600	20.	RW14	Iakutsk, USSR
		20.		Brasov, Rum.			5.	TAL	Istanbul, Turkey
		50.		Kootwijk, Neth.	191	1570	60.		Borlin, G.
166	1807	45.	OFB	Lahti, Fin.			60.		Zeesen, Neth.
172	1744	500.	RW1	Moscow, USSR	193	1554	5.	TAE	Angora, Turkey
182	1650			De Bilt, Neth.	200	1500	150.		Droitwich, G. B.
		75.		Paris, France			5		Godhavn, Grn.

## LONG WAVE STATIONS BY FREQUENCIES

Keys.	Meters	Power	Call	Location	Keys.	Meters	Power	Call	Location
208	1446	60.	FLE	Paris, France			1.2	KJF	Omaha, Nebr.
		35.	RW10	Minsk, USSR			.15	WWIE	Goshen, Ind.
		16.	TFU	Reykjavik, Ice.	326	920	1.2	KCAP	Big Spring, Tex.
216	1389	30.	SBG	Motala, Sweden			1.2	KSG	Cheyenne, Wyo.
218	1380	100.	RW76	Novorossisk, USSR			2.	VFS	Lethbridge, Alta.
224	1339	.125	KCCU	Davenport, Iowa			.05	VXR	Jarvis, Ont.
		.125	KCDJ	Livingston, Mond.	332	903	1.2	KCAU	Houston, Tex.
		.5	SP1	Warsaw, Poland			1.2	KCCR	Fontana, Calif.
		150.	.....	Warsaw, Poland			1.2	KCY	Portland, Ore.
		1.2	WSG	LaCrosse, Wis.			1.5	VFN	St. Hubert, Que.
		1.2	WWAT	Birmingham, Ala.			2.	VFP	Forrest, Man.
		.....	WWQ	Bellefonte, Pa.			1.2	WBP	Key West, Fla.
226	1330	.1	HJ1ABR	Barranquilla, Cib.			1.2	WEK	Wichita, Kans.
227	1322	10.	RW62	Iakutsk, USSR			1.2	WWAS	Cincinnati, O.
230	1304	.8	KCAF	Albuquerque, N. M.			1.2	WWAW	Charleston, S. C.
		1.2	KCAK	Shreveport, La.	333	900	10.	RW19	Ashkhabad, USSR
		.125	KCDV	Bismarck, N. D.			1.	RW66	Krasnovarsk, USSR
		1.2	WWAR	Jackson, Mich.	338	887	1.2	KCAM	Tucson, Ariz.
		150.	.....	Luxembourg, Lux.			1.2	KGD	Salt Lake City, Utah
232	1293	20.	RW4	Kharkov, USSR			1.2	WWAG	New Orleans, La.
236	1270	.....	.....	U. S. Common Wave			.8	WWHS	Chattanooga, Tenn.
238	1261	10.	RW8	Baku, USSR			1.2	WUW	Newark, N. J.
		60.	.....	Kalundborg, Den.	340	882	20.	RW3	Saratov, USSR
242	1239	1.2	KCAO	El Paso, Tex.	344	872	1.2	KCAV	Springfield, Mo.
		.125	KCDK	Billings, Mont.			.15	KCDU	Pendleton, Ore.
		.125	KCDN	Pembina, N. D.			1.2	KCS	Pasco, Wash.
		1.2	KCV	Oakland, Calif.			1.2	KCU	Fresno, Calif.
245	1224	100.	RW53	Leningrad, USSR			1.2	WWAV	Jacksonville, Fla.
248	1209	.05	CYW	Strathburn, Ont.			1.2	WVO	Cleveland, Ohio
		1.2	KCAG	Amarillo, Tex.	350	857	1.2	KCAH	Kingman, Ariz.
		.8	WFT	Spartanburg, S. C.			.05	KCCA	Oklahoma City, Okla.
		1.2	WWBF	Mobile, Ala.			1.2	KCR	Boise, Idaho
		2.	VFT	Red Deer, Alta.			1.2	KDA	Chicago, Ill.
250	1205	2.	.....	Scheveningen, Neth.			10.	RW63	Verkhneoudinsk
254	1180	1.2	KCAW	San Antonio, Tex.			1.2	WWBI	Raleigh, N. C.
		1.2	KLK	Reno, Nevada	355	845	10.	LKI	Finnmark, Nor.
		1.2	WWAP	Pittsburgh, Pa.			20.	RW12	Rostov, USSR
		1.2	WWCC	Titusville, Fla.	359	835	1.2	KCAD	Idaho Falls, Ida.
256	1170	25.	RW11	Tashkent, USSR			1.2	KRC	Kansas City, Mo.
260	1153	1.2	KCT	Los Angeles, Calif.	360	834	18.	HAC	Budapest, Hung.
		1.5	KCZ	Seattle, Wash.			18.	HAL2	Budapest, Hung.
		60.	LKO	Oslo, Norway	364	824	2.	RW24	Smolensk, USSR.
		1.2	WNR	Richmond, Va.	365	821	1.2	KCAN	Fargo, N. D.
		1.2	WWAQ	Jackson, Miss.			.6	KCAS	Spokane, Wash.
266	1127	1.2	KCAE	Winslow, Ariz.			1.2	KKJ	Ft. Worth, Tex.
		1.2	KCAL	Yuma, Ariz.			1.2	WWAH	Albany, N. Y.
		1.2	KCAQ	Minneapolis, Minn.			1.2	WRW	Greensboro, N. C.
		1.2	KCX	Medford, Ore.	370	810	10.	RW21	Erivan, USSR.
		1.2	WHZ	Atlanta, Ga.	371	808	.125	KCDH	Helena, Mont.
		1.2	WSX	Boston, Mass.			1.2	WWAU	Memphis, Tenn.
		1.2	WWAB	Buffalo, N. Y.	375	800	40.	RW5	Sverdlovsk, USSR.
270	1100	.5	.....	Godthaab, Grn.	385	779	1.2	WWAC	Nashville, Tenn.
271	1107	100.	RCZ	Moscow, USSR			1.2	WWIF	Emira, N. Y.
		100.	RW43	Moscow, USSR	387	775	.6	SBE	Boden, Sweden
272	1102	1.2	KCAJ	Little Rock, Ark.	390	769	4.	RW27	Makhatch, USSR.
		1.2	KIS	Iowa City, Iowa	392	763	30.	.....	Banska Bystrica, Cz.
		1.2	WWAF	Miami, Fla.	401	748	100.	RW49	Moscow, USSR.
		1.2	WWX	Washington, D. C.			1.25	.....	Geneva, Switz.
278	1078	.....	.....	U. S. Common Wave	414	726	10.	RW25	Voronzh, USSR.
284	1056	1.2	KCAC	Butte, Mont.			.6	SBF	Ostersund, Swe.
		1.2	KVM	North Platte, Neb.	421	712	2.	RW47	Stalinabad, USSR.
286	1060	35.	RW7	Tiflis, USSR	431	696	1.5	OFF	Oleaborg, Fin.
290	1034	1.2	KCQ	St. Louis, Mo.	436	688	10.	RW37	Oufa, USSR.
		1.2	KDN	Rock Springs, Wyo.	450	667	1.	RW83	Oiret Tura, USSR.
296	1013	1.2	KCAA	Tulsa, Okla.	472	636	1.	RW41	Sytktykvar, USSR.
302	993	1.2	KCAR	Pueblo, Colo.			1.2	RW44	Omsk, USSR.
		.125	KCDZ	Advance, Mo.			1.	RW74	Tcheboksary, USSR.
308	973	.125	KCAV	Missoula, Mont.	477	629	20.	.....	Lisbon, Port.
		.125	KCDR	Dickinson, N. D.	510	588	.7	LKH	Hamar, Norway
309	971	2.	.....	Soro, Denmark	519	578	.5	.....	Innsbruck, Aust.
310	968	10.	RW60	Alma Ata, USSR	527	569	10.	OFH	Viihuri, Fin.
314	955	1.2	KOJ	Eiko, Nevada			3.5	.....	Grenoble, France
		2.	VFR	Maple Creek, Sask.			5.25	.....	Ljubljana, Yugo.
		2.	VFU	London, Ont.	531	565	5.	.....	Brese, Poland
320	937	.05	CE32	Los Andes, Chile	536	560	1.	IBZ	Bozano, Italy
		1.2	KCAT	Millford, Utah			16.	SP10	Wilna, Poland
		1.2	KCAZ	Miles City, Mont.					

## LONG WAVE STATIONS BY LOCATIONS

<b>AUSTRIA</b>	Paris	Warsaw	Rostov	Key West	<b>MONTANA</b>
Innsbruck	FLE 208	224	RW12 355	WBP 332	Billings 242
519	182	SP1 224	Saratov	Miami 272	KCDK Butte
Vienna	<b>GERMANY</b>	SP10 536	RW3 340	Titusville	KCAC Helena 284
240	Berlin	<b>PORTUGAL</b>	Smolensk	WABC 254	KCDH Livingston 371
<b>CANADA</b>	191	Lisbon	RW24 364	<b>GEORGIA</b>	KCDJ Atlanta 224
<b>ALBERTA</b>	<b>GREAT BRITAIN</b>	477	Stalinabad	WHZ 266	KCAZ Miles City 320
Lethbridge	Droitwich	<b>RUMANIA</b>	RW47 421	<b>IDAHO</b>	KCAV Missoula 308
VFS 326	200	Brasov	RW5 375	Boise	<b>NEBRASKA</b>
Red Deer	<b>GREENLAND</b>	160	Syktykvar	KCR 350	North Platte 284
VFT 248	Godhavn	<b>SPAIN</b>	RW41 472	Idaho Falls	KVM Omaha 320
<b>MANITOBA</b>	200	Madrid	Tashkent	KCAD 359	<b>NEVADA</b>
Forrest	Godthaab	133	RW11 256	<b>ILLINOIS</b>	Elko 314
VFP 332	270	183	Tcheboksary	Chicago	KOJ Reno 320
<b>ONTARIO</b>	Julianhaab	<b>SWEDEN</b>	RW74 472	KDA 350	KLK 254
Jarvis	158	Boden	Tiflis	<b>INDIANA</b>	<b>NORTH CAROLINA</b>
VXR 326	<b>HUNGARY</b>	SBE 387	RW7 286	Goshen	Greensboro 365
London	Budapest	SBG 216	Verkhneoudinsk	WWIE 320	WWBI Raleigh 350
VFU 314	HAC 350	SBF 414	RW63 350	<b>IOWA</b>	<b>N. DAKOTA</b>
Strathburn	HAL2 360	<b>SWITZERLAND</b>	Voronozh	Davenport	Bismarck 230
CYW 248	<b>ICELAND</b>	Geneva	RW25 414	KCCU Iowa City 224	KCDR Dickinson 308
<b>QUEBEC</b>	Reykjavik	401	<b>YUGOSLAVIA</b>	KIS 272	KCAN Fargo 365
St. Hubert	TFU 183	<b>TURKEY</b>	Ljubljana	<b>KANSAS</b>	KCDN Pembina 242
VFN 332	208	Angora	527	Wichita	<b>N. MEXICO</b>
<b>SASKATCHEWAN</b>	<b>ITALY</b>	TAE 193	<b>UNITED STATES</b>	WEK 332	Albuquerque 230
Maple Creek	Bolzano	Istanbul 188	<b>ALABAMA</b>	<b>LOUISIANA</b>	KCAF 230
VFR 314	11BZ 536	TAL 188	Birmingham	New Orleans	<b>NEW JERSEY</b>
<b>CHILE</b>	<b>LITHUANIA</b>	<b>USSR</b>	WWAT 224	WWAG 338	Newark 338
Los Andes	Kovno	Alma Ata	Mobile	KCAK 230	<b>NEW YORK</b>
CE32 320	LYT 155	RW60 310	WWBF 248	<b>MASSACHUSETTS</b>	Albany 365
<b>COLOMBIA</b>	<b>LUXEMBOURG</b>	Ashkhabad	<b>ARIZONA</b>	Wichita	WWAH Buffalo 266
Barranquilla	Luxembourg	RW19 333	Kingman	<b>MISSISSIPPI</b>	WWIF Elmira 335
HJ1ABB 226	230	Baku	KCAH 350	Jackson	<b>OHIO</b>
<b>EUROPE</b>	<b>NETHERLANDS</b>	RW8 238	Tucson	WSX 266	Cincinnati 332
<b>CZECHO-SLAVAKIA</b>	De Bilt	RW21 370	KCAM 338	<b>MICHIGAN</b>	Cleveland 344
Banska Bystrica	182	Takutsk	Winslow	Jackson	<b>OKLAHOMA</b>
392	160	RW14 188	KCAE 266	WWAR 230	Kingman 350
<b>DENMARK</b>	Huizen	RW62 227	<b>ARKANSAS</b>	<b>MINNESOTA</b>	KCCA Oklahoma City 350
Kaifundborg	Kootwijk	Kharkov	Little Rock	Minneapolis	<b>FLORIDA</b>
238	160	RW4 232	KCAJ 272	KCAQ 266	Jacksonville
Soro	Scheveningen	RW21 370	<b>CALIFORNIA</b>	<b>MISSOURI</b>	WWAV 344
309	250	Leningrad	Fontana	Jackson	<b>DISTRICT OF COLUMBIA</b>
<b>FINLAND</b>	Zeesen	TW53 245	KCCR 332	WWAQ 260	Washington
<b>Lahti</b>	191	Makhatch	Fresno	<b>MISSOURI</b>	WXX 272
OFB 166	<b>NORWAY</b>	RW10 208	KCU 344	Advance	<b>FLORIDA</b>
Oleaborg	Finmark	Moscow	Los Angeles	KCDZ 302	St. Louis
OFF 431	LKI 355	RCZ 271	KCT 260	KCAQ 266	Springfield
OFH 527	Hamar	RW1 172	Oakland	<b>MISSISSIPPI</b>	KCAV 344
<b>FRANCE</b>	LKH 510	RW49 401	KCV 242	Jackson	<b>OHIO</b>
Vilpuri	Oslo	RW43 271	<b>COLORADO</b>	WWAQ 260	Cincinnati 332
527	LKO 260	Novorossisk	Pueblo	<b>MISSOURI</b>	Cleveland 344
<b>GERMANY</b>	<b>POLAND</b>	RW76 218	KCAR 302	Advance	<b>OKLAHOMA</b>
Grenoble	Brese	Oiret Tura	<b>DISTRICT OF COLUMBIA</b>	Kansas City	Kingman 350
527	531	RW83 450	Washington	KRC 359	KCCA Oklahoma City 350
		Ornsk	WXX 272	St. Louis	
		RW14 472	<b>FLORIDA</b>	KCAV 344	
		Oufa	Jacksonville		
		RW37 436	WWAV 344		

## LONG WAVE STATIONS BY LOCATIONS

<b>Tulsa</b>	<b>Harrisburg</b>	<b>TENNESSEE</b>	<b>El Paso</b>	<b>Salt Lake</b>	<b>Spokane</b>
KCAA 296	WWHP 242	Chattanooga	KCAO 242	KGD 338	KCAS 365
<b>OREGON</b>	Pittsburgh	WWHS 338	Ft. Worth	<b>VIRGINIA</b>	<b>WISCONSIN</b>
Medford	WWAP 254	Memphis	KKJ 365	Richmond	La Crosse
KCX 266		WWAU 371	Houston	WNR 260	WSG 224
Pendleton	<b>SOUTH CAROLINA</b>	Nashville	KCAU 332	<b>WASHINGTON</b>	<b>WYOMING</b>
KCDU 344		WWAC 385	San Antonio		
Portland		<b>TEXAS</b>	KCAW 254		
KCY 332	Charleston		<b>UTAH</b>		
<b>PENN-SYLVANIA</b>	WWAP 332	Amarillo		Pasco 344	Cheyenne
Belleville	Spartanburg	KCAG 248	Millford	KCS 344	KSG 326
WVQ 224	WFT 248	Big Spring	KCAT 320	Seattle 260	Rock Spring
		KCAP 326		KCZ 260	KDN 290

## LONG WAVE STATIONS BY CALLS

CE32 320	KCAR 302	KCS 344	LYT 155	RW37 436	TFU 183	WWAG 338
CYW 248	KCAS 365	KCT 260	OFB 166	RW41 472	TFU 208	WWAH 365
FLE 208	KCAT 320	KCU 344	OFF 431	RW43 271	VFN 332	WWAP 254
HAC 360	KCAU 332	KCV 242	OFH 527	RW44 472	VFP 332	WWAQ 260
HAL2 360	KCAV 345	KCX 266	PX2 160	RW47 421	VFQ 296	WWAR 230
HJ1ABB 226	KCAW 254	KCY 332	RCZ 271	RW49 401	VFR 314	WWAS 332
IBZ 536	KCAZ 308	KCZ 260	RW1 172	RW53 245	VFS 326	WWAT 224
KCAA 296	KCAZ 320	KDA 350	RW3 340	RW60 310	VFT 248	WVAU 371
KCAC 284	KCCA 350	KDN 290	RW4 232	RW62 227	VFU 314	WVAU 344
KCAD 359	KCCR 332	KGD 338	RW5 375	RW63 350	VXR 326	WWAV 332
KCAE 266	KCCU 224	KIS 272	RW7 286	RW66 333	WBP 332	WWBC 254
KCAF 230	KCDH 371	KJF 320	RW8 238	RW74 472	WEK 332	WWBF 248
KCAG 248	KCDJ 224	KKJ 365	RW10 208	RW76 218	WFT 248	WWBI 350
KCAH 350	KCDK 242	KKL 254	RW11 256	RW83 450	WHZ 266	WWBH 242
KCAJ 272	KCDN 242	KOJ 314	RW12 355	SBE 387	WNR 260	WWHS 338
KCAK 230	KCDR 308	KRC 359	RW14 188	SBF 414	WRW 365	WWIE 320
KCAM 338	KCDU 344	KSG 326	RW19 323	SBG 216	WSG 224	WWIF 385
KCAN 365	KCDV 230	KVM 284	RW21 370	SP1 224	WSX 266	WVO 344
KCAO 242	KCDZ 302	LKH 510	RW24 364	SP10 536	WWAB 266	WWQ 224
KCAP 326	KCQ 296	LKI 355	RW25 414	TAE 193	WWAC 385	WVU 338
KCAQ 266	KCR 350	LKO 260	RW27 390	TAL 188	WWAF 272	WWX 272

## FOREIGN B. C. STATIONS BY FREQUENCIES

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

### 520 (576.6)

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

### 530 (565.7)

IBZ 1	Bolzano, I. (536)
..... 16	Wlino, Pol. (536)

### 540 (555.2)

HAL 120	Budapest, Hun. (546)
.....	Budapest VIII, Sandor Utca No. 7.
.....	Weekdays 0045-1815; Sun. 315-1900 EST
RW52 20	Tchita, USR. (546)

### 550 (545.1)

ZCR 10	Cumnock, Ausl.
..... 100	Beromunster, Sw. (556) Report to PTT, Berne, Speiehergrasse No. 6.
.....	Weekdays 600-1630; Sun. 130-1630 EST

### 560 (535.4)

IIPA 4	Palermo, I. (565)
MTCY 100	Hsinking, Mch.
RW41 1.2	Syktyvkar, USR. (563)
RW42 18	Gorki, USR. (565)
XLHB .045	Shanghai, Chn.
ZUG 10	Grahamstown, S. Af.
6WA 10	Minding, Ausl.
..... 60	Athlone, IFS (565)
.....	Radio Atha Luain, Daily 830-1800 EST

### 570 (526)

CX2	Montevideo, Uru.
XGOH 1	Changsha, Chn.
2YA 5	Wellington, N. Z.
.....	Featherstone St., Mon. to Sat. 700-900; 1000-1100; Sun. 900-1215; 1300-1430; 1800-2200.
..... 100	Stuttgart, G. (574)
.....	Charlottenplatz No. 1 Daily 0000-2000 EST
..... 10	Magnitogorsk, U.S.R. (571)

### 580 (516.9)

CE58 1	Santiago, Chi. (585)
.....	Siam I. Villaseca (420)

FOREIGN B. C. STATIONS BY FREQUENCIES

JFCK 1. Taichu, Formosa  
 RW36 10. Archangel, UR (586)  
 RW54 10. Khabarovsk, UR  
 XQHA .25 Shanghai, Chn.  
 YLZ 15. Riga, Lat. (583)  
 3WV 10. Horsham, Ausl.  
 ..... 20. Lisbon, Por. (629)  
 ..... 15. Grenoble, F. (583)  
 Daily 300-1730 EST

590 (508.2) [ ]

JOAK2 10. Tokyo, Jap. M. Tomabeco, EST. Daily 4 a.m.-7:30 a.m.  
 LS10 5. Buenos Aires, Arg. Radio Callao, Callao 666  
 RW35 10. Astrakhan, UR (598)  
 7ZL 1. Hobart, Ausl. Elizabeth St. Mon. to Fri. 830-1030; 1200-1530; 1630-1800; 1900-100; Sat. 830-1000; 1230-1300; Sun. 1200-300; 1630-1830; 1915-2400  
 ..... 120. Vienna, Aust. (592) Wein No. 1, Johannesgrasse No. 4B Daily 310-1900 EST

600 (499.7) [ ]

CNR 25. Rabat, Mor. (601) Radio Maroc, Office Cheriffen des Postes et Telegraphes.  
 PRH2 25. Porto Alegre, Brz. (now building)  
 RW82 2.5 Frounze, U.S.R. (608)  
 SBD 10. Sundsvall, Swe. (601)  
 XMHA .6 Shanghai, Chn.  
 ZTC 10. Cape Town, S. Af.  
 4QN 7. Clevedon, Ausl.

610 (491.5) [ ]

CX4 1. Montevideo, Uru. Direccion de Agronomia, Millan, 746; 10-12; 17-19  
 IIFI 20. Florence, I. E.I.A.R. Stazione di Firenze. Weekdays 130-1730; Sun. 310-1730 EST  
 JODK2 10. Seoul, Ko.  
 KZRM 50. Manila, P. I. (618.5) Daily 600-2300  
 RW18 1. Pratiorsk, UR  
 RW22 10. Oufa, U.S.R. (617)  
 RW50 2.5 Oust Abakansk, UR (617)  
 RW79 10. Murmansk, U.S.R.  
 XGSS .015 Tsunshi, Chn.  
 2FC 3. Sydney, Ausl. 96 Market St. Mon. to Fri. 830-930; 1100-1300; 1330-1530; 1630-1745; 1900-100; Sat. 830-930; 1100-1830; 1900-100; Sun. 1130-1345; 1630-1815; 1930-2400

620 (483.6) [ ]

CE62 1. Santiago, Chl. (625)

Radio Chilena, Ed. Mutual 930-1130; 1230-15; 1630-24  
 CT1AA 20. Lisbon, Por. (629) Emissora Nacional. Daily 700-1900 EST  
 JOTK .5 Matsuye, Jap. (625)  
 LKT 20. Trondelag, Nor. (629)  
 LV3 2. Cordoba, Arg.  
 RW31 10. Ivanovo, U.S.R. (625)  
 ZEK .25 Hong Kong, Chn.  
 4ZP .5 Invercargill, N. Z. R. T. Parsons, 155 Layard St. N., Mon., Wed. 1230-1330; 1830-2130; Tue., Thus., Fri. 1230-1330; 1900-2200; Sat. 1830-2130; Sun. 1100-1200; 1830-2200.

No. 1 15. Brussels, Belg. la Rue du Bastion Weekdays 655-1800; Sun. 445-1900 EST  
 ..... 20. Cairo, Egypt.  
 ..... 20. Jerusalem, Pal.

630 (475.9) [ ]

JODG .5 Hamamatsu, Jap. (635)  
 LS3 4.5 Buenos Aires, Arg. Radio Mayo, Callao 1526  
 OKP 120. Praha, Cz. (633). The Radio Journal, Praha, Cz. Daily 0030-1730 EST  
 RW28 .3 Vladivostok, U.S.R. (635)  
 RW32 10. Vladivostok, U.S.R. (635)  
 TW84 1.2 Oust-Abakansk, UR (635)  
 3AR 4.5 Melbourne, Ausl. 120A Russel St. Mon. to Fri. 830-1100; 1300-1900; 1930-2400; Sat. 830-1100; 1300-1900; 1930-130; Sun. 1225-1630; 1810-2230

640 (468.5) [ ]

JOUK .3 Akita, J. (645)  
 RW29 10. Petrozavodsk, U.S.R. (649)  
 RW56 1.2 Penza, U.S.R.  
 YN 90. Lyons, F. (648). La Doua (testing). Daily 215-1800 EST  
 ZEK .5 Hong Kong, Chn. GMT Mon., Thurs., Sat., from 12:30. The Secretary, Hong Kong Brdcstg. Com., P. O. Box 200.  
 ZTJ 10. Johannesburg, S. Af. (645)  
 5CK 7.5 Crystal Brook, Ausl. Relays 5CL Mon. to Fri. 9-10; 1230-1600; 17-1830; 1930-130; Sat. 9-1030; Sun. 1230-1530; 17-19; 1945-0030  
 ..... .1 Shanghai, Chn.

650 (461.3) [ ]

CX6 10. Montevideo, Uru. Estacion Oficial, Martin Fierro 2603. 12-14; 17-23  
 JOCG .3 Asahigawa, J. (655) Pres. NBC, Hokkaido Asahikawa Branch, EST Daily 11 p.m.-7:30 a.m.  
 JQAK .5 Dairen, Mnch. (652)  
 1YA 10. Auckland, N.Z. Karangahape Rd. Mon. to Sat. 7-9; 10-23; Sun. 9-1215; 13-1630; 18-22  
 ..... 100. Cologne, G. (658) Dagoberstrabe No. 38 Daily 0000-1800 EST

660 (454.3) [ ]

CE66 1. Santiago, Ch. (665) Union Espanola, Dcllas 1159 (now bldg.) Nanking, Chn.  
 XGOA 75. Alexandrovsk U.S.R. (662)  
 RW38 2. Manchester, G. B. (668) North Regional Weekdays 51E-1900; Sun. 730-1745 EST

670 (447.5) [ ]

JFAK 10. Taihoku, For.  
 LS4 6. Buenos Aires, Arg.  
 MTFY 3. Harbin, Mnch. (674)  
 RW22 1. Grozny, U.S.R. (676)  
 YVGRV .35 Valencia, Vnz.  
 2CO 1. Corowa, Ausl. Relays 3LO and 3AR. Mon. to Fri. 830-13; 1330-1530; 1630-1745; 19-1; Sat. 830-1030; 1130-13; 1330-1830; 19-100; Sun. 1130-1345; 1430-1815; 1930-2400  
 ..... 25. Sottens, Swi. (677) Report to PTT Berne, Speichergasse No. 6. Weekdays 630-1630; Sun. 355-1630 EST

680 (440.9) [ ]

HJN .5 Bogota, Col. (681)  
 JOLK .5 Fukuoka, J.  
 JOVK .5 Hakodate, J.  
 LKD .5 Bodo, Nor. (686)  
 RW17 10. Kazan, UR. (686)  
 RW27 4. Makhatsh, UR. (689)  
 RW46 1.2 Karaganda, U.S.R. (686.5)  
 RW71 1.2 Petropavlovsk, U.S.R. (689)  
 RW74 1.2 Tchekoborsk, U.S.R. (686)  
 ..... 1.5 Belgrade, Yug. (686)  
 ..... 1.5 Salsbury, S. Af. (681.9)

690 (434.5) [ ]

CX8 1. Montevideo, Uru. Estacion Oficial



FOREIGN B. C. STATIONS BY FREQUENCIES

**XGOY** .5 Yunnan-fu, Chn.  
**6WF** 3.5 Perth, Ausl.  
 Hay St. Mon. to Fri.  
 1030-1230; 1400-1730;  
 1830-20; 21-3; Sat.  
 1030-12; 1430-3; Sun.  
 Sun. 14-17; 1830-2030;  
 2115-200  
 ..... 7. Paris, F. (695) **FPTT**  
 Ecole Supérieure des  
 Postes et Telegraphes  
 (Testing with 120 kw.)  
 Daily 300-1800 EST

**700 (428.3)**

**CE70** 1. Santiago, Chl. (705)  
 Ultimas Noticias,  
 Compania 1288; 1130-  
 1230; 16-20; 22-24  
**JOJK** .5 Okayama, J.  
**PRA7** .05 Sao Paulo, Brz., Rua  
 Tibirica 26 (706)  
**RW48** 2.5 Elista, USR. (704)  
**SBA** 55. Stockholm, Swe. (704)  
 Weekdays 145-1700;  
 Sun. 3-17 EST  
**VPB** 1.75 Colombo, Cey. (705)  
**XMHC** .5 Shanghai, Chn.  
**ZP15** .. Villarrica, Par.  
**2NR** 7. Lawrence, Ausl.

**710 (422.3)**

**IIRO** 50. Rome, I. (713)  
 Weekdays 130-1730;  
 Sun. 335-1730 EST  
**JOJK** 3. Kanazawa, J.  
**LS1** 5. Buenos Aires, Arg.  
 Radio Municipal,  
 Teatro, Colon  
**RW16** 10. Kotiibychew, USR.  
**XGML** .0075 Kashing, Chn. (714.3)  
**XGOS** 1. Chunking, Chn. (711)

**720 (416.4)**

**CW9** .12 Colonia, Brz. Ernesto  
 W. Labbe (bldg.)  
**JFBK** 1. Tainan, For.  
**JORK** .5 Kochi, J. Mr. Mat-  
 suo, Mgr., EST Daily  
 10:15 p.m.-7:30 a.m.;  
 Sun., 10:30 p.m.-7:30  
 a.m.  
**PRF2** .25 Rio Claro, Brz. (725)  
 Radio Club of Rio  
 Claro  
**PRG5** .75 Santos, Brz. Radio  
 Atlantica  
**RW9** 36. Kiev, USR. (722)  
**XLHC** .05 Shanghai, Chn.  
**XLHD** .05 Shanghai, Chn.  
**3YA** 10. Christchurch, N. Z.  
 Gloucester St. Mon.  
 to Sat. 7-9; 10-23;  
 Sun. 9-1215; 13-1630;  
 1730-22  
**6GF** 2. Kaigoorlie, Ausl.

**730 (410.7)**

**CE73** 1. Vina del Mar, Chl.  
 La Union, Ave. Por-  
 tales 528  
**CX10** 1. Montevideo, Uru.  
 Internacional Brd-

castg. Industria 2840;  
 11-15; 16-24  
**EAJ2** 3. Madrid, Sp. (731)  
 Radio-Espana  
**EAJ5** 5.5 Seville, Sp. (731)  
 Daily 230-1630 EST  
**JOSK** 1. Kokura, J. (735)  
**LVI** 1.5 San Juan, Arg. Radio  
 Graffingna, C. de  
 Correo 44  
**RW65** 1. Saransk, USR. (734)  
**XHGS** .05 Wuchow, Chn.  
**5CL** 2. Adelaide, Ausl.  
 Hindmarsh Square.  
 Same Schedule as  
**SCK**, 640 kc.  
 ..... 20. Tallin Est. (731)

**740 (405.2)**

**OFD** 1. Per, Fin. (749)  
**PRE6** 1.5 Uberaba, Brz.  
**XHHB** 1. Shanghai, Chn.  
**ZBL** 3. Sydney, Ausl.  
 96 Market St. Mon.  
 to Fri. 830-1100; 13-  
 19; 1930-2400; Sat.  
 830-11; 13-19; 1930-  
 130; Sun. 1225-1630;  
 18-2330  
 ..... 100. Munich, G. Funk-  
 haus Rundfunkplatz  
 No. 1  
 Daily 0000-1800 EST  
 ..... 5. Marseilles, F. (749)  
 PTT Daily 245-17 EST  
 ..... 2. Sortavaala, Fin. (749)

**750 (399.8)**

**HSTPJ** 10. Bangkok, Siam  
**JOBK1** 10. Osaka, J.  
**LR7** 1. Buenos Aires, Arg.  
**LUHO** .02 T'ung Hsien, Chn.  
**OAX4A** 1.5 Lima, Peru. Daily 11  
 a.m.-1 p.m.; 6-7; 9-11  
 p.m.  
**PRA2** 1.5 Rio de Janeiro, Brz.  
 Rua da Carcoca 45  
**PRA8** 3. Pernambuco, Brz.  
 Ave. Cruz Cabuga 394  
**RW64** 10. Urdjonikidze, USR.  
 (752)  
**XGOK** 1. Canton, Chn.  
**YVARC** 1. Caracas, Vnz.  
**ZTD** 1.5 Durban, S. Af.  
**7NT** 7. Kelso, Ausl. Same  
 schedule as 7ZL, 590  
 kc.  
 ..... 15. Trentsin, Chn.  
 ..... 12. Katowice, Pol. (758)  
 ..... 10. Maritzburg, S. Af.

**760 (394.5)**

**CE76** 10. Valparaiso, Chl. (765)  
 Coop. Vitalicia, Ed.  
 La Nacion, 9 Piso  
**LT4** .25 Mendoza, Arg.  
**PRD9** .25 Sorocaba, Brz. (769)  
 Radio Soc. Sorocaba  
**RW78** 3. Ijevsk, USR. (767)  
**XLHI** .0075 Shanghai, Chn.  
**XLHJ** .015 Shanghai, Chn.  
**2YB** .1 New Plymouth, N. Z.  
 Empire Bldg., King  
 St. Mon. 19-22; Wed.

1830-22; Sat. 1330-17  
 1830-22; Sun. 18-22  
 ..... 50. Falkirk, G.B. (767)  
 Scottish Regional  
 Weekdays 515-19;  
 Sun. 730-1730 EST

**770 (389.4)**

**CX12** 1. Montevideo, Uru.  
 Radio Westinghouse.  
 Itacabo 2620; 10-23  
**JOHK** 10. Sendai, J.  
**LKF** .7 Frederikstad, N. (776)  
**RW26** 10. Stalino, U.S.R. (776)  
**VUM** .2 Madras, In.  
**3LO** 3.5 Melbourne, Ausl.  
 120A Russel St. Mon.  
 to Fri. 830-930; 11-13;  
 1330-1530; 1630-1745;  
 19-1; Sat. 830-930; 11-  
 1830; 19-1; Sun. 1130-  
 1345; 1630-1815; 1930-  
 24  
 ..... 2. Toulouse, F. (776)  
 PTT Daily 330-1730  
 EST

**780 (384.4)**

**CE78** 1. Santiago, Chl. (785)  
 Huko, Providencia;  
 10-1130; 13-14; 1830-  
 20; 2130-24  
**JOPK** .5 Shizuoka, J.  
**KZEG** 1. Manila, P. I.  
 Daily 9-20  
**LT1** 5. Rosario, Arg.  
 Radio Litoral, Cor-  
 doba 1049  
**PRE7** 5. Sao Paulo, Brz. (788)  
 Radio Cosmos, Praca  
 Marechal Deodoro 52  
 Shanghai, Chn.  
**XHHC** .05 Leipsig, G. (785)  
 ..... 120. Temporarily on low  
 power.  
 Daily 00-18 EST

**790 (379.5)**

**EAJ1**  7.5 Barcelona, Sp. (795)  
 Union Radio. Daily  
 215-19 EST  
**JOGK** 10. Kumamoto, J.  
**LR10** 8. Buenos Aires, Arg.  
 Radio Cultura, Bel-  
 grano 1841  
**RW51** 1. Naitchik, USR. (794)  
**ZTB** .5 Bloomfontaine, S. Af.  
**4YA** .5 Dunedin, N. Z.  
 Stuart St. Mon. to  
 Sat. 7-9; 10-23; Sun.  
 9-1215; 13-1630; 1730-  
 22  
 ..... 16. Lwow, Pol. (795)  
 Polskie Radjo SA.  
 Rozgloszenia W Lwowie  
 Daily 1-18 EST

**800 (374.8)**

**LU2** .5 Bahiablanca, Arg.  
 Radio Educadora do  
 Brasil, Rua Senador  
 Dantas 82

**FOREIGN B. C. STATIONS BY FREQUENCIES**

**PRB7** .5 Rio de Janeiro, Brz.  
**XLHK** .0075 Shanghai, Chn.  
**XLHL** .1 Shanghai, Chn.  
**4QG** 2.5 Brisbane, Ausl.  
 State Insurance Bldgs. Mon. to Fri. 830-1030; 12-1530; 1630-18; 19-1; Sat. 830-10; 1230-1; Sun. 12-15; 1630-1830; 1915-24  
 ..... 50. Cardiff, G.B. (804)  
 West Regional Weekdays 515-1300; Sun. 730-1745 EST

**810 (370.2)**

**CE81** 1. Valparaiso, Chl. Chilena Consolidada, Edwards 383.  
**CX14** 5. Montevideo, Uru. El Espectador Ltd., Lanus 5760. 10-24  
**11MI** 50. Milan, I. (814) Radio Milano, Corso 28, Ottobre 102, Milano 134  
 Weekdays 130-1730; Sun. 330-1730 EST  
**JOCK1** 10. Nagoya, J.  
**PRA6** 10. Sao Paulo, Brz. (815) Radio Educadora Paulista, Rua Jose Bonifacio 12  
**VUC** 3. Calcutta, In.  
 ..... 1. Peiping, Chn.

**820 (365.6)**

**CE82** 1. Santiago, Chl. (825) El Diario Ilustrado, Moneda 1158. 9-10; 12-14; 16-1830; 20-24  
**LV7** .5 Tucuman, Arg. G. Acha Munoz y Cia. Mendoza 437  
**PRH8** 5. Rio de Janeiro, Brz. Radio Ipanema  
**RW68** 1.5 Tcheliabinsk, U.S.R. (824)  
**XLKB** .055 Tientsin, Chn.  
**2ZH** .065 Napier, N. Z. C. B. Hansen & Co., 59 Latham St., Mon., Tue., Fri. 12-14; 19-22; Wed. 12-14; 1830-2230; Thu. 12-14; Sat. 10-17; 19-23; Sun. 12-15; 1830-22  
**7HO** 1. Hobart, Ausl. 82 Elizabeth St. Mon. to Sat. 930-1030; 1330-1530; 1900-0030; Sun. 2130-2330  
 ..... 12. Bucharest, Ru. (823) Weekdays 6-1730; Sun. 430-1830 EST

**830 (361.2)**

**JOIK** 10. Sapporo, J. T. Okada, Chf. Engr. EST Daily. 4 a.m.-7:30 a.m.  
**LR5** 16. Buenos Aires, Arg. Radio Excelsior, Maipua 462

**RW39** 100. Moscow, U.S.R. (832) Innan Marr, Esq. Moscow-Stalin Radio Station. Daily 9-1630 EST  
**XGF** .0075 Tsinan, Chn. (833)  
**XGWH** .03 Wuhu, Chn.  
**3GI** 7. Longford, Ausl.

**840 (356.9)**

**F31CD** 12. Saigon, Indo. Cie Generale de Telegraphie sans Fil, P.O. Box, 238  
**LT8** .35 Rosario, Arg. Julio Blomberg, Sarmiento 958  
**PRA4** .5 Bahia, Brz. Radio Soc. da Bahia Chang-sha, Chn.  
**XGTM** .015 Shanghai, Chn.  
**XHHA** .15 Hengkong, C. (845) The Secretary, Hong Kong Brdcstg. Com., P. O. Box 200.  
**ZBW** 2. Wellington, N. Z. Featherstone St. Mon. to Sat. 17-18; 19-22; Sun. 18-22  
 ..... 100. Berlin, G. (841) Radio Reichsender, Berlin Brdcstg. House Daily 0000-1800 EST

**850 (352.7)**

**CX16** 1. Montevideo, Uru. SADREP, Av. S. Martinez 13500; 8-1  
**EAJ3** 3. Valencia, Sp.  
**HSP1** 2.5 Bangkok, Siam (856)  
**JOFK** 10. Hiroshima, J.  
**LKA** .35 Aalesund, Nor.  
**LKB** 1. Bergen, Nor.  
**LKP** .7 Persgrund, Nor.  
**PRB3** .25 Juiz de Fora, Brz. (857) Radio Soc. de Juiz de Fora, Parque Herald Simferopol, U.S.R. (859)  
**RW73** 10. Nairobi, Ken. (858)  
**VQ7LO** .6 Bombay, In. (855)  
**VUB** 3. Tsinan, Chn. (852)  
**XGOF** .5 Shanghai, Chn.  
**XQH8** .1 Renmark, Ausl.  
**SRM** 1. Sofia, Bul.  
 ..... 35. Strasbourg, F. (859) Radio Strasbourg PTT, 30 Rue du 22 Nov. Weekdays 545-19; Sun. 1630-19 EST  
 ..... 05. Hangchow, Chn.

**860 (348.6)**

**CE85** .5 Santiago, Chl. (865) Otto Becker, Ahumada 113. 10-1230; 15-17; 19-22.  
**LV10** .5 Mendoza, Arg.  
**PRA3** 2.5 Rio de Janeiro, Brz. Radio Club de Brasil, Rua Betancourt da Silva 21  
**XHHD** .05 Shanghai, Chn.

..... 16. Poznan, Pol. (868) Daily 1-18 EST  
 ..... 6. Paris, F. (868) AGEN

**870 (344.6)**

**CE87** .1 Talcahuano, Chl. (875) Francisco Morales, Aldea 96  
**JOAK1** 10. Tokyo, J. M. Tomabecio, EST Daily 4 a.m.-7:30 a.m.  
**LR6** 16. Buenos Aires, Arg. La Nacion, Florida 347  
**RW85** 2. Igarka, U.S.R. (871)  
**XLIL** .02 Suchow, Chn.  
**2GB** 1. Sydney, Ausl. "The Nation's Station", Adyar House, 29 Bligh St., Mon. to Sat. 830-1; Sun. 930-1330; 1415-24  
 ..... 50. London, G.B. (877) London Regional, Weekdays 515-1930; Sun. 730-1745 EST

**880 (340.7)**

**CE88** 1. Valparaiso, Chl. (885) El Mercurio de Valparaiso, Casiono de Vina del Mur. 1230-1345; 1630-1730; 20-23  
**LV2** 7. Cordova, Arg. Radio Central, San Lorenzo 339  
**PRB2** .25 Curityba, Brz. (882) Radio Club Paranaense  
**RW61** 1. Iochar-Ola, U.S.R. (888)  
**XHHV** .1 Shanghai, Chn.  
**YV2RC** .1 Caracas, Venz. (882)  
**1YX** .5 Auckland, N. Z. Karangahape Road Mon. to Sat. 17-18; 19-22; Sun. 18-22  
**6PR** .5 Perth, Ausl. Barrack St., Mon. to Sat. 1030-12; 14-1530; 21-2; Sun. 2330-130  
 ..... 7. Graz, Aust. (886) Daily 310-19 EST

**890 (326.9)**

**CX18** .75 Montevideo, Uru. Difusora El Espectador, E. Martinez Esq. J. Paullier, 11-14; 1730-24  
**MTBY** 1. Mukden, Mnch.  
**OFA** 10. Helsinki, Fin. (895)  
**XGKA** .015 Kashing, Chn. (895)  
**ZP9** 1.5 Asuncion, Par. (898)  
 ..... 5. Limoges, F. (895)

**900 (333.1)**

**CE90** 1. Santiago, Chl. (905) El Mercurio, Compania esq. Morande. 15-1630; 21-24  
**JODK1** 10. Seoul, Korea  
**KZIB** 1. Manila, P. I.  
 Daily 10-20  
**LV9** .5 Salta, Arg.

FOREIGN B. C. STATIONS BY FREQUENCIES

G. Sanches y Cia., Alberdi 110  
**PRF3** .5 Sao Paulo, Brz.  
**XGDN** .2 Nanking, Chn.  
**XGTM** .1 Tengchow, Chn.  
**2ZP** .105 Wairoa, N. Z.

E. A. Perry, 128 Queen St. Tue. 7-9; 18-2230; Wed. to Sat. 7-9; Sun. 730-930

**3MA** .05 Mildura, Ausl.  
 22 Deakin Ave. Mon. to Thu. 9-10; 12-13; 1930-24; Fri. 9-10; 12-13; 1930-0030; Sat. 9-10 1930-0030; Sun. 1230-1530; 1945-2330

**4WK** .05 Warwick, Ausl.  
 King and Albion Sts. Daily 1230-1530; 19-2330

..... 100. Hamburg, G. (904)  
 Radio Reichsender Hamburg. Daily 00-18 EST

**910 (329.6)**

**LR2** .6 Buenos Aires, Arg. Radio, Bolivar 1356 Argentina

**RW30** 10. Dnepropetrovsk, U.S.R. (913)

**XLIM** .05 Hanim, Chn.  
**4RK** 2. Rockhamton, Ausl. Relays 4QG. Same schedule as 4QG 800 kc.

..... 60. Toulouse, F. (913)  
 Villa Schmidt, Rue Monie. Daily 3-1930 EST  
 ..... 5 Limoges, F. (913)

**920 (325.9)**

**CW19** .05 Rocha, Uru. Arispuru y Machado, 10-13; 18-21

**JOQK** .5 Niigata, J.  
**OKB** 32. Brno, Cz. (922) Daily 0030-1730 EST

**PRC3** .25 Pelotas, Brz. Soc. Radio Pelotense R'de Janeiro, Brz. (923). Soc. Anonima "Journal do Brasil"

**PRF4** 10. Shanghai, Chn.  
**XHHX** 1. Nelson, N. Z.  
**2ZR** .015 Trafalgar St. Temporarily silent.

**930 (322.4)**

**CX20** 2. Montevideo, Uru. Radio Monecarlo, Humberto I No. 3. 11-1430; 16-24

**JOAG** .5 Nagasaki, J.  
**PRD2** 1. R'de Janeiro, Brz. (932) Soc. Radio Cruzeiro do Sul; Rua Mariz e Barros 270

**RW55** 1. Engels, U.S.R. (932)

**VUG** 1. Delhi, India  
**3UZ** .65 Melbourne, Ausl. 45 Bourke St. Mon. to Thu. 830-1530; 1645-100; Fri. 830-16;

1645-100; Sat. 830-1330; 1930-130; Sun. 1130-1400; 1915-2330  
**No. 2** 15. Brussels, Belg. (932) Weekdays 7-19; Sun. 5-19 EST

**940 (319)**

**CE94** 1. Santiago, Chl. (945) Chilena Consolidada, E. Llanos 35. 12-14; 17-20; 21-24

**JONK** .5 Nagano, J. K. Yanada, Dir. EST Daily 4-1930

**PRE4** .25 Rio de Janeiro, Brz. (941). Soc. Radio Cultura "A Voz do Espacao"

**SBB** 10. Goteborg, Swe. (941) Weekdays 15-17; Sun. 3-17 EST

**XHHE** 1. Shanghai, Chn.  
**3ZR** .4 Greymouth, N. Z. West Coast Radio Soc., Bright St., Cobden. Mon. to Fri. 730-830; 15-17; 18-19; 1930-22; Sat. 730-830; 1330-17; 18-21; Sun. 12-1330; 1730-1830; 19-21

..... 12. Algiers Alg. (941) Radio PTT du Govt. Gen., Rue Berthezene, Alger, Algeria, N. Af. Daily 8-18 EST

**950 (315.6)**

**LR3** 12. Buenos Aires, Arg. Radio Belgrano, Belgrano 1841

**PP** 60. Paris, F. (959) Poste Parisien, 4 Rue du General-Foy. Daily 210-18 EST

**PRF8** .5 Bahia, Brz. (959) Radio Commercial da Bahia

**RW40** 1. Gomel, U.S.R. (959)  
**RW54** 1. Gomel U.S.R. (959)

**XGOP** .28 Peiping, Chn.  
**ZTP** .5 Pretoria, S. Af. (952)

**2UE** 1. Sydney, Ausl. Rex Shaw, 296 Pitt St., Mon. to Fri. 730-15; 16-1; Sat. 730-1230; 1500-130; Sun. 930-1330; 1815-0030

..... 100. Breslau, G. Schlesische Funkstunde, GMBH, Breslau 18 Daily 23-18 EST

**960 (312.3)**

**JOOK** .3 Kyoto, J.  
**PRB4** 1. Santos, Brz. Radio Club de Santos, Rua de Pedro II 16.

**RW13** 10. Odessa U.S.R. (968)  
**RW67** 2. Oukhta, U.S.R. (968)  
**RW69** 10. Odessa, U.S.R. (968)

**XHHF** .1 Shanghai, Chn.  
**YVIRC** 5. Caracas, Venz. (961)

**Brdcstg. Caracas, Apt de Correos 2009. Sun. 9-23; Weekdays 16-2230**

**2ZF** .25 Palmerston, N. Z. King St., Mon., Thurs., Sat., 20-22; Wed. 1815-22; Fri., Sun., 19-2130

**5DN** .3 Adelaide, Ausl. 29 Rundle St., Mon. to Fri. 915-115; Sat. 915-15; 20-115; Sun. 845-0015

**970 (309)**

**CX22** .25 Montevideo, Uru. Fada Radio, Larranga 278. 1030-1530; 17-23

**JOBG** .5 Maebashi, J.  
**XHIB** .075 Wusih, Chn.  
**3BO** .2 Bendigo, Ausl. Kangaroo Flat. Mon. to Fri. 1230-1500; 19-24; Sat. 1230-24; Sun. 1130-1430; 2030-2330

..... 1. Belfast, GB (977)

**980 (303.9)**

**CE98** 1. Santiago, Chl. (985) Radio Bayer, E. Llanos 35. 13-14; 1930-2330

**CNO** .025 Casablanca, Mor. (983)

**11GE** 10. Genoa, I. (986) EIAR Stazione di Genova. Weekdays 130-1730; Sun. 310-1730 EST

**JOXK** .5 Tokushima, J. T. Tsutsumi, Chf. Engr. EST Daily 2205-730; Sun., 2230-730

**OAX4E** .05 Lima, Peru, Juan P. Goicochea, Jiron Ocona No. 158

**PRC6** 1. R'de Janeiro, Brz. Soc. Radio Philips, Rua Sacadura Cabral 43

**XMHB** .5 Shanghai, Chn.  
**2LV** . Invernell, Ausl.  
**2ZJ** .06 Gisborne, N. Z.

..... 229 Gladstone Rd. Mon., Fri., Sat., 19-22; Tues., Wed., 12-1330; 19-22; Thurs., 19-20

**4AY** .1 Ayr., Ausl. Norman L. Dahl, Airdmillon Rd. "The Voice of the Cane Fields"

Mon. to Sat. 16-1830; 1930-24; Sun. 2130-2330

**6AM** 1. Northam, Ausl. Mon. to Sat. 10-12; 1530-1730; 21-2; Sun. 1330-1730; 1830-2030; 2130-130

..... 24. Torun, Pol. (986) (Testing)

**990 (302.8)**

**JOFG** .3 Fukui, J.  
**LR4** 12. Buenos Aires, Arg.

**FOREIGN B. C. STATIONS BY FREQUENCIES**

**PFBI 60.** Radio Splendid, Cal-lao 1526. Daily 11-24  
 Hilversum, Hol. (995)  
 Heir Radio Hilver-sum, Ouden, Engweg, 4. Daily 310-1810 EST  
**XGCK .075** Chuching, Chn.  
**XGOD 1.** Hangchow, Chn.  
**2GZ 2.** Orange, Ausl.

**1000(299.8)**

**CE100 .5** Santiago, Chl. (1005)  
 La Nacion, Fontecilla 66  
**CW23 .25** Salto, Uru.  
 Modesto Llantada. 10-1230; 17-20  
**HJ3ABH 2.** Bogota, Col. (1005)  
 "La Voz de La Vic-tor", Aptdo 565, Sun., 12-14; 16-21; Wednes-days 1130-14; 18-23  
**HJ4ABJ .05** Armenia, Col.  
**OKR 13.5** Bratislava, Cz. (1004)  
 Daily 0030-1730 EST  
**PRA9 1.** Rio de Janeiro, Brz.  
 Radio Soc. Mayrink Veiga, Rua Mayrink Veiga 17  
**PRB8 .05** Mogy das Cruzes, Brz.  
**XGMK .015** Poatung, Chn. (1005)  
**XGOT .05** Talyuan, Chn.  
**ZP3 .3** Asuncion, Par.  
**4GR .5** Toowoomba, Ausl.  
 Ruthven St. Mon. to Fri. 8-1530; 19-2330; Sat. 8-1130; 1930-2330; Sun. 1130-1430; 030-2330

**1010(296.9)**

**CE101 1.** Vina del Mar, Chl.  
 Los Castanos Ave. 393. 1230-1330; 18-19; 21-22  
**CX24 10.** Montevideo, Uru.  
**PRB9 5.** Sao Paulo, Brz. (1017)  
 Radio Soc. Record, Praca da Republica 17  
**RW86 5.** Tchernigov, USR. (1013)  
**XGOW 5.** Hangkow, Chn.  
**3HA .3** Hamilton, Ausl. 37  
 Gray St., "The Age Brdcstg. Service", Mon. to Sat. 830-1030; 1330-1745; 1915-2400; Sun. 1230-1800; 2015-0030  
**4ZB .025** Dunedin, N. Z. 180  
 Rattray St. Wed., Thu. 18-23; Sun. 10-12  
**4ZM .003** Dunedin, N. Z.  
 McCracken & Wells, 17 George St. Mon., Wed., Thu., Fri. 9-1145; 13-14; Tue. 9-1145; 13-14; 18-23; Fri. 10-12; 13-14; Sat. 9-12; 17-22; Sun. 14-22  
**4ZO .025** Dunedin, N. Z.  
 Mon. 12-13; 14-15; 20-23; Tue., Wed., Thu., 12-13; 14-15; 17-18; Fri. 12-13; 14-15; 17-

18; 19-23; Sat. 12-13  
 Davenport, G. B. (1013)  
 Midland Regional.  
 Weekdays 545-1815;  
 Sun. 1130-1745 EST

**1020(293.9)**

**CE102 .1** Santiago, Chl. (1025)  
 Nacimiento, J. In-fante 2290. 13-14; 2130-2330  
**EAJ15 3.** Barcelona, Sp. (1022)  
**EAJ19 .7** Oviedo, Sp. (1022)  
**JBAK .5** Fuzan, Korea  
**OBJ ..** Lima, Peru. Escuela Militar de Chorrillos.  
**XHHG .1** Shanghai, Ch.  
**2KY 1.** Sydney Ausl. The Block, George St. Mon., Tue., Thu., Fri. 815-1330; 1430-17; 1745-0030; Wed. 815-1330; 14-0030; Sat. 815-1240; 14-18; 1845-0030; Sun. 9-0030  
 ..... 2. Cracow, Pol. (1022)

**1030(291.1)**

**CE103 .1** Valdivia, Chl. (1035)  
 Carlos Kahlor, Isla Teja  
**CT1GL 5.** Parede, Por. (1031)  
 Radio Club Portu-guese.  
**LR9 5.** Buenos Aires, Arg.  
 Radio Fenix, Santa Fe 1174  
**PRC8 1.** Rio de Janeiro, Brz.  
 Radio Soc. Guanabara, Rua1st de Mayo 123  
**XGOF 1.** Foochow, Chn.  
**YV1RMO ..** Maracaibo, Venez. (1034)  
**3DB .6** Melbourne, Ausl.  
 36 Filinders St. Mon. to Fri. 8-1; Sat. 8-130; Sun. 1130-1330; 1530-24  
 ..... 100. Konigsberg, G. (1031)  
 Daily 00-18 EST

**1040(288.3)**

**CE104 .1** Magallanes, Chl.  
 Ramon Verde San-ches, Mexicana 936. 1630-1730; 18-19; 2130-2230  
**CP4 10.** La Paz, Bol.  
 Carlos Lopez Vedela, Casilla 637  
**CW25 .5** Durazno, Uru.  
 Artoia Evangelisti y Cia. 10-13; 18-23  
**RW70 10.** Leningrad USR.  
**XHHH .1** Shanghai, Chn.  
**5PI 2.** Port Pirie, Ausl.  
 Relays 5AD. Mon. to Fri. 8-16; 19-1; Sat. 8-16; 17-1; Sun. 1930-24  
 ..... 40. Rennes-Bretagne, F.  
 Daily 3-1730 EST

**1050(285.5)**

**CE105 1.** Valparaise, Chl.  
 Radio Valparaise, Prat 773. 1230-1315; 17-18; 2130-2235  
**CX26 2.** Montevideo, Uru.  
 Radio Uruguay, Millan 2370. 9-1430; 16-21  
**11BA 20.** Bari, I. (1059) EIAR  
 Stazione di Bari  
 Weekdays 130-1730; Sun. 335-1730 EST  
**PRF6 10.** Rio de Janeiro, Brz.  
**RW33 1.** Krasnodar, USR.  
**XHKA .1** Tien-tsin, Chn.  
**2CA .5** Canberra, Ausl. Mon. to Fri. 14-15; 19-2330; Sat. 1930-2330; Sun. 2130-2330  
 ..... 50. Falkirk, G. B. Scot-tish National. Week-days 545-1815; Sun. 1130-1745 EST

**1060(282.8)**

**CE106 1.** Santiago, Chl.  
 Sud America, Goi-colea 0122. 11-13; 17-18  
**LT9 .2** Santa Fe, Arg.  
 Radio Roca Soler  
**RW57 .4** Tiraspol, USR. (1068)  
**XHHI .1** Shanghai, Chn.  
**3YB .025** Melbourne, Ausl.  
 430 Little Collins St. Mon. to Sat. 20-24; Sun. 2030-2330  
**4MB .05** Maryborough, Ausl.  
 Wynne's Stn. Mon. to Fri. 10-1130; 1330-1530; 20-2330; Sat. 10-1130; 1330-1530  
 ..... 2. Paris, F. (1068)  
 Radio-Cite

**1070(280.2)**

**LR1 .5** Buenos Aires, Arg.  
 Radio El Mundo  
**PYG2 10.** Sao Paulo, Brz. Ra-dio Tupy Sao Paulo  
**XGOX .2** Honan-fu, Chn.  
**XKRI .1** Canton, Chn. (1071)  
 ..... 30. Bordeaux - Lafayette  
 Hotel des PTT, 220  
 Chemin de Toudou  
 Daily 300-1730 EST

**1080(277.6)**

**CE108 .1** Concepcion, Chl.  
 (1085) El Sur, Freyre 799. 14-15; 20-22  
**CW27 .25** Salto, Uru.  
 Ernesto Popelka. 8-14; 17-23  
**JOBK2 10.** Osaka, J. (1085)  
**LT3 3.5** Rosario, Arg. Radio Soc. Rural de Cereal-istas, Pte. Roca 770  
 Lima, Peru  
**OAX4F .05** F. W. Castelano & Hno. Opens and closes "Anchors A-

FOREIGN B. C. STATIONS BY FREQUENCIES

weigh" Daily except Sun., 15-17 EST  
**SCC** 2. Falun, Swe. (1086)  
**XHHJ** .2 Shanghai, Chn.  
**ZP7** .7 Asuncion, Par. (1083)  
**2AD** ... Armidale, Ausl.  
**3SH** .05 Swan Hill, Ausl.  
 Mon. to Sat. 14-15;  
 2030-24; Sun. 1345-  
 1545; 1745-1930; 2045-  
 2330  
 ..... 7 Zagreb, Yu. (1086)

1090(275.1)

**CE109** .1 Valparaiso, Chl.  
 Zenith, Atahualpa  
 816 13-14; 2130-2330  
**CX28** 3. Montevideo, Uru.  
**EAJ7** 10. Madrid, Sp. (1095)  
 Union Radio Station  
**EAJ7**, Aptdo 745.  
 Daily 3-19 EST  
**PRC2** 3. Porto Alegre, Brz.  
 Radio Soc. Gaucha,  
 Galerie Chaves  
**PRC7** .25 Bello Horizonte, Brz.  
 Soc. Radio Mineira  
 Vinnltza, USR. (1095)  
**RW75** 10. Loyang, Chn.  
**XGOB** .25  
**1ZB** .1 Auckland, N. Z.  
 153 Krangahape Rd.  
 Tue. to Fri. 9-930;  
 1015-1100; 1830-2130;  
 Sat. 9-930; 1015-11;  
 1515-1645; Sun. 9-12;  
 1830-2130  
 ..... Shuhing, Chn.

1100(272.6)

**CE110** 1. Santiago, Chl. (1105)  
 Mavis, Ave. J. D.  
 Canas 655. 12-13;  
 21-23  
**HJ3ABD** .05 Bogota, Col.  
 Alford's Radio, Calle  
 16. No. 5-40  
**11NA** 1.5 Naples, I. (1104)  
**XHMS** .1 Shanghai, Chn.  
**7LA** .3 Lancaster, Ausl.  
 67 Brisbane St. Mon.  
 to Fri. 9-1030; 1330-  
 1530; 19-24; Sat. 9-  
 1030; 16-1830; 19-24;  
 Sun. 1915-2330  
 ..... 50. Madona, Lat. (1104)  
 Weekdays 00-1630;  
 Sun. 200-1700 EST

1110(270.1)

**CE111** .1 Osorno, Chl. (1115)  
 David Arriagada,  
 Baquedano 715  
**LS5** 4.5 Buenos Aires, Arg.  
 Radio Rivadavia,  
 Callao 1526  
**OKK** 11.2 Moravska, Cz. (1113)  
 Daily 0030-1730 EST  
**2UW** 1. Sydney, Ausl., J. M.  
 Prentice, Box 241D,  
 GPO. "At the Cross  
 Roads of Sydney".  
 24 hrs. daily.  
 ..... 10. Normande, F. (1113)  
 Fecamp

Daily 2-21 EST  
 ..... .001 Suchow, Chn.

1120(267.7)

**CE112** .1 San Felipe, Chl.  
 Ilustre Municipalidad,  
 Baquedano 715  
**CW29** .05 Mercedes, Uru.  
 Bautista Abbo. 1130-  
 13; 1830-2230  
**HAE** 6.2 Nyiregyhaza, Hung.  
 (1122)  
**LV5** .7 San Juan, Arg.  
 Radio Los Andes, G.  
 Acha 362  
**PRM3** 10. Sao Paulo, Brz.  
 Radio Piratininga  
**XLHM** .05 Shanghai, Chn.  
**XLHN** .2  
**4BC** 1. Brisbane, Ausl., R. F.  
 Roberts, 43 Adelaide  
 St., Mon. to Fri. 8-  
 0030; Sat. 8-11; 1330-  
 0030; Sun. 830-1330;  
 1630-24  
 ..... .25 Alexandria, Eg. (1122)  
 ..... 1. Newcastle, G.B. (1122)

1130(265.3)

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

1140 (263)

**CE114** .1 Santiago, Chl. (1145)  
 Spencer y Vivado,  
 Roman Diaz 1132.  
 13-14; 2130-2330  
**CW30** . Tucuaremo, Uru.  
**I1TO** 7. Turin, I.  
 Weekdays 130-1730;  
 Sun. 310-1730 EST  
 Shanghai, Chn.  
**XHHL** .1 Newcastle, Ausl.  
**2HD** .5 Box 123. Mon. to Fri.  
 730-1530; 1630-1730;  
 19-24; Sat. 730-1530;  
 1630-1730; 19-130;  
 Sun. 1030-1330; 1630-  
 1730; 1830-130  
**4YO** 1.5 Dunedin, N. Z.  
 Mon. to Sat. 17-18;  
 19-22; Sun. 18-22  
 ..... 20. London National,  
 G.B. (1149)  
 ..... 20. North National, G.B.  
 (1149)  
 Weekdays 545-1815;  
 Sun. 1130-1745 EST

..... 20. West National, G.B.  
 (1149)  
 Same as North  
 National

1150(260.7)

**CE115** .1 Talca, Chl. (1155)  
 Enrique Garcia, Mo-  
 lino Holman  
**HC2ET** .3 Guayaquil, Ec. (1153)  
**HJ1ABM** .05 Cartagena, Clb. (1154)  
**LR8** 5. Buenos Aires, Arg.  
 Radio Paris, Cangallo  
 860  
**XGGW** .05 Tengchow, Chn.  
**XGOZ** .1 Kongsu, Chn.  
**XGYV** .015 Tsangchow, Chn.  
**YV7RMO** .5 Maracaibo, Venz.  
 (1153)  
**2WG** .2 Wagga, Aus.  
 16 Fitzmaurice St.  
 Mon. to Sat. 930-1030;  
 1330-1530; 1930-24;  
 Sun. 2130-2330  
**2ZM** .015 Gisborne, N. Z.  
 Mon., Tue., Wed., Fri.,  
 Sat. 915-1015; Thu.  
 915-1015; 20-2230;  
 Sun. 19-22  
 ..... 2.6 Kosice, Cz. (1158)

1160(258.5)

**CW31** .25 Salto, Uru.  
 Salvador E Pera. 9-  
 1230; 16-23  
**L7S** .5 Resistencia, Arg.  
 Radio Chaco, Av. 9 de  
 Julio  
**XHHU** .1 Shanghai, Chn.  
**2KA** .1 Katoomba, Ausl.  
 80 Market St. Time  
 indefinite  
**4MK** .1 Mackay, Ausl.  
 64 Nelson St., Mon.  
 to Fri. 11-1230; 15-  
 19; 20-0030; Sat. 11-  
 19; 20-0030; Sun.  
 1130-14; 1630-1830;  
 20-23  
**6BY** .05 Bunbury, Ausl.  
 Bedford Hall  
 ..... 15. Mta. Generi, Sw.  
 (1167)  
 Report to PTT Berne,  
 Speilbergrasse No. 6  
 Weekdays 6-17; Sun.  
 430-1630 EST

1170(256.3)

**CE117** .25 Valparaiso, Chl.  
 A Garcia y Cia, Cerro  
 Carcel 47  
**CX32** .5 Montevideo, Uru.  
 Radio Marconi, Gen.  
 Hornos 537. 10-2  
**JOCK2** 10. Nagoya, J. (1175)  
**PRB6** 1. Sao Paulo, Radio  
 Cruzeiro do Sul, Lar-  
 go da Misericordia 4  
**PRC9** .25 Campinas, Brz. (1175)  
 Radio Educadora di  
 Campinas  
**XLIF** .03 Wush, Chn.  
**2NZ** 2. Narrabri, Ausl.  
**2ZD** .005 Masterton, N. Z.

FOREIGN B. C. STATIONS BY FREQUENCIES

W. D. Ansell, 7 Rimu St. Daily 20-22. Relays 2YA Tue., Fri., Sat., Sun.  
 4TO .2 Townsville, Aus. Mon., Tue., Thu., Fri. 9-1; 1330-1530; 1930-2345; Wed., Sat. 9-10; 15-19; 1930-2345; Sun. 2030-2330  
 ..... 10. Copphen., Den. (1176) Strats Radio Fonien Heibergsgrade No. 7

1180(254.1)

CE118 1. Santiago, Chl. (1185) Siam. Boliver 1551 Salto, Uru.  
 CW32 .25 Tromsø, Nor. (1186) LKM .1 Kharkov, USR. (1185) RW20 10. Shanghai, Chn. XHHZ .15 Melbourne, Ausl. S. Morgan, 64 Elizabeth St., "The Brighton Brdstg. Service".  
 ..... 10. 24 Victoria St. Mon. to Fri. 8-1530; 16-18; 1830-100; Sat. 8-1215; 1345-230; Sun. 16-18; 1930-24

1190(252)

CE119 .1 Magallanes, Chl. Radio Austral, Independencia s/n. 20-23 Buenos Aires, Arg. Radio Prieto, Bolivar 1356  
 LS2 25. Lima, Peru. Radio Zenith, Casa Davile Peiping, Chn. (1194) OAX4H .... Sydney, Ausl. 77 York St., Mon. to Fri. 830-15; 1630-0030; Sat. 830-14; 1445-0030; Sun. 12-14; 16-2330  
 XLKA .03 Frankfurt, G. (1195) 2CH 1. Eschersheimer Landstrabe No. 33. Daily 00-20 EST  
 ..... 5. Freiburg, G. (1195) ..... 2. Kaiserslautern (1195) ..... 5. Trier, G. (1195) ..... 5. Cassel, G. (1195) ..... 2. Coblenz, G. (1195)

1200(249.9)

CE120 .1 Curico, Chl. (1205) Melw 11  
 CW33 .075 Florida, Uru. Omar F. Barreiro. 11-13; 2030-23  
 HJ3ABE 1. Bogota, Cib., Uribe y Moreno, P. O. Box 317.  
 OAX4B .25 Lima, Peru PRD3 .25 Taubate, Brz. (1207) Soc. Radio Bandeirante  
 PRG9 5. Sao Paulo, Brz. XHHN .1 Shanghai, Chn. YV3RC 3. Caracas, Vnz. Bajos Pasaje Ramella  
 VUL .1 Lahore, India  
 3YL .5 Christchurch, N. Z.

Mon. to Sat. 17-18; 19-22; Sun. 18-22  
 SKA .3 Adelaide, Ausl. Richards Bldg., Mon. to Fri. 830-1; Sat. 830-2; Sun. 12-14; 17-18; 1845-100  
 No. 2 5. Praha, Cz. (1204) Bangkok, Siam

1210(247.8)

CX34 .5 Montevideo, Uru. Radio Artigas, Millan 2370. 10-16; 18-23  
 OA4AR .025 Lima, Peru O4AD .025 Lima, Peru XLPH .015 Pinghu, Chn. XLTC .015 Wusih, Chn. 2GF .05 Grafton, Ausl. 47 York St., Mon. 9-10; 1330-1430; 1930-2330; Tue. to Sat. 9-10; 1430-1530; 1930-2330  
 6KG .085 Kalgoolie, Ausl. 86 Palace Chambers. Mon. to Fri. 1430-1630 22-2; Sat. 1730-2030; 2230-2; Sun. 2315-0130  
 ..... 60. Lille, F. (1213) Radio PTT Nord (testing) Daily 3-1730 EST

1220(245.8)

CE122 1. Santiago, Chl. (1225) Radio Mayo, Bandera 154. 11-12; 21-23  
 CW34 .25 Salto, Uru. I1TR 10. Trieste, I. (1222) Weekdays 130-1730; Sun. 310-1730 EST  
 PRE3 10. Rio de Janeiro, Brz. Radio Transmissora Brasileira  
 XGOT .5 Pei-ping, Chn. 4AK 1. Oakey, Ausl. Daily 19-0030  
 4ZL .1 Dunedin, N. Z. 243 Macandrew Rd. Mon., Thu., Sat. 8-9; 1930-23; Tue., Wed., Fri. 8-9; Sun. 830-1030  
 ..... 3. Narvik, Norway (1222)

1230(243.8)

HJABK .3 Medellin, Cib. LS8 20. Buenos Aires, Arg. Radio Stentor, Florida 8  
 2NC 2. Newcastle, Ausl. Relays 2FC and 2BL. Mon. to Fri. 830-1530; 1630-1745; 19-100; Sat. 830-1030; 1130-1830; 19-100; Sun. 1130-1815; 1930-24  
 ..... 5. Gleiwitz, G. (1231) ..... 05. Hangchow, Chn.

1240(241.8)

CE124 .1 Concepcion, Chl. (1245) Rolando Beckdorf, Ave. Argentina 977

CW35 .25 Paysandu, Uru. Buenaventura y Mahler. 9-13; 17-22  
 LV-14 .2 La Rioja, Arg. Radio Provincia de La Rioja  
 XHHY .1 Shanghai, Chn. 22L .05 Hastings, N. Z. John Holden, 609 Park Rd. Thurs., 1830-23; Sun. 930-1200  
 3TR .5 Sale, Ausl. A. Gilchrist, Raymond St., "Gippsland's Radio Station." Mon. to Fri. 12-15; 19-24; Sat. 12-1430; 1930-24; Sun. 20-24  
 6CK .1 Cork, I. F. S. 6IX .5 Perth, Ausl. St. George's Terrace. Mon. to Fri. 1230-1430 2130-230; Sat. 1230-1545; 2130-230; Sun. 17-1830; 2130-200  
 ..... 2. Juan-les-Pins, F. (1249). Radio Cote d'Azur.  
 ..... 2. Swedish Relay Stations.

1250(239.9)

CE125 1. Valparaiso, Chl. David Wallace, Esmerald 1111. 13-14; 19-20; 2130-22.  
 CX36 .25 Montevideo, Uru. Centenario Brdstg. Ignacio Nunez 2133. 9-14; 17-24  
 EAJ8 1. Sn. Sebastian, Sp. (1258)  
 HC2JB .03 Guyaquil, Ec. MABS .035 Suquiauang, Chn. PYG8 .25 Bauru, Brz. XLIE .05 Wusih, Chn. No. 3 1. Rome, I. (1258) ..... 10. Kuldiga, Lat. (1258)

1260(238)

CE126 1. Santiago, Chl. (1265) Consorcio Espanol. Gran Ave. 2564. 9-10; 16-17; 21-22.  
 CW36 .03 Salto, Uru. LT11 .25 Parana, Arg. Radio Provincia de Entre Rios.  
 XHHP .1 Shanghai, Chn. IZM .05 Manurewa, N. Z. W. Rodgers, Massey Rd. Mon. to Fri. 17-22; Sat. 13-16; 17-24; Sun. 10-18; 19-22  
 3WR .05 Shepparton, Ausl. High St. Mon. to Fri. 12-1430; 1930-0030; Sat. 12-1430; 2030-2330; Sun. 2130-2230  
 ..... 2. Nurnberg, G. (1267)

1270(236.1)

LKK .5 Khristiansand, Nor. (1276)

FOREIGN B. C. STATIONS BY FREQUENCIES

LKS .5 Stavanger, Nor. (1276)  
 LS9 5. Buenos Aires, Arg.  
 Radio La Voz del  
 Aire, Pozos 439.  
 OA40 .1 Lima, Peru (1277)  
 PRE8 7. Rio de Janeiro, Brz.  
 Soc. Radio Nacional  
 Rua Buenos Aires 120.  
 TUA .5 Tunis, Tun. (1275)  
 XDYF .015 Wu-hu, Chn.  
 ZP4 .15 Asuncion, Par. (1275)  
 25M 1. Sydney, Ausl. 46  
 Carrington St.,  
 "Double D Eucalyptus"  
 Australia House. Mon. to Sat. 830-1030;  
 1430-24; Sun. 1230-24

1280(234.2)

CE128 .5 Temuco, Chl.  
 Luis Brain. 14-15; 20-22.  
 CW37 .025 Colonia, Uru.  
 N. Gonzales Moreno. 9-11; 14-18; 20-23.  
 LU7 .2 Bahiablanca, Arg.  
 Radio Gen. San Martin,  
 Calle Sarmiento 60.  
 PRG3 10. Rio de Janeiro, Brz.  
 Shanghai, Chn.  
 3AW .6 Melbourne, Ausl.  
 218 Exhibition St. Mon. to Sat. 8-1130;  
 1230-1; Sun. 1145-14;  
 18-24.  
 4ZC .007 Cromwell, N. Z.  
 John I. Bilton, Lowburn  
 Ferry. Daily 19-21.  
 .1. Aberdeen, G. B. (1285)  
 .25 Dresden, G. (1285)  
 .1 Tientsin, Chn.

1290(232.4)

CX38 .5 Montevideo, Uru.  
 Ramon Puyal, Caigua 3710.  
 11-14; 18-23.  
 PRA5 5. Sao Paulo, Brz. (1295)  
 Radio Club de Sao Paulo,  
 Rua 7 de Abril Brisbane, Ausl.  
 Mon. to Fri. 830-0030;  
 Sat. 830-0130; Sun. 13-1530;  
 1830-24.  
 .15. Linz, Aust. (1294)  
 .5 Dornbirn, Aust. (1294)  
 4.2 Klagenfurt, Aust. (1294)  
 .2. Vorarlberg, Aus. (1294)

1300(230.6)

CPX 5. La Paz, Bol.  
 CW38 .03 Salto, Uru.  
 LT10 .1 Santa Fe, Arg.  
 Radio del Inst. Soc. de la Univ. Nac. del Litoral  
 OAAX4C .1 Lima, Peru, Estacion Radiodifusora DUSA,  
 Calle de Plumeros.  
 PRC4 .05 Ampara, Brz. (1304)  
 XGOE 1. Nanning, Chn.

XQHC .5 Shanghai, Chn.  
 YV5RMO .15 Maracaibo, Vnz.  
 2TM .05 Tamworth, Ausl.  
 Peel St. Mon. to Sat. 830-1030; 1330-1530;  
 17-18; 19-2330; Sun. 1330-1530; 1630-1830;  
 2030-2330.  
 .5 Danzig, Dan. (1303)

1310(228.9)

CE131 .1 Santiago, Chl. (1315)  
 Los Cuatro Ases, Roman Diaz 1972. 14-1530; 2130-23.  
 LST 3. Buenos Aires, Arg.  
 PRE9 .5 Fortaleza, Brz. (1315)  
 Ceara Radio Club  
 SBC 1.25 Malmo, Swe. (1312)  
 SCK .25 Karlstad, Swe. (1312)  
 SCO .25 Norrkoping, Swe. (1312)  
 SCQ .25 Trollhattan, Swe. (1312)  
 XLIJ .05 Wusih, Chn.  
 5AD .3 Adelaide, Ausl.  
 Weymouth St. Daily 9-0100

1320(227.1)

CW39 .1 Paysandu, Uru.  
 Miguel Penna. 1030-1230; 1730-2245  
 HAE2 1.25 Magyarovar, Hun. (1321)  
 HJ3ABK .05 Bogota, Col.  
 XLIA .015 Ningpo, Chn.  
 3BA .05 Ballarat, Ausl.  
 Armstrong and Dana Sts. Mon. to Fri. 9-1145; 1330-1530; 2030-24; Sat. 9-1145; 2030-0030; Sun. 1430-1630; 20-2330

1330(225.4)

CE133 .1 Osorno, Chl. (1335)  
 Radio Austrai Montevideo, Uru.  
 Radio Fenix, Chayos 4534; 8-24  
 HJ1ABA .1 Barranquilla, Cib., E. J. Pellet B., P. O. Box 751  
 PRE2 .5 R' de Janeiro, Brz.  
 Soc. Radio Cajuti, Rua Conde de Bomfim 457  
 PRG7 .25 Jahu, Brz. Radio Club Jahuense  
 XGSA .001 Kiangyin, Chn. (1335)  
 XLIK .075 Changchow, Chn.  
 2BH .1 Broken Hill, Ausl., 10 O'Connell St., Mon. to Sat. 9-11; 20-0030; Sun. 1230-15; 20-24  
 4RO .05 Rockhampton, Ausl. Mon., Tue., Thu., Fri., Sat. 1930-2330; Wed. 1930-2345; Sun. 2030-2330  
 .5 Montpelier, F. (1339)  
 .2. Bremen, G.  
 .2. Hanover, G.  
 .2. Madgeburg, G.

.2. Stettin, G.  
 .2. Flensburg, G.  
 .1.7 Lodz, Pol. (1339)

1340(223.7)

CE134 .15 Santiago, Chl. (1345)  
 Luis Desmaras Los Leones, Camelia 2860 (Bldg.)  
 CW40 .03 Paysandu, Uru.  
 LKR .15 Rjukan, Nor. (1348)  
 LT7 .04 Corrientes, Arg. Radio Provinciale Corrientas  
 XGED .015 Suchow, Chn.  
 XHHR .05 Shanghai, Chn.  
 2RN .5 Dublin, I. F. S. (1348)  
 2XN .05 Lismore, Aus. P. O. Box 138B. Mon. to Fri. 830-930; 1530-1630; 1930-2330; Sat. 830-930; 1930-2330  
 4ZR .004 Balclutha, N. Z. Renton & Clark. Clyde St. Tue. 1930-20; Thu. 19-20; Sun. 10-12; 1930-2130  
 No. 2 4. Milan, I. (1348)  
 .2. Ile de F., F. (1348)  
 .5. Salzburg, Aust. (1348)  
 .2. Konigsberg, G. (1348)  
 .1. Bordeaux, F. (1348)  
 .5. Cairo, Eg. (1348)

1350(222.4)

CE135 .1 San Antonio, Chl. (1355)  
 Puerto San Antonio Casa 12  
 LKN .15 Notodden, Nor. (1357)  
 LS6 3.5 Buenos Aires, Arg. Radio del Pueblo, Estados Unidos 1816  
 OA6E .03 Arequipa, Peru  
 3GL .05 Geelong, Ausl. National Mutual Bldg., Mon. 830-1045; 1430-1530; 19-24; Tue., Wed., Thu. 9-1045; 1430-1530; 19-24; Fri. 845-1045; 1430-1530; 19-24; Sat. 9-1045; 1930-0030; Sun. 2030-2335.

No. 2 .2 Turin, I. (1357)

1360(220.4)

CW41 .05 San Jose, Uru. Radio San Jose 10-14; 18-23.  
 OA4K .15 Lima, Peru  
 PRC5 .1 Belem, Brz. (1364)  
 PRD4 .25 Radio Club do Para Arraquarea, Brs. (1364)  
 Radio Cultura Araraquarea, Ave. Feijó 25  
 PRF9 .5 Porto Alegre, Brz. Empresa Radiodifusora  
 XQHD .2 Shanghai, Chn.  
 2MO .05 Gunnedah, Ausl. P. O. Box 78. Mon. to Sat. 830-1030; 1330-1530; 1930-2330; Sun. 930-1130; 1530-1730; 1930-2330

## FOREIGN B. C. STATIONS BY FREQUENCIES

4PM .1 Port Moresby, Ausl.  
No. 2 .1 Turin, I. (1366)

### 1370(218.8)

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

### 1380(217.3)

**CE138** .5 Santiago, Chl. (1385)  
 Radio Alviol, Gumer-  
 sindo 135 (bldg.)  
**CW42** .02 Artigas, Uru.  
**LU6** .05 Mar del Plata, Arg.  
 Radio Atlantica  
**PRF7** .5 Campos, Brz.  
**XLHE** .05 Shanghai, Chn.  
**XLHF** .05 Shanghai, Chn.  
**4BH** .6 Brisbane, Ausl. Par-  
 bury House, Eagle St.  
 Mon. to Fri. 830-1030;  
 1230-1430; 19-0030;  
 Sat. 830-1030; 19-0030;  
 Sun. 1330-1630; 20-  
 24.  
 No. 2 2. Warsaw, Pol. (1384)  
 .....150. Motala, Sw. (1389)  
 (testing)

### 1390(215.7)

**CE139** .1 Rancagua, Chl.  
 Jorge Romero, Ave.  
 O'Higgins 128. 1130-  
 1230; 18-20  
**LR11** 1. La Plata, Arg.  
 Radio Univ. Nac. de  
 La Plata  
**XLIN** .05 Wushih, Chn.  
**2GN** .1 Goulburn, Ausl.  
 Auburn St. Mon. to  
 Fri. 1345-1515; 1930-  
 24; Sat. 1330-1430;  
 1930-24; Sun. 2030-  
 2330  
**7BU** .. Burnie, Ausl.  
 .....5. Radio-Lyons, F.  
 (1393)

### 1400(214.2)

**CW43** .02 Melo, Uru.  
 Difusora Electra  
 (bldg.)  
**FFZ** .25 Shanghai, Chn.  
**OAGD** .15 Arequipa, Peru  
**PRD5** 1. R' de Janeiro, Brz.  
 Dpto. de Educacao da  
 Prof. Largo da Carlo-  
 ca 5  
**XLHO** .1 Shanghai, Chn.  
**2ZD** .1 Palmerston, N. Z.  
 J. V. Kyle, 50 Walde-  
 grave St. Tue. 1830-  
 22; Thu. 1830-21; Sun.  
 18-1230

Swedish Common Wave (1402)  
See SC in Index by Calls

### 1410(212.6)

**CE141** .1 Concepcion, Chl.  
 Radio Phillips, Cau-  
 polican 370.  
**CX44** .2 Montevideo, Uru.  
**SADREP**, Solis  
 Grande 912. 8-2  
**PRB5** .05 Franca, Brz. (1415)  
**Radio Club Hertz**  
**PRES** .25 Uberaba, Brz.  
 Radio Soc. Triangulo  
 Minero  
**2KO** .5 Newcastle, Ausl.  
 57 Hunter St. Mon.  
 to Fri. 830-1730; 1830-  
 24; Sat. 1130-0030;  
 Sun. 1030-1130; 1930-  
 2330  
 Portuguese Common Wave (1411)

### 1420(211.1)

**CE142** .1 Santiago, Chl. (1425)  
 S. Pitz y Cia (bldg.)  
**CW44** .1 Paysandu, Uru.  
 .....8 Paris, F. (1424)  
**Radio LL**  
**LS11** 1. Buenos Aires, Arg.  
**OFF** .7 Tampere, Fin.  
**XHHK** .1 Shanghai, Chn.  
**1Z5** .05 Auckland, N. Z.  
**3XY** .6 Melbourne, Ausl.  
 Princess Theatre.  
 Mon. to Sat. 8-1530;  
 1615-101; Sun. 1130-14;  
 16-24  
 .....1.5 Beziers, F. (1429)  
 .....5 Alexandria, Eg. (1429)  
 .....5 Turku, Fin. (1429)

### 1430(209.7)

**CE143** .1 Magallanes, Chl.  
 Santiago G. Aguilera  
 Valdivia 250  
**HAE3** 1.25 Miskolc, Hung. (1438)  
**LP9** 1.5 La Plata, Arg.  
**LS11** .7 La Plata, Arg.  
 Radio Prov. de Bs.  
 Aires  
**PRD7** .25 Sorocaba, Brz.  
 Radio Club Sorocaba  
 Minsk, U.S.R. (1438)  
**2WL** .05 Wollongong, Ausl.  
 Russell Yaldon, Wool-  
 longong Brdctg. Co.  
 "Ferranti Products".  
 Mon. to Fri. 12-1330;  
 20-2330; Sat. 20-2330;  
 Sun. 2030-2230  
**4GY** .05 Gympie, Ausl.

### 1440(208.2)

**CW45** .03 Durazno, Uru.  
**OAGU** .05 Arequipa, Peru (1443)  
**PRG4** .25 Jabotical, Brz. Radio  
 Club Jabotical (1442)  
**XLHQ** .03 Shanghai, Chn.  
**2QN** .. Denliquin, Ausl.  
**4IP** .05 Ipswich, Ausl.  
 Spanish Common Wave (1447)

### 1450(206.8)

**CE145** .1 Rancagua, Chl.  
 Guillermo Espinosa.  
 Brasil 1174. 16-17;  
 19-20; 22-23  
**CX46** 1.5 Montevideo, Uru.  
 Radio America, Cam-  
 ino Corrales 2808.  
 10-24  
**XLIB** .015 Suchow, Chn.  
**XOMO** .015 Peiping, Chn.  
**5MU** .1 Murray Bridge, Ausl.  
 Regional unit of 5AD.  
 Daily 9-24  
 .....5. Paris F. (1456) Eiffel  
 Tower

### 1460(205.4)

**CE146** .. Santiago, Chl.  
 Markoff Hnos.  
**CW46** .03 Tucuaembo, Uru.  
**HAE4** 1.25 Pecs, Hun. (1465)  
**ON4EB** .1 Antwerp, Belg. (1465)  
**XQHE** .25 Shanghai, Chn.  
**ZP5** .15 Asuncion, Par. (1465)  
**7UV** .3 Ulverstone, Ausl.  
 Mon. to Fri. 9-1030;  
 19-24; Sat. 9-1030;  
 1330-0030; Sun. 1330-  
 1530; 19-2330  
 .....1.5 Dresden, G. (1465)  
 .....1 Courtrai, Belg. (1465)  
 ..... Bega, Ausl.

### 1470(204)

**XGDZ** .001 Changchow, Chn.  
**2BE** .1 Bega, Ausl.  
**3ZM** .06 Christchurch, N. Z.  
 Green & Younger, 253  
 Brougham St. Mon.  
 to Thu. 730-10; 17-  
 18; 19-22; Fri. 730-10;  
 Sat. 730-10; 20-24;  
 Sun. 11-14; 17-18; 19-  
 22  
**4CA** .1 Cairns, Ausl.  
**2BE** .3 Plymouth, G. B.  
 (1474)  
 .....1. Bournemouth, G. B.  
 (1474)

### 1480(202.6)

**CW47** .1 Canelones, Uru.  
 Rafael J. Espiga, 11-  
 14; 16-23  
**PRH4** 1. Petropolis, Brz.  
**XQHF** .2 Shanghai, Chn.  
**2AY** .1 Albany, Ausl. John  
 Dower, 47 York St.,  
 (Sydney). Mon. to  
 Fri. 1345-1515; 19-24;  
 Sat. 14-1515; 19-0030  
**4BU** .1 Bundaberg, Ausl.

### 1490(201.2)

**CX48** 1.5 Montevideo, Uru.  
 Clulow y Abella (now  
 bldg.)  
**ON4CE** .1 Chatelineau, Belg.  
 (1492)  
**XLKS** .02 Kashing, Chn.  
 No. 1 .1 Wallonia, Belg. (1492)



## FOREIGN B. C. STATIONS BY FREQUENCIES

2TM .05 Tamworth, Austl.  
 .....1 Binche, Belg. (1492)  
 .....2 Nimes, F. (1492)  
 .....1 Courtrai, Belg.  
 Spanish Common Wave (1492)  
 See EAJ in Index by Calls

PRG6 .25 Cruzelro, Brz.  
 Soc. Radio Manti-  
 queira  
 VUP 2. Peshawar, India  
 XHHT .1 Shanghai, Chn.  
 XOCL .0075 Tsinan, Chn.  
 3AK .2 Melbourne, Austl.  
 116 Queen St. Mon.  
 630-830; Tue. to Fri.  
 0100-0330; 630-830;  
 Sat. 0100-0330; 630-  
 830; 1430-1530; Sun.  
 0100-430; 14-16; 2330-  
 0130  
 ..... Hobart, Ausl.

.....25 Pietersaari, Fin.  
 .....2 Radio Alcala, Sp.  
 Belgium has several 100 watt sta-  
 tions on 1500.

1510(198.6)

YDA .5 Tandjongpriok, Java

1530(196.0)

SCJ .2 Karlskrona, Swe.

1500(199.9)

HJ5ABE Cali, Colombia  
 Jose Calderon N. Cia.  
 Radiodifusora Co-  
 lombiana. S. A. Aptd.  
 50

## FOREIGN B. C. STATIONS BY LOCATIONS

### SOUTH AMERICA

#### ARGENTINA

Bahia Blanca  
 LU2 800 500  
 LU7 1280 200  
 Buenos Aires  
 LR1 1070 500  
 LR2 910 6000  
 LR3 950 12000  
 LR4 990 12000  
 LR5 830 16000  
 LR6 870 16000  
 LR7 750 1000  
 LR8 1150 5000  
 LR9 1030 5000  
 LR10 790 8000  
 LS1 710 5000  
 LS2 1190 25000  
 LS3 630 4500  
 LS4 670 6000  
 LS5 1110 4500  
 LS6 1350 3500  
 LS7 1310 3000  
 LS8 1230 20000  
 LS9 1270 5000  
 LS10 590 5000  
 Cordoba  
 LV2 880 7000  
 LV3 620 2000  
 Corrientes  
 LT7 1340 40  
 La Plata  
 LP9 1430 1500  
 LR11 1390 1000  
 LS11 1430 700  
 La Rioja  
 LV14 1240 200  
 Mar del Plata  
 LU6 1380 50  
 Mendoza  
 LT4 760 200  
 LV10 860 500  
 Parana  
 LT11 1260 250  
 Resistancia  
 LT5 1160 500  
 Rosario  
 LT1 780 5000  
 LT3 1080 3500  
 LT8 840 350  
 Salta  
 LV9 900 500  
 San Juan  
 LV1 730 1500

LV5 1120 700  
 Santa Fe  
 LT9 1060 200  
 LT10 1300 100  
 Tucuman  
 LV7 820 500  
 BOLIVIA  
 La Paz  
 CPX 1300 5000  
 CP4 1040 10000  
 BRAZIL  
 Arraraquara  
 PRD4 1364 250  
 Bahia  
 PRA4 840 500  
 Bauru  
 PYG8 1250 250  
 Bolem  
 PRC5 1360 100  
 Bello Horizonte  
 PRB7 1090 250  
 Campinas  
 PRC9 1175 250  
 Campos  
 PRF7 1380 500  
 Cruzelro  
 PRG6 1500 250  
 Curitiba  
 PRB2 882 250  
 Fortaleza  
 PRE9 1315 500  
 Franca  
 PRB5 1415 50  
 Jabotical  
 PRG4 1442 250  
 Juiz de Fora  
 PRB3 857 250  
 Nitheroy  
 PRD8 1132 1000  
 Pelotas  
 PRC3 920 250  
 Pernambuco  
 PRA8 750 3000  
 Petropolis  
 PRH4 1480 1000  
 Porto Alegre  
 PRC2 1090 3000  
 PRF9 1360 500  
 PRH2 600 25000  
 Rio Claro  
 PRF2 725 250  
 Rio de Janeiro  
 PRA2 750 1500  
 PRA3 860 2500  
 PRA9 1000 1000

PRB7 800 500  
 PRC6 980 1000  
 PRC8 1030 1000  
 PRD2 932 1000  
 PRD5 1400 1000  
 PRE2 1330 500  
 PRE3 1220 10000  
 PRE4 940 250  
 PRE8 1270 7000  
 PRF4 923 10000  
 PRF6 1050 10000  
 PRG3 1280 10000  
 Santos  
 PRB4 960 1000  
 PRG5 720 750  
 Sao Paulo  
 PRA5 1295 5000  
 PRA6 815 10000  
 PRA7 706 50  
 PRB6 1170 1000  
 PRB8 1000 50  
 PRB9 1017 5000  
 PRC4 1304 50  
 PRE7 788 5000  
 PRF3 900 5000  
 PRG9 1200 5000  
 PRH3 1120 10000  
 PYG2 1070 10000  
 Sorocaba  
 PRD7 1430 250  
 PRD9 769 250  
 Taubate  
 PRD3 1207 250  
 Uberaba  
 PRE5 1410 250  
 PRE6 740 1500

#### CHILE

Concepcion  
 CE108 1085 100  
 CE124 1245 100  
 CE141 1410 100  
 Curico  
 CE120 1205 100  
 Magallanes  
 CE104 1040 100  
 CE119 1190 100  
 CE143 1430 100  
 Osorno  
 CE111 1115 100  
 CE133 1335 100  
 Rancagua  
 CE139 1390 100  
 CE145 1450 100  
 San Antonio  
 CE135 1355 100  
 San Felipe  
 CE112 1120 100

Santiago  
 CE58 585 1000  
 CE62 625 1000  
 CE66 665 1000  
 CE70 705 1000  
 CE78 785 1000  
 CE82 825 1000  
 CE86 865 500  
 CE90 905 1000  
 CE94 945 1000  
 CE98 985 1000  
 CE100 1005 500  
 CE102 1025 100  
 CE106 1065 1000  
 CE110 1105 1000  
 CE114 1145 100  
 CE118 1185 1000  
 CE122 1225 1000  
 CE126 1265 1000  
 CE131 1315 100  
 CE134 1345 150  
 CE138 1385 500  
 CE142 1425 100  
 CE146 1460  
 Talcahuano  
 CE87 875 100  
 Talca  
 CE115 1155 100  
 Temuco  
 CE128 1285 500  
 Valdivia  
 CE103 1035 100  
 Valparaiso  
 CE76 765 10000  
 CE81 810 1000  
 CE88 885 1000  
 CE105 1050 1000  
 CE109 1090 105  
 CE117 1170 250  
 CE125 1250 1000  
 Vina del Mar  
 CE73 730 1000  
 CE101 1010 1000

#### COLOMBIA

Armenia  
 HJ4ABJ 1000 50  
 Barranquilla  
 HJ1ABA 1330 100  
 Bogota  
 HJN 681 500  
 HJ3ABD 1100 50  
 HJ3ABE 1200 1000  
 HJ3ABH 1005 2000  
 HJ3ABK 1320 50  
 Cartagena  
 HJ1ABM 1154 50

## FOREIGN B. C. STATIONS BY LOCATIONS

<table border="1" style="width: 100%; border-collapse: collapse;"> <tr><td colspan="3"><b>Medellin</b></td></tr> <tr><td>HJ4ABK 1230</td><td>300</td><td></td></tr> <tr><td colspan="3"><b>ECUADOR</b></td></tr> <tr><td colspan="3"><b>Guyaquil</b></td></tr> <tr><td>HC2ET 1153</td><td>300</td><td></td></tr> <tr><td>HC2JB 1250</td><td>30</td><td></td></tr> <tr><td colspan="3"><b>PARAGUAY</b></td></tr> <tr><td colspan="3"><b>Asuncion</b></td></tr> <tr><td>ZP1 1135</td><td>1000</td><td></td></tr> <tr><td>ZP3 1000</td><td>300</td><td></td></tr> <tr><td>ZP4 1275</td><td>150</td><td></td></tr> <tr><td>ZP5 1465</td><td>150</td><td></td></tr> <tr><td>ZP7 1083</td><td>700</td><td></td></tr> <tr><td>ZP9 898</td><td>1500</td><td></td></tr> <tr><td>Villarrica</td><td></td><td></td></tr> <tr><td>ZP15 700</td><td></td><td></td></tr> <tr><td colspan="3"><b>PERU</b></td></tr> <tr><td colspan="3"><b>Arequipa</b></td></tr> <tr><td>OA6D 1400</td><td>150</td><td></td></tr> <tr><td>OA6E 1350</td><td>30</td><td></td></tr> <tr><td>OA6U 1443</td><td>50</td><td></td></tr> <tr><td colspan="3"><b>Lima</b></td></tr> <tr><td>OAX4A 750</td><td>1500</td><td></td></tr> <tr><td>OAX4B 1200</td><td></td><td></td></tr> <tr><td>OAX4C 1300</td><td></td><td></td></tr> <tr><td>OAX4E 980</td><td>50</td><td></td></tr> <tr><td>OAX4F 1080</td><td>50</td><td></td></tr> <tr><td>OA4K 1360</td><td>150</td><td></td></tr> <tr><td>OA4O 1277</td><td>100</td><td></td></tr> <tr><td>OA4D 1210</td><td>25</td><td></td></tr> <tr><td colspan="3"><b>URUGUAY</b></td></tr> <tr><td colspan="3"><b>Artigas</b></td></tr> <tr><td>CW42 1380</td><td>20</td><td></td></tr> <tr><td colspan="3"><b>Canelones</b></td></tr> <tr><td>CW47 1480</td><td>100</td><td></td></tr> <tr><td colspan="3"><b>Colonia</b></td></tr> <tr><td>CW9 720</td><td>120</td><td></td></tr> <tr><td>CW37 1280</td><td>25</td><td></td></tr> <tr><td colspan="3"><b>Durazno</b></td></tr> <tr><td>CW25 1040</td><td>500</td><td></td></tr> <tr><td>CW45 1440</td><td>30</td><td></td></tr> <tr><td colspan="3"><b>Florida</b></td></tr> <tr><td>CW33 1200</td><td>75</td><td></td></tr> <tr><td colspan="3"><b>Melo</b></td></tr> <tr><td>CW43 1400</td><td>20</td><td></td></tr> <tr><td colspan="3"><b>Mercedes</b></td></tr> <tr><td>CW29 1120</td><td>50</td><td></td></tr> <tr><td colspan="3"><b>Montevideo</b></td></tr> <tr><td>CX2 570</td><td></td><td></td></tr> <tr><td>CX4 610</td><td>1000</td><td></td></tr> <tr><td>CX6 650</td><td>10000</td><td></td></tr> <tr><td>CX8 690</td><td>1000</td><td></td></tr> <tr><td>CX10 730</td><td>1000</td><td></td></tr> <tr><td>CX12 770</td><td>1000</td><td></td></tr> <tr><td>CX14 810</td><td>5000</td><td></td></tr> <tr><td>CX16 850</td><td>1000</td><td></td></tr> <tr><td>CX18 890</td><td>750</td><td></td></tr> <tr><td>CX20 930</td><td>2000</td><td></td></tr> <tr><td>CX22 970</td><td>250</td><td></td></tr> <tr><td>CX24 1010</td><td>10000</td><td></td></tr> <tr><td>CX26 1050</td><td>2000</td><td></td></tr> <tr><td>CX28 1090</td><td>3000</td><td></td></tr> <tr><td>CX30 1130</td><td>5000</td><td></td></tr> <tr><td>CX32 1170</td><td>500</td><td></td></tr> <tr><td>CX34 1210</td><td>500</td><td></td></tr> <tr><td>CX36 1250</td><td>250</td><td></td></tr> <tr><td>CX38 1290</td><td>500</td><td></td></tr> <tr><td>CX40 1330</td><td>500</td><td></td></tr> <tr><td>CX42 1370</td><td>1000</td><td></td></tr> <tr><td>CX44 1410</td><td>200</td><td></td></tr> <tr><td>CX46 1450</td><td>1500</td><td></td></tr> <tr><td>CX48 1490</td><td>1500</td><td></td></tr> </table>	<b>Medellin</b>			HJ4ABK 1230	300		<b>ECUADOR</b>			<b>Guyaquil</b>			HC2ET 1153	300		HC2JB 1250	30		<b>PARAGUAY</b>			<b>Asuncion</b>			ZP1 1135	1000		ZP3 1000	300		ZP4 1275	150		ZP5 1465	150		ZP7 1083	700		ZP9 898	1500		Villarrica			ZP15 700			<b>PERU</b>			<b>Arequipa</b>			OA6D 1400	150		OA6E 1350	30		OA6U 1443	50		<b>Lima</b>			OAX4A 750	1500		OAX4B 1200			OAX4C 1300			OAX4E 980	50		OAX4F 1080	50		OA4K 1360	150		OA4O 1277	100		OA4D 1210	25		<b>URUGUAY</b>			<b>Artigas</b>			CW42 1380	20		<b>Canelones</b>			CW47 1480	100		<b>Colonia</b>			CW9 720	120		CW37 1280	25		<b>Durazno</b>			CW25 1040	500		CW45 1440	30		<b>Florida</b>			CW33 1200	75		<b>Melo</b>			CW43 1400	20		<b>Mercedes</b>			CW29 1120	50		<b>Montevideo</b>			CX2 570			CX4 610	1000		CX6 650	10000		CX8 690	1000		CX10 730	1000		CX12 770	1000		CX14 810	5000		CX16 850	1000		CX18 890	750		CX20 930	2000		CX22 970	250		CX24 1010	10000		CX26 1050	2000		CX28 1090	3000		CX30 1130	5000		CX32 1170	500		CX34 1210	500		CX36 1250	250		CX38 1290	500		CX40 1330	500		CX42 1370	1000		CX44 1410	200		CX46 1450	1500		CX48 1490	1500		<table border="1" style="width: 100%; border-collapse: collapse;"> <tr><td colspan="3"><b>Paysandu</b></td></tr> <tr><td>CW35 1240</td><td>250</td><td></td></tr> <tr><td>CW39 1320</td><td>100</td><td></td></tr> <tr><td>CW40 1340</td><td>30</td><td></td></tr> <tr><td>CW44 1420</td><td>100</td><td></td></tr> <tr><td 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<tr><td>YV5RMO 1300</td><td>150</td><td></td></tr> <tr><td>YV7RMO 1153</td><td>500</td><td></td></tr> <tr><td>YV1RMO 1034</td><td></td><td></td></tr> <tr><td colspan="3"><b>Valencia</b></td></tr> <tr><td>YV6RV 670</td><td>350</td><td></td></tr> <tr><td colspan="3"><b>EUROPE</b></td></tr> <tr><td colspan="3"><b>AUSTRIA</b></td></tr> <tr><td colspan="3"><b>Dornbirn</b></td></tr> <tr><td>..... 1294</td><td>500</td><td></td></tr> <tr><td colspan="3"><b>Graz</b></td></tr> <tr><td>..... 886</td><td>7000</td><td></td></tr> <tr><td colspan="3"><b>Innsbruck</b></td></tr> <tr><td>..... 519</td><td>1000</td><td></td></tr> <tr><td colspan="3"><b>Klangentnu</b></td></tr> <tr><td>..... 1294</td><td>4200</td><td></td></tr> <tr><td colspan="3"><b>Linz</b></td></tr> <tr><td>..... 1294</td><td>15000</td><td></td></tr> <tr><td colspan="3"><b>Salzburg</b></td></tr> <tr><td>..... 1348</td><td>500</td><td></td></tr> <tr><td colspan="3"><b>Vienna</b></td></tr> <tr><td>..... 592</td><td>120000</td><td></td></tr> <tr><td colspan="3"><b>Vorarlberg</b></td></tr> <tr><td>..... 1294</td><td>2000</td><td></td></tr> <tr><td colspan="3"><b>BELGIUM</b></td></tr> <tr><td colspan="3"><b>Antwerp</b></td></tr> <tr><td>ON4EB 1465</td><td>100</td><td></td></tr> <tr><td colspan="3"><b>Binche</b></td></tr> <tr><td>..... 1492</td><td>100</td><td></td></tr> <tr><td colspan="3"><b>Brussels</b></td></tr> <tr><td>No. 1 620</td><td>15000</td><td></td></tr> <tr><td>No. 2 932</td><td>15000</td><td></td></tr> <tr><td colspan="3"><b>Chatelineau</b></td></tr> <tr><td>ON4CE 1492</td><td>100</td><td></td></tr> <tr><td colspan="3"><b>Courtrai</b></td></tr> <tr><td>..... 1465</td><td>100</td><td></td></tr> <tr><td colspan="3"><b>Liege</b></td></tr> <tr><td>ON4RW 1500</td><td>100</td><td></td></tr> <tr><td colspan="3"><b>Radio Comte</b></td></tr> <tr><td>..... 1500</td><td>100</td><td></td></tr> <tr><td colspan="3"><b>Seraing</b></td></tr> <tr><td>..... 1500</td><td>100</td><td></td></tr> 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695</td><td>7000</td><td></td></tr> <tr><td>LL 1348</td><td>2000</td><td></td></tr> <tr><td>LL 1424</td><td>800</td><td></td></tr> <tr><td>PP 959</td><td>60000</td><td></td></tr> <tr><td>Eiffel 1456</td><td>5000</td><td></td></tr> <tr><td colspan="3"><b>Radio-Normandie</b></td></tr> <tr><td>..... 1113</td><td>10000</td><td></td></tr> <tr><td colspan="3"><b>Rennes</b></td></tr> <tr><td>..... 1040</td><td>40000</td><td></td></tr> <tr><td colspan="3"><b>Strasbourg</b></td></tr> <tr><td>SPTT 859</td><td>35000</td><td></td></tr> <tr><td colspan="3"><b>Toulouse</b></td></tr> <tr><td>..... 776</td><td>2000</td><td></td></tr> <tr><td>..... 913</td><td>60000</td><td></td></tr> <tr><td colspan="3"><b>GERMANY</b></td></tr> <tr><td colspan="3"><b>Berlin</b></td></tr> <tr><td>..... 841</td><td>100000</td><td></td></tr> <tr><td colspan="3"><b>Bremen</b></td></tr> <tr><td>..... 1330</td><td>2000</td><td></td></tr> <tr><td colspan="3"><b>Breslau</b></td></tr> <tr><td>..... 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## FOREIGN B. C. STATIONS BY LOCATIONS

<b>London</b>			<b>Bodo</b>			<b>SWEDEN</b>			<b>Kiev</b>		
LN	1149	2000	LKD	686	500	Falun			RW9	722	36000
LR	877	50000	Fredrikstad			SCC	1086	2000	Krasnodar		
<b>Manchester</b>			LKF	776	700	Goteborg			RW33	1050	1000
NN	1149	20000	Hamar			SBB	941	10000	Koubiychew		
NR	668	50000	LKH	519	700	SBH	1131	10000	RW16	710	10000
<b>Newcastle</b>			Kristiansand			SBH	1131	10000	Leningrad		
.....	1122	1000	LKK	1276	500	SCJ	1530	200	RW70	1040	10000
<b>Plymouth</b>			Narvik			Kariskrona			Magnitogorsk		
.....	1474	300	.....	1222	300	SCJ	1530	200	.....	571	10000
<b>HOLLAND</b>			Notodden			Karlstad			Makhatch		
<b>Hilversum</b>			LKN	1357	150	SCK	1312	250	RW27	689	4000
PFBI	995	60000	Porsgrund			Malmö			Minsk		
<b>HUNGARY</b>			LKP	850	700	SBC	1312	1250	RW10	1438	100000
<b>Budapest</b>			Rjukan			Motala			Moscow		
HAL	546	120000	LKR	1348	150	.....	1389	15000	RW39	832	100000
HAE-2	1321	1250	Stavanger			Norrköping			Mourmansk		
Miskolc			LKS	1276	500	SCO	1312	250	RW79	610	10000
HAE-3	1438	1250	Tromsø			Stockholm			Naltchik		
HAE	1122	6200	LKM	1186	100	SBA	704	55000	RW51	794	1000
Pecs			Trondelag			Sundsvall			Odessa		
HAE-4	1465	1250	LKT	629	20000	SBD	601	10000	RW13	968	10000
<b>IRISH FREE STATE</b>			<b>POLAND</b>			Trollhattan			RW69	968	10000
<b>Athlone</b>			Cracow			Swedish Common			RW22	617	10000
.....	565	60000	.....	1022	2000	Wave 1402. See Index			Oukhta		
Cork			Katowice			by Calls.			RW67	968	2000
6CK	1240	1000	.....	758	12000	<b>SWITZERLAND</b>			Oust-Abakansk		
Dublin			Lodz			Basle			RW50	617	2500
2RN	1348	500	.....	1339	1700	.....	1375	500	RW84	635	1200
<b>ITALY</b>			Lwow			Berne			Penza		
<b>Bari</b>			.....	795	16000	.....	1375	500	RW56	640	1200
11BA	1059	20000	Poznan			Beremunster			Petropavlovsk		
Bolzano			.....	868	16000	.....	556	100000	RW71	689	1200
11BZ	536	1000	Torun			Monte Ceneri			Petrozavodsk		
Firenze			.....	986	24000	.....	1167	15000	RW29	648	10000
11FI	610	20000	Warsaw			Sottens			Pratigorsk		
Genoa			No. 2	1384	2000	.....	677	25000	RW18	610	1000
11GE	986	10000	Wilno			<b>U. S. S. R.</b>			Saransk		
Milan			.....	536	16000	Alexandrovsk			RW65	734	1000
11MI	814	50000	<b>PORTUGAL</b>			RW38	662	2000	Simferopol		
No. 2	1348	4000	Lisbon			Archangel			RW73	859	10000
Naples			CT1AA	629	20000	RW36	586	10000	Stalingrad		
11NA	1104	1500	Paredo			Astrakhan			RW34	522	10000
Palermo			CT1GL	1031	5000	RW35	598	10000	Stalino		
11PA	565	4000	<b>ROUMANIA</b>			Dnepropetrovsk			RW26	776	10000
Rome			Bucharest			RW30	913	10000	Syktyvkar		
11RO	713	50000	.....	823	12000	Eiista			RW41	563	1200
No. 3	1258	1000	<b>SPAIN</b>			RW48	704	2500	Tcheboksary		
Trieste			Alcala			Engels			RW74	680	1200
11TR	1222	10000	.....	1500	200	RW55	932	1000	Tcheliabinsk		
Turin			Barcelona			Frounze			RW68	824	1500
11TO	1140	7000	EAJ1	795	7500	RW82	608	2500	Tchernigov		
No. 2	1357	200	EAJ15	1022	3000	Gomel			RW86	1013	5000
<b>LATVIA</b>			Madrid			RW40	959	1000	Tchita		
<b>Kuldiga</b>			EAJ2	731	3000	RW54	959	1000	RW52	546	20000
.....	1258	10000	EAJ7	1095	10000	Gorki			Tiraspol		
Madona			Oviedo			RW42	565	10000	Vinnitza		
.....	1104	50000	EAJ19	1022	700	Groznyl			RW75	1095	10000
Riga			San Sebastian			RW23	676	1000	Urdjonikidze		
YLZ	583	15000	EAJ8	1258	1000	Igarka			RW64	752	10000
<b>NORWAY</b>			Seville			RW85	871	2000	Vladivostok		
<b>Aalesund</b>			EAJ5	731	5500	Ijevsk			RW28	635	300
LKA	850	350	Valencia			RW78	767	3000	RW32	635	10000
Bergen			EAJ3	850	3000	Iochar-Ola			<b>YUGOSLAVIA</b>		
LKB	850	1000	Spain has many stations of 100 watts or less on 1492 and 1500 kcs. For complete list see Index by Calls.			RW61	888	1000	Belgrade		
						Ivanovo			.....	686	2500
						RW31	625	10000	Ljubijana		
						Karaganda			.....	527	5000
						RW46	686.5	1200	Zagreb		
						Kazan			.....	1086	700
						RW17	686	10000	<b>ASIA</b>		
						Kharkov			<b>CEYLON</b>		
						RW20	1185	10000	Colombo		
									VPB	705	1750

**FOREIGN B. C. STATIONS BY LOCATIONS**

CHINA				Tainan		JAVA							
Canton		XIHT	1500	100	JFBK	720	1000	Tandjongprik					
XGOK	750	XIHU	1160	100				YDA8	1510	500			
XKRI	1071	XHHV	880	100	<b>INDIA</b>			<b>KOREA</b>					
Chang-Chow		XHHX	920	1000	Bombay	VUB	855	3000	Fuzan				
XGDZ	1470	XHHZ	1180	150	Calcutta	VUC	810	3000	JBAK	1020	500		
XLIX	1330	XLHB	560	45	Delhi	VUG	933	1000	JODK-1	900	10000		
Chang-sha		XLHC	720	50	Lahore	VUL	1200	100	JODK-2	610	10000		
XGOH	570	XLHD	720	50	Madras	VUM	770	200	<b>MANCHUOKUO</b>				
XGTM	840	XLHE	1380	50	<b>INDO-CHINA</b>			Dairen					
Chuching		XLHF	1380	50	Salgon	F31CD	840	12000	JOAK	652	500		
XGCK	990	XLHG	760	7.5	<b>JAPAN</b>			Harbin	MTFY	675	3000		
Chunking		XLHI	760	7.5	Akita	JOJK	645	300	Hsinking	MTCY	560	100000	
XGOS	711	XLHJ	760	15	Fukuoka	JOJG	990	300	Mukden	MTBY	890	1000	
Foo-chow		XLHK	800	7.5	Hakodate	JOJK	680	500	<b>PHILIPPINES</b>				
XGOF	1030	XLHL	800	100	Hamamatsu	JODG	635	500	Manila	KZEG	780	1600	
Hangchow		XLHM	1120	50	Hiroshima	JOJF	990	300	KZIB	900	1600		
XGOD	990	XLHN	1120	200	Kanazawa	JOJK	710	3000	KZRM	618.5	50000		
XHHA	1370	XLHO	1400	100	Kochi	JORK	720	500	<b>SIAM</b>				
.....	850	XLHQ	1440	30	Kokura	JOSK	735	1000	Bangkok	HSP-1	856	2500	
.....	1230	XMHA	600	600	Kumamoto	JOJK	790	10000	HS7PJ	750	10000		
Hangkow		XMHB	980	500	Kyoto	JOJK	960	300	.....	1200	.....		
XGOW	1010	XMHC	700	500	Maebashi	JOJG	970	500	<b>AFRICA</b>				
Hanin		XOHA	580	250	Matsuye	JOTK	625	500	<b>ALGERIA</b>				
XLIM	910	XOHB	850	100	Nagano	JONK	940	500	Algiers	.....	941	12000	
Honan-fu		XOHD	1360	200	Nagasaki	JOAG	930	500	<b>EGYPT</b>				
XGOX	1070	XOHE	1460	250	Nagoya	JOCK-1	810	10000	Alexandria	.....	1122	250	
Hongkong		XOHF	1480	200	JOCK-2	1175	10000	.....	1429	500			
ZBW	845	.....	640	1000	Osaka	JOBK-1	750	10000	Cairo	.....	620	20000	
ZFK	620	Shuhing	1090	.....	JOBK-2	1085	10000	.....	1348	500			
Kiangyin		Siangyang	1250	35	Okayama	JOJK	700	500	<b>KENYA</b>				
XGSA	1335	Suchow	.....	.....	Osaka	JOBK-1	750	10000	Nairobi	VQ7LO	858	600	
Kashing		XLIB	1450	15	Sapporo	JOJK	830	10000	<b>MOROCCO</b>				
XGKA	895	XLIL	870	20	Sendai	JOHK	770	10000	Casablanca	CNO	983	25	
XGML	714.3	.....	1110	10	Shizuoka	JOPK	780	500	Rabat	CNR	601	25000	
XLKS	1490	Taiyuan	1000	50	Tokushima	JOJK	980	500	<b>SOUTH RHODESIA</b>				
Kongsu		Tengchow	XGGW	1150	50	Tokyo	JOAK-1	870	10000	Salisbury	.....	681.8	1500
XGOZ	1150	XTGM	900	100	JOAK-2	590	10000	<b>TUNISIA</b>					
Loyang		Tientsin	XLKB	825	55								
XGOB	1090	.....	XHKA	1050	100								
Nan-chang		.....	.....	750	150								
XGOC	1130	.....	.....	1280	100								
Nanking		Tsanchow	XKYY	1150	15								
XGOA	660	Tsinan	XGF	833	7.5								
XGON	900	XGOF	XOCL	1500	7.5								
Nanning		Tsunshi	XGSS	610	15								
XGOE	1300	T'ung Hsien	LUHO	750	20								
Ningpo		Wuchow	XHGS	730	50								
XLIA	1320	Wu-hu	XIDYF	1270	15								
Peiping		XGWH	830	30									
XGOP	950	Wusih	XHIB	970	75								
XGOT	1220	XLIE	1250	50									
XLKA	1194	XLIF	1170	30									
XOMO	1450	XLIJ	1310	50									
.....	810	XLIN	1390	50									
Pinghu		XLTC	1210	15									
XLPH	1210	XLWU	1250	50									
Poatung		Yunan-fu	XGOY	698	250								
XGMK	1005	<b>FORMOSA</b>											
Shanghai		Taichu	JFKC	580	1000								
FFZ	1400	Taihoku	JFAK	670	10000								
XHHA	840												
XHHB	740												
XHHC	780												
XHHD	860												
XHHE	940												
XHHF	960												
XHHG	1020												
XHHH	1040												
XHHI	1060												
XHHJ	1080												
XHHK	1420												
XHHL	1140												
XHHN	1200												
XHHP	1260												
XHHQ	1280												
XHHR	1340												
XHHS	1100												



## FOREIGN B. C. STATIONS BY CALLS

EAJ33	1492	JOUK	645	OFD	749	RW31	625	XGKA	895	XMHA	600	ZZO	1400
EAJ34	1492	JOVK	680	OFF	1420	RW32	635	XGKM	1005	XMHB	980	ZZP	900
EAJ35	1500	JOXK	980	OFH	527	RW33	1050	XGML	714.3	XMHC	700	ZZR	920
EAJ36	1500	JOAK	652	OKB	922	RW34	522	XGOA	660	XOCL	1500	3AK	1500
EAJ37	1500	KZEG	780	OKK	1113	RW35	598	XGOB	1090	XOMO	1450	3AR	630
EAJ38	1500	KZIB	900	OKP	633	RW36	586	XGOC	1130	XQHA	580	3AW	1280
EAJ39	1492	KZRM	618.5	OKR	1004	RW38	662	XGOD	990	XQHB	850	3BA	1320
EAJ40	1500	LKA	850	ON4CE	1492	RW39	832	XGOE	1300	XQHC	1300	3BO	970
EAJ41	1492	LKB	850	ON4DE	1500	RW40	959	XGOF	852	XQHD	1360	3BD	1030
EAJ42	1492	LKD	686	ON4EB	1492	RW41	563	XGOF	1030	XQHE	1460	3GI	830
EAJ43	1492	LKF	776	ON4RW	1500	RW42	565	XGOH	570	XQHF	1480	3GL	1350
EAJ44	1492	LKH	519	PFB1	995	RW46	653	XGOK	750	XTGM	900	3HA	1010
EAJ45	1500	LKI	845	PP	959	RW46	686.5	XGON	900	YDA8	1510	3HS	1370
EAJ46	1492	LKK	1276	PRA2	750	RW48	704	XGOP	950	YLZ	583	3KZ	1180
EAJ47	1492	LKM	1186	PRA3	860	RW50	617	XGOS	711	YN	648	3LO	770
EAJ48	1492	LKN	1357	PRA4	840	RW51	794	XGOT	1000	YNCRG	870	3MA	900
EAJ49	1500	LKO	1181	PRA5	1295	RW52	546	XGOT	1220	YNOP	1230	3SH	1080
EAJ51	1492	LKP	850	PRA6	815	RW54	959	XGOW	1010	YVIRC	960	3TR	1240
EAJ52	1492	LKR	1348	PRA7	706	RW55	932	XGOX	1070	YV3RC	1200	3UZ	930
EAJ53	1492	LKS	1276	PRA8	750	RW56	640	XGOY	698	YV4RC	750	3WR	1260
EAJ55	1492	LKT	629	PRA9	1000	RW57	1068	XGOZ	1150	YV5RMO	1300	3WV	580
FFZ	1400	LP9	1430	PRB2	882	RW61	888	XGSA	1335	YV7RMO	1153	3XY	1420
F31CD	810	LR1	1070	PRB3	857	RW64	752	XGSS	610	YV11RMO	1034	3YA	720
HAE	1122	LR2	910	PRB4	960	RW65	734	XGTM	840	YV6RV	670	3YB	1060
HAE2	1321	LR3	950	PRB5	1415	RW67	968	XGWH	830	ZBW	845	3YL	1200
HAE3	1438	LR4	990	PRB6	1170	RW68	824	XHGS	730	ZEK	620	3ZM	1470
HAE4	1465	LR5	830	PRB7	800	RW69	968	XHHA	840	ZP1	1135	3ZP	940
HAL	546	LR6	870	PRB8	1000	RW70	1040	XHHA	1370	ZP4	1275	4AK	1220
HC2ET	1153	LR7	750	PRB9	1017	RW71	689	XHBB	740	ZP5	1465	4AY	980
HC2JB	1250	LR8	1150	PRC2	1090	RW73	859	XHHC	780	ZP9	898	4BC	1120
HJN	681	LR9	1030	PRC3	920	RW74	680	XHHH	860	ZTB	790	4BH	1380
HJ1ABA	1330	LR10	790	PRC4	1304	RW75	1095	XHHE	940	ZTC	600	4BK	1290
HJ1ABM	1154	LR11	1390	PRC5	1364	RW78	767	XHHF	960	ZTD	750	4BU	1480
HJ3ABD	1100	LS1	710	PRC6	980	RW79	610	XHHG	1020	ZTJ	645	4CA	1470
HJ3ABE	1200	LS2	1190	PRC7	1090	RW82	608	XHHH	1040	ZTP	952	4CR	1000
HJ3ABH	1005	LS3	630	PRC8	1030	RW84	635	XHHI	1060	ZUG	560	4CY	1430
HJ4ABJ	1000	LS4	670	PRC9	1175	RW85	871	XHHJ	1080	1YA	650	4IP	1440
HJ4ABK	1230	LS5	1110	PRD2	932	RW86	1013	XHHK	1420	1YX	880	4MB	1060
HSP1	856	LS6	1350	PRD3	1207	SBA	704	XHHL	1140	1YZ	1090	4MK	1160
HSP7J	750	LS7	1310	PRD4	1364	SBB	941	XHHN	1200	1ZM	1260	4PM	1360
IBA	1059	LS8	1230	PRD5	1400	SBC	1312	XHHP	1260	2AD	1080	4QG	800
IBZ	536	LS9	1270	PRD7	1430	SBD	601	XHHQ	1280	2AY	1480	4QN	600
IFI	610	LS10	590	PRD8	1132	SBH	1131	XHHR	1340	2BE	1470	4RK	910
IGE	986	LS11	1430	PRD9	769	SCA	1402	XHHS	1100	2BH	1330	4RO	1330
IMI	814	LT1	780	PRE2	1330	SCB	1402	XHHT	1500	2BL	740	4TO	1170
IINA	1104	LT3	1080	PRE3	1220	SCC	1086	XHHU	1160	2CA	1050	4WK	900
IIPA	565	LT4	760	PRE4	941	SCD	1402	XHHV	880	2CH	1190	4YA	790
IIRO	713	LT5	1160	PRE5	1410	SCE	1402	XHHX	920	2CO	670	4YO	1140
IITO	1140	LT7	1340	PRE6	740	SCF	1402	XHHY	1240	2CR	550	4ZB	1010
IITR	1222	LT8	840	PRE7	788	SCG	1402	XHHZ	1180	2FC	610	4ZC	1280
JBAK	1020	LT9	1060	PRE8	1270	SCH	1402	XHHB	970	2GB	870	4ZL	1220
JFAK	670	LT10	1300	PRE9	1315	SCI	1402	XHKA	1050	2GF	1210	4ZM	1010
JFBK	720	LT11	1260	PRF2	725	SCJ	1530	XKRI	1071.4	2GN	1390	4ZO	1010
JFCK	580	LUHO	750	PRF3	900	SCK	1312	XKYY	1150	2GZ	990	4ZP	620
JOAG	930	LU2	800	PRF4	923	SCL	1402	XLHB	560	2HD	1140	4ZD	1340
JOAK-1	870	LU6	1380	PRF6	1050	SCM	1402	XLHC	720	2KA	1160	5AD	1310
JOAK-2	590	LU7	1280	PRF7	1380	SCN	1402	XLHD	720	2KB	1070	5CK	640
JOBK	970	LV1	730	PRF9	1360	SCO	1312	XLHE	1380	2KO	1410	5CL	730
JOBG-1	750	LV2	880	PRG3	1280	SCP	1402	XLHF	1380	2KY	1020	5DN	960
JOBK-2	1085	LV3	620	PRG4	1442	SCQ	1312	XLHI	760	2LV	980	5KA	1200
JOCC	655	LV5	1120	PRG5	720	SCR	1402	XLHJ	700	2MO	1360	5MU	1450
JOCK-1	810	LV7	820	PRG6	1500	SCS	1402	XLHK	800	2NC	1230	5PI	1040
JOCK-2	1175	LV9	900	PRG7	1330	SCU	1402	XLHL	800	2NR	700	5RM	850
JODC	635	LV10	860	PRG9	1200	SCU	1240	XLHM	1120	2NZ	1170	6AM	980
JODK-1	900	LV14	1240	PRH3	1120	SCV	1402	XLHN	1120	2QN	1440	6BY	1160
JODK-2	610	MABS	1250	PYG2	1070	SCW	1402	XLHO	1400	2SM	1270	6CK	1240
JOFG	990	MTBY	890	PYG8	1250	SPTT	859	XLHQ	1440	2TM	1300	6GF	720
JOFK	850	MTFY	560	RW9	722	TUA	1275	XLIA	1320	2UE	950	6IX	1240
JOCK	790	MTFC	675	RW10	1438	VPB	705	XLIB	1450	2UW	1110	6KG	1210
JOIK	770	OAX4A	750	RW16	710	VQ7LO	858	XLIE	1250	2WG	1150	6PL	1130
JOJK	830	OAX4B	1200	RW18	610	VUB	855	XLIF	1170	2WL	1430	6MR	880
JOJK	710	OAX4C	1300	RW17	686	VUC	810	XLIJ	1310	2XN	1340	6WA	560
JOJK	700	OAX4E	980	RW20	1185	VUG	933	XLIK	1330	2YA	570	6WF	690
JOLK	680	OAX4F	1080	RW22	617	VUL	1200	XLIL	870	2YB	760	7BU	1390
JOJK	940	O44AR	1210	RW23	676	VUM	770	XLIM	910	2YC	840	7HO	820
JOOK	960	O4AK	1360	RW26	776	VUP	1500	XLIN	1390	2ZD	1170	7IA	1100
JOJK	780	O4A0	1277	RW27	689	XDYF	1270	XLKA	1194	2ZF	960	7LA	1100
JOJK	920	O4G6	1400	RW28	635	XGCK	990	XLKB	825	2ZH	820	7NT	750
JOJK	720	O4G6	1350	RW28	725	XGDZ	1470	XLKS	1490	2ZJ	980	7OV	1460
JOJK	735	O4G6	1443	RW29	648	XGF	833	XLPH	1210	2ZL	1240	7ZL	550
JOJK	625	O4A	895	RW30	913	XGGW	1150	XLTC	1210	2ZM	1150	7ZL	550

530 kilocycles (565.7)

CJKL ak 1000 Kirkland Lake, Ont. E—.....

540 kilocycles (555.2)

CJRM ak 1000 F Moose Jaw, Sask. M—7:30-23:00\*

550 kilocycles (545.1)

CENB ak 500	F (1)	Fredericton, N. B.	A—8:10-10:30*
KFUO ae 500	2 (1)	St. Louis, Mo.	C—7-8; 9:30-9:45; 12:15-12:45; 3-3:45*
KFYR ak 1000	N (5)	Bismarck, N. D.	C—7:00-24:00*
KOAC ak 1000		Corvallis, Ore.	P—9:00-21:00*
KSD ak 1000	2R	St. Louis, Mo.	C—8-9:15; 9:30-12:15; 12:45-15; 15:45-21; 22-1*
KTSA ak 1000	G (5)	San Antonio, Texas	C—6:30-24*
WDEV ae 500	D	Waterbury, Vt.	E—7:00-17:00*
WGR ck 1000	C	Buffalo, N. Y.	E—7:00-1:00*
WKRC ak 1000	C	Cincinnati, Ohio	E—7:00-1:00*
WSVA ak 500	D	Harrisonburg, Va.	E—7:00-ss*

560 kilocycles (535.4)

KFDM ak 500	(1)	Beaumont, Texas	C—7:15-14:00; 16:00-22:00*
KLZ ae 1000	G	Denver, Colo.	M—6:30-24:00*
KSFO ak 1009		San Francisco, Calif.	P—7:30-1:00*
KWTO ak 5000	D	Springfield, Mo.	C—6:00-17:45*
WFIL ak 1000	B	Philadelphia, Pa.	E—7:00-1:00*
WIND ak 1000	(5)	Gary, Ind.	C—7:00-24:00*
WNOX ak 1000	G (2)	Knoxville, Tenn.	C—6:45-23:30*
WQAM ae 1000	G	Miami, Fla.	E—7:00-24:00*
XEAO ak 250	(.15)	Mexicali, L. C.	P—8:00-22:00*
XEFC ak 100		Merida, Yuc.	C—.....

570 kilocycles (526.0)

KGKO ak 250	G (1)	Wichita Falls, Tex.	C—7:30-23:30*
KMTR ak 1000		Hollywood, Calif.	P—6:45-23:30*
KVI ak 1000	C	Tacoma, Wash.	P—6:00-24:00*
WKBN ae 500	1G	Youngstown, Ohio	E—7:30-9; 11-13; 15-20*
WMCA ak 500		New York, N. Y.	E—7:00-1:00
WNAX ak 1000	G (5)	Yankton, S. D.	C—6:00-24:00*
WOSU ak 750	1 (1)	Columbus, Ohio	E—9-11; 13-16
WSYR ak 250	BX	Syracuse, N. Y.	E—7:00-1:00*
WWNC ak 1000	N	Asheville, N. C.	E—7:30-1:00*

580 kilocycles (516.9)

CFPR z 50		Prince Rupert, B. C.	P—.....
CHRC ak 100	F	Quebec, Que.	E—8:30-14:00; 16:30-23:00*
CKCL ae 100	F	Toronto, Ont.	E—8:00-23:30*
CKUA ak 500		Edmonton, Alta.	M—13:00-15:15; 19-21*
KMJ ak 1000	C	Fresno, Calif.	P—7:00-24*
KSAC ak 500	2 (1)	Manhattan, Kans.	C—9:30-10:30; 12:30-14; 16:30-17:30
WCHS ak 500	(1)	Charleston, W. Va.	E—7:00-23:00*
WDBO ae 1000	C	Orlando, Fla.	E—7:00-24:00*
WIBW ak 1000	G (5)	Topeka, Kans.	C—5:30-9:30; 10:30-12:30; 14-16:30; 17:30-24*
WTAG ae 500	R	Worcester, Mass.	E—7:45-1:00*

590 kilocycles (508.2)

KHO ak 1000	N (2.5)	Spokane, Wash.	P—6:45-24:00*
WEEL ak 1000	R	Boston, Mass.	E—7:00-1:00*
WKZO ae 1000	D	Kalamazoo, Mich.	E—7:00-18:00*
WOW ae 1000	R (5)	Omaha, Neb.	C—6:30-00:30*
XEPN ak 50000		PiedrasNegras, Coah.	C—5:00-8:00; 18:00-24:00*

600 kilocycles (499.7)

CFCF ae 400	FN	Montreal, Que.	E—8:00-24:00*
CJOR ak 500		Vancouver, B. C.	P—7:30-23:15*
CMW ak 1000		Havana, Cuba	E—.....
CRWC z 500	F (1)	Windsor, Ont.	E—4:30-23:30
FON z 250	609	St. Pierre, Miquelon	P—.....
KFSD ae 1000	N	San Diego, Calif.	P—7:00-24:00*
WCAC ak 500	2	Storrs, Conn.	E—.....

*Monday to Friday Time on the Air, B. C. Stations of N. A.*

WCAO	ae	500	C (1)	Baltimore, Md.	E—7:00-24:00*
WICC	ae	500	2 C (1)	Bridgeport, Conn.	E—.....
WMT	ak	1000	B (2.5)	Cedar Rapids, Iowa	C—6:00-24:00*
WREC	ak	1000	C (2.5)	Memphis, Tenn.	C—7:00-24:00*

**610 kilocycles (491.5)**

KFRC	ck	1000	C (5)	San Francisco, Calif.	P—6:00-24:00*
WDAF	ak	1000	R (5)	Kansas City, Mo.	C—6:30-24:00*
WIP	ae	1000	....	Philadelphia, Pa.	E—7:00-17:00*
WJAY	ae	500	D	Cleveland, Ohio	E—6:00-17:15*
XFX	ak	1000	....	Mexico City, D. F.	C—.....

**620 kilocycles (483.6)**

KGW	ak	1000	N (5)	Portland, Ore.	P—7:00-24:00*
KTAR	ae	1000	N	Phoenix, Ariz.	M—7:00-23:15*
WFLA	ae	1000	Na (5)	Clearwater, Fla.	E—7:00-24:00*
WHJB	ak	250	D	Greensburg, Pa.	E—7:00-17:00*
WLBZ	ak	500	C (1)	Bangor, Maine	E—8:00-24:00*
WSUN	ae	1000	Na (5)	St. Petersburg, Fla.	E—7:30-1:00 T & Th
WTMJ	ae	1000	N (5.)	Milwaukee, Wis.	C—6:45-00:30*

**630 kilocycles (475.9)**

CFCO	ak	100	F	Chatham, Ont.	E—7:30-9:00; 11:00-13:30; 17:00-23:00*
CFCY	ae	1000	F	Char't'wn, P.E.I.	A—11:45-13:30; 17:30-23:30*
CJGX	ae	500	F	Yorkton, Sask.	C—8:00-14:00; 17:30-22:00
CKOV	ak	100	F	Kelowna, B. C.	P—8:00-22:30*
KFRU	ak	500	I (1)	Columbia, Mo.	C—6-9, 16-ss; 19-20
KGFX	ak	200	D	Pierre, S. D.	C—9:30-11:00; 12:00-17:15*
WGFB	ak	500	I	Evansville, Ind.	C—7:00-19:30; 20:00-24:00
WMAL	ak	250	B (5)	Washington, D. C.	E—7:00-1:00*
WOS	ak	500	1D	Jefferson City, Mo.	C—9:00-16:00
WPRO	ak	250	....	Providence, R. I.	E—7:30-24:00*
XEZ	z	500	....	Merida, Yuc.	C—.....

**640 kilocycles (468.5)**

CMBY	z	150	....	Havana, Cuba	E—.....
KFI	ah	50000	N	Los Angeles, Calif.	P—6:45-24:00*
WAIU	ae	500	....	Columbus, Ohio	E—6:15-17:30*
WOI	ae	5000	D	Ames, Iowa	C—6:45-ss
XEOX	ak	500	....	Saltillo, Coah.	C—10:00-14:00; 19:00-22:00

**650 kilocycles (461.3)**

RDN	z	500	....	San Salvador, E. S.	L—.....
WSM	ae	50000	N	Nashville, Tenn.	C—6:30-24:00*

**660 kilocycles (454.3)**

CMCX	z	150	....	Havana, Cuba	E—.....
WAAW	ak	500	D	Omaha, Neb.	C—6:00-17:45*
WEAF	ak	50000	R	New York, N. Y.	E—6:45-1:00*

**670 kilocycles (447.5)**

WMAQ	ak	50000	N	Chicago, Ill.	C—7:00-1:00*
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**680 kilocycles (440.9)**

CMCQ	z	250	....	Havana, Cuba	E—.....
KFEQ	ak	2500	D	St. Joseph, Mo.	C—6:00-17:00*
KPO	ak	50000	N	San Francisco, Calif.	P—7:00-24:00*
VAS	akn	2000	685	Glace Bay, N. S.	A—23:00-23:10; 00:00-00:10*
YOWR	ck	500	681	St. John's Nfld.	L—11:00-18:30*
WPTF	ae	5000	DnN	Raleigh, N. C.	E—7:00-23:00*

**690 kilocycles (434.5)**

CFRB	ak	10000	C	Toronto, Ont.	E—8:00-24:00*
CJ CJ	aj	100	F	Calgary, Alta.	M—7:30-16:30; 20:00-23:00*
NAA	akn	1000	....	Arlington, Va.	E—10:10-10:15; 11:55-12:00; 15:45-15:50; 21 55-22:05*
XET	ak	500	....	Monterrey, N. L.	C—12:00-21:00*



700 kilocycles (428.3)

WLW ak 50000 N Cincinnati, Ohio E-6:30-2:00\*

710 kilocycles (422.3)

KIRO ae 500 .... Seattle, Wash. P-5:30-ss; 22:00-4:00\*  
 KMPC ak 500 .... Beverly Hills, Calif. P-6:00-18:00; 21:00-1:00\*  
 WOR ak 50000 .... Newark, N. J. E-6:45-00:30\*  
 XEN ak 1000 .... Mexico City, D. F. C-9:00-12:00; 13:00-16:00; 17:00-24:00\*

720 kilocycles (416.4)

WGN ak 50000 .... Chicago, Ill. C-7:00-1:30

730 kilocycles (410.7)

CFPL ak 100 F London, Ont. E-8:15-10:30; 12:00-13:30; 17:00-23:30\*  
 CJCA ah 1000 F Edmonton, Alta. M-7:30-13:30; 16:30-1:00\*  
 CKAC ck 5000 C Montreal, Que. E-7:30-1:00\*

740 kilocycles (405.2)

KMMJ ae 1000 D Clay Center, Neb. C-5:00-18:00\*  
 KTRB ak 250 D Modesto, Calif. P-6:00-17:30\*  
 WHEB ak 250 D Portsmouth, N. H. E-9:00-17:30\*  
 WSB ah 5000 N Atlanta, Ga. C-6:55-24:00\*

750 kilocycles (399.8)

CMCW dk 150 .... Havana, Cuba E-.....  
 KGU aj 2500 N Honolulu, T. H. L-6:30-22:30\*  
 WJR ak 50000 C Detroit, Mich. E-6:00-1:00\*  
 XEAM z 7.5 .... Matamoros, Tams. C-.....

760 kilocycles (394.5)

CMHX ak 500 (.15) Cienfuegos, Cuba E-8:00-22:00\*  
 KXA ae 250 (.5) Seattle, Wash. P-6:30-ss; 22:00-1:00\*  
 WBAL ae 1000 BSy Baltimore, Md. E-.....  
 WEW ae 1000 D St. Louis, Mo. C-6:00-ss\*  
 WJZ ak 50000 BSy New York, N. Y. E-8:00-1:00\*  
 XEOK z 250 .... Tijuana, L. C. P-.....

770 kilocycles (389.4)

CMBS ak 150 .... Havana, Cuba E-10:00-12:00; 15:30-18:00\*  
 KFAB ae 1000 CSy Lincoln, Neb. C-6:00-24:00\*  
 WBBM ae 50000 CSy Chicago, Ill. C-6:50-2:15\*

780 kilocycles (384.4)

CHWK dk 100 F Chilliwack, B. C. P-11:45-22:30\*  
 CKSO ak 1000 F Sudbury, Ont. L-12:00-14:00; 17:00-23:00\*  
 CMJK ak 250 .... Camaguey, Cuba E-11:30-14:30; 18-22  
 KEHE ak 500 2 (1) Los Angeles, Calif. P-6:00-10:00; 13:00-17:00; 20:00-4:00\* (KTM)  
 KELW ak 500 2 Burbank, Calif. P-10:00-13:00; 17:00-20:00; 4:00-6:00\*  
 KFDY ae 1000 D Brookings, S. D. C-12:30-14:00\*  
 KFQD ck 250 Anchorage, Alaska L-18:00-24:00\*  
 KGHl ak 1000 N (2.5) Billings, Mont. M-8:00-23:00\*  
 WEAN ae 500 C Providence, R. I. E-7:45-1:00\*  
 WMC ak 1000 N (2.5) Memphis, Tenn. C-6:45-24:00\*  
 WTAR ae 500 N (1) Norfolk, Va. E-7:00-24:00\*  
 XEYZ z 10000 .... Mexico City, D. F. C-10:00-23:00\*

790 kilocycles (379.5)

GMOA z 150 .... Havana, Cuba E-.....  
 KGO ak 7500 N San Francisco, Calif. E-7:30-24:00\*  
 WGY ak 50000 R Schenectady, N. Y. E-6:45-1:00\*

800 kilocycles (374.8)

HIX ak 700 .... Santo Domingo, D. R. L-11:30-13:00; 17:00-18:00\*  
 WBAP ak 50000 Na Fort Worth, Tex. C-6:00-24:00\*

WFAA ak 50000 Na Dallas, Tex. C—6:00-24:00\*  
 WTBO ak 250 D Cumberland, Md. E—8:45-ss\*

810 kilocycles (370.2)

CMCF ak 250 815 Havana, Cuba E—10:30-24\*  
 CMHW ak 100 ... Cienfuegos, Cuba E—13:00-14:00; 17:00-21:00\*  
 WCCO ae 50000 C Minneapolis, Minn. C—6:45-24:00  
 WNYC ak 1000 D New York, N. Y. E—8:00-1 hour after ss  
 XFC z 350 ... Aguascalientes, Ags. C—

820 kilocycles (365.6)

WHAS aj 50000 C Louisville, Ky. C—7:00-24:00\*  
 XETW dk 500 ... Mexico City, D. F. C—12:00-24:00\*

830 kilocycles (361.2)

KOA ak 50000 N Denver, Colo. M—7:00-24:00\*  
 WEUW ak 1000 D Reading, Pa. E—8:00-ss\*  
 WHDH ae 1000 Dn Boston, Mass. E—7:00-ss in Denver\*  
 WRUF ae 5000 Dn Gainesville, Fla. E—8:00-18:45\*

840 kilocycles (356.9)

CFQC ak 1000 F Saskatoon, Sask. M—8:00-13:30; 17:30-23:00\*  
 CMQ ak 500 ... Havana, Cuba E—6:55-1:00\*  
 CRCT ak 5000 FN Toronto, Ont. E—6:45-24:00\*  
 VOGY ak 400 ... St. John's, Nfld. L—10:00-11:30; 13:00-14:30; 18:00-21:00\*  
 XEP z 500 ... Mexico City, D. F. C—

850 kilocycles (352.7)

KIEV ak 100 D Glendale, Calif. P—6:00-18:00\*  
 TIEP z 500 ... San Jose, C. R. C—  
 WESG ak 1000 C Elmira, N. Y. E—7:30-18:15\*  
 WWL ae 10000 C New Orleans, La. C—6:00-24:00\*  
 XEFE z 250 ... Nuevo Laredo, T. C—

860 kilocycles (348.6)

WABC ak 50000 C New York, N. Y. E—7:30-2:00\* (WBOQ)  
 WHB ak 1000 D Kansas City, Mo. C—6:00-17:00\*  
 XEMO ak 5000 ... Tijuana, L. C. P—7:00-1:00\*

870 kilocycles (344.6)

WENR ak 50000 Na Chicago, Ill. C—15:00-19:00; 20:30-1:00  
 WLS ae 50000 Na Chicago, Ill. C—8:00-15:00; 19:00-20:30; 24-1:00

880 kilocycles (340.7)

CFJC ak 100 F Kamloops, B. C. P—7:30-10:30; 12:00-14:00; 18:00-21:00\*  
 CMBN z 150 ... Havana, Cuba E—  
 CRCO ak 1000 F Ottawa, Ont. E—8:00-9:00; 11:50-14:00; 17:00-24:00\*  
 KFKA ak 500 2 (1) Greeley, Colo. M—5-7; 9-14; 16:30-19; 20:30-24\*  
 KLX ae 1000 ... Oakland, Calif. P—8:00-23:00\*  
 KPOF ae 500 2 Denver, Colo. M—7:30-9:00; 14:30-16:00; 19:00-20:30\*  
 WCOG ae 500 (1) Meridian, Miss. C—7:30-14:00; 17:00-22:30\*  
 WGBI ae 500 1 Scranton, Pa. E—9:30-12:30; 13:30-16:30; 17:30-20:00  
 WPHR ak 500 D Petersburg, Va. E—7:30-ss\*  
 WQAN ae 250 1 Scranton, Pa. E—12:30-13:30; 16:30-17:30\*  
 WSUI ae 500 (1) Iowa City, Iowa C—9:00-22:00\*

890 kilocycles (336.9)

KARK ak 250 (.5) Little Rock, Ark. C—6:00-22:00\*  
 KFNE ak 500 2 (1) Shenandoah, Iowa C—5:30-8:00; 11:00-16:00; 18:00-21:00\*  
 KFYP ak 1000 C Spokane, Wash. P—6:50-24:00\*  
 KUSD ae 500 2 Vermillion, S. D. C—16:00-17:00; M W & F 21-22  
 WBAA ak 1000 D W. Lafayette, Ind. C—11:00-17:00\*  
 WGST ak 500 C (1) Atlanta, Ga. C—6:00-24:00\*  
 WILL ak 250 2 (1) Urbana, Ill. C—8:00-11:00; 17:00-18:00  
 WJAR ae 500 R Providence, R. I. E—8:00-1:00\*  
 WMMN ak 500 (1) Fairmont, W. Va. E—7:30-22:00\*  
 XEW ak 50000 ... Mexico City, D. F. C—

900 kilocycles (333.1)

KGBU ak 500	...	Ketchikan, Alaska	L.....
KIHJ ae 1000	(C) (5)	Los Angeles, Calif.	P-6:00-1:00*
KSEI ck 250	(.5)	Pocatello, Idaho	M-7:30-23:00*
WBEN ak 1000	R	Buffalo, N. Y.	E-7:00-24:00
WELI z 500	D	New Haven, Conn.	E.....
WFMD ah 500	DP	Frederick, Md.	E-7:00-ss*
WJAX aeh 1000	N (5)	Jacksonville, Fla.	E-7:00-1:00*
WKY ae 1000	N	Oklahoma City, Ok.	C-6:45-24:00
WLBL ak 2500	D	Stevens Point, Wis.	C-8:00-16:00*
WTAD ak 500	D	Quincy, Ill.	C-7:00-ss*

910 kilocycles (329.6)

CJAT ak 250	F	Trail, B. C.	P-7:00-22:30
CRCM ak 5000	F	Montreal, Que.	E-5:00-23:00
XENT ak 65000	....	Nuevo Laredo, Tams.	C-19:30-1:30*

920 kilocycles (325.9)

CMX ae 650	....	Havana, Cuba	E-8:00-1:00*
HHK ae 1000	....	Port-au-Prince, Haiti	E.....
KFEL ak 500	a	Denver, Colo.	M-6:00-1:00*
KOMO ak 1000	N (5)	Seattle, Wash.	P-7:00-24:00*
KPRC ak 1000	N (5)	Houston, Texas	C-6:30-24:00*
KVOD ak 500	a	Denver, Colo.	M-6:00-24:00*
WAAF ak 1000	D	Chicago, Ill.	C-6:00-16:30*
WBSO ae 500	D	Babson Park, Mass.	E-8:30-17:00*
WPEN ak 250	(.5) 1	Philadelphia, Pa.	E-7:30-22:00*
WRAX ak 250	1 (.5)	Philadelphia, Pa.	E-7:30-22:00*
WSPA ae 1000	D	Spartanburg, S. C.	E-6:00-19:30*
WWJ ak 1000	R (5)	Detroit, Mich.	E-6:15-00:30*
XEAA ak 200	....	Mexicali, L. C.	P-5:00-22:00*

930 kilocycles (322.4)

CFAC ak 100	F	Calgary, Alta.	M-7:00-23:00*
CFCH ak 100	F	North Bay, Ont.	E-12:00-14; 17:30-23:00*
CFLC ae 100	....	Prescott, Ont.	E-8:00-10:00; 12-14; 17-19:30*
CHNS ae 1000	F	Halifax, N. S.	A-9:30-12:30; 18:00-24:00
CKPC ak 100	F	Brantford, Ont.	E-7:00-24:00*
CKPR ak 100	F	Fort William, Ont.	E.....
KGBZ ak 1000	2 (2.5)	York, Neb.	C-7:30-9:30; 11-12:30; 14-15:30; 17-18:30; T W & F 20:30-22:00
KMA ak 1000	2 (2.M)	Shenandoah, Iowa	C-9:30-11; 12:30-14; 15:30-17; 18:30-20:30*
KROW ak 500	(1)	Oakland, Calif.	P-6:00-2:00*
TIRH z 50	....	San Jose, C. R.	C.....
WBRC ak 1000	C	Birmingham, Ala.	C-7:00-23:00*
WDBJ ae 1000	C	Roanoke, Va.	E-7:00-24:00*

940 kilocycles (319.0)

CMBC dj 500	....	Havana, Cuba	E-9:00-00:30*
KOIN ak 1000	C (5)	Portland, Ore.	P-6:30-24:00*
VOAS ak 100	....	St. John's Nfld.	L-11-12:30; 16-17:30; 19:45-21:30*
WAAT ae 500	D	Jersey City, N. J.	E-6:30-18:00*
WAVE bk 1000	N	Louisville, Ky.	C-7:00-24:00*
WGSB ae 1000	R (2.5)	Portland, Maine	E-7:45-24:00*
WDAY ae 1000	N (5)	Fargo, N. D.	C-7:00-24:00*
WHA ak 1000	D (5)	Madison, Wis.	C-8:00-16:30*
XEFO ak 5000	(XF0)	Mexico City, D. F.	C-7:00-24:00*

950 kilocycles (315.6)

GRCS ak 100	F	Chicoutimi, Que.	E-17:00-23:00*
KFWB ak 1000	(2.5)	Hollywood, Calif.	P-7:00-23:30*
KHSL ak 250	D	Chico, Calif.	P-7:00-ss*
KMBC ae 1000	C (5)	Kansas City, Mo.	C-5:55-24:00*
WRC ak 500	R (1)	Washington, D. C.	E-7:00-1:00*
YNVA z 30	....	Managua, Nic.	C.....

960 kilocycles (312.3)

CKY ak 15000	F	Winnipeg, Man.	C-8:00-14; 16-24*
CMCD ak 250	....	Havana, Cuba	E-11:00-24:00*
XEAW ak 50000	....	Reynosa, Tams.	C-19:00-10:00*

970 kilocycles (309.1)

KJR	ak	5000	N	Seattle, Wash.	E—7:30-24:00*
WGFL	ae	5000	B	Chicago, Ill.	C—7:00-24:00*
WIBG	ak	100	D	Glenside, Pa.	E—6:00-ss*

980 kilocycles (303.9)

KDKA	ae	50000	B	Pittsburgh, Pa.	E—7:00-1:00*
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990 kilocycles (302.8)

WBZ	ak	50000	BSy	Boston, Mass.	E—7:00-1:00*
WBZA	ak	1000	BSy	Springfield, Mass.	E—7:00-1:00*
XEAF	ak	500	.....	Nogales, Sonora	M—9:00-13; 18-22*
XEK	ak	100	.....	Mexico City, D. F.	C—11:00-16; 18:00-2:00*
XES	dk	250	.....	Tampico, Tams.	C—9:30-14:30; 17-22; 1:00-2:30*

1000 kilocycles (299.8)

CMBZ	ak	250	.....	Havana, Cuba	E—7:00-24:00*
KFVD	ak	250	Dn	Los Angeles, Calif.	P—6:30-ss; 22-24*
TIGH	z	500	.....	San Jose, C. R.	C—.....
WIOO	ak	50000	R	Des Moines, Iowa	C—6:30-7:15; 12:45-15:30; 18:30-22:15
XEY	z	10	.....	Merida, Yuc.	C—.....

1010 kilocycles (296.9)

CHML	ak	100	F	Hamilton, Ont.	E—8:00-23:00*
CHWC	ak	500	3F	Regina, Sask.	M—7:00-9:00; 10-11; 12-13; 15:30-17:30
CKCD	ak	100	.....	Vancouver, B. C.	P—7:30-23:30*
CKKC	ak	500	3F	Regina, Sask.	M—9:10; 11-12; 13:30-15:30; T Th & F 17:30-24
CKCO	ak	100	F	Ottawa, Ont.	E—12:14; 18-23*
CKIC	ak	50	F	Wolfville, N. S.	A—18:00-19:00*
CKWX	ak	300	.....	Vancouver, B. C.	P—7:00-19:30; W T F 21-24
CMJA	ak	300	.....	Camaguey, Cuba	E—12:00-22:00*
KGGF	ak	1000	2	Coffeyville, Kans.	C—7:00-14; 16:30-19:30
KQW	ak	1000	.....	San Jose, Calif.	P—6:30-24:00*
TIGA	z	30	1014	Cartago, C. R.	C—.....
WJN	ae	1000	(5)	New York, N. Y.	E—8:00-1:00*
WIS	ae	500	N (1)	Columbia, S. C.	E—7:30-24:00*
WNAD	ae	1000	2 (1)	Norman, Okla.	C—12:00-16; T W T 19:30-21:30
XEU	ak	250	.....	Veracruz, Ver.	C—7:00-8:00; 10-15; 18-23

1020 kilocycles (293.9)

KYW	ak	10000	R	Philadelphia, Pa.	C—8:00-1:00*
XEJ	ak	1000	.....	Juarez, Chih.	C—10:00-14:00; 17-23:30*

1030 kilocycles (291.1)

CFCN	ak	10000	.....	Calgary, Alta.	M—7:00-23:00; Th to 24
CKLW	ag	5000	.....	Windsor, Ont.	E—6:45-1:45*
CMCY	ak	1000	.....	Havana, Cuba	E—.....
XEB	ak	10000	.....	Mexico City, D. F.	C—9:00-24:00*

1040 kilocycles (288.3)

KRLD	ae	10000	C	Dallas, Texas	C—6:30-23:30
KRWJ	ak	500	.....	Portland, Ore.	P—7:00-ss; 21-3:00*
WKAR	ae	1000	D	East Lansing, Mich.	E—12-12:30; 14-17*
WTIC	ah	50000	R	Hartford, Conn.	E—7:00-24:00*

1050 kilocycles (285.5)

CMKD	ak	250	.....	Santiago, Cuba	E—7:30-22:30*
CRCK	ak	1000	F	Quebec, Que.	E—16:30-24*
KFBI	ak	5000	Dn	Abilene, Kans.	C—6:45-19:30*
KNX	ak	50000	.....	Hollywood, Calif.	P—7:00-24:00*
TIFA	z	75	.....	San Jose, C. R.	C—.....

1060 kilocycles (282.8)

CMK	ae	250	.....	Havana, Cuba	E—11-13; 19-24*
KTHS	ae	10000	N	Hot Springs, Ark.	C—8-13; 15-17; 20-23*

*Monday to Friday Time on the Air, B. C. Stations of N. A.*

VOAC	z	40	1065	St. John's, Nfld.	L—
WBAL	ak	10000	B	Baltimore, Md.	E—7:00-24:00*
WJAG	ak	1000	D	Norfolk, Neb.	C—7:00-ss*
XEA	ak	500	.....	Guadalajara, Jal.	C—8:00-9:30; 12:00-15; 19-23*

**1070 kilocycles (280.2)**

CMHA	z	50	.....	Sagua la Grande, C.	E—
KJBS	ak	500	Dn	San Francisco, Calif.	P—22:00-21:00*
WGAZ	ak	100	D	Carthage, Ill.	C—9:30-15:30*
WDZ	ak	100	D	Tuscola, Ill.	C—8:00-16:00*
WTAM	ak	50000	R	Cleveland, Ohio	E—6:30-1:00*

**1080 kilocycles (277.6)**

WBT	ak	50000	C	Charlotte, N. C.	E—6:45-24:00*
WCBD	ak	5000	1Dny	Waukegan, Ill.	C—7:30-10:30; 13-15; M W F 16:30-17:15
WMBI	ak	5000	1Dn	Chicago, Ill.	C—7:00-7:30; 10:30-13; 15-16:30*
XEMA	z	50	.....	Tampico, Tams.	C—

**1090 kilocycles (275.1)**

KMOX	ak	50000	C	St. Louis, Mo.	C—5:30-24:00*
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**1100 kilocycles (272.6)**

CRCV	ak	500	F	Vancouver, B. C.	P—5:30-23:00*
KGDM	ak	1000	D	Stockton, Calif.	P—6:00-ss*
KWKH	ae	10000	C	Shreveport, La.	C—
WLWL	ae	5000	1	New York, N. Y.	E—6:00-20:00*
WPG	ak	5000	1C	Atlantic City, N. J.	E—8:30-18; 20:00:30*
XEL	z	250	.....	Mexico City, D. F.	C—

**1110 kilocycles (270.1)**

CMCO	ak	250	.....	Havana, Cuba	E—9:00-24:00*
KSOO	ak	2500	Dn	Sioux Falls, S. D.	C—6:30-18:30*
WRVA	ae	5000	N	Richmond, Va.	E—7:00-24:00*
XELO	z	10000	.....	Piedras Negras, Co.	C—

**1120 kilocycles (267.7)**

CHLP	ak	100	F	Montreal, Que.	E—8:00-23:00*
CHSJ	ae	500	F (1)	St. John, N. B.	A—6:00-7:45; 17-24*
CKQC	ae	500	F (1)	Hamilton, Ont.	E—8:00-24:00*
CKX	ak	100	F	Brandon, Man.	C—11:30-12:30; 19-23
CMGF	dk	100	.....	Matanzas, Cuba	E—15-17; 20-22:30*
CMKM	ak	200	.....	Manzanillo, Cuba	E—8:00-11:55; 19-22*
KFIO	ae	100	D	Spokane, Wash.	P—6:00-17:00*
KFSG	ag	500	a (1)	Los Angeles, Calif.	P—6:30-7:15; 19:30-24*
KRKD	aj	500	a (1)	Los Angeles, Calif.	P—7:45-19:30; M W & F to 24
KRSC	ak	100	D	Seattle, Wash.	P—6:00-ss*
WCOP	ak	500	D	Boston, Mass.	E—7:00-ss*
WDEL	ak	250	(.5)	Wilmington, Del.	E—9:00-24:00*
WISN	ak	250	(1)	Milwaukee, Wis.	C—7:00-24:00*
WTAW	ae	500	.....	College Station, Tex.	C—12:20-12:50; M & F 20-21

**1130 kilocycles (265.3)**

CMJI	ak	50	.....	Ciego de Avila, Cuba	E—
KSL	ae	50000	C	Salt Lake City, Utah	M—6:30-24:00*
WJJD	ak	20000	Dn	Chicago, Ill.	C—6:00-18:45*
WOV	ag	1000	D	New York, N. Y.	E—8:00-18:00*

**1140 kilocycles (263.0)**

CMBG	z	200	.....	Havana, Cuba	E—
KVOO	ak	25000	1N	Tulsa, Okla.	C—6:00-ss; Th & F 21-1
WAPI	ae	5000	1N	Birmingham, Ala.	C—

**1150 kilocycles (260.7)**

CMJF	z	200	.....	Camaguey, Cuba	E—
WHAM	ae	50000	B	Rochester, N. Y.	E—7:30-00:30*

*Monday to Friday Time on the Air, B. C. Stations of N. A.*

XED	ak	2500	1155	Guadalajara, Jal.	C	8:00-9:00; 12:00-24:00*
XEFL	z	500	.....	Tijuana, L. C.	P	24 hours daily
XEH	ak	250	.....	Monterrey, N. L.	C	9:00-21:00*
XEWZ	ak	100	.....	Mexico City, D. F.	C	12:00-1:00*

### 1160 kilocycles (258.5)

GMILJ	z	100	.....	Cienfuegos, Cuba	E	11:00-13:00; 17:00-21:00*
WOWO	ae	10000	1C	Fort Wayne, Ind.	C	7:00-17; 19:30-24
WVVA	ak	5000	1C	Wheeling, W. Va.	E	6:00-20:30; T & T 23:30-1
XEAS	z	100	.....	Saltillo, Coah.	C	10:00-14:00; 18:00-21:00
XEC	z	30	.....	Tijuana, L. C.	P	.....

### 1170 kilocycles (256.3)

CMBD	z	150	.....	Havana, Cuba	E	.....
WCAU	ae	50000	C	Philadelphia, Pa.	E	8:00-1:00*

### 1180 kilocycles (254.1)

GMJO	ak	50	.....	Ciego de Avila, Cuba	E	9:00-13; 18-22*
KEX	ak	5000	2N	Portland, Ore.	P	6:30-17:30; 20-24*
KOB	ak	10000	2	Albuquerque, N. M.	M	11:00-21:00*
VEPEK	ak	10	1185	Montmagny, Que.	E	.....
WDGY	ak	1000	Du (5)	Minneapolis, Minn.	C	6:30-18:30*
WINS	ak	1000	.....	New York, N. Y.	E	6:00-19:30*
WMAZ	ak	1000	.....	Macon, Ga.	E	7:00-19:30*
XEFA	z	500	.....	Mexico City, D. F.	C	.....

### 1190 kilocycles (252.0)

CMKV	z	50	.....	Santiago, Cuba	E	.....
HJ	z	15	1195	Santo Domingo, D.R.	E	.....
VONF	ak	500	1195	St. John's, Nfld.	L	12:00-14:00; 18-20
WATR	ak	100	D	Waterbury, Conn.	E	9:00-17:15*
WOAI	ak	50000	N	San Antonio, Texas	C	6:55-23:30*
WSAZ	ak	1000	.....	Huntington, W. Va.	E	7:00-19:15*

### 1200 kilocycles (249.9)

CHAB	ak	100	F	Moose Jaw, Sask.	M	7:00-22:00*
CKNX	ak	50	.....	Wingham, Ont.	E	11-13; 17-21*
CKTB	ae	100	F	St. Catharines, Ont.	F	10-24:00*
CMCJ	ak	350	.....	Havana, Cuba	E	.....
KADA	ak	100	D	Ada, Okla.	C	7:00-17:45*
KBTM	ak	100	D	Jonesboro, Ark.	C	8:30-18:30*
KFJB	ak	100	(.25)	Marshalltown, Iowa	C	6:00-21:00*
KFXD	ae	100	(.25)	Nampa, Idaho	M	7:00-21:00*
KFXJ	ak	100	(.25)	Grand Junction, Col.	M	9:00-21:00*
KGDE	ak	100	(.25)	Fergus Falls, Minn.	C	7:00-21:00*
KGEK	ak	100	.....	Sterling, Colo.	M	11:30-13:30*
KGFJ	ae	100	.....	Los Angeles, Calif.	P	24 hours daily
KGHI	ak	100	(.25)	Little Rock, Ark.	C	8:00-13; 15-22*
KMLB	ak	100	.....	Monroe, La.	C	.....
KSUN	ak	100	.....	Lowell, Ariz.	M	9:00-17:45*
KVOS	dk	100	.....	Bellingham, Wash.	P	6:00-24:00*
KWG	ak	100	C	Stockton, Calif.	P	7:00-24:00*
WABI	ak	100	.....	Bangor, Maine	E	9:00-14; 18-22*
WAIM	ak	100	.....	Anderson, S. C.	E	7:30-21:30*
WBBZ	ak	100	.....	Ponca City, Okla.	C	6:30-21:45*
WBNO	ak	100	1	New Orleans, La.	C	12-17; 20-23*
WCAT	ak	100	D	Rapid City, S. D.	C	12:30-13:30*
WCAX	ak	100	.....	Burlington, Vt.	E	12:00-1:00*
WCLO	ak	100	.....	Jamesville, Wis.	C	7:00-20:00*
WCPO	ak	100	(.25)	Cincinnati, Ohio	E	7:30-23:00*
WFAM	ak	100	8	South Bend, Ind.	C	6:30-24:00*
WHBC	ak	100	(.25)	Canton, Ohio	E	9:00-21:30*
WHBY	ak	100	(.25)	Green Bay, Wis.	C	7:00-22:00*
WIBX	aej	100	(.3) C	Utica, N. Y.	E	7:00-1:00*
WIL	ak	100	(.25)	St. Louis, Mo.	C	7:00-24:00*
WJBC	ak	100	6	Bloomington, Ill.	C	9:00-12:30; 15-19:30*
WJBL	ak	100	6	Decatur, Ill.	C	6:30-9; 12:30-15; 19:30-24*
WJBW	ak	100	1	New Orleans, La.	C	8:00-12:00; 17-20*
WKBO	ak	100	3 (.25)	Harrisburg, Pa.	E	7:30-11; 15-18; 20-23*
WKJC	ae	100	3 (.25)	Lancaster, Pa.	E	11:00-15; 18-20*
WLVA	ak	100	(.25)	Lynchburg, Va.	E	7:00-14; 17-22*
WMFR	ae	100	PD	High Point, N. C.	E	7:00-ss*
WMPC	ak	100	(.25)	Lapeer, Mich.	E	10-14; 15:30-18; 19-22:30

Monday to Friday Time on the Air, B. C. Stations of N. A.

WNRI	ak	100	(.25) P	Newport, R. I.	E—
WRBL	ak	100	.....	Columbus, Ga.	C—7:00-21:00*
WVAE	ae	100	8	Hammond, Ind.	C—7:00-8:30; 11-13; 16-24*
.....	z	100	DP	San Diego, Calif.	P

1210 kilocycles (247.8)

CJCS	z	50	.....	Stratford, Ont.	E—9:00-13:30; 16:30-22*
CJCU	z	50	.....	Aklavik, N. W. T.	P—20:30-21:30*
CKBI	ak	100	F	Prince Albert, Sask.	M—8:00-13:30; 17-23*
CKCH	ak	100	F	Hull, Que.	E—8-9; 10:30-13:15; 17-23:15*
CKMC	ak	50	.....	Cobalt, Ont.	E—
CMHI	ak	150	.....	Santa Clara, Cuba	E—11-12; 20-21*
KASA	ak	100	.....	Elk City, Okla.	C—6-8; 9-13:30; 14:30-20*
KDLR	ak	100	.....	Devils Lake, N. D.	C—6:30-16; 18-20:30*
KDON	z	100	.....	Del Monte, Calif.	P—
KEH	ak	100	.....	Klamath Falls, Ore.	P—8:30-21:00*
KFOR	ae	100	(.25) C	Lincoln, Neb.	C—7:00-23:00*
KFPW	ak	100	.....	Fort Smith, Ark.	C—6:30-14; 17-21:30*
KFVS	ak	100	6 (.25)	Cape Girardeau, Mo.	C—9:00-12; 16-19:30; T & T 21-24
KFXM	ak	100	9	San Bernardino, Cal.	P—9:00-12:45; 18-22*
KGY	ak	100	.....	Olympia, Wash.	P—7:00-23:00
KIUL	ak	100	.....	Garden City, Kans.	M—6:00-19:30
KPPC	ak	50	9	Pasadena, Calif.	P—
KVSO	ak	100	D	Ardmore, Okla.	C—7:00-18:00*
KWEA	z	100	.....	Shreveport, La.	C—
KWFN	ak	100	.....	Watertown, S. D.	C—7:00-21:00*
TGW	ak	10000	.....	Guatemala City	C—11-13; 18:30-19:30
WALR	ak	100	.....	Zanesville, Ohio	E—
WBAX	ae	100	S	Wilkes Barre, Pa.	E—7:30-12; T & T 18-24
WBBL	ak	100	S	Richmond, Va.	E—Wed. at 19:30
WBRB	ak	100	3	Red Bank, N. J.	E—17:00-19:00; Fri. to 24
WGOL	ak	100	.....	Columbus, Ohio	E—7:00-23:00*
WCRW	ae	100	4	Chicago, Ill.	C—11-14; 17-19*
WEOB	ae	100	6 (.25)	Harrisburg, Ill.	C—6-9; 12-16; 19:30-21; M W F to 24
WEDC	ae	100	4	Chicago, Ill.	C—8:30-10; 15:30-17; 0-2*
WFAS	ak	100	3	White Plains, N. Y.	E—9-11:30; 15-17; T & T to 24
WGBB	ae	100	3	Freeport, N. Y.	E—19-21; M & W to 24
WGUM	ae	500	.....	Gulfport, Miss.	C—8:00-14:00; 16-22:30*
WGNV	ak	100	3	Chester, N. Y.	E—6:45-9; 11:30-15*
WHBF	ak	100	(.25)	Rock Island, Ill.	C—7:30-23:00*
WHBU	ak	100	(.25)	Anderson, Ind.	C—6:30-24:00*
WIBU	ak	100	(.25)	Poynette, Wis.	C—7:00-19:00*
WJBY	ak	100	.....	Gadsden, Ala.	C—9:00-21:00*
WJEL	ae	100	D	Hagerstown, Md.	E—6:30-17:30; T & T to 23
WJIM	z	100	(.25)	Lansing, Mich.	E—
WJW	ae	100	(.25)	Akron, Ohio	E—9:00-23:00*
WKOK	ak	100	I	Sanbury, Pa.	E—12:00-18:00; M W F to 24
WMBG	ak	100	C (.25)	Richmond, Va.	E—7:00-24:00*
WMFG	z	100	.....	Hibbing, Minn.	C—
WMFN	ak	100	.....	Clarksdale, Miss.	C—7:00-21:00*
WOCL	ak	50	.....	Jamestown, N. Y.	E—10:30-22:30*
WOMT	ak	100	.....	Manitowoc, Wis.	C—7:00-21:00*
WPAV	ak	250	D	Thomasville, Ga.	E—7:00-ss*
WSAY	z	100	DP	Rochester, N. Y.	E—
WSBC	ae	100	4	Chicago, Ill.	C—6-8:30; 10-11; 14-15:30; 20-22; 23-24*
WSIX	ak	100	Y	Springfield, Tenn.	C—6:00-14:30; 17-20:30*
WSOC	ak	100	N (.25)	Charlotte, N. C.	E—7:00-24:00*
WTAX	ak	100	.....	Springfield, Ill.	C—7:00-22:30*
XEF	z	50	.....	Durango, Dgo.	C—
XEFV	ak	100	.....	Juarez, Chih.	M—8:00-15; 17-22*
XEMZ	z	250	.....	Tijuana, L. C.	P—
XETH	ak	100	.....	Puebla, Pue.	C—8:30-11; 13-15; 19-24*

1220 kilocycles (245.8)

CMJE	z	50	.....	Camaguey, Cuba	E—
KFKU	ae	1000	a (5)	Lawrence, Kas.	C—14:30-15; 18-18:15*
KTW	ak	1000	S2	Seattle, Wash.	P—Silent*
KWSC	ae	1000	2 (5)	Pullman, Wash.	P—6:45-8; 10:30-21:30*
WCAD	ak	500	D	Canton, N. Y.	E—12:30-13:30; 15-16*
WCAE	ak	1000	R (5)	Pittsburgh, Pa.	E—6:45-1:00*
WDAE	ae	1000	C (2.5)	Tampa, Fla.	E—8:00-24:00*
WREN	ak	1000	Ba(5)	Lawrence, Kas.	C—7:00-24:00*
XETF	ak	12	.....	Veracruz, Ver.	C—10:00-15:00; 18:30-23:00*

1230 kilocycles (243.8)

CJOC	ak	100	F	Lethbridge, Alta.	M—7:30-23:00
CMCB	ak	150	.....	Havana, Cuba	E—10:00-23:00*

**Monday to Friday Time on the Air, B. C. Stations of N. A.**

KGBX	ak	500	.....	Springfield, Mo.	C—7:00-13; 16-23*
KGGM	ak	250	(.5)	Albuquerque, N. M.	M—7:00-14; 16-21*
KYA	ak	1000	N	San Francisco, Calif.	P—8:00-23:00*
WFBM	ae	1000	C	Indianapolis, Ind.	C—6:30-24:00*
WNAC	ak	1000	C (2.5)	Boston, Mass.	E—6:30-1:00*
XEFJ	ak	100	.....	Monterrey, N. L.	C—11:00-14; 18-21:30*
YNOP	z	100	.....	Managua, Nic.	C—.....

**1240 kilocycles (241.8)**

CJCB	ak	1000	F	Sydney, N. S.	A—10-14; 17:30-24*
CMHB	z	50	.....	Sancti Spiritus, Cuba	E—.....
KGCU	ak	250	1	Mandan, N. D.	M—12:00-17; 18:45-21*
KLPM	ak	250	1	Minot, N. D.	C—7:00-13; 18-19:45; 22-23:30*
KTAT	ak	1000	.....	Fort Worth, Texas	C—7:00-24:00*
KTFI	ae	1000	.....	Twin Falls, Idaho	M—5:45-0:15*
WKAO	ae	1000	.....	San Juan, P. R.	A—11-13:30; 16-22
WXYZ	ak	1000	B	Detroit, Mich.	E—7:00-1:00*
XEAI	z	100	.....	Mexico City, D. F.	C—.....
XEKL	z	500	.....	Leon, Guan.	C—10:30-16; 17-23*

**1250 kilocycles (239.9)**

CMCG	ak	250	1255	Havana, Cuba	A—8:00-24:00*
CMKC	ak	150	.....	Santiago, Cuba	E—8:00-14; 16-23*
KFOY	ae	1000	.....	Long Beach, Calif.	P—5:30-24:00*
WCAI	ah	1000	2 (2.5)	Northfield, Minn.	C—9:45-10:16; M & W 19-20
WDSU	ak	1000	.....	New Orleans, La.	C—7:00-24:00*
WHBI	ak	1000	a (2.5)	Newark, N. J.	E—M 14-17; 20-22
WLB	ak	1000	2	Minneapolis, Minn.	C—13-13:30; 16-17; Th & F 19-20
WNEW	ae	1000	a (2.5)	Newark, N. J.	E—24 hours daily
WTCN	ak	1000	2 (5)	Minneapolis, Minn.	C—6:00-9:43; 10:16-19; 20-24*

**1260 kilocycles (238.0)**

CFRN	ak	100	F	Edmonton, Alta.	M—7:30-21:00
KGVO	ak	1000	.....	Missoula, Mont.	M—7:30-22:00*
KOIL	ak	1000	B (2.5)	Council Bluffs, Iowa	C—6:00-1:00*
KPAC	ak	500	D	Port Arthur, Texas	C—6:00-ss*
KRGV	ak	500	.....	Weslaco, Texas	C—7:00-21:00*
KUOA	ak	1000	D	Fayetteville, Ark.	C—6:00-10; 12-18*
KVOA	ak	500	.....	Tucson, Ariz.	M—6-9; 12-15; 18-21*
WHIO	ae	1000	R	Dayton, Ohio	E—7:30-1:00*
WNBX	ak	1000	.....	Springfield, Vt.	E—7:15-13; 14:30-17:45
WTOC	ae	1000	C	Savannah, Ga.	E—7:00-1:00*

**1270 kilocycles (236.1)**

CMHD	dk	250	.....	Caibarien, Cuba	E—20:00-21:00*
HRN	z	100	.....	Tegucigalpa, Hond.	C—.....
KGCA	ak	100	2D	Decorah, Iowa	C—8:30-9:45; 10:45-11:30; 12:30-14:30*
KOL	ae	1000	C (2.5)	Seattle, Wash.	P—6:45-24:00*
KVOR	ae	1000	C	Colorado Spgs., Colo.	M—7:00-22:00*
KWLC	ak	100	2D	Decorah, Iowa	C—7:30-8:30; 9:45-10:45; 11:30-12:30; 14:30-15:30*
WASH	ak	500	aN	Grand Rapids, Mich.	E—7:00-24:00*
WFBR	ak	500	R	Baltimore, Md.	E—7:00-24:00*
WJDX	ae	1000	N (2.5)	Jackson, Miss.	C—7:00-23:00*
WOOD	ak	500	aN	Grand Rapids, Mich.	E—7:00-24:00*
XEG	z	200	.....	Ensenada, L. C.	P—.....
XFB	ak	250	.....	Jalapa, Ver.	C—8:00-9:00; 13-14:30; 20-23:30*
YNLF	z	20	1275	Managua, Nic.	C—.....

**1280 kilocycles (234.2)**

CMCU	z	150	.....	Havana, Cuba	E—12:00-18:00*
KFBF	ae	1000	(2.5)	Great Falls, Mont.	M—8:00-22:00*
WCAM	ae	500	1	Camden, N. J.	E—14-17; M & F to 24
WCAP	ae	500	1	Asbury Park, N. J.	E—10:30-14:00; T W T 20-24
WDOD	ak	1000	C (5)	Chattanooga, Tenn.	C—7:00-23:30*
WIBA	ae	1000	N (5)	Madison, Wis.	C—7:00-24:00*
WORC	ak	500	C	Worcester, Mass.	E—8:00-24:00*
WRR	ak	500	.....	Dallas, Texas	C—7:00-23:00*
WTNJ	ak	500	1	Trenton, N. J.	E—8:00-8:30; 13-14; 17-20*
XEMX	z	12	.....	Mexico City, D. F.	C—.....



### 1290 kilocycles (232.4)

KDYL	ak	1000	N	Salt Lake City, Utah	M—6:20-1:00*
KLNC	ak	100	D	Blytheville, Ark.	C—8:00-18:00*
KTRH	ak	1000	C (5)	Houston, Texas	C—6:30-24:00*
WEBC	ae	1000	N (5)	Superior, Wis.	C—7:00-24:00*
WJAS	ak	1000	C (2.5)	Pittsburgh, Pa.	E—7:30-00:30
WNBZ	z	100	D	Saranac Lake, N. Y.	E—
WNEL	ak	500	.....	San Juan, P. R.	E—7:00-9; 11:14:30

### 1300 kilocycles (230.6)

HIZ	z	10	.....	Santo Domingo, D.R.	E—
KALE	ak	500	3C	Portland, Ore.	P—7:00-10:30; 14:30-17; 18-19; 20-23*
KFAC	ak	1000	.....	Los Angeles, Calif.	P—24 hours daily
KFHH	ak	1000	C	Wichita, Kans.	C—7:00-24:00*
KFJR	ag	500	3	Portland, Ore.	P—10:30-14:30; 17-18; 19-20; T W & F to 23
WAML	ak	100	.....	Laurel, Miss.	C—
WBRR	ae	1000	1	Brooklyn, N. Y.	E—6:30-7; 10-12; T W & Th 18-20
WEVD	ak	1000	1	New York, N. Y.	E—7:00-12; 15-21; 22-23; 24-1:00*
WFAB	ae	1000	1	New York, N. Y.	E—9:00-10; 12-15; 21-22; 23-24*
WFBC	ak	1000	(5)	Greenville, S. C.	E—7:30-22:30*
WHAZ	ae	500	1	Troy, N. Y.	E—Mon. 18-24
WIOD	ak	1000	N	Miami, Fla.	E—7:30-24:00*

### 1310 kilocycles (228.9)

CHCK	ak	50	.....	Charlottetown, P.E.I.	A—12:00-13:30; 17:00-21:00*
CJLS	ak	100	.....	Yarmouth, N. S.	A—10-13; 17:30-19:30*
KCKV	ak	100	F	Quebec, Que.	E—8:00-14; 17-23*
KCRJ	ak	100	D	Jerome, Ariz.	M—7:30-9:30; 12-13; 16:30-18*
KFPL	dk	100	(.25)	Dublin, Texas	C—6:00-21:30*
KFXR	ak	100	(.25)	Oklahoma City, Ok.	C—6:00-24:00*
KFYO	dk	100	(.25)	Lubbock, Texas	C—7:00-21:15*
KGCX	ak	100	(.25)	Wolf Point, Mont.	M—7:30-9:30; 12-15; 18-19*
KGEZ	aj	100	.....	Kalispell, Mont.	M—7:00-21:00*
KGFW	ak	100	.....	Kearney, Neb.	C—7:00-13:30; 15:30-21*
KINY	ak	100	.....	Juneau, Alaska	L—8:00-14; 16-22:00*
KIT	ak	100	(.25)	Yakima, Wash.	P—7:00-23:00
KIUJ	ak	100	.....	Santa Fe, N. Mex.	P—7:00-13:30; 16:30-22*
KMED	ck	100	(.25)	Medford, Ore.	P—8:00-20:00*
KRMD	ak	100	.....	Shreveport, La.	C—7:00-21:00*
KROC	z	100	.....	Rochester, Minn.	C—
KTSM	ak	100	.....	El Paso, Texas	M—6:30-22:30*
KVOL	ak	100	.....	Lafayette, La.	C—7:00-14; 17-22*
KXRO	ak	100	.....	Aberdeen, Wash.	P—7:30-22:00*
WBEO	ae	100	.....	Marquette, Mich.	C—9:30-16:30*
WBOW	ak	100	(.25)	Terre Haute, Ind.	C—6:45-14; 16-23*
WBRE	ak	100	.....	Wilkes Barre, Pa.	E—8:00-23:30
WCLS	ak	100	.....	Joliet, Ill.	C—7:00-20:30; F to 22:30
WCMJ	z	100	D	Ashland, Ky.	E—5:30-24:00*
WDAH	ak	100	S	El Paso, Texas	M—Silent*
WEBR	ach	100	(.25)	Buffalo, N. Y.	E—7:00-24:00*
WEMP	z	100	D	Milwaukee, Wis.	C—
WEXL	ak	50	.....	Royal Oak, Mich.	E—8:00-4:00*
WFBG	ae	100	3	Altoona, Pa.	E—10:30-16:30; 18:15-22:30; W to 24
WFDF	mk	100	.....	Flint, Mich.	E—7:00-24:00*
WGII	aj	100	(.25)	Newport News, Va.	E—7:00-23:00
WHAT	ak	100	4	Philadelphia, Pa.	E—9:00-11:30; 13-16; 17-18:30
WJAC	ae	100	3	Johnstown, Pa.	E—8:00-10:30; 16:30-18:15
WLBC	ak	100	6 (.25)	Muncie, Ind.	C—7:00-18:00; 19:30-23:00*
WLNH	ak	100	.....	Laconia, N. H.	E—8:00-23:00*
WMBO	ak	100	.....	Auburn, N. Y.	E—8:00-20:00*
WMFF	ak	100	D (.25)	Plattsburg, N. Y.	E—8:00-16:00*
WNBH	ak	100	(.25) C	New Bedford, Mass.	E—7:45-23:30*
WOL	ak	100	.....	Washington, D. C.	E—7:00-24:00*
WRAW	ak	100	.....	Reading, Pa.	F—7:00-13; 16-22*
WROL	ak	100	(.25)	Knoxville, Tenn.	C—7:00-24:00*
WSAJ	ae	100	.....	Grove City, Pa.	E—T & Th 19:15-20:15
WSGN	ak	100	(.25)	Birmingham, Ala.	C—7:00-21:00*
WSJS	ak	100	C	Winston-Salem, N.C.	E—8:00-24:00*
WTAL	ak	100	P	Tallahassee, Fla.	E—7:00-23:00*
WTFL	ce	100	4	Philadelphia, Pa.	E—7:00-9; 11:30-13; 16-21*
WTJS	ak	100	(.25)	Jackson, Tenn.	C—7:00-13:45; 16-22*
WTRC	ak	100	6 (.25)	Elkhart, Ind.	C—8:00-14; 17:30-19:30*
XEAJ	z	15	.....	Oaxaca, Oax.	C—
XECW	z	10	.....	Mexico City, D. F.	C—
XEFW	ak	250	.....	Tampico, Tams.	C—9:00-11; 12-14:30; 17-21*
XETB	ak	125	.....	Torreón, Coah.	M—11:00-16; 18:30-21*
XEX	ak	125	.....	Monterrey, N. L.	C—
XFA	z	5	.....	Aguascalientes, Ags.	C—

1320 kilocycles (227.1)

GMOX	ak	250	.....	Havana, Cuba	E—12:00-24:00*
KGHF	ak	500	.....	Pueblo, Colo.	M—7:00-22:00*
KGMB	ak	1000	C	Honolulu, T. H.	L—5:00-23:00
KID	ae	250	(.5)	Idaho Falls, Idaho	M—9:00-21:00*
KRNT	ak	500	C (1)	Des Moines, Iowa	C—6:00-24:00*
WADC	ae	1000	C (2.5)	Akron, Ohio	E—8:00-24:00*
WORK	ak	1000	.....	York, Pa.	E—8:00-17:30*
WSMB	ak	500	N	New Orleans, La.	C—7:00-24:00

1330 kilocycles (225.4)

CMHK	z	250	.....	Cruces, Cuba	E—10:00-11:30*
KGB	ag	1000	C (2.5)	San Diego, Calif.	P—7:00-1:00*
KMO	ak	250	.....	Tacoma, Wash.	P—6:45-23:00*
KSCJ	aj	1000	IC (2.5)	Sioux City, Iowa	C—7:30-23:00*
WDRC	ae	1000	C (2.5)	Hartford, Conn.	E—8:00-24:00*
WSAI	ak	1000	R (2.5)	Cincinnati, Ohio	E—7:00-24:00*
WTAQ	ae	1000	I	Eau Claire, Wis.	C—7:00-20:00*

1340 kilocycles (223.7)

CMJL	z	100	.....	Camaguey, Cuba	E—
KGDY	ak	250	D	Huron, S. D.	C—7:00-18:00*
KGIR	ak	1000	N (2.5)	Butte, Mont.	M—8:00-23:00*
KGNO	ak	250	.....	Dodge City, Kans.	C—7:00-20:00*
WGOA	ak	500	C	Pensacola, Fla.	C—7:30-23:00*
WFEA	ae	500	C (1)	Manchester, N. H.	E—9:00-23:00*
WSPD	ae	1000	C (2.5)	Toledo, Ohio	E—7:00-1:00*
XFD	z	350	.....	Jalapa, Ver.	C—

1350 kilocycles (222.1)

CMCA	z	250	.....	Havana, Cuba	E—12:00-14:00; 17:00-23:00*
KIDO	ak	1000	(2.5)	Boise, Idaho	M—7:30-22:00*
KWK	ak	1000	B (5)	St. Louis, Mo.	C—6:30-00:30*
WAWZ	ae	500	I (1)	Zarephath, N. J.	E—6-9; 17-18:30; M & W to 20:30
WBNX	ae	250	I	New York, N. Y.	E—6:00-7:30; 9-13*

1360 kilocycles (220.4)

CMJH	dk	100	.....	Ciego de Avila, Cuba	E—8:00-9:30; 10-14; 17-22*
KCRC	ak	250	.....	Enid, Okla.	C—7:00-14; 16:30-23*
KGER	ak	1000	.....	Long Beach, Calif.	P—7:00-23:00*
WCSA	ak	500	(1)	Charleston, S. C.	E—8:00-15:30; 17-22*
WFBL	ak	1000	C (5)	Syracuse, N. Y.	E—7:00-1:00*
WGES	ae	500	I	Chicago, Ill.	C—7:00-12; 15:30-20*
WQBC	ak	1000	D	Vicksburg, Miss.	C—8:00-10; 12-17:30*
WSBT	ak	500	I	South Bend, Ind.	C—6:30-24:00*

1370 kilocycles (218.8)

CKCW	ak	100	F	Moncton, N. B.	A—8:00-9:30; 12-14; 17-24*
CMGE	ak	50	.....	Cardenas, Cuba	L—11:00-14; 18-22:30*
KAST	ak	100	D	Astoria, Ore.	P—7:00-18:30*
KELD	z	100	.....	El Dorado, Ark.	C—
KERN	ak	100	.....	Bakersfield, Calif.	P—7:00-24:00*
KFGO	ak	100	.....	Boone, Iowa	C—
KFJM	ak	100	(.25)	Grand Forks, N. D.	C—8:00-20:00*
KFJZ	ae	100	.....	Fort Worth, Texas	C—7:00-23:00*
KPRO	ak	100	D	Longview, Texas	C—6:00-ss*
KGAR	ae	100	(.25)	Tucson, Ariz.	M—7:00-13; 16-22*
KGFG	bk	100	.....	Oklahoma City, Ok.	C—9:00-11; 14-19; 19:45-22*
KGFL	ak	100	4	Roswell, N. M.	M—7:00-9:30; 12-13; 16-19:30*
KGKL	ak	100	(.25)	San Angelo, Texas	C—8:00-21:30*
KICA	ak	100	4	Clovis, N. M.	M—7:00-16:30; 19:30-21:30*
KIUP	ak	100	P	Durango, Colo.	M—7:00-23:00*
KLUF	z	100	(.25)	Galveston, Texas	C—
KMAC	ak	100	5	San Antonio, Texas	C—7-8:30; 10-11; 12-13:30; 16-18; 19-20; 22-00:30*
KONO	ak	100	5	San Antonio, Texas	C—6-7; 8:30-10; 11-12; 13:30-16; 18-19; 20-22*
KRE	ak	100	(.25)	Berkeley, Calif.	P—24 hours daily
KRKO	ak	50	I	Everett, Wash.	P—7:30-12; 16:30-20*
KSLM	ak	100	.....	Salem, Ore.	P—9:00-21:00; T to 23
KUJ	ak	100	.....	Walla Walla, Wash.	P—6:30-22:00*
KVL	ak	100	I	Seattle, Wash.	P—12:00-16:30; 19-22*; F to 23:30
KWKC	ak	100	.....	Kansas City, Mo.	C—6-9; 12-15; 18-21*

*Monday to Friday Time on the Air, B. C. Stations of N. A.*

KWYO	ak	100	.....	Sheridan, Wyo.	M—7:00-24:00*
WABY	aj	100	.....	Albany, N. Y.	E—7:00-24:00*
WAGF	ak	100	.....	Dothan, Ala.	C—8:00-17:15*
WBNY	z	100	2P (.25)	Buffalo, N. Y.	E—.....
WBTM	ak	100	(.25)	Danville, Va.	E—7:00-14; 17-22*
WCBM	ae	100	(.25)	Baltimore, Md.	E—.....
WDAS	ae	100	(.25)	Philadelphia, Pa.	E—7:30-24:00*
WGL	ae	100	C	Fort Wayne, Ind.	C—6:30-9:30; 11:45-13:30; 17-24*
WHBQ	ak	100	.....	Memphis, Tenn.	C—7:55-14; 16-22:30*
WHDF	ak	100	(.25)	Calumet, Mich.	E—7:00-9; 11:30-13:30; 17:30-20:30*
WHBM	ak	100	(.25)	Jackson, Mich.	E—7:00-00:45*
WJTL	ak	100	.....	Atlanta, Ga.	C—6:30-24:00*
WLLH	ak	100	(.25)	Lowell, Mass.	E—7:30-24:00*
WMBR	ak	100	C (.25)	Jacksonville, Fla.	E—7:00-24:00*
WMFD	ak	100	D	Wilmington, N. C.	E—7:30-17:45*
WMFO	ak	100	D	Decatur, Ala.	E—7:00-17:15*
WOC	ak	100	C (.25)	Davenport, Iowa	C—7:00-24:00*
WPAY	ak	100	.....	Portsmouth, Ohio	E—8:00-11:30; 12-21*
WPFB	ak	100	.....	Hattiesburg, Miss.	C—7:00-21:00*
WQDM	ae	100	D	St. Albans, Vt.	E—.....
WRAC	ak	100	(.25)	Williamsport, Pa.	E—7:30-20:00*
WRDO	ae	100	.....	Augusta, Maine	E—8:00-23:30*
WRJN	ak	100	(.25)	Racine, Wis.	C—7:45-22:45*
WSVS	ak	50	D2	Buffalo, N. Y.	E—8:30-10:30; 14:00-15:00*
XEFZ	ak	100	.....	Mexico City, D. F.	C—18:00-1:00*
XEI	ak	125	.....	Morelia, Mch.	C—14:00-15:30; 21:00-22:00*
XFZZ	z	100	.....	San Luis Potosi, SLP	C—9:30-15; 17-22*
.....	z	100	P	Evansville, Ind.	C—.....
.....	z	100	P	Virginia, Minn.	C—.....

1380 kilocycles (217.3)

GMBX	ak	150	.....	Havana, Cuba	E—.....
KOH	ak	500	C	Reno, Nev.	P—8:00-24:00*
KQV	ae	500	.....	Pittsburgh, Pa.	E—7:00-24:00*
WALA	af	500	C (1)	Mobile, Ala.	C—8:00-23:00*
WKBH	ae	1000	.....	LaCrosse, Wis.	C—7:30-23:00*
WNBC	mk	250	D	New Britain, Conn.	E—7:00-17:15*
WSMK	ak	200	C	Dayton, Ohio	E—7:00-19:30; 22-1:00*

1390 kilocycles (215.7)

CJRC	ak	100	F	Winnipeg, Man.	C—7:30-23:00*
CMJC	z	150	.....	Camaguey, Cuba	E—.....
HH	ak	15	1395	San Ped. de Macoris, DR	E—.....
KLRA	ae	1000	C (2.5)	Little Rock, Ark.	C—5:30-2:00*
KOOS	ae	250	.....	Marshfield, Ore.	P—8:00-20:00*
KOY	ae	500	(1)	Phoenix, Ariz.	M—7:00-22:15*
WHK	ae	1000	C (2.5)	Cleveland, Ohio	E—7:30-24:00*

1400 kilocycles (214.2)

CMGC	z	100	.....	Matanzas, Cuba	E—.....
CMKR	z	100	.....	Santiago, Cuba	E—.....
KLO	ak	500	.....	Ogden, Utah	M—8:30-21:30*
KTUL	ak	500	C (1)	Tulsa, Okla.	C—6:30-24:00*
TGX	ak	250	.....	Guatemala City, Gt.	C—7:00-10:30; 13-15; 19-23*
WARD	ak	500	2	Brooklyn, N. Y.	E—.....
WBBC	ae	500	2 (1)	Brooklyn, N. Y.	E—.....
WIRE	ak	500	R (1)	Indianapolis, Ind.	C—7:00-24:00*
WLTH	ak	500	2	Brooklyn, N. Y.	E—.....
WVFW	ak	500	2	Brooklyn, N. Y.	E—.....

1410 kilocycles (212.6)

CHNC	ak	500	F (1)	New Carlisle, Que.	A—9:00-10; 12-13; 17:30-23:30*
CKFC	ak	50	.....	Vancouver, B. C.	P—15-16:30*
CKMO	ag	100	5F	Vancouver, B. C.	P—.....
CMCR	z	150	.....	Havana, Cuba	E—12:00-13; 16-18; 20-21*
KGNC	ae	1000	(2.5)	Amarillo, Texas	E—.....
WAAB	ak	500	C	Boston, Mass.	E—7:30-24:00*
WBCM	ae	500	.....	Bay City, Mich.	E—8:45-00:45*
WHBL	ae	500	.....	Sheboygan, Wis.	C—6:00-10:00; 13-16:30; 18-19:30*
WHIS	ak	250	(.5)	Blufffield, W. Va.	E—7:00-9; 12-15; 18-20*
WROK	ak	500	4	Rockford, Ill.	C—10:00-13:00; 16-18; 20-22:30*
WSFA	ak	500	C (1)	Montgomery, Ala.	C—6:30-22:30*

1420 kilocycles (211.1)

CKGB	ak	100	.....	Timmins, Ont.	E—12-13:30; 17-22:30*
CMGI	z	50	.....	Matanzas, Cuba	E—.....

*Monday to Friday Time on the Air, B. C. Stations of N. A.*

KABC	ak	100	(.25)	San Antonio, Texas	C—7:00-23:00*
KABR	ak	100	.....	Aberdeen, S. Dak.	C—.....
KALB	z	100	D	Alexandria, La.	C—.....
KBPS	aj	100	4	Portland, Ore.	P—11-12:30; 15-17
KCMC	ak	100	.....	Texarkana, Ark.	C—7:00-14; 16-21*
KFIZ	ak	100	.....	Fond du Lac, Wis.	C—9-13; 16-21*
KGFF	ak	100	(.25)	Shawnee, Okla.	C—7:30-15; 17-21*
KGGC	ak	100	.....	San Francisco, Cal.	P—9:00-13; 16-23*
KGIW	ak	100	1	Alamosa, Colo.	M—7:00-14; 18-21*
KHBC	z	100	.....	Hilo, T. H.	L—.....
KIDW	ak	100	1	Lamar, Colo.	M—7:00-12; 15-18*
KIUN	ak	100	.....	Pecos, Texas	C—7:00-14; 16-22*
KNET	z	100	DP	Palestine, Texas	C—.....
KORE	ae	100	.....	Eugene, Ore.	P—7:45-21:00*
KRLC	ak	100	.....	Lewiston, Idaho	P—6:30-22:00*
KRLH	z	100	DP	Midland, Tex.	C—.....
KUMA	ak	100	.....	Yuma, Ariz.	M—4:00-9; 11-13:30; 18-22*
KWBG	ak	100	.....	Hutchinson, Kans.	C—7:00-19:00*
KXL	ak	100	4 (.25)	Portland, Ore.	P—7:00-11; 12:30-15; 17-1
WACO	ak	100	C	Waco, Texas	C—7:00-23:00*
WAGM	ae	100	.....	Presque Isle, Maine	E—11:00-13; 16-19*
WAZL	ak	100	2	Hazleton, Pa.	E—10:30-14:30; 16-22*
WCBS	ak	100	.....	Springfield, Ill.	C—7:00-22:00*
WEED	ak	100	3	Rocky Mount, N. C.	E—7:00-16; 20-22*
WEHC	ak	100	3 (.25)	Charlottesville, Va.	E—7:00-13; 16-20*
WEHS	ak	100	a	Cicero, Ill.	C—16-18*
WELL	ak	100	.....	Battle Creek, Mich.	E—7:30-24:00*
WGPC	ak	100	.....	Albany, Ga.	C—7:00-21:00*
WHDL	ak	100	D	Olean, N. Y.	E—7:00-ss*
WHFC	ae	100	a	Cicero, Ill.	C—7:00-13:30; 18-1:00*
WILM	aj	100	2	Wilmington, Del.	E—7:00-11; 14-17; 21-24*
WJBO	ak	100	.....	Baton Rouge, La.	C—6:45-22:00*
WJBR	z	100	P	Gastonia, N. C.	E—.....
WJMS	ak	100	.....	Ironwood, Mich.	C—7:30-19:30*
WKBI	ak	100	a	Cicero, Ill.	C—13:30-16:30*
WLAJ	ak	100	(.25)	Lexington, Ky.	C—7:00-22:00*
WLBF	ak	100	.....	Kansas City, Kans.	C—7:00-22:00; Th to 23
WLEU	ak	100	(.25)	Erie, Pa.	E—8:00-23:00*
WMAS	ak	100	C (.25)	Springfield, Mass.	E—7:30-24:00*
WMBC	ae	100	(.25)	Detroit, Mich.	E—7:30-24:00*
WMBH	ak	100	(.25)	Joplin, Mo.	C—7:00-21:30*
WMFJ	ak	100	.....	Daytona Beach, Fla.	E—8:00-24:00*
WNRA	ak	100	.....	Sheffield, Ala.	C—7:00-13:00; 16-22*
WPAR	ak	100	(.25)	Paducah, Ky.	C—7:00-9:30; 11:00-14:00; 16-22:30*
WPRP	z	100	P (.25)	Parkersburg, W. Va.	E—8:00-22; T & T to 23
WWC	z	1000	P	Ponce, P. R.	A—.....
XEAZ	z	7	.....	Spartanburg, S. C.	E—.....
XEFB	ak	100	.....	Guanajuato, Gto.	C—.....
				Monterrey, N. L.	C—10:00-14:00- 17:00-21; W to 22:30

### 1430 kilocycles (209.7)

CMJP	ak	100	.....	Camaguey, Cuba	E—10:00-12:00; 20:00-22:00*
KECA	ah	1000	(5) N	Los Angeles, Calif.	P—7:00-23:00*
KGNF	ak	1000	D	North Platte, Neb.	C—7:00-ss*
KSO	ak	500	B (1)	Des Moines, Iowa	C—6:30-1:00*
WBNS	ae	500	C (1)	Columbus, Ohio	E—6:30-24:00*
WHEC	ae	500	C (1)	Rochester, N. Y.	E—8:00-24:00*
WHP	ak	500	C (1)	Harrisburg, Pa.	E—8:00-24:00*
WNBR	ae	500	(1)	Memphis, Tenn.	C—7:30-22:15*
WOKO	aj	500	C (1)	Albany, N. Y.	E—8:00-1:00*

### 1440 kilocycles (208.2)

KDFN	ak	500	.....	Casper, Wyo.	M—7:30-13:30; 15:00-21:00*
KLS	ag	250	D	Oakland, Calif.	P—7:00-18:00*
KXYZ	z	1000	.....	Houston, Texas	C—6:00-22:30*
TIFS	z	7.5	(1441)	Cartago, C. R.	C—.....
WBIG	ae	500	C (1)	Greensboro, N. C.	E—7:00-23:00*
WCBA	aj	500	a	Allentown, Pa.	E—7:00-1:00*
WMBD	ak	500	C (1)	Peoria, Ill.	C—6:00-24:00*
WSAN	aj	500	a	Allentown, Pa.	E—13:00-23:00*
XEFI	ae	250	.....	Chihuahua, Chih.	C—13:00-16:00; 20-22:30*
HP50	z	25	.....	Colon, Panama	C—.....

### 1450 kilocycles (206.8)

CFCT	ae	75	.....	Victoria, B. C.	P—8:00-12:30; 17:30-20:15; 00-2:00*
CHGS	ae	50	F	Summerside, P.E.I.	A—7:30-8:45; 10:30-14; 16-23*

**Monday to Friday Time on the Air, B. C. Stations of N. A.**

KIEM	ak	500	....	Eureka, Calif.	P—7:30-22:00*
KTBS	ak	1000	N	Shreveport, La.	C—6:30-24:00*
WGAR	ak	500	B (1)	Cleveland, Ohio	E—7:00-24:00
WHOM	ae	250	....	Jersey City, N. J.	E—7:00-24:00*
WSAR	ae	250	....	Fall River, Mass.	E—8:00-15:30; 17-22:15*
WTFI	ak	500	....	Athens, Ga.	E—8:00-20:00*

**1460 kilocycles (205.4)**

CMKF	z	50	....	Holguin, Cuba	E—.....
KSTP	ak	25000	N	St. Paul, Minn.	C—6:45-00:15*
WJSV	ak	10000	C	Washington, D. C.	E—6:30-1:00*

**1470 kilocycles (204.0)**

CMOK	z	150	....	Havana, Cuba	E—.....
KGA	ak	5000	N	Spokane, Wash.	P—6:00-24:00*
WLAC	ak	5000	C	Nashville, Tenn.	C—6:30-24:00*

**1480 kilocycles (202.6)**

KOMA	ak	5000	C	Oklahoma City, Ok.	C—7:00-24:00*
WKBW	ck	5000	C	Buffalo, N. Y.	E—7:00-1:00*

**1490 kilocycles (201.2)**

KFBK	ak	5000	C	Sacramento, Calif.	P—7:00-24:00*
WCKY	ae	5000	B	Covington, Ky.	E—7:00-24:00

**1500 kilocycles (199.9)**

CJIC	ak	100	....	Sault Ste. Marie, Ont.	E—11:00-14; 17-20*
CMCN	z	150	....	Havana, Cuba	E—.....
KDB	ak	100	C	Santa Barbara, Calif.	P—7:00-24:00*
KGFI	ak	100	(.25)	Corpus Christi, Tex.	C—7:00-15; 18-22*
KGFK	ak	100	Y	Moorhead, Minn.	C—8:00-21:00*
KGKB	ak	100	....	Tyler, Texas	C—8:00-14:00; 17-23*
KGKY	ak	100	(.25)	Scottsbluff, Neb.	M—7:00-15; 17-21*
KNEL	z	100	DP	Brady, Tex.	C—.....
KNOW	ak	100	....	Austin, Texas	C—7:00-14; 16-22*
KOTN	ak	100	D	Pine Bluff, Ark.	C—7:00-ss*
KPJM	ak	100	....	Prescott, Ariz.	M—8:00-13:30; 17:30-20:00*
KPLC	ak	100	....	Lake Charles, La.	C—7:00-14; 17-21*
KPO	ak	100	(.25)	Wenatchee, Wash.	P—7:00-23:00*
KREG	ak	100	....	Santa Ana, Calif.	P—9:00-23:00*
KRRR	z	100	DP	Roseburg, Ore.	P—.....
KXO	ae	100	....	El Centro, Calif.	P—7:00-14:00; 16:00-21:00*
WCNW	ak	100	1 (.25)	Brooklyn, N. Y.	E—14-18; M & F 20-22; W 22-1
WDNC	ae	100	C	Durham, N. C.	E—7:30-00:30*
WGAL	ae	100	(.25)	Lancaster, Pa.	E—9:00-22:00*
WHBB	z	100	DP	Selma, Ala.	E—.....
WHEF	ak	100	(.25)	Kosciusko, Miss.	C—6:30-21:00*
WJBK	ae	100	(.25)	Detroit, Mich.	E—24 hours daily
WKBB	ak	100	(.25)	E. Dubuque, Ill.	C—7:00-21:00*
WKBY	ak	100	....	Richmond, Ind.	C—10:00-12:00; 18:00-22:00*
WKBZ	ak	100	(.25)	Muskegon, Mich.	E—7:30-22:00*
WKUE	ak	100	....	Griffin, Ga.	C—7:00-17:00*
WMBQ	ae	100	1	Brooklyn, N. Y.	E—9:00-11:00; 18-20; T to 24
WMEX	ak	100	(.25)	Boston, Mass.	E—.....
WNBF	ae	100	C	Binghamton, N. Y.	E—7:00-22:00*
WOPI	ae	100	....	Bristol, Tenn.	E—7:00-21:30
WRDW	ak	100	....	Augusta, Ga.	E—8:00-21:00*
WRGA	ak	100	(.25)	Rome, Ga.	C—7:00-10:00; 12-15; 18-21*
WSYB	ak	100	....	Rutland, Vt.	E—10:00-13; 17-21*
WTMV	ak	100	....	East St. Louis, Ill.	C—6:00-22:00; M T W to 23
WWRL	ak	100	1 (.25)	Woodside, N. Y.	E—8-9; 11-12; 18-20; M Th & F to 00:30
WWSW	ae	100	(.25)	Pittsburgh, Pa.	E—8:00-24:00*
.....	z	100	P	Valley City, N. Dak.	C—.....

**1510 kilocycles (198.6)**

CFRC	ak	100	....	Kingston, Ont.	E—Irregular
CKCR	ak	100	....	Waterloo, Ont.	E—8:00-14:00; 17:00-24:00*

1530 kilocycles (196.0)

W1XBS z 1000 ..... Waterbury, Conn. E—  
 W9XBY ak 1000 ..... Kansas City, Mo. C—7:00-2:00\*

1550 kilocycles (193.4)

W2XR z 1000 ..... Long Isl. City, N. Y. E—  
 W6XAI ak 1000 ..... Bakersfield, Calif. P—12:00-23:00\*

KEY TO SYMBOLS

As Shown in the index by Frequencies and Dial Numbers

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

- Second Column Symbols**
- a Verifies reception for return postage.
  - b Verifies only occasionally.
  - c Does not verify.
  - d Verification 10c; letter 25c.
  - e Sends Ekko stamp for 10c.
  - f Sends Ekko stamp for 5c.
  - g Sends Ekko stamp for postage.
  - h Sends own station stamp for 10c.
  - i Sends own station stamp for 5c.
  - j Sends own station stamp for postage.

- k Has no stamps.
- m Verifies for 5c.
- n Weather or time only.
- z No information available.

**Fourth Column Symbols**

- B National "Blue" network.
- C Columbia network.
- D Day time only.
- Du Day time with occasional evening hours.
- F Canadian Radio Brdestg. Commission.
- N National "Red" and "Blue"

- networks.
- P Has construction permit only.
- R National "Red" network.
- S Sunday only.
- Sy Synchronized.
- X Has permit to increase 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.
- ..... No information.

Time on the Air

\*Asterisk indicates that the hours are the same for the other week days.

The time is given in accordance with the "24-hour clock." Noon is always 12:00, but midnight may be either 0:00 or 24:00. To change to time of your own clock, subtract twelve. Thus, 18:00-24:00 is 6:00 p. m. to midnight. 23:00-0:30 is 11:00 p. m. to 12:30 a. m. A signifies Atlantic Standard Time (AST). E is Eastern Standard Time (EST). C is Central Standard Time (CST). P is Pacific Standard Time (PST). L is Local Standard Time (LST).

NORTH AMERICAN B. C. STATIONS BY LOCATIONS

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

ALABAMA	Juneau	ARKANSAS	CALIFORNIA
<b>Birmingham</b>	KINY 1310 100	<b>Blytheville</b>	<b>Bakersfield</b>
WAPI 1140 5000 N	Ketchikan	KLCN 1290 100	KERN 1370 100 C
WBRC 930 1000 C	KGBU 900 500	El Dorado	W6XAI 1550 1000
WSGN 1310 100	<b>ARIZONA</b>	KELD 1370 100	<b>Berkeley</b>
<b>Decatur</b>	<b>Jerome</b>	Fayetteville	KRE 1370 100
WMFO 1370 100	KCRJ 1310 100	KUOA 1260 1000	<b>Beverly Hills</b>
<b>Dothan</b>	Lowell	Fort Smith	KMPC 710 500
WAGF 1370 100	KSUN 1200 100	KFPW 1210 100	<b>Burbank</b>
<b>Gadsden</b>	Phoenix	Hot Springs	KTLW 780 500
WJBY 1210 100	KOY 1390 500	KTHS 1060 10000 N	<b>Chico</b>
<b>Mobile</b>	KTAR 620 1000 N	Jonesboro	KHSL 950 250
WALA 1380 500 C	Prescott	KBTM 1200 100	<b>Del Monte</b>
<b>Montgomery</b>	KPJM 1500 100	Little Rock	KDON 1210 100
WSFA 1410 500 C	Tucson	KARK 890 250	<b>El Centro</b>
<b>Selma</b>	KGAR 1370 100	KGHI 1200 100	KXO 1500 100
WHBB 1500 100	KVOA 1260 500	KLRA 1390 1000 C	<b>Eureka</b>
<b>Sheffield</b>	Yuma	Pine Bluff	KIEM 1450 500
WNRA 1420 100	KUMA 1420 100	KOTN 1500 100	<b>Fresno</b>
<b>ALASKA</b>		Texarkana	KMJ 580 1000 C
<b>Anchorage</b>		KCMC 1420 100	<b>Glendale</b>
KFQD 780 250			KIEV 850 100

# NORTH AMERICAN B. C. STATIONS BY LOCATIONS

<b>Hollywood</b>		
KFWB	950	1000
KMTR	570	1000
KNX	1050	50000
<b>Long Beach</b>		
KFOK	1250	1000
KGER	1360	1000
<b>Los Angeles</b>		
KECA	1430	1000 N
KEHE	780	500
KFAC	1300	1000
KFI	640	50000 N
KFSG	1120	500
KFVD	1000	250
KGFJ	1200	100
KHJ	900	1000 C
KRKD	1120	500
<b>Modesto</b>		
KTRB	740	250
<b>Oakland</b>		
KLS	1440	250
KLX	880	1000
KKOW	930	1000
<b>Pasadena</b>		
KPPC	1210	50
<b>Sacramento</b>		
KFBK	1490	5000 C
<b>San Bernardino</b>		
KFXM	1210	100
<b>San Diego</b>		
KFSD	600	1000 N
KGB	1330	1000 C
	1200	100
<b>San Francisco</b>		
KFRK	610	1000 C
KGGC	1420	100
KGO	790	7500 N
KJBS	1070	500
KPO	680	5000 N
KSFO	560	1000
KYA	1230	1000 N
<b>San Jose</b>		
KQW	1010	1000
<b>Santa Ana</b>		
KREG	1500	100
<b>Santa Barbara</b>		
KDB	1500	100 C
<b>Stockton</b>		
KGDM	1100	1000
KWG	1200	100 C
<b>COLORADO</b>		
<b>Alamosa</b>		
KGIW	1420	100
<b>Colorado Springs</b>		
KVOR	1270	1000 C
<b>Denver</b>		
KFEL	920	500
KLZ	560	1000 C
KOA	830	50000 N
KPOF	880	500
KVOD	920	500
<b>Durango</b>		
KIUP	1370	100
<b>Grand Junction</b>		
KFXJ	1200	100
<b>Greeley</b>		
KFKA	880	500
<b>Lamar</b>		
KIDW	1420	100
<b>Pueblo</b>		
KGFH	1320	500
<b>Sterling</b>		
KGEK	1200	100
<b>CONNECTICUT</b>		
<b>Bridgeport</b>		
WICC	600	500 C

<b>Hartford</b>		
WDRG	1330	1000 C
WTIC	1040	50000 R
<b>New Britain</b>		
WNBC	1380	250
<b>New Haven</b>		
WELI	900	500
<b>Storrs</b>		
WCAC	600	500
<b>Waterbury</b>		
WATR	1190	100
WIXBS	1530	1000
<b>DELAWARE</b>		
<b>Wilmington</b>		
WDEL	1120	250
WILM	1420	100
<b>DISTRICT OF COLUMBIA</b>		
<b>Washington</b>		
WISV	1460	10000 C
WMAL	630	250 B
WOL	1310	100
WRC	950	500 R
<b>FLORIDA</b>		
<b>Clearwater</b>		
WFLA	620	1000 N
<b>Daytona Beach</b>		
WMEF	1420	100
<b>Gainesville</b>		
WRUF	830	5000
<b>Jacksonville</b>		
WJAX	900	1000 N
WMBR	1370	100 C
<b>Miami</b>		
WIOD	1300	1000 N
WQAM	560	1000 C
<b>Orlando</b>		
WDBO	580	1000 C
<b>Pensacola</b>		
WCOA	1340	500 C
<b>St. Petersburg</b>		
WSUN	620	1000 N
<b>Tallahassee</b>		
WTAL	1310	100
<b>Tampa</b>		
WDAE	1220	1000 C
<b>GEORGIA</b>		
<b>Albany</b>		
WGPC	1420	100
<b>Athens</b>		
WTFI	1450	500
<b>Atlanta</b>		
WGST	890	500 C
WJTL	1370	100
WSB	740	50000 N
<b>Augusta</b>		
WRDW	1500	100
<b>Columbus</b>		
WRBL	1200	100
<b>Griffin</b>		
WKUO	1500	100
<b>Macon</b>		
WMAZ	1180	1000
<b>Rome</b>		
WRGA	1500	100
<b>Savannah</b>		
WTOC	1260	1000 C
<b>Thomasville</b>		
WPAX	1210	250

<b>HAWAII</b>		
<b>Hilo</b>		
KHBC	1420	100
<b>Honolulu</b>		
KGMB	1320	1000 C
KGU	750	2500 N
<b>IDAHO</b>		
<b>Boise</b>		
KIDO	1350	1000
<b>Idaho Falls</b>		
KID	1320	250
<b>Lewiston</b>		
KRLC	1420	100
<b>Nampa</b>		
KFPD	1200	100
<b>Pocatello</b>		
KSEI	900	250
<b>Twin Falls</b>		
KTFI	1240	1000
<b>ILLINOIS</b>		
<b>Bloomington</b>		
WJBC	1200	100
<b>Carthage</b>		
WCAZ	1070	100
<b>Chicago</b>		
WAAF	920	1000
WBBM	770	50000 C
WCFL	970	5000 B
WCRV	1210	100
WEDC	1210	100
WENR	870	50000 N
WGES	1360	500
WGN	720	50000
WJLD	1130	20000
WLS	870	50000 N
WMAQ	670	50000 N
WMBI	1080	5000
WWSB	1210	100
<b>Cicero</b>		
WEIS	1420	100
WIIFC	1420	100
WKBI	1420	100
<b>Decatur</b>		
WJBL	1200	100
<b>East Dubuque</b>		
WKBB	1500	100
<b>East St. Louis</b>		
WTMV	1500	100
<b>Harrisburg</b>		
WBOB	1210	100
<b>Joliet</b>		
WCLS	1310	100
<b>Peoria</b>		
WMBD	1440	500 C
<b>Quincy</b>		
WTAD	900	500
<b>Rockford</b>		
WROK	1410	500
<b>Rock Island</b>		
WIBF	1210	100
<b>Springfield</b>		
WCBS	1420	100
WTAX	1210	100
<b>Tuscola</b>		
WDZ	1070	100
<b>Urbana</b>		
WILL	890	250
<b>Waukegan</b>		
WCBF	1080	5000
<b>INDIANA</b>		
<b>Anderson</b>		
WIIBU	1210	100

<b>Elkhart</b>		
WTRC	1310	100
<b>Evansville</b>		
WGBF	630	500
	1370	100
<b>Fort Wayne</b>		
WGL	1370	100 C
WOWO	1160	10000 C
<b>Gary</b>		
WIND	560	1000
<b>Hammond</b>		
WVAE	1200	100
<b>Indianapolis</b>		
WFBM	1230	1000 C
WIRE	1400	500 R
<b>Muncie</b>		
WLBC	1310	100
<b>Richmond</b>		
WKBB	1500	100
<b>South Bend</b>		
WFAM	1200	100
WSBT	1360	500 C
<b>Terre Haute</b>		
WBOW	1310	100
<b>West Lafayette</b>		
WBAA	890	1000
<b>IOWA</b>		
<b>Ames</b>		
WOI	640	5000
<b>Boone</b>		
KFGQ	1370	100
<b>Cedar Rapids</b>		
WMT	600	1000 B
<b>Council Bluffs</b>		
KOIL	1260	1000 B
<b>Davenport</b>		
WOC	1370	100 C
<b>Decorah</b>		
KGCA	1270	100
KLWC	1270	100
<b>Des Moines</b>		
KRNT	1320	500 C
KSO	1430	500 B
WHO	1000	50000 R
<b>Iowa City</b>		
WSUI	880	500
<b>Marshalltown</b>		
KFJB	1200	100
<b>Shenandoah</b>		
KFNF	890	500
KMA	930	1000
<b>Sioux City</b>		
KSCJ	1330	1000 C
<b>KANSAS</b>		
<b>Abilene</b>		
KFBI	1050	5000
<b>Coffeyville</b>		
KGGF	1010	1000
<b>Dodge City</b>		
KGNO	1340	250
<b>Garden City</b>		
KIUL	1210	100
<b>Hutchinson</b>		
KWBG	1420	100
<b>Kansas City</b>		
WLBK	1420	100
<b>Lawrence</b>		
KPKU	1220	1000
WREN	1220	1000 B
<b>Manhattan</b>		
KSAC	580	500
<b>Topeka</b>		
TWBW	580	1000 C
<b>Wichita</b>		
KFH	1300	1000 C

## NORTH AMERICAN B. C. STATIONS BY LOCATIONS

KENTUCKY	New Bedford	Kosciusko	NEW HAMPSHIRE
Ashland	WNBH 1310 100 C	WHEF 1500 100	Laconia
WCMI 1310 100	Springfield	Laurel	WLNI 1310 100
Covington	WBZA 990 1000 B	WAML 1310 100	Manchester
WKY 1490 5000 B	WMAS 1420 100 C	Meridian	WFEA 1340 500 C
Lexington	Worcester	WCOC 880 500	Portsmouth
WLAP 1420 100	WORC 1280 500 C	Vicksburg	WHEB 740 250
Louisville	WTAG 580 500 R	WQBC 1360 1000	
WAVE 940 1000 N			NEW JERSEY
WHAS 820 50000 C	MICHIGAN		Asbury Park
Paducah	Battle Creek	MISSOURI	WCAP 1280 500
WPAD 1420 100	WELL 1420 100	Cape Girardeau	Atlantic City
	Bay City	KFVS 1210 100	WPG 1100 5000 C
LOUISIANA	WBCM 1410 500	Columbia	Camden
Alexandria	Calumet	KFRU 630 500	WCAM 1280 500
KALB 1420 100	WHDF 1370 100	Jefferson City	Jersey City
Baton Rouge	Detroit	WOS 630 500	WAAT 940 500
WJBO 1420 100	WJBK 1500 100	Joplin	WIOM 1450 250
Lafayette	WJR 750 50000 C	WMBH 1420 100	Newark
KVOL 1310 100	WMBC 1420 100	KMBC 950 1000 C	WHBI 1250 1000
Lake Charles	WWJ 920 1000 R	KWKC 1370 100	WNEW 1250 1000
KPLG 1500 100	WX YZ 1240 1000 B	WDAF 610 1000 R	WOR 710 50000
Monroe	East Lansing	WHB 860 1000	Red Bank
KMLB 1200 100	WKAR 1040 1000	W9XB 1530 1000	WBRB 1210 100
New Orleans	Flint	St. Joseph	Tronton
WBNO 1200 100	WFDF 1310 100	KFEQ 680 2500	WTNJ 1280 500
WDSU 1250 1000	Grand Rapids	St. Louis	Zarephath
WJBW 1200 100	WASH 1270 500 N	KFVO 550 500	WAWZ 1350 500
WSMB 1320 500 N	WOOD 1270 500 N	KMOX 1090 50000 C	
WWL 850 10000 C	Ironwood	KSD 550 1000 R	NEW MEXICO
Shreveport	WJMS 1420 100	KWK 1350 1000 B	Albuquerque
KRMD 1310 100	Jackson	WEW 760 1000	KGGM 1230 250
KTBS 1450 1000 N	WIBM 1370 100	WIL 1200 100	KOB 1180 10000
KWEA 1210 100	Kalamazoo	Springfield	Clovis
KWKH 1100 10000 C	WKZO 590 1000	KGBX 1230 500	KICA 1370 100
	Lansing	KWTO 560 5000	Roswell
MAINE	WJIM 1210 100		KGFL 1370 100
Augusta	Lapeer	MONTANA	Santa Fe
WRDO 1370 100	WMPC 1200 100	Billings	KIUJ 1310 100
Bangor	Marquette	KGHL 780 1000 N	
WABI 1200 100	WBOE 1310 100	Butte	NEW YORK
WLBZ 620 500 C	Muskegon	KGIR 1340 1000 N	Albany
Portland	WKBZ 1500 100	Great Falls	WABY 1370 100
WCSH 940 1000 R	Royal Oak	KFBF 1280 1000	WOKO 1430 500 C
Presque Isle	WEXL 1310 50	Kallispell	Auburn
WAGM 1420 100		KGEZ 1310 100	WMBO 1310 100
	MINNESOTA	Missoula	Binghamton
MARYLAND	Fergus Falls	KGVO 1260 1000	WNBF 1500 100
Baltimore	KGDE 1200 100	Wolf Point	Brooklyn
WBAL 1060 10000 B	Hibbing	KGCX 1310 100	WARD 1400 500
WCAO 600 500 C	WMFG 1210 100		WBBC 1400 500
WCBM 1370 100	Minneapolis	NEBRASKA	WBWR 1300 1000
WFBR 1270 500 R	WCCO 810 50000 C	Clay Center	WCNW 1500 100
Cumberland	WDGY 1180 1000	KMMJ 740 1000	WLTH 1400 500
WTBO 800 250	WLB 1250 1000	Kearney	WMBQ 1500 100
Frederick	WTCN 1250 1000	KGFW 1310 100	WVFW 1400 500
WFMD 900 500	Moorhead	Lincoln	Buffalo
Hagerstown	KUFFK 1500 100	KFAB 770 10000 C	WBEN 900 1000 R
WJEJ 1210 100	Northfield	KFOR 1210 100 C	WEBR 1310 100
	WAL 1250 1000	Norfolk	WGR 550 1000 C
MASSACHUSETTS	Rochester	WJAG 1060 1000	WKBW 1480 5000 C
Babson Park	KROC 1310 100	North Platte	WWSV 1370 50
WBSO 920 500	St. Paul	KGNE 1430 1000	WBNY 1370 100
Boston	KSTP 1460 25000 N	Omaha	Canton
WAAB 1410 500 C	Virginia	WAAW 660 500	WCAD 1220 500
WBZ 990 50000 B	..... 1370 100	WOW 590 1000 R	Chester
WCOP 1120 500	MISSISSIPPI	Scottsbluff	WGNY 1210 100
WEEL 590 1000 R	Clarksdale	KGKY 1500 100	Elmira
WHDH 830 1000	WMFN 1210 100	York	WESG 850 1000 C
WMEX 1500 100	Gulfport	KGBZ 930 1000	Freeport
WNAC 1230 1000 C	WGMG 1210 100		WGBB 1210 100
Fall River	Hattiesburg	NEVADA	Jamestown
WSAR 1450 250	WFPB 1370 100	Reno	WOCL 1210 50
Lowell	Jackson	KOH 1380 500 C	Long Island City
WLLH 1370 100	WJDX 1270 1000 N		W2XR 1550 1000



# NORTH AMERICAN B. C. STATIONS BY LOCATIONS

<b>New York</b>		
WABC	860	50000 C
WBNX	1350	250
WBOQ	860	50000
WEAF	660	50000 R
WEVD	1300	1000
WFAB	1300	1000
WHN	1010	1000
WINS	1180	1000
WJZ	760	50000 B
WLWL	1100	5000
WMLA	570	500
WNYC	810	1000
WOV	1130	1000
<b>Olean</b>		
WHDL	1420	100
<b>Plattsburg</b>		
WMFF	1310	100
<b>Rochester</b>		
WHAM	1150	50000 B
WHEC	1430	500 C
WSAY	1210	100
<b>Saranac Lake</b>		
WNBS	1290	100
<b>Schenectady</b>		
WGY	790	50000R
<b>Syracuse</b>		
WFBL	1360	1000 C
WSYR	570	250 B
<b>Troy</b>		
WHAZ	1300	500
<b>Utica</b>		
WIBX	1200	100 C
<b>White Plains</b>		
WFAS	1210	100
<b>Woodside</b>		
WWRL	1500	100

<b>NORTH CAROLINA</b>		
<b>Ashville</b>		
WWNC	570	1000 N
<b>Charlotte</b>		
WBT	1080	50000 C
WSOC	1210	100 N
<b>Durham</b>		
WDNC	1500	100 C
<b>Gastonia</b>		
WJBR	1420	100
<b>Greensboro</b>		
WBIG	1440	500 C
<b>High Point</b>		
WMFR	1200	100
<b>Raleigh</b>		
WPTF	680	5000 N
<b>Rocky Mount</b>		
WEED	1420	100
<b>Wilmington</b>		
WMFD	1370	100
<b>Winston-Salem</b>		
WSJS	1310	100 C

<b>NORTH DAKOTA</b>		
<b>Bismarck</b>		
KFYR	550	1000 N
<b>Devils Lake</b>		
KDLR	1210	100
<b>Fargo</b>		
WDAY	940	1000 N
<b>Grand Forks</b>		
KFJM	1370	100
<b>Mandan</b>		
KGCU	1240	250
<b>Minot</b>		
KLPM	1240	250
<b>Valley City</b>		
.....	1500	100

<b>OHIO</b>		
<b>Akron</b>		
WADC	1320	1000 C
WJW	1210	100
<b>Canton</b>		
WHBC	1200	100
<b>Cincinnati</b>		
WCPO	1200	100
WKRC	550	1000 C
WLW	700	500000 N
WSAI	1330	1000 R
<b>Cleveland</b>		
WGAR	1450	500 B
WHK	1390	1000 C
WJAY	610	500
WTAM	1070	50000 R
<b>Columbus</b>		
WAIU	640	500
WBNS	1430	500 C
WCOL	1210	100
WOSU	570	750
<b>Dayton</b>		
WHIO	1260	1000 R
WSMK	1380	200 C
<b>Portsmouth</b>		
WPAY	1370	100
<b>Toledo</b>		
WSPD	1340	1000 C
<b>Youngstown</b>		
WKBN	570	500 C
<b>Zanesville</b>		
WALR	1210	100

<b>OKLAHOMA</b>		
<b>Ada</b>		
KADA	1210	100
<b>Ardmore</b>		
KVSO	1200	100
<b>Elk City</b>		
KASA	1210	100
<b>Enid</b>		
KCRC	1360	250
<b>Norman</b>		
WNAD	1010	1000
<b>Oklahoma City</b>		
KFXR	1310	100
KGFG	1370	100
KOMA	1480	5000 C
WKY	900	1000 N
<b>Ponca City</b>		
WBBZ	1200	100
<b>Shawnee</b>		
KGFF	1420	100
<b>Tulsa</b>		
KTUL	1400	500 C
KVOO	1140	25000 N

<b>OREGON</b>		
<b>Astoria</b>		
KAST	1370	100
<b>Corvallis</b>		
KOAC	550	1000
<b>Eugene</b>		
KORE	1420	100
<b>Klamath Falls</b>		
KFJI	1210	100
<b>Marshfield</b>		
KOOS	1390	250
<b>Medford</b>		
KMED	1310	100
<b>Portland</b>		
KALE	1300	500 C
KBPS	1420	100
KEX	1180	5000 N
KFJR	1300	500
KGW	620	1000 N

KOIN	940	1000 C
KWJJ	1040	500
KXL	1420	100
<b>Roseburg</b>		
KRNR	1500	100
<b>Salem</b>		
KSLM	1370	100

<b>PENNSYLVANIA</b>		
<b>Allentown</b>		
WCBA	1440	500
WSAN	1440	500
<b>Altoona</b>		
WFBG	1310	100
<b>Erie</b>		
WLEU	1420	100
<b>Glenside</b>		
WIBG	970	100
<b>Greensburg</b>		
WHJB	620	250
<b>Grove City</b>		
WSAJ	1310	100
<b>Harrisburg</b>		
WHIP	1430	500 C
WKBO	1200	100
<b>Hazleton</b>		
WAZL	1420	100
<b>Johnstown</b>		
WJAC	1310	100
<b>Lancaster</b>		
WGAL	1500	100
WKJC	1200	100
<b>Philadelphia</b>		
KYW	1020	10000 R
WCAU	1170	50000 C
WDAS	1370	100
WFIL	560	1000 B
WHAT	1310	100
WIP	610	1000
WPEN	920	250
WRAX	920	250
WTLE	1310	100
<b>Pittsburgh</b>		
KDKA	980	50000 B
KQV	1380	500
WCAE	1220	1000 R
WJAS	1290	1000 C
WWSW	1500	100
<b>Reading</b>		
WEEU	830	1000
WRAW	1310	100
<b>Scranton</b>		
WGBI	880	500
WQAN	880	250
<b>Sunbury</b>		
WKOK	1210	100
<b>Wilkes-Barre</b>		
WBAX	1210	100
WBRE	1310	100
<b>Williamsport</b>		
WRAC	1370	100
<b>York</b>		
WORK	1320	1000

<b>PUERTO RICO</b>		
<b>Ponce</b>		
WPRP	1420	100
<b>San Juan</b>		
WKAQ	1240	1000
WNEL	1290	500

<b>RHODE ISLAND</b>		
<b>Newport</b>		
WNRI	1200	100
<b>Providence</b>		
WEAN	780	500 C

WJAR	890	500 R
WPRO	630	250

<b>SOUTH CAROLINA</b>		
<b>Anderson</b>		
WAIM	1200	100
<b>Charleston</b>		
WCSC	1360	500
<b>Columbia</b>		
WIS	1010	500 N
<b>Greenville</b>		
WFBC	1300	1000
<b>Spartanburg</b>		
WSPA	920	1000
WVC	1420	1000

<b>SOUTH DAKOTA</b>		
<b>Aberdeen</b>		
KABR	1420	100
<b>Brookings</b>		
KFDY	780	1000
<b>Huron</b>		
KGDY	1340	250
<b>Pierre</b>		
KGFX	630	200
<b>Rapid City</b>		
WCAT	1200	100
<b>Sioux Falls</b>		
KSOO	1110	2500
<b>Vermillion</b>		
KUSD	890	500
<b>Watertown</b>		
KWTN	1210	100
<b>Yankton</b>		
WNAX	570	1000 C

<b>TENNESSEE</b>		
<b>Bristol</b>		
WOPJ	1500	100
<b>Chattanooga</b>		
WDOD	1280	1000 C
<b>Jackson</b>		
WTJS	1310	100
<b>Knoxville</b>		
WNOX	560	1000 C
WROL	1310	100
<b>Memphis</b>		
WHBO	1370	100
WMC	780	1000 N
WNBR	1430	500
WREC	600	1000 C
<b>Nashville</b>		
WLAC	1470	5000 C
WSM	650	50000 N
<b>Springfield</b>		
WSIX	1210	100

<b>TEXAS</b>		
<b>Amarillo</b>		
KGNC	1410	1000
<b>Austin</b>		
KNOW	1500	100
<b>Beaumont</b>		
KFDM	560	500
<b>Brady</b>		
KNEL	1500	100
<b>College Station</b>		
WTAW	1120	500
<b>Corpus Christi</b>		
KGFI	1500	100
<b>Dallas</b>		
KRLD	1040	10000 C
WFAA	800	50000 N
WRR	1280	500
<b>Dublin</b>		
KFPL	1310	100

## NORTH AMERICAN B. C. STATIONS BY LOCATIONS

<p><b>El Paso</b> KTSM 1310 100 WDAL 1310 100</p> <p><b>Fort Worth</b> KFJZ 1370 100 KTAT 1240 1000 WBAP 800 50000 N</p> <p><b>Galveston</b> KLUF 1370 100</p> <p><b>Houston</b> KPRC 920 1000 N KTRH 1290 1000 C KXYZ 1440 1000</p> <p><b>Longview</b> KFRO 1370 100</p> <p><b>Lubbock</b> KFYO 1310 100</p> <p><b>Midland</b> KRLH 1420 100</p> <p><b>Palestine</b> KNET 1420 100</p> <p><b>Pecos</b> KIUN 1420 100</p> <p><b>Port Arthur</b> KPAC 1260 500</p> <p><b>San Angelo</b> KGKL 1370 100</p> <p><b>San Antonio</b> KABC 1420 100 KMAC 1370 100 KONO 1370 100 K TSA 550 1000 C WOAI 1190 50000 N</p> <p><b>Tyler</b> KGKB 1500 100</p> <p><b>Waco</b> WACO 1420 100 C</p> <p><b>Weslaco</b> KRGV 1260 500</p> <p><b>Wichita Falls</b> KGKO 570 250 C</p>	<p><b>Petersburg</b> WPHR 880 500</p> <p><b>Richmond</b> WBBL 1210 100 WMBG 1210 100 C WRVA 1110 5000 N</p> <p><b>Roanoke</b> WDBJ 930 1000 C</p> <p style="text-align: center;"><b>WASHINGTON</b></p> <p><b>Aberdeen</b> KXRO 1310 100</p> <p><b>Bellingham</b> KVOS 1200 100</p> <p><b>Everett</b> KRKO 1370 50</p> <p><b>Olympia</b> KGY 1210 100</p> <p><b>Pullman</b> KWSC 1220 1000</p> <p><b>Seattle</b> KIRO 710 500 KJR 970 5000 N KOL 1270 1000 C KOMO 920 1000 N KRSC 1120 100 KTW 1220 1000 KVL 1370 100 KXA 760 250</p> <p><b>Spokane</b> KFIO 1120 100 KFPY 890 1000 C KGA 1470 5000 N KHQ 590 1000 N</p> <p><b>Tacoma</b> KMO 1330 250 KVI 570 1000 C</p> <p><b>Walla Walla</b> KUJ 1370 100</p> <p><b>Wenatchee</b> KPO 1500 100</p> <p><b>Yakima</b> KIT 1310 100</p>	<p><b>WISN</b> 1120 250 C <b>WTMJ</b> 620 1000 N</p> <p><b>Poyette</b> WIBU 1210 100</p> <p><b>Racine</b> WRJN 1370 100</p> <p><b>Sheboygan</b> WHBL 1410 500</p> <p><b>Stevens Point</b> WLBL 900 2500</p> <p><b>Superior</b> WEBC 1290 1000 N</p> <p style="text-align: center;"><b>WYOMING</b></p> <p><b>Casper</b> KDFN 1440 500</p> <p><b>Sheridan</b> KWYO 1370 100</p> <p style="text-align: center;"><b>CANADA</b></p> <p style="text-align: center;"><b>ALBERTA</b></p> <p><b>Calgary</b> CFAC 930 100 F CFCN 1030 10000 CJ CJ 690 100 F</p> <p><b>Edmonton</b> CFRN 1260 100 F CJCA 730 1000 F CKUA 580 500</p> <p><b>Lethbridge</b> CJOC 1230 100 F</p> <p style="text-align: center;"><b>BRITISH COLUMBIA</b></p> <p><b>Chilliwack</b> CHWK 780 100 F</p> <p><b>Kamloops</b> CFJC 880 100 F</p> <p><b>Kelowna</b> CKOV 630 100 F</p> <p><b>Prince Rupert</b> CFPR 580 50</p> <p><b>Trail</b> CJAT 910 250 F</p> <p><b>Vancouver</b> CJOR 600 500 CKCD 1010 100 CKFC 1410 50 CKMO 1410 100 F CKWX 1010 100 F CRCV 1100 500 F</p> <p><b>Victoria</b> CFCT 1450 75</p> <p style="text-align: center;"><b>MANITOBA</b></p> <p><b>Brandon</b> CKX 1120 100 F</p> <p><b>Winnipeg</b> CJRC 1390 100 F CKY 960 15000 F</p> <p style="text-align: center;"><b>NEW BRUNSWICK</b></p> <p><b>Fredericton</b> CFNB 550 500 F</p> <p><b>Moncton</b> CKCW 1370 100 F</p> <p><b>St. John</b> CHSJ 1120 500 F</p> <p style="text-align: center;"><b>N. W. TERRITORY</b></p> <p><b>Aklavik</b> CJCU 1210 50</p>	<p style="text-align: center;"><b>NOVA SCOTIA</b></p> <p><b>Glace Bay</b> VAS 685 2000</p> <p><b>Halifax</b> CHNS 930 1000 F</p> <p><b>Sydney</b> CJCB 1240 1000 F</p> <p><b>Wolfville</b> CKIC 1010 50</p> <p><b>Yarmouth</b> CJLS 1310 100</p> <p style="text-align: center;"><b>ONTARIO</b></p> <p><b>Brantford</b> CKPC 930 100 F</p> <p><b>Chatham</b> CFCO 630 100 F</p> <p><b>Cobalt</b> CKMC 1210 50</p> <p><b>Fort William</b> CKPR 930 100 F</p> <p><b>Hamilton</b> CHML 1010 100 F CKOC 1120 500 F</p> <p><b>Kingston</b> CFRC 1510 100</p> <p><b>Kirkland Lake</b> CJKL 530 1000</p> <p><b>London</b> CFPL 730 100 F</p> <p><b>North Bay</b> CFCH 930 100 F</p> <p><b>Ottawa</b> CKCO 1010 100 F CRCO 880 1000 F</p> <p><b>Prescott</b> CFLC 930 100</p> <p><b>St. Catharines</b> CKTB 1200 100 F</p> <p><b>Sault Ste. Marie</b> CJJC 1500 100</p> <p><b>Stratford</b> CJCS 1210 50</p> <p><b>Sudbury</b> CKSO 780 1000 F</p> <p><b>Timmins</b> CKGB 1420 100</p> <p><b>Toronto</b> CFRB 690 10000 C CKCL 580 100 F CRCT 840 5000 N</p> <p><b>Waterloo</b> CKCR 1510 100</p> <p><b>Windsor</b> CKLW 1030 5000 CRCW 600 500 F</p> <p><b>Wingham</b> CKNX 1200 50</p> <p style="text-align: center;"><b>PRINCE EDWARD ISLAND</b></p> <p><b>Charlottetown</b> CFCY 630 1000 F CHCK 1310 50</p> <p><b>Summerside</b> CHGS 1450 50 F</p> <p style="text-align: center;"><b>QUEBEC</b></p> <p><b>Chicoutimi</b> CRCS 950 100 F</p> <p><b>Hull</b> CKKH 1210 100 F</p> <p><b>Montmagny</b> VE9EK 1185 10</p>
<p style="text-align: center;"><b>UTAH</b></p> <p><b>Ogden</b> KLO 1400 500</p> <p><b>Salt Lake City</b> KDYL 1290 1000 N KSL 1130 50000 C</p> <p style="text-align: center;"><b>VERMONT</b></p> <p><b>Burlington</b> WGAX 1200 100</p> <p><b>Rutland</b> WSYB 1500 100</p> <p><b>St. Albans</b> WQDM 1370 100</p> <p><b>Springfield</b> WNBX 1260 1000</p> <p><b>Waterbury</b> WDEV 550 500</p> <p style="text-align: center;"><b>VIRGINIA</b></p> <p><b>Arlington</b> NAA 690 1000</p> <p><b>Charlottesville</b> WEHC 1420 100</p> <p><b>Danville</b> WBTM 1370 100</p> <p><b>Harrisonburg</b> WSVA 550 500</p> <p><b>Lynchburg</b> WLVA 1200 100</p> <p><b>Newport News</b> WGH 1310 100</p> <p><b>Norfolk</b> WTAR 780 500 N</p>	<p style="text-align: center;"><b>WEST VIRGINIA</b></p> <p><b>Bluefield</b> WHHS 1410 250</p> <p><b>Charleston</b> WCHS 580 500</p> <p><b>Fairmont</b> WMMN 890 500 C</p> <p><b>Huntington</b> WSAZ 1190 1000</p> <p><b>Parkersburg</b> WPAR 1420 100</p> <p><b>Wheeling</b> WVVA 1160 5000 C</p> <p style="text-align: center;"><b>WISCONSIN</b></p> <p><b>Eau Claire</b> WTAQ 1330 1000</p> <p><b>Fond du Lac</b> KFIZ 1420 100</p> <p><b>Green Bay</b> WHBY 1200 100</p> <p><b>Janesville</b> WGLD 1200 100</p> <p><b>LaCrosse</b> WKBH 1380 1000</p> <p><b>Madison</b> WHA 940 1000 WIBA 1280 1000 N</p> <p><b>Manitowoc</b> WOMT 1210 100</p> <p><b>Milwaukee</b> WEMP 1310 100</p>		

# NORTH AMERICAN B. C. STATIONS BY LOCATIONS

<b>Montreal</b>		
CFCP	600	400 N
CHLP	1120	100 F
CKAC	730	5000 C
CRGM	910	5000 F
<b>New Carlisle</b>		
CHNC	1410	500 F
<b>Quebec</b>		
CHRC	580	100 F
CKCV	1310	100 F
CKCK	1010	1000 F

<b>SASKATCHEWAN</b>		
<b>Moose Jaw</b>		
CIAB	1200	100 F
CJRM	540	1000 F
<b>Prince Albert</b>		
CKBI	1210	100 F
<b>Regina</b>		
CHWC	1010	500 F
CKCK	1010	500 F
<b>Saskatoon</b>		
CFQC	840	1000 F
<b>Yorkton</b>		
CJGX	630	500 F

<b>NEWFOUNDLAND</b>		
<b>St. John's</b>		
VOAC	1065	40
VOAS	940	100
VOGY	840	400
VONF	1195	500
VOWR	681	500

<b>MIQUELON</b>		
<b>St. Pierre</b>		
FQN	609	250

<b>CENTRAL AMERICA</b>		
<b>COSTA RICA</b>		
<b>Cartago</b>		
TIFS	1441	7.5
TIGA	1014	30
<b>San Jose</b>		
TIEP	850	500
TIFA	1050	75
TIGH	1000	500
TIRH	930	50

<b>GUATEMALA</b>		
<b>Guatemala City</b>		
TGW	1210	10000
TGX	1400	250

<b>HONDURAS</b>		
<b>Tegucigalpa</b>		
HRN	1270	100

<b>NICARAGUA</b>		
<b>Managua</b>		
YNLF	1275	20
YNOP	1230	100
YNVA	950	30

<b>PANAMA</b>		
<b>Colon</b>		
HP50	1440	25

<b>EL SALVADOR</b>		
<b>San Salvador</b>		
RDN	680	500

<b>MEXICO</b>		
<b>AGUASCALIENTES</b>		
<b>Aguascalientes</b>		
XFA	1310	5
XFC	810	350

<b>CHIHUAHUA</b>		
<b>Chihuahua</b>		
XEFI	1440	250
<b>Juarez</b>		
XEFV	1210	100
XEJ	1020	1000

<b>COAHUILA</b>		
<b>Piedras Negras</b>		
XELO	1110	10000
XEPN	590	50000
<b>Saltillo</b>		
XEAS	1160	100
XEOX	640	500
<b>Torreón</b>		
XETB	1310	125

<b>D. F.</b>		
<b>Mexico City</b>		
XEAI	1240	100
XEB	1030	10000
XECW	1310	10
XEFA	1180	500
XEFO	940	5000
XEFZ	1370	100
XEK	990	100
XEL	1100	250
XEMX	1280	12
XEN	710	1000
XEP	840	500
XETW	820	500
XEW	890	50000
XEWZ	1150	100
XEYZ	780	10000
XFX	610	1000

<b>DURANGO</b>		
<b>Durango</b>		
XEE	1210	50

<b>GUANAJUATO</b>		
<b>Guanajuato</b>		
XEAZ	1420	7
<b>Leon</b>		
XEKL	1240	500

<b>JALISCO</b>		
<b>Guadalajara</b>		
XEA	1060	500
XED	1155	2500

<b>LOWER CALIFORNIA</b>		
<b>Ensenada</b>		
NEG	1270	200
<b>Mexicali</b>		
XEAA	920	200
XEAO	560	250
<b>Tijuana</b>		
XEC	1160	30

XEFL	1150	500
XEMO	860	5000
XEMZ	1210	250
XEOK	760	250

<b>MICHOACAN</b>		
<b>Morelia</b>		
XEI	1370	125

<b>NUEVO LEON</b>		
<b>Monterrey</b>		
XEFB	1420	100
XEFJ	1230	100
XEH	1150	250
XET	690	500
XEX	1310	125

<b>OAXACA</b>		
<b>Oaxaca</b>		
XEAJ	1310	15

<b>PUEBLA</b>		
<b>Puebla</b>		
XETH	1210	100

<b>SAN LUIS POTOSI</b>		
<b>San Luis Potosi</b>		
XEZZ	1370	100

<b>SONORA</b>		
<b>Nogales</b>		
XEAF	990	500

<b>TAMAULIPAS</b>		
<b>Matamoros</b>		
XEAM	750	7.5
<b>Nuevo Laredo</b>		
XEFE	850	250
XENT	910	65000
<b>Reynosa</b>		
XEAW	960	50000
<b>Tampico</b>		
XEFW	1310	250
XEMA	1080	50
XES	990	250

<b>VERACRUZ</b>		
<b>Jalapa</b>		
XFB	1270	250
XFD	1340	350
<b>Veracruz</b>		
XETF	1220	12
XEU	1010	250

<b>YUCATAN</b>		
<b>Merida</b>		
XEFC	560	100
XEY	1000	10
XEZ	630	500

<b>WEST INDIES</b>		
<b>CUBA</b>		
<b>Caibarien</b>		
CMHD	1270	250
<b>Camaguey</b>		
CMJA	1010	300
CMJC	1390	150
CMJE	1220	50

CMJF	1150	200
CMJK	780	250
CMJL	1340	100
CMJP	1430	100
<b>Cardenas</b>		
CMGE	1370	50
<b>Ciego de Avila</b>		
CMJH	1360	100
CMJI	1130	50
CMJO	1180	50
<b>Cienfuegos</b>		
CMIJ	1160	100
CMHW	810	100
CMHX	760	500
<b>Cruces</b>		
CMHK	1330	250
<b>Havana</b>		
CMBC	940	500
CMBD	1170	150
CMBG	1140	200
CMBN	880	150
CMBS	770	150
CMBX	1380	150
CMBY	640	150
CMBZ	1000	250
CMCA	1350	250
CMCB	1230	150
CMCD	960	250
CMCF	815	250
CMCG	1255	250
CMCJ	1200	350
CMCN	1500	150
CMCO	1110	250
CMCO	680	250
CMCR	1410	150
CMCU	1280	150
CMCW	750	150
CMCX	660	150
CMCY	1030	1000
CMK	1060	250
CMOA	790	150
CMOK	1470	150
CMOX	1320	250
CMO	840	500
CMW	600	1000
CMX	920	650

<b>Holguin</b>		
CMKF	1460	50
<b>Manzanillo</b>		
CMKM	1120	200
<b>Matanzas</b>		
CMGC	1400	100
CMGF	1120	100
CMGI	1420	50
<b>Sagua la Grande</b>		
CMHA	1070	50
<b>Sancti Spiritus</b>		
CMHB	1240	50
<b>Santa Clara</b>		
GMHI	1210	150
<b>Santiago</b>		
GMKC	1250	150
GMKD	1050	250
GMKR	1400	100
GMKV	1190	50

<b>DOMINICAN REPUBLIC</b>		
<b>San Pedro de Macoris</b>		
HHH	1395	15
<b>Santo Domingo</b>		
HIJ	1195	15
HIX	800	700
HIZ	1300	10
<b>HAITI</b>		
<b>Port-au-Prince</b>		
HHK	920	1000

## NORTH AMERICAN B. C. STATIONS BY CALLS

<b>CFAC</b> 930 100 Calgary, Alta. T. P. & C. Brdsg. Co., Southam Bldg.	<b>CJLS</b> 1310 100 Yarmouth, N. S. Laurie L. Smith, Grand Hotel
<b>CFCF</b> 600 400 Montreal, Que. Mt. Royal Hotel	<b>CJOC</b> 1230 100 Lethbridge, Alta. Marquis Hotel
<b>CFCH</b> 930 100 North Bay, Ont. Capitol Theatre Bldg. Roy H. Thomson	<b>CJOR</b> 600 500 Vancouver, B. C. G. C. Chandler, Hotel Grosvenor
<b>CFCN</b> 1030 10000 Calgary, Alta. Toronto Gen. Trust Bldg.	<b>CJRC</b> 1390 100 Winnipeg, Man. Royal Alexandra Hotel
<b>CFCO</b> 630 100 Chatham, Ont. Wm. Platt Hotel	<b>CJRM</b> 540 1000 Moose Jaw, Sask. 311 Main St. No.
<b>CFCT</b> 1450 75 Victoria, B. C. 620 View St.	<b>CKAC</b> 730 5000 Montreal, Que. 980 St. Catherine St. W.
<b>CFCY</b> 630 1000 Charlottetown, P.E.I. 143 Great George St.	<b>CKBI</b> 1210 100 Prince Albert, Sask. Canada Bldg.
<b>CFJC</b> 880 100 Kamloops, B. C. Wilcox-Hall Bldg.	<b>CKCD</b> 1010 100 Vancouver, B. C. 142 Hastings St. W.
<b>CFLC</b> 930 100 Prescott, Ont. Hoy Bldg., 307 George St.	<b>CKCH</b> 1210 100 Hull, Que. Standish Hall Hotel
<b>CFNB</b> 550 500 Fredericton, N. B. York St.	<b>CKCK</b> 1010 500 Regina, Sask. 1853 Hamilton St.
<b>CFPL</b> 730 100 London, Ont. Richmond St.	<b>CKCL</b> 580 100 Toronto, Ont. 444 University Ave.
<b>CFPR</b> 580 50 Prince Rupert, B. C. Felix E. Batt	<b>CKCO</b> 1010 100 Ottawa, Ont. 272 Somerset St. W.
<b>CFQC</b> 840 1000 Saskatoon, Sask. 216 First Ave., No.	<b>CKCR</b> 1510 100 Waterloo, Ont. 24 King St., So.
<b>CFRB</b> 690 10000 Toronto, Ont. 37 Bloor St. W.	<b>CKCV</b> 1310 100 Quebec, Que. 142 St. John St.
<b>CFRC</b> 1510 100 Kingston, Ont. Queens University, Fleming Hall	<b>CKCW</b> 1370 100 Moncton, N. B. Moncton Brdsg. Co., Ltd., K. of P. Hall
<b>CFRN</b> 1260 100 Edmonton, Alta. 109 C. P. R. Building	<b>CKFC</b> 1410 50 Vancouver, B. C. Hemlock & 12th Ave.
<b>CHAB</b> 1200 100 Moose Jaw, Sask. P. O. Box 26	<b>CKGB</b> 1420 100 Timmins, Ont. R. H. Thompson, Press Bldg.
<b>CHCK</b> 1310 50 Charlottetown, P.E.I. 36 Upper Hillsboro St.	<b>CKIC</b> 1010 50 Wolfville, N. S. Acadia University
<b>CHGS</b> 1450 50 Summerside, P.E.I. 190 Water St.	<b>CKLW</b> 1030 5000 Windsor, Ont. Guaranty Trust Bldg.
<b>CHLP</b> 1120 100 Montreal, Que. Sun Life Bldg.	<b>CKMC</b> 1210 50 Cobalt, Ont. R. L. MacAdam
<b>CHML</b> 1010 100 Hamilton, Ont. Pigott Bldg.	<b>CKMO</b> 1410 100 Vancouver, B. C. 1604 Bekins Bldg.
<b>CHNC</b> 1410 500 New Carlsisle, Que. Gaspesian Radio Brdsg. Co.	<b>CKNX</b> 1200 50 Wingham, Ont. Wingham Radlo Club
<b>CHNS</b> 930 1000 Halifax, N. S. Lord Nelson Hotel	<b>CKOC</b> 1120 500 Hamilton, Ont. Wentworth Bldg.
<b>CHRC</b> 580 100 Quebec, Que. CHRC. Ltd., Victoria Hotel	<b>CKOV</b> 630 100 Kelowna, B. C. Okanagan Broadcasters, Ltd., Box 243
<b>CHSJ</b> 1120 500 St. John, N. B. Admiral Beatty Hotel	<b>CKPC</b> 930 100 Brantford, Ont. Arcade Bldg.
<b>CHWC</b> 1010 500 Regina, Sask. R. H. Williams & Sons, Kitchener Hotel	<b>CKPR</b> 930 100 Fort William, Ont. Royal Edward Hotel
<b>CHWK</b> 780 100 Chilliwack, B. C. Box 452	<b>CKSO</b> 780 1000 Sudbury, Ont. W. E. Mason, Grand Theatre Bldg.
<b>CJAT</b> 910 250 Trail, B. C. Kootenay Brdsg. Co., P. O. Box 1957	<b>CKTB</b> 1200 100 St. Catharines, Ont. E. T. Sandell, Welland House
<b>CJCA</b> 730 1000 Edmonton, Alta. 10122-100A St.	<b>CKUA</b> 580 500 Edmonton, Alta. University of Alberta
<b>CJCB</b> 1240 1000 Sydney, N. S. 318 Charlotte St.	<b>CKWX</b> 1010 100 Vancouver, B. C. Hotel Georgia
<b>CJ CJ</b> 690 100 Calgary, Alta. New Albertan Bldg.	<b>CKX</b> 1120 100 Brandon, Man. City Hall Square
<b>CJCS</b> 1210 50 Stratford, Ont. M. I. Higgins, 151 Ontario St.	<b>CKY</b> 960 15000 Winnipeg, Man. Sherbrooke St.
<b>CJCU</b> 1210 50 Aklavik, N. W. T. Dr. J. A. Urquhart, Dept. of Interior	<b>CMBC</b> 940 500 Havana, Cuba Domingo Fernandez, Monte No. 139
<b>CJGX</b> 630 500 Yorkton, Sask. 188 Grain Exchange Bldg. (Winnipeg)	<b>CMBD</b> 1170 150 Havana, Cuba Luis Perez Garcia, Calle 17 No. 3, Vedado
<b>CJIC</b> 1500 100 S. Ste. Marie, Ont. Windsor Hotel, P. O. Box 504	<b>CMBG</b> 1140 200 Havana, Cuba John L. Stowers, Hospital No. 100
<b>CJKL</b> 530 1000 Kirkland Lake, Ont. Northern Brdsg. Co., Ltd.	<b>CMBN</b> 880 150 Havana, Cuba Pozos Dulces No. 3

# NORTH AMERICAN B. C. STATIONS BY CALLS

<b>CMBS 770</b>	150	Havana, Cuba	<b>CMJK 780</b>	250	Camaguey, Cuba
Calzada y H. St., Vedado			Cia. Nacional de Radio, Finlay No. 3		
<b>CMBX 1380</b>	150	Havana, Cuba	<b>CMJL 1340</b>	100	Camaguey, Cuba
Alberto Alvarez, San Miguel 194			M. Caymares, Republica 181		
<b>CMBY 640</b>	150	Havana, Cuba	<b>CMJO 1180</b>	50	Ciego de Avila, Cuba
Infanta 132 Callejas Estefani			C. Central & Maceo		
<b>CMBZ 1000</b>	250	Havana, Cuba	<b>CMJP 1430</b>	100	Camaguey, Cuba
Manuel y G. Salas, San Rafael No. 14			Cesar Canall, Callejas No. 28		
<b>CMCA 1350</b>	250	Havana, Cuba	<b>CMK 1060</b>	250	Havana, Cuba
Galiano No. 102			Hotel Plaza		
<b>CMCB 1230</b>	150	Havana, Cuba	<b>CMKC 1250</b>	150	Santiago, Cuba
Metropolitan Bldg. 828/30.			J. A. Saco, P. O. Box 466		
<b>CMCD 960</b>	250	Havana, Cuba	<b>CMKD 1050</b>	250	Santiago, Cuba
Calle G y 25, Vedado			Box 23		
<b>CMCF 815</b>	250	Havana, Cuba	<b>CMKF 1460</b>	50	Holguin, Cuba
Cuban Bristeg. Co., Paseo de Marti No. 9			Libertad esq. Arias		
<b>CMCG 1255</b>	50	Havana, Cuba	<b>CMKM 1120</b>	200	Manzanillo, Cuba
Malecon No. 340 Altos			Merchan P. Figeredo, P. O. Box 4		
<b>CMCJ 1200</b>	350	Havana, Cuba	<b>CMKR 1400</b>	100	Santiago, Cuba
Rafael Rodriguez, Estevez No. 4			B. Maso alta 71		
<b>CMCN 1500</b>	150	Havana, Cuba	<b>CMKV 1190</b>	50	Santiago, Cuba
Reina y Ave. Buen Retiro, Marianao			Oscar Vidal, Palma Soriano		
<b>CMCO 1110</b>	250	Havana, Cuba	<b>CMOA 790</b>	150	Havana, Cuba
Oficios 116, Enrique Lasanta			Juan Fernandez, Aguiar 126 Altos		
<b>CMCQ 680</b>	250	Havana, Cuba	<b>CMOK 1470</b>	150	Havana, Cuba
Vista Alegre No. 80, Vibora			Rafael Valdez, Estrella 121		
<b>CMCR 1410</b>	150	Havana, Cuba	<b>CMOX 1320</b>	250	Havana, Cuba
Milagros No. 35, Vibora			10 entre 17 y 19, Vedado		
<b>CMCU 1280</b>	150	Havana, Cuba	<b>CMQ 840</b>	500	Havana, Cuba
San Francisco No. 13, Vibora			25 Numero 445, Vedado		
<b>CMCW 750</b>	150	Havana, Cuba	<b>CMW 600</b>	1000	Havana, Cuba
San Lazaro No. 113			Troncoso y Gil, Prado 105 (altos)		
<b>CMCX 660</b>	150	Havana, Cuba	<b>CMX 920</b>	650	Havana, Cuba
Maceo No. 7, Guanabacoa			Edif. J. Calle, Oficios y Obrapae		
<b>CMCY 1030</b>	1000	Havana, Cuba	<b>CRCK 1050</b>	1000	Quebec, Que.
Manuel D. Autran, Calle G 215, Vedado			Chateau Frontenac Hotel		
<b>CMCG 1400</b>	100	Matanzas, Cuba	<b>CRCM 910</b>	5000	Montreal, Que.
Independencia No. 56			1231 St. Catherine St. W.		
<b>CMGE 1370</b>	50	Cardenas, Cuba	<b>CRCO 880</b>	1000	Ottawa, Ont.
Genaro Sebatier, Cespedes No. 180			Chateau Laurier Hotel		
<b>CMGF 1120</b>	100	Matanzas, Cuba	<b>CRCS 950</b>	100	Chicoutimi, Que.
G. Betancourt No. 51			4 Rue Larouche		
<b>CMGI 1420</b>	50	Matanzas, Cuba	<b>CRCT 840</b>	5000	Toronto, Ont.
Armando Lizama Mart No. 35			805 Davenport Road		
<b>CMHA 1070</b>	50	Sagua la Grande, Cu.	<b>CRCV 1100</b>	500	Vancouver, B. C.
Abelardo Menocal, Carrillo No. 31			1150 Main Street		
<b>CMHB 1240</b>	50	Sancti Spiritus, Cuba	<b>CRCW 600</b>	500	Windsor, Ont.
Independencia No. 33			Guaranty Trust Bldg.		
<b>CMHD 1270</b>	250	Caiharlen, Cuba	<b>FQN 609</b>	250	St. Pierre, Miq.
Manuel Alvarez, M. Eseoabar 17					
<b>CMHI 1210</b>	150	Santa Clara, Cuba	<b>HHK 920</b>	1000	Port-au-Prince, Haiti
Lavis y Paz, Independencia No. 34			Haitian Government		
<b>CMHJ 1160</b>	100	Cienfuegos, Cuba	<b>HIH 1395</b>	15	San Pedro de M., D.R.
Romualdo Ugalde, Sta. Elena 184			Domingo Dominguez		
<b>CMHK 1330</b>	250	Cruces, Cuba	<b>HIJ 1195</b>	15	Santo Domingo, D.R.
Heredia No. 61			Tuto Baez, Hostos 34		
<b>CMHW 810</b>	100	Cienfuegos, Cuba	<b>HIX 800</b>	700	Santo Domingo, D.R.
P. O. Box 226, Ramon Gonzales			J. R. Saludin, Director General		
<b>CMHX 760</b>	500	Cienfuegos, Cuba	<b>HIZ 1300</b>	10	Santo Domingo, D.R.
F. Chavarry, P. O. Box 205			Abbes and Garcia		
<b>CMJA 1010</b>	300	Camaguey, Cuba	<b>HP50 1440</b>	25	Colon, Panama
Rafael Valdes, P. O. Box 64			Post Office Building		
<b>CMJC 1390</b>	150	Camaguey, Cuba	<b>HRN 1270</b>	100	Tegucigalpa, Hond.
Cisneros y G. Gomez					
<b>CMJE 1220</b>	50	Camaguey, Cuba	<b>KABC 1420</b>	100	San Antonio, Texas
Manuel Fernandez, Hnos. Aguiere No. 2			Texas Theatre Bldg.		
<b>CMJF 1150</b>	200	Camaguey, Cuba	<b>KABR 1420</b>	100	Aberdeen, S. Dak.
John L. Stowers, Republica No. 88			Aberdeen Broadcast Co.		
<b>CMJH 1360</b>	100	Ciego de Avila, Cuba	<b>KADA 1200</b>	100	Ada, Okla.
Luis Maraauri, H. Castilla 37			C. C. Morris		
<b>CMJI 1130</b>	50	Ciego de Avila, Cuba	<b>KALB 1420</b>	100	Alexandria, La.
Gilberto Gessa Lopez, Independencia 95			Alexandria Brdestg. Co.		

## NORTH AMERICAN B. C. STATIONS BY CALLS

<b>KALE</b> 1300	500	Portland, Ore.	<b>KFJI</b> 1210	100	Klamath Falls, Ore.
Kale, Inc., New Heathman Hotel			KPJI Broadcasters, Inc., Willard Hotel		
<b>KARK</b> 890	250	Little Rock, Ark.	<b>KFJM</b> 1370	100	Grand Forks, N. D.
N. S. L. Bldg.			University of North Dakota		
<b>KASA</b> 1210	100	Elk City, Okla.	<b>KFJR</b> 1300	500	Portland, Ore.
E. M. Woody, Casa Grande Hotel			622 Lumberman's Bldg.		
<b>KAST</b> 1370	100	Astoria, Ore.	<b>KFJZ</b> 1370	100	Fort Worth, Texas
Abraham Shapiro, 611 Commercial St.			502 Trinity Life Bldg.		
<b>KBPS</b> 1420	100	Portland, Ore.	<b>KFKA</b> 880	500	Greeley, Colo.
546 N. E. 12th Ave.			Box 735		
<b>KBTM</b> 1200	100	Jonesboro, Ark.	<b>KFKU</b> 1220	1000	Lawrence, Kans.
Jay P. Beard			University of Kansas		
<b>KCMC</b> 1420	100	Texarkana, Ark.	<b>KKNF</b> 890	500	Shenandoah, Iowa
Box 865			407 Sycamore St.		
<b>KCRC</b> 1360	250	Enid, Okla.	<b>KFOR</b> 1210	100	Lincoln, Neb.
Enid Radiophone Co., Oxford Hotel			Howard Shuman, Hotel Lincoln		
<b>KCRJ</b> 1310	100	Jerome, Ariz.	<b>KFOX</b> 1250	1000	Long Beach, Calif.
Chas. C. Robinson, Drawer D			220 E. Anaheim St.		
<b>KDB</b> 1500	100	Santa Barbara, Calif.	<b>KFPL</b> 1310	100	Dublin, Texas
15-17 E. Haley St.			C. C. Baxter, Box 176		
<b>KDFN</b> 1440	500	Casper, Wyo.	<b>KFPW</b> 1210	100	Fort Smith, Ark.
Donald Lewis Hathaway, Box 930			Goldman Hotel		
<b>KDKA</b> 980	50000	Pittsburgh, Pa.	<b>KFPY</b> 890	1000	Spokane, Wash.
Grant Building			Symons Bldg.		
<b>KDLR</b> 1210	100	Devils Lake, N. D.	<b>KQD</b> 780	250	Anchorage, Alaska
KDLR, Inc., 1025 3rd Street			411-4th Ave.		
<b>KDON</b> 1210	100	Del Monte, Calif.	<b>KFRC</b> 610	1000	San Francisco, Calif.
Richard F. Lewis			1000 Van Ness Ave.		
<b>KDYL</b> 1290	1000	Salt Lake City, Utah	<b>KFR0</b> 1370	100	Longview, Texas
Ezra Thompson Bldg.			Voice of Longview, Box 86		
<b>KECA</b> 1430	1000	Los Angeles, Calif.	<b>KFRU</b> 630	500	Columbia, Mo.
1000 S. Hope St.			KFRU, Inc., 9th and Elm Sts.		
<b>KEHE</b> 780	500	Los Angeles, Calif.	<b>KFSD</b> 600	1000	San Diego, Calif.
214 S. Vermont St.			U. S. Grant Hotel		
<b>KELD</b> 1370	100	El Dorado, Ark.	<b>KFSG</b> 1120	500	Los Angeles, Calif.
T. H. Barton			1100 Glendale Blvd.		
<b>KELW</b> 780	500	Burbank, Calif.	<b>KFU0</b> 550	500	St. Louis, Mo.
3702 Magnolia Park Blvd.			801 De Mun St.		
<b>KERN</b> 1370	100	Bakersfield, Calif.	<b>KFVD</b> 1000	250	Los Angeles, Calif.
Elk's Club			E. L. Cord, 645 S. Mariposa		
<b>KEX</b> 1180	5000	Portland, Ore.	<b>KFVS</b> 1210	100	Cape Girardeau, Mo.
Oregonian Bldg.			Oscar C. Hirsch, Box 275		
<b>KFAB</b> 770	10000	Lincoln, Neb.	<b>KFWB</b> 950	1000	Hollywood, Calif.
Cornhusker Hotel			Warner Bros. Motion Pictures, Inc.		
<b>KFAC</b> 1300	1000	Los Angeles, Calif.	<b>KFXD</b> 1200	100	Nampa, Idaho
E. L. Cord, 645 So. Mariposa			Frank E. Hurt, 1024 12th Ave., S.		
<b>KFBB</b> 1280	1000	Great Falls, Mont.	<b>KFXJ</b> 1200	100	Grand Jct., Colo.
Buttrely Broadcast., Inc., P. O. Box 1817			Hillcrest Manor		
<b>KFB1</b> 1050	5000	Abilene, Kans.	<b>KFXM</b> 1210	100	San Bernardino, Calif.
Box 345			California Hotel		
<b>KFBK</b> 1490	5000	Sacramento, Calif.	<b>KFXR</b> 1310	100	Oklahoma City, Okla.
Sacramento Bee, 7th & I Sts.			541 Hightower Bldg.		
<b>KFDM</b> 560	500	Beaumont, Texas	<b>KFY0</b> 1310	100	Lubbock, Texas
Beaumont Hotel, P. O. Box 2950			Kirksey Bros., Hotel Lubbock		
<b>KFDY</b> 780	1000	Brookings, S. D.	<b>KFYR</b> 550	1000	Bismarck, N. D.
Box L. State College Station			320 Broadway		
<b>KFEL</b> 920	500	Denver, Colo.	<b>KGA</b> 1470	5000	Spokane, Wash.
Albany Hotel			1023 W. Riverside Ave.		
<b>KFEQ</b> 680	2500	St. Joseph, Mo.	<b>KCAR</b> 1370	100	Tucson, Ariz.
Schneider Bldg., KFEQ, Inc.			142 S. 6th Ave.		
<b>KFGQ</b> 1370	100	Boone, Iowa	<b>KGB</b> 1330	1000	San Diego, Calif.
924 W. 2nd St.			1012-1st Ave.		
<b>KFH</b> 1300	1000	Wichita, Kans.	<b>KGBU</b> 900	500	Ketchikan, Alaska
124 1/2 S. Market St.			Mile 5, Wards Cove Rd.		
<b>KFI</b> 640	50000	Los Angeles, Calif.	<b>KGBX</b> 1230	500	Springfield, Mo.
1000 S. Hope St.			KGBX, Inc., St. Louis at Kimbrough		
<b>KFIO</b> 1120	100	Spokane, Wash.	<b>KGBZ</b> 930	1000	York, Neb.
Ziegler Building			KGBZ Broadcasting Co., 719 Grant Ave.		
<b>KFIZ</b> 1420	100	Fond du Lac, Wis.	<b>KGCA</b> 1270	100	Decorah, Iowa
18 W. 1st St.			Charles W. Greeney, 201 Water St.		
<b>KFJB</b> 1200	100	Marshalltown, Iowa	<b>KCCU</b> 1240	250	Mandan, N. D.
1603 W. Main St.			404 W. Main St.		

## NORTH AMERICAN B. C. STATIONS BY CALLS

<b>KGCX 1310 100</b> Wolf Point, Mont. E. E. Krebsbach.	<b>KHBC 1420 100</b> Hilo, T. H. Honolulu Broadcasting Co.
<b>KGDE 1200 100</b> Fergus Falls, Minn. C. L. Jaren	<b>KHJ 900 1000</b> Los Angeles, Calif. 7th & Bixel Sts.
<b>KGDM 1100 1000</b> Stockton, Calif. E. F. Pepper, 42 S. Calif. St.	<b>KHQ 590 1000</b> Spokane, Wash. Sprague Ave. & Post St.
<b>KGDY 1340 250</b> Huron, S. D. Voice of S. D., Inc., 347 Dakota Ave.	<b>KHSL 950 250</b> Chico, Calif. Golden Empire Brdcastg. Co.
<b>KGEK 1200 100</b> Sterling, Colo. Elmer G. Beehler, 109 W. 2nd St.	<b>KICA 1370 100</b> Clovis, N. M. Southwest Broadcasting Co.
<b>KGER 1360 1000</b> Long Beach, Calif. 435 Pine Ave.	<b>KID 1320 250</b> Idaho Falls, Idaho Box 487
<b>KGEZ 1310 100</b> Kalispell, Mont. Donald C. Treloar, Box 1	<b>KIDO 1350 1000</b> Boise, Idaho Hotel Boise
<b>KGFF 1420 100</b> Shawnee, Okla. 9th & Bell Sts.	<b>KIDW 1420 100</b> Lamar, Colo. Lamar Broadcasting Co., Box 688
<b>KGFG 1370 100</b> Oklahoma City, Okla. Okla. Broadcasting Co., 1113 N. Broadway	<b>KIEM 1450 500</b> Eureka, Calif. Redwood Brdcastg. Co., Vanier Hotel
<b>KGFI 1500 100</b> Corpus Christi, Texas Eagle Broadcasting Co., Inc., P. O. Box 1508	<b>KIEV 850 100</b> Glendale, Calif. Cannon System, Ltd., Glendale Hotel
<b>KGFJ 1200 100</b> Los Angeles, Calif. Ben S. McGlashan, 1417 S. Figueroa	<b>KINY 1310 100</b> Juneau, Alaska Edwin A. Kraft
<b>KGFK 1500 100</b> Moorhead, Minn. Comstock Hotel	<b>KIRO 710 500</b> Seattle, Wash. Tower Bldg.
<b>KGFL 1370 100</b> Roswell, N. M. KGF.L, Inc., 507 N. Main St.	<b>KIT 1310 100</b> Yakima, Wash. 109½ E. Yakima Ave.
<b>KGFW 1310 100</b> Kearney, Neb. 919 West 27th St.	<b>KIUJ 1310 100</b> Santa Fe, N. Mex. W. C. Irvin
<b>KGFX 630 200</b> Pierre, S. D. Dana McNeil, Box 573	<b>KIUL 1210 100</b> Garden City, Kans. Garden City Brdcastg. Co.
<b>KGGC 1420 100</b> San Francisco, Calif. 230 Eddy St.	<b>KIUN 1420 100</b> Pecos, Texas J. H. Hawkins & B. H. Hubbs
<b>KGGF 1010 1000</b> Coffeyville, Kans. Coffeyville Journal Bldg.	<b>KIUP 1370 100</b> Durango, Colo. C. Guy Shepard, 2800 Main Street
<b>KGGM 1230 250</b> Albuquerque, N. M. Kimo Building	<b>KJBS 1070 500</b> San Francisco, Calif. 1380 Bush St.
<b>KGHF 1320 500</b> Pueblo, Colo. C. P. Ritchie, 113 Broadway	<b>KJR 970 5000</b> Seattle, Wash. Skinner Bldg.
<b>KGHI 1200 100</b> Little Rock, Ark. Arkansas Brdcastg. Co., Marion Hotel	<b>KLCN 1290 100</b> Blytheville, Ark. C. L. Lintzenleh, Main and Division St.
<b>KGHL 780 1000</b> Billings, Mont. 5th & N. Broadway	<b>KLO 1400 500</b> Ogden, Utah 405-25th St.
<b>KGIR 1340 1000</b> Butte, Mont. KGIR, Inc., 121 W. Broadway	<b>KLPM 1240 250</b> Minot, N. D. John B. Cooley, Box 707
<b>KGIW 1420 100</b> Alamosa, Colo. Leonard E. Wilson, 326 N. Commercial	<b>KLRA 1390 1000</b> Little Rock, Ark. Arkansas Broadcasting Co., Box 550
<b>KGKB 1500 100</b> Tyler, Texas 115 S. College	<b>KLS 1440 250</b> Oakland, Calif. Warner Bros., 2201 Telegraph Ave
<b>KGKL 1370 100</b> San Angelo, Texas KGKL, Inc., St. Angelo Hotel	<b>KLUF 1370 100</b> Galveston, Texas Geo. R. Clough, Buccaneer Hotel
<b>KGKO 570 250</b> Wichita Falls, Texas 9th St. & Indiana Ave.	<b>KLX 880 1000</b> Oakland, Calif. Tribune Tower
<b>KCKY 1500 100</b> Scottsbluff, Neb. Billiard Co., Inc., 1517 1/2 Broadway	<b>KLZ 560 1000</b> Denver, Colo. Shirley-Savoy Hotel
<b>KGMB 1320 1000</b> Honolulu, T. H. Honolulu Broadcasting Co., Box 2663	<b>KMA 930 1000</b> Shenandoah, Iowa Earl E. May Seed & Nursery Co.
<b>KGNC 1410 1000</b> Amarillo, Texas Plains Radio Brdcastg. Co.	<b>KMAC 1370 100</b> San Antonio, Texas W. W. McAllister, Smith-Young Tower
<b>KGNF 1430 1000</b> North Platte, Neb. Great Plains Broadcasting Co., W. 12th St.	<b>KMBC 950 1000</b> Kansas City, Mo. Plekwick Hotel
<b>KGNO 1340 250</b> Dodge City, Kans. First Natl. Bank Bldg.	<b>KMED 1310 100</b> Medford, Ore. Mrs. W. J. Virgin, Sparta Bldg.
<b>KGO 790 7500</b> San Francisco, Calif. 111 Sutter St.	<b>KMJ 580 1000</b> Fresno, Calif. Van Ness & Calaveras Sts.
<b>KGU 750 2500</b> Honolulu, T. H. Kaplan at South St.	<b>KMLB 1200 100</b> Monroe, La. Francis Hotel
<b>KGVO 1280 1000</b> Missoula, Mont. Mosbys, Inc., 240 N. Higgins	<b>KMMJ 740 1000</b> Clay Center, Neb. The M. M. Johnson Co.
<b>KGW 620 1000</b> Portland, Ore. 325 Adler St.	<b>KMO 1330 250</b> Tacoma, Wash. KMO, Inc., Hotel Winthrop
<b>KGY 1210 100</b> Olympia, Wash. KGY, Inc., 11th and Capitol Way	<b>KMOX 1090 50000</b> St. Louis, Mo. 401 S. 12th St.

## NORTH AMERICAN B. C. STATIONS BY CALLS

	<b>KMPC 710 500 Beverly Hills, Calif.</b> 9631 Wiltshire Blvd.				<b>KRRL 1040 10000 Dallas, Texas</b> KRRL Radio Corp., Adolphus Hotel
	<b>KMTR 570 1000 Hollywood, Calif.</b> KMTR Radio Corp., 915 N. Formosa Ave.				<b>KRLH 1420 100 Midland, Texas</b> Clarence Scharbauer
	<b>KNEL 1500 100 Brady, Texas</b> G. L. Burns				<b>KRMD 1310 100 Shreveport, La.</b> Jefferson Hotel
	<b>KNET 1420 100 Palestine, Texas</b> Palestine Brdstrg. Assn.				<b>KRRR 1500 100 Roseburg, Ore.</b> Oregon Pub. Co.
	<b>KNOW 1500 100 Austin, Texas</b> Norwood Building				<b>KRNT 1320 500 Des Moines, Iowa</b> 715 Locust Street
	<b>KNX 1050 50000 Hollywood, Calif.</b> West. Broadcast Co., Inc., 1558 N. Vine St.				<b>KROC 1310 100 Rochester, Minn.</b> Southern Minnesota Broadcasting Co.
	<b>KOA 830 50000 Denver, Colo.</b> General Electric Co., 1370 Krameria St.				<b>KROW 930 1000 Oakland, Calif.</b> 1803 Franklin St.
	<b>KOAC 550 1000 Corvallis, Ore.</b> Oregon State Agricultural College				<b>KRSC 1120 100 Seattle, Wash.</b> Radio Sales Corp., Washington Athletic Club
	<b>KOB 1180 10000 Albuquerque, N. M.</b> Albuquerque Journal, Box 1319				<b>KSAC 580 500 Manhattan, Kans.</b> State College of Agriculture
	<b>KOH 1380 500 Reno, Nev.</b> 440 N. Virginia St.				<b>KSCJ 1330 1000 Sioux City, Iowa</b> Perkins Bros. Co., 415 Douglas St.
	<b>KOIL 1260 1000 Council Bluffs, Iowa</b> Mona Motor Oil Co.				<b>KSD 550 1000 St. Louis, Mo.</b> St. Louis Post-Dispatch
	<b>KOIN 940 1000 Portland, Ore.</b> KOIN, Inc., New Heathman Hotel				<b>KSEI 900 250 Pocatello, Idaho</b> Radio Service Corp., 141 S. 6th Ave.
	<b>KOL 1270 1000 Seattle, Wash.</b> Northern Life Tower				<b>KSFO 560 1000 San Francisco, Calif.</b> Russ Building
	<b>KOMA 1480 5000 Oklahoma City, Okla.</b> Biltmore Hotel				<b>KSL 1130 50000 Salt Lake City, Utah</b> Vermont Bldg.
	<b>KOMO 920 1000 Seattle, Wash.</b> Skinner Bldg.				<b>KSLM 1370 100 Salem, Ore.</b> Oregon Radio, Inc.
	<b>KONO 1370 100 San Antonio, Texas</b> Mission Broadcast Co., Millam Bldg.				<b>KSO 1430 500 Des Moines, Iowa</b> 715 Locust Street
	<b>KOOS 1390 250 Marshfield, Ore.</b> H. H. Hanseth, Hall Bldg.				<b>KSOO 1110 2500 Sioux Falls, S. D.</b> Sioux Falls Brdstr. Assn., Carpenter Hotel
	<b>KORE 1420 100 Eugene, Ore.</b> 733 Willamette St.				<b>KSTP 1460 25000 St. Paul, Minn.</b> St. Paul Hotel
	<b>KOTN 1500 100 Pine Bluff, Ark.</b> Universal Brdstrg. Corp., Hotel Pines				<b>KSUN 1200 100 Lowell, Ariz.</b> Copper Electrical Co., Drawer C
	<b>KOY 1390 500 Phoenix, Ariz.</b> P. O. Box 1323				<b>KTAR 620 1000 Phoenix, Ariz.</b> Heard Building
	<b>KPAC 1260 500 Port Arthur, Texas</b> Port Arthur College				<b>KTAT 1240 1000 Fort Worth, Texas</b> Ft. Worth Natl. Bank Bldg.
	<b>KPJM 1500 100 Prescott, Ariz.</b> Scott & Sturm, P. O. Box 782				<b>KTBS 1450 1000 Shreveport, La.</b> Box 17
	<b>KPLC 1500 100 Lake Charles, La.</b> Catecaieu Brdstrg. Co., Majestic Hotel				<b>KTFI 1240 1000 Twin Falls, Idaho</b> Radio Broadcasting Corp., Box 521
	<b>KPO 680 50000 San Francisco, Calif.</b> 111 Sutter St.				<b>KTHS 1060 10000 Hot Springs, Ark.</b> Chamber of Commerce, Box 886
	<b>KPOF 880 500 Denver, Colo.</b> Pillar of Fire, 1845 Champa St.				<b>KTRB 740 250 Modesto, Calif.</b> McTammany & Bates, P. O. Box 405
	<b>KPPC 1210 50 Pasadena, Calif.</b> 585 E. Colorado St.				<b>KTRH 1290 1000 Houston, Texas</b> KTRH Broadcasting Co., Rice Hotel
	<b>KPQ 1500 100 Wenatchee, Wash.</b> KPQ Bldg., 20 2nd St.				<b>KTSA 550 1000 San Antonio, Texas</b> Southwest Broadcasting Co., Plaza Hotel
	<b>KPRC 920 1000 Houston, Texas</b> Lamar Hotel				<b>KTSM 1310 100 El Paso, Texas</b> P. O. Box 1076
	<b>KQV 1380 500 Pittsburgh, Pa.</b> KQV Broadcasting Co., 1406 C. of C. Bldg.				<b>KTUL 1400 500 Tulsa, Okla.</b> National Bank of Tulsa Bldg.
	<b>KQW 1010 1000 San Jose, Calif.</b> 87 E. San Antonio St.				<b>KTW 1220 1000 Seattle, Wash.</b> 7th & Spring St.
	<b>KRE 1370 100 Berkeley, Calif.</b> 2337 Shattuck Ave.				<b>KUJ 1370 100 Walla Walla, Wash.</b> KUJ, Inc., Marcus Whitman Hotel
	<b>KREG 1500 100 Santa Ana, Calif.</b> 3rd & Sycamore Sts.				<b>KUMA 1420 100 Yuma, Ariz.</b> Dr. A. H. Schermann, Box 267
	<b>KRGV 1260 500 Weslaco, Texas</b> KRGV Inc.				<b>KUOA 1260 1000 Fayetteville, Ark.</b> KCOA, Inc., Washington Hotel
	<b>KRKD 1120 500 Los Angeles, Calif.</b> 815 Spring Arcade Bldg.				<b>KUSD 890 500 Vermillion, S. D.</b> University of South Dakota
	<b>KRKO 1370 50 Everett, Wash.</b> Lee Mudgett, 2814 Rucker Ave.				<b>KVI 570 1000 Tacoma, Wash.</b> W. R. Rust Bldg.
	<b>KRCL 1420 100 Lewiston, Idaho</b> H. E. Studebaker, Lewis-Clarke Hotel				<b>KVL 1370 100 Seattle, Wash.</b> KVL, Inc., 2101 Smith Tower



## NORTH AMERICAN B. C. STATIONS BY CALLS

<b>KVOA 1260</b>	<b>500</b>	<b>Tucson, Ariz.</b> Cous. Natl. Bank Bldg.	<b>VAS 685</b>	<b>2000</b>	<b>Glace Bay, N. S.</b> Canadian Maroon Co., Ltd.
<b>KVOD 920</b>	<b>500</b>	<b>Denver, Colo.</b> Continental Oil Bldg.	<b>VE9EK 1185</b>	<b>10</b>	<b>Montmagny, Que.</b> J. A. Marquis, P. O. Box 52
<b>KVOL 1310</b>	<b>100</b>	<b>Lafayette, La.</b> Evangeline Hotel	<b>VOAC 1065</b>	<b>40</b>	<b>St. John's, Nfld.</b>
<b>KVOO 1140</b>	<b>25000</b>	<b>Tulsa, Okla.</b> Wright Bldg.	<b>VOAS 940</b>	<b>100</b>	<b>St. John's, Nfld.</b> Ayre & Sons, Ltd., Water St.
<b>KVOR 1270</b>	<b>1000</b>	<b>Colorado Spg., Colo.</b> Antlers Hotel	<b>VOGY 840</b>	<b>400</b>	<b>St. John's, Nfld.</b> Newfoundland Hotel
<b>KVOS 1200</b>	<b>100</b>	<b>Bellingham, Wash.</b> 115 W. Magnolia St.	<b>VONF 1195</b>	<b>500</b>	<b>St. John's, Nfld.</b> Dominion Broadcasting Co., Ltd., Box 135
<b>KVSO 1210</b>	<b>100</b>	<b>Ardmore, Okla.</b> Ardmoreite Pub. Co., Inc.	<b>VOWR 681</b>	<b>500</b>	<b>St. John's, Nfld.</b> Wesley United Church, Box 157
<b>KWBG 1420</b>	<b>100</b>	<b>Hutchinson, Kans.</b> W. B. Greenwald	<b>WAAB 1410</b>	<b>500</b>	<b>Boston, Mass.</b> 21 Brookline Ave.
<b>KWEA 1210</b>	<b>100</b>	<b>Shreveport, La.</b> Spring & Fannin Sts., Times Pub. Co.	<b>WAAF 920</b>	<b>1000</b>	<b>Chicago, Ill.</b> Palmer House
<b>KWG 1200</b>	<b>100</b>	<b>Stockton, Calif.</b> Medico-Dental Bldg.	<b>WAAT 940</b>	<b>500</b>	<b>Jersey City, N. J.</b> Bremer Broadcasting Corp., 50 Journal Sq.
<b>KWJJ 1040</b>	<b>500</b>	<b>Portland, Ore.</b> 622 Salmon St.	<b>WAAW 660</b>	<b>500</b>	<b>Omaha, Neb.</b> Omaha Grain Exchange
<b>KWK 1350</b>	<b>1000</b>	<b>St. Louis, Mo.</b> Thomas Patrick, Inc., Hotel Chase	<b>WABC 860</b>	<b>50000</b>	<b>New York, N. Y.</b> 485 Madison Ave.
<b>KWKC 1370</b>	<b>100</b>	<b>Kansas City, Mo.</b> 3915 Main St.	<b>WABI 1200</b>	<b>100</b>	<b>Bangor, Maine</b> Community Brdcastg. Service
<b>KWKH 1100</b>	<b>10000</b>	<b>Shreveport, La.</b> Spring & Fannin Sts., Times Pub. Co.	<b>WABY 1370</b>	<b>100</b>	<b>Albany, N. Y.</b> Hotel Ten Eyck
<b>KWLC 1270</b>	<b>100</b>	<b>Decorah, Iowa</b> Luther College	<b>WACO 1420</b>	<b>100</b>	<b>Waco, Texas</b> Amteable Bldg.
<b>KWSC 1220</b>	<b>1000</b>	<b>Pullman, Wash.</b> State College of Washington	<b>WADC 1320</b>	<b>1000</b>	<b>Akron, Ohio</b> Allen T. Simmons, P. O. Box 29
<b>KWTN 1210</b>	<b>100</b>	<b>Watertown, S. D.</b> Citizens Bank Bldg.	<b>WAGF 1370</b>	<b>100</b>	<b>Dothan, Ala.</b> P. O. Box 25
<b>KWTO 560</b>	<b>5000</b>	<b>Springfield, Mo.</b> KGBN Inc., St. Louis at Kimbrough	<b>WAGM 1420</b>	<b>100</b>	<b>Presque Isle, Me.</b> Aroostook Broadcasting Corp., Main St.
<b>KWYO 1370</b>	<b>100</b>	<b>Sheridan, Wyo.</b> Big Horn Brdcastg. Co.	<b>WAIM 1200</b>	<b>100</b>	<b>Anderson, S. C.</b> Anderson College
<b>KXA 760</b>	<b>250</b>	<b>Seattle, Wash.</b> American Radio Tel. Co., 312 Bigelow Bldg.	<b>WAIU 640</b>	<b>500</b>	<b>Columbus, Ohio</b> Deshler-Wallick Hotel
<b>KXL 1420</b>	<b>100</b>	<b>Portland, Ore.</b> KXJ Broadcasters, Multnomah Hotel	<b>WALA 1380</b>	<b>500</b>	<b>Mobile, Ala.</b> Pape Brdcastg. Corp., P. O. Box 288
<b>KXO 1500</b>	<b>100</b>	<b>El Centro, Calif.</b> F. M. Bowles, Box 140	<b>WALR 1210</b>	<b>100</b>	<b>Zanesville, Ohio</b> First Trust & Savings Bank Bldg.
<b>KXRO 1310</b>	<b>100</b>	<b>Aberdeen, Wash.</b> KXRO, Inc., Hotel Morek	<b>WAML 1310</b>	<b>100</b>	<b>Laurel, Miss.</b> New Laurel Radio Co., Box 26
<b>KXYZ 1440</b>	<b>1000</b>	<b>Houston, Texas</b> Gulf Building	<b>WAPI 1140</b>	<b>5000</b>	<b>Birmingham, Ala.</b> Protective Life Bldg.
<b>KYA 1230</b>	<b>1000</b>	<b>San Francisco, Calif.</b> 988 Market St.	<b>WARD 1400</b>	<b>500</b>	<b>Brooklyn, N. Y.</b> 427 Fulton St.
<b>KYW 1020</b>	<b>10000</b>	<b>Philadelphia, Pa.</b> 1622 Chestnut Street	<b>WASH 1270</b>	<b>500</b>	<b>Grand Rapids, Mich.</b> Grand Rapids Natl. Bank Bldg.
<b>NAA 690</b>	<b>1000</b>	<b>Arlington, Va.</b> United States Navy	<b>WATR 1190</b>	<b>100</b>	<b>Waterbury, Conn.</b> WATR Co. Inc., 47 Grand St.
<b>RDN 680</b>	<b>500</b>	<b>San Salvador E. S.</b> Republic of El Salvador	<b>WAVE 940</b>	<b>1000</b>	<b>Louisville, Ky.</b> WAVE, Inc., 1525 Brown Hotel
<b>TGW 1210</b>	<b>10000</b>	<b>Guatemala, Gua.</b> 2227 Maquinaria 3389	<b>WAWZ 1350</b>	<b>500</b>	<b>Zarephath, N. J.</b> Pillar of Fire
<b>TGX 1400</b>	<b>250</b>	<b>Guatemala City</b>	<b>WAZL 1420</b>	<b>100</b>	<b>Hazleton, Pa.</b> Hazleton Broadcasting Service, Inc.
<b>TIEP 850</b>	<b>500</b>	<b>San Jose, C. R.</b>	<b>WBAA 890</b>	<b>1000</b>	<b>West Lafayette, Ind.</b> Purdue University
<b>TIFA 1050</b>	<b>75</b>	<b>San Jose, C. R.</b>	<b>WBAL 1060</b>	<b>10000</b>	<b>Baltimore, Md.</b> Lexington Bldg., Amer. Radio News Corp.
<b>TIFS 1441</b>	<b>7.5</b>	<b>Cartago, C. R.</b>	<b>WBAP 800</b>	<b>50000</b>	<b>Fort Worth, Texas</b> Ft. Worth Star-Telegram
<b>TIGA 1014</b>	<b>30</b>	<b>Cartago, C. R.</b>	<b>WBAX 1210</b>	<b>100</b>	<b>Wilkes-Barre, Pa.</b> John H. Stenger, Jr., 70 S. Main St.
<b>TIGH 1000</b>	<b>500</b>	<b>San Jose, C. R.</b>	<b>WBBC 1400</b>	<b>500</b>	<b>Brooklyn, N. Y.</b> 552-54 Atlantic Ave.
<b>TIRH 930</b>	<b>50</b>	<b>San Jose, C. R.</b>	<b>WBBL 1210</b>	<b>100</b>	<b>Richmond, Va.</b> 1627 Monument Ave.

## NORTH AMERICAN B. C. STATIONS BY CALLS

<b>WBBM 770 50000</b> Chicago, Ill. 410 N. Michigan Ave.	<b>WCCO 810 50000</b> Minneapolis, Minn. Nicollet Hotel
<b>WBRR 1300 1000</b> Brooklyn, N. Y. 124 Columbia Heights	<b>WCFL 970 5000</b> Chicago, Ill. 666 Lake Shore Drive
<b>WBBZ 1200 100</b> Ponca City, Okla. C. L. Carrell, 407 W. South Ave.	<b>WCHS 580 500</b> Charleston, W. Va. WOBU, Inc., Ruffner Hotel
<b>WBCM 1410 500</b> Bay City, Mich. James E. Davison, Hotel Wenonah	<b>WKCY 1490 5000</b> Covington, Ky. 6th & Madison Sts.
<b>WBEN 900 1000</b> Buffalo, N. Y. WBEN, Inc., Hotel Statler	<b>WCLO 1200 100</b> Janesville, Wis. 200 E. Milwaukee St.
<b>WBEQ 1310 100</b> Marquette, Mich. 146 W. Washington St.	<b>WCLS 1310 100</b> Joliet, Ill. WCLS, Inc., 301 E. Jefferson St.
<b>WBIG 1440 500</b> Greensboro, N. C. O. Henry Hotel	<b>WCMI 1310 100</b> Ashland, Ky. Ashland Broadcasting Co., Box 106
<b>WBNO 1200 100</b> New Orleans, La. Hotel New Orleans	<b>WCNW 1500 100</b> Brooklyn, N. Y. Arthur Fenske, 864-868 Flatbush Ave.
<b>WBNS 1430 500</b> Columbus, O. 33 N. High St.	<b>WCOA 1340 500</b> Pensacola, Fla. San Carlos Hotel
<b>WBNX 1350 250</b> New York, N. Y. 260 E. 161st St.	<b>WCOC 880 500</b> Meridian, Miss. Box 603
<b>WBNY 1370 100</b> Buffalo, N. Y. Roy L. Albertson	<b>WCOL 1210 100</b> Columbus, Ohio WCOL Inc., 33 N. High St.
<b>WBOQ 860 50000</b> New York, N. Y. Atlantic Broadcasting Corp.	<b>WCOP 1120 500</b> Boston, Mass. Joseph M. Kirby, Hotel Copley-Plaza
<b>WBOV 1310 100</b> Terre Haute, Ind. Banks of Wabash, Inc., 19 Beach Block	<b>WCPO 1200 100</b> Cincinnati, Ohio Continental Radio Co., Hotel Sinton
<b>WBRB 1210 100</b> Red Bank, N. J. 63 Broad St.	<b>WCRW 1210 100</b> Chicago, Ill. Clinton R. White, 2756 Pine Grove Ave.
<b>WBRC 930 1000</b> Birmingham, Ala. Bankhead Hotel	<b>WCSC 1360 500</b> Charleston, S. C. Francis Marion Hotel
<b>WBRE 1310 100</b> Wilkes-Barre, Pa. Louis G. Baltimore, 16 N. Main	<b>WCSH 940 1000</b> Portland, Me. Congress Square Hotel
<b>WBSO 920 500</b> Babson Park, Mass. Drawer B	<b>WDAA 1220 1000</b> Tampa, Fla. Tampa Times Co., Tampa Terrace
<b>WBT 1080 50000</b> Charlotte, N. C. Station WBT, Inc., Wilder Bldg.	<b>WDAF 610 1000</b> Kansas City, Mo. 1729 Grand Ave.
<b>WBTM 1370 100</b> Danville, Va. Miller Bldg.	<b>WDAH 1310 100</b> El Paso, Texas Box 1976
<b>WBZ 990 50000</b> Boston, Mass. Hotel Bradford	<b>WDAS 1370 100</b> Philadelphia, Pa. WDAS Brdestg. Co., Inc., 1211 Chestnut St
<b>WBZA 990 1000</b> Springfield, Mass. Hotel Kimball	<b>WDAY 940 1000</b> Fargo, N. D. WDAY, Inc., Black Bldg., 118 Broadway
<b>WCAC 600 500</b> Storrs, Conn. Connecticut State College	<b>WDBJ 930 1000</b> Roanoke, Va. Times World Corp., P. O. Box 150
<b>WCAD 1220 500</b> Canton, N. Y. St. Lawrence University	<b>WDBO 580 1000</b> Orlando, Fla. P. O. Box 1097
<b>WCAE 1220 1000</b> Pittsburgh, Pa. P. O. Box 1705	<b>WDEL 1120 250</b> Wilmington, Del. WDEL, Inc., 10th and King Sts.
<b>WCAL 1250 1000</b> Northfield, Minn. St. Olaf College	<b>WDEV 550 500</b> Waterbury, Vt. Harry C. Whitehill, Stowe St.
<b>WCAM 1280 500</b> Camden, N. J. City of Camden, City Hall	<b>WDGY 1180 1000</b> Minneapolis, Minn. Dr. Geo. W. Young, 909 W. Broadway
<b>WCAO 600 500</b> Baltimore, Md. 811 W. Lanvale St.	<b>WDNC 1500 100</b> Durham, N. C. Washington Duke Hotel
<b>WCAP 1280 500</b> Asbury Park, N. J. Convention Hall	<b>WDOD 1280 1000</b> Chattanooga, Tenn. WDOD Broadcasting Corp., Hotel Patten
<b>WCAT 1200 100</b> Rapid City, S. D. South Dakota State School of Mines	<b>WDRC 1330 1000</b> Hartford, Conn. WDRC, Inc., Corning Bldg., 11 Asylum St
<b>WCAU 1170 50000</b> Philadelphia, Pa. WCAU Broadcasting Co., 1622 Chestnut	<b>WDSU 1250 1000</b> New Orleans, La. WDSU Inc., Hotel Monteleone
<b>WCAX 1200 100</b> Burlington, Vt. 203 College St.	<b>WDZ 1070 100</b> Tuscola, Ill. James L. Bush, Star Store Bldg.
<b>WCAZ 1070 100</b> Carthage, Ill. 97 1/2 Adams St.	<b>WEAF 660 50000</b> New York, N. Y. 30 Rockefeller Plaza
<b>WCBA 1440 500</b> Allentown, Pa. B. Bryan Musselman, 39-41 10th St.	<b>WEAN 780 500</b> Providence, R. I. New Crown Hotel
<b>WCBD 1080 5000</b> Waukegan, Ill. Kareher Hotel	<b>WEBC 1290 1000</b> Superior, Wis. Spaulding Hotel, Duluth, Minn.
<b>WCBM 1370 100</b> Baltimore, Md. Keith Theatre Bldg.	<b>WEBQ 1210 100</b> Harrisburg, Ill. 100 E. Popular St.
<b>WCBS 1420 100</b> Springfield, Ill. WCBS, Inc., 208 1/2 S. 5th.	<b>WEBR 1310 100</b> Buffalo, N. Y. Howel Broadcasting Co., Inc., 23 North

## NORTH AMERICAN B. C. STATIONS BY CALLS

<b>WEDC 1210 100 Chicago, Ill.</b> Emil Denmark, 3860 Ogden Ave.	<b>WGH 1310 100 Newport News, Va.</b> 2813 Washington Ave.
<b>WEED 1420 100 Rocky Mount, N. C.</b> Wm. Avera Wynne, Box 221	<b>WGL 1370 100 Fort Wayne, Ind.</b> F. C. Zieg, 213 W. Main St.
<b>WEEI 590 1000 Boston, Mass.</b> 182 Tremont St.	<b>WGN 720 50000 Chicago, Ill.</b> WGN, Inc., 435 N. Michigan Ave.
<b>WEEU 830 1000 Reading, Pa.</b> Berks Broadcasting Co., 533 Penn.	<b>WGNV 1210 100 Chester, N. Y.</b> Peter Goelet (Orange County)
<b>WEHC 1420 100 Charlottesville, Va.</b> P. O. Box 221	<b>WGPC 1420 100 Albany, Ga.</b> Rylander Theatre Bldg.
<b>WEHS 1420 100 Cicero, Ill.</b> WEHS, Inc., 6138 W. Cermak Rd.	<b>WGR 550 1000 Buffalo, N. Y.</b> Rand Bldg.
<b>WELI 900 500 New Haven, Conn.</b> Patrick J. Goode	<b>WGST 890 500 Atlanta, Ga.</b> Ansley Hotel
<b>WELL 1420 100 Battle Creek, Mich.</b> Enquirer News, 38 W. State St.	<b>WGY 790 50000 Schenectady, N. Y.</b> 1 River Road
<b>WEMP 1310 100 Milwaukee, Wis.</b> Milwaukee Brdestg. Co.	<b>WHA 940 1000 Madison, Wis.</b> University of Wisconsin, Radio Hall
<b>WENR 870 50000 Chicago, Ill.</b> Merchandise Mart	<b>WHAM 1150 50000 Rochester, N. Y.</b> 100 Carlson Road
<b>WESG 850 1000 Elmira, N. Y.</b> Mark Twain Hotel	<b>WHAS 820 50000 Louisville, Ky.</b> 300 W. Liberty St.
<b>WEST 1200 100 Lancaster, Pa.</b> 16 W. King St.	<b>WHAT 1310 100 Philadelphia, Pa.</b> Public Ledger Bldg.
<b>WEVD 1300 1000 New York, N. Y.</b> Jewish Daily Forward, Hotel Claridge	<b>WHAZ 1300 500 Troy, N. Y.</b> 8th St.
<b>WEW 760 1000 St. Louis, Mo.</b> St. Louis University, 221 N. Grand Blvd.	<b>WHB 860 1000 Kansas City, Mo.</b> WHB Broadcasting Co., Scarritt Bldg.
<b>WEXL 1310 50 Royal Oak, Mich.</b> 212 W. 6th St.	<b>WHBB 1500 100 Selma, Alabama</b> YNCA Bldg.
<b>WFAA 800 50000 Dallas, Texas</b> Baker Hotel	<b>WHBC 1200 100 Canton, Ohio</b> Edw. P. Graham, 319 Tusc. St., W.
<b>WFAB 1300 1000 New York, N. Y.</b> 154 W. 57th St.	<b>WHBF 1210 100 Rock Island, Ill.</b> Hotel Harms
<b>WFAM 1200 100 South Bend, Ind.</b> South Bend Tribune, 225 W. Colfax Ave.	<b>WHBI 1250 1000 Newark, N. J.</b> 100 Shipman St.
<b>WFAS 1210 100 White Plains, N. Y.</b> Hotel Roger Smith	<b>WHBL 1410 500 Sheboygan, Wis.</b> Press Publishing Co., Press Bldg.
<b>WFBC 1300 1000 Greenville, S. C.</b> Imperial Hotel	<b>WHBQ 1370 100 Memphis, Tenn.</b> Brdestg. Sta. WNBQ, Inc., Hotel Claridge
<b>WFBG 1310 100 Altoona, Pa.</b> Gable Broadcasting Co., 12th Ave. & 13th St.	<b>WHBU 1210 100 Anderson, Ind.</b> Anderson Broadcasting Corp., Box 810
<b>WFBL 1360 1000 Syracuse, N. Y.</b> Onondaga Hotel	<b>WHBY 1200 100 Green Bay, Wis.</b> WHBY, Inc., Belm Bldg.
<b>WFBM 1230 1000 Indianapolis, Ind.</b> 307 N. Pennsylvania St.	<b>WHDF 1370 100 Calumet, Mich.</b> Box 643
<b>WFBR 1270 500 Baltimore, Md.</b> 7 St. Paul St.	<b>WHDH 830 1000 Boston, Mass.</b> Matheson Radio Co., 62 Boylston
<b>WFDF 1310 100 Flint, Mich.</b> Union Industrial Bldg.	<b>WHDL 1420 100 Olean, N. Y.</b> Exchange Natl. Bank Bldg.
<b>WFEA 1340 500 Manchester, N. H.</b> Carpenter Hotel	<b>WHEB 740 250 Portsmouth, N. H.</b> Box 522, 39 Congress St.
<b>WFIL 560 1000 Philadelphia, Pa.</b> WFIL Broadcasting Co., 801 Market	<b>WHEC 1430 500 Rochester, N. Y.</b> WHEC, Inc., 40 Franklin St.
<b>WFLL 620 1000 Clearwater, Fla.</b> Box 119	<b>WHEF 1500 100 Kosciusko, Miss.</b> Box 631
<b>WFMD 900 500 Frederick, Md.</b> Francis Scott Key Hotel	<b>WHFC 1420 100 Cicero, Ill.</b> WHFC, Inc., 6138 W. Cermak Road
<b>WGAL 1500 100 Lancaster, Pa.</b> WGAL, Inc., 8 W. King St.	<b>WHIO 1260 1000 Dayton, Ohio</b> 39 S. Ludlow St.
<b>WGAR 1450 500 Cleveland, Ohio</b> WGAR Broadcasting Co., Hotel Statler	<b>WHIS 1410 250 Bluefield, W. Va.</b> Bland St.
<b>WGBB 1210 100 Freeport, N. Y.</b> H. H. Carman, 64 S. Grove St.	<b>WHJB 620 250 Greensburg, Pa.</b> Penn-Albert Hotel, 128 Pa. Ave.
<b>WGBF 630 500 Evansville, Ind.</b> 519 Vine St.	<b>WHK 1390 1000 Cleveland, Ohio</b> 1311 Terminal Tower
<b>WGBI 880 500 Scranton, Pa.</b> 1000 Wyoming Ave.	<b>WHN 1010 1000 New York, N. Y.</b> 1540 Broadway
<b>WGCM 1210 100 Gulfport, Miss.</b> Great Southern Golf Club, Box 207	<b>WHO 1000 50000 Des Moines, Iowa</b> Central Brdestg. Co., 914 Walnut St.
<b>WGES 1360 500 Chicago, Ill.</b> 4000 Washington Blvd.	<b>WHOM 1450 250 Jersey City, N. J.</b> 2870 Hudson Boulevard

## NORTH AMERICAN B. C. STATIONS BY CALLS

<b>WHP</b> 1430 500 Harrisburg, Pa. WHP, Inc., 216 Locust St.	<b>WJR</b> 750 50000 Detroit, Mich. WJR, Inc., Fisher Bldg.
<b>WIBA</b> 1280 1000 Madison, Wis. 111 King St.	<b>WJSV</b> 1460 10000 Washington, D. C. Earle Building
<b>WIBG</b> 970 100 Glenside, Pa. Seaboard Radio Brdcastg. Corp.	<b>WJTL</b> 1370 100 Atlanta, Ga. Atlanta Brdcastg. Co., Volunteer Life Bldg.
<b>WIBM</b> 1370 100 Jackson, Mich. WIBM, Inc., 306 W. Michigan Ave.	<b>WJW</b> 1210 100 Akron, Ohio WJW, Inc., 41 S. High St.
<b>WIBU</b> 1210 100 Poynette, Wis. Wm. C. Forrest, R. F. D. No. 3	<b>WJZ</b> 760 50000 New York, N. Y. 30 Rockefeller Plaza
<b>WIBW</b> 580 1000 Topeka, Kans. 11th & Topeka Blvd.	<b>WKAQ</b> 1240 1000 San Juan, P. R. Radio Corp. of Puerto Rico, Box 1414
<b>WIBX</b> 1200 100 Utica, N. Y. WIBX, Inc., 1st Natl. Bank Bldg.	<b>WKAR</b> 1040 1000 East Lansing, Mich. Michigan State College
<b>WICC</b> 600 500 Bridgeport, Conn. Stratfield Hotel	<b>WKBB</b> 1500 100 East Dubuque, Ill. Hotel Julien
<b>WIL</b> 1200 100 St. Louis, Mo. Melbourne Hotel	<b>WKBH</b> 1380 1000 LaCrosse, Wis. WKBH, Inc., 409 Main St.
<b>WILL</b> 890 250 Urbana, Ill. University of Illinois	<b>WKBI</b> 1420 100 Cicero, Ill. WKBI, Inc., 6138 W. Cermak Road
<b>WILM</b> 1420 100 Wilmington, Del. 920 King St.	<b>WKBN</b> 570 500 Youngstown, Ohio 17 N. Champion St.
<b>WIND</b> 560 1000 Gary, Ind. 504 Broadway	<b>WKBO</b> 1200 100 Harrisburg, Pa. Penn Harris Hotel
<b>WINS</b> 1180 1000 New York, N. Y. 114 E. 58th St., Hearst Radio, Inc.	<b>WKBV</b> 1500 100 Richmond, Ind. Knox Radio Corp., Box 308
<b>WIOD</b> 1300 1000 Miami, Fla. News Tower, Boscayne Blvd.	<b>WKBW</b> 1480 5000 Buffalo, N. Y. Rand Bldg.
<b>WIP</b> 610 1000 Philadelphia, Pa. Gimbel Bldg., 9th & Chestnut Sts.	<b>WKBZ</b> 1500 100 Muskegon, Mich. Occidental Hotel Bldg.
<b>WIRE</b> 1400 500 Indianapolis, Ind. 540 N. Meridian St.	<b>WKEU</b> 1500 100 Griffin, Ga. Radio Station WKEU, 906 Hill St.
<b>WIS</b> 1010 500 Columbia, S. C. Station WIS, Inc., Box 635	<b>WKOK</b> 1210 100 Sunbury, Pa. 1150 N. Front St.
<b>WISN</b> 1120 250 Milwaukee, Wis. 123 W. Michigan St., Hearst Radio, Inc.	<b>WK</b> 550 1000 Cincinnati, Ohio WKRC, Inc., Hotel Alms
<b>WJAC</b> 1310 100 Johnstown, Pa. WJAC, Inc., Locust St.	<b>WKY</b> 900 1000 Oklahoma City, Okla. Plaza Court Bldg.
<b>WJAG</b> 1060 1000 Norfolk, Neb. Norfolk Daily News	<b>WKZO</b> 590 1000 Kalamazoo, Mich. John E. Fetzer, Burdick Hotel
<b>WJAR</b> 890 500 Providence, R. I. Outlet Co., Weybossett St.	<b>WLAC</b> 1470 5000 Nashville, Tenn. WLAC, Inc., 2421 West End Ave.
<b>WJAS</b> 1290 1000 Pittsburgh, Pa. Chamber of Commerce Bldg.	<b>WLAP</b> 1420 100 Lexington, Ky. Main & Esplanade
<b>WJAX</b> 900 1000 Jacksonville, Fla. City of Jacksonville	<b>WLB</b> 1250 1000 Minneapolis, Minn. University of Minnesota
<b>WJAY</b> 610 500 Cleveland, Ohio 1224 Huron Road	<b>WLBC</b> 1310 100 Muncie, Ind. D. A. Burton, Anthony Bldg.
<b>WJBC</b> 1200 100 Bloomington, Ill. Kaskaskia Broadcasting Co.	<b>WLBK</b> 1420 100 Kansas City, Kans. 901 N. 8th Street
<b>WJBK</b> 1500 100 Detroit, Mich. 6559 Hamilton Ave.	<b>WLBL</b> 900 2500 Stevens Point, Wis. Fox Theater Bldg.
<b>WJBL</b> 1200 100 Decatur, Ill. Gushard Bldg.	<b>WLBZ</b> 620 500 Bangor, Me. Maine Broadcasting Co., Inc., 100 Main
<b>WJBO</b> 1420 100 Baton Rouge, La. 334 Florida Street	<b>WLEU</b> 1420 100 Erie, Pa. Commerce Building
<b>WJBR</b> 1420 100 Gastonia, N. C. J. B. Roberts	<b>WLLH</b> 1370 100 Lowell, Mass. Merrimac Brdcastg. Co., Box D
<b>WJBW</b> 1200 100 New Orleans, La. C. C. Carlson, Godchaux Bldg.	<b>WLNH</b> 1310 100 Laconia, N. H. 523 Main St.
<b>WJBY</b> 1210 100 Gadsden, Ala. Gadsden Broadcasting Co., 112 N. 8th St.	<b>WLS</b> 870 50000 Chicago, Ill. 1230 W. Washington Blvd.
<b>WJDX</b> 1270 1000 Jackson, Miss. Lamar Life Bldg.	<b>WLTH</b> 1400 500 Brooklyn, N. Y. 105 2nd Ave., (N. Y. City)
<b>WJEJ</b> 1210 100 Hagerstown, Md. Lovely Dame Bldg.	<b>WLVA</b> 1200 100 Lynchburg, Va. 915 Main St.
<b>WJIM</b> 1210 100 Lansing, Mich. Capital City Brdcastg. Co.	<b>WLW</b> 700 500000 Cincinnati, Ohio 1329 Arlington St.
<b>WJJD</b> 1130 20000 Chicago, Ill. WJJD, Inc., 201 N. Wells St.	<b>WLWL</b> 1100 5000 New York, N. Y. 415 W. 59th St.
<b>WJMS</b> 1420 100 Ironwood, Mich. WJMS, Inc., St. James Hotel	<b>WMAL</b> 630 250 Washington, D. C. 712-11th St., N. W.

## NORTH AMERICAN B. C. STATIONS BY CALLS

<b>WMAQ 670 50000</b> Chicago, Ill. Merchandise Mart	<b>WNRA 1420 100</b> Sheffield, Ala. P. O. Box 486.
<b>WMAS 1420 100</b> Springfield, Mass. WMAS, Inc., 70 Chestnut St.	<b>WNRI 1200 100</b> Newport, R. I. S. George Webb, 21 Bull St.
<b>WMAZ 1180 1000</b> Macon, Ga. 211 Cotton Ave.	<b>WNYC 810 1000</b> New York, N. Y. Centre & Duane Sts.
<b>WMBC 1420 100</b> Detroit, Mich. 7310 Woodward Ave.	<b>WOAI 1190 50000</b> San Antonio, Texas Southland Industries, Inc., 1038 Navarro
<b>WMBD 1440 500</b> Peoria, Ill. 114 N. Madison St.	<b>WOC 1370 100</b> Davenport, Iowa 1002 Brady Street
<b>WMBG 1210 100</b> Richmond, Va. 914 W. Broad St.	<b>WOCL 1210 50</b> Jamestown, N. Y. A. E. Newton, 840 N. Main St.
<b>WMBH 1420 100</b> Joplin, Mo. 1334 Roosevelt St.	<b>WOI 640 5000</b> Ames, Iowa Iowa State College
<b>WMBI 1080 5000</b> Chicago, Ill. 153 Institute Place	<b>WOKO 1430 500</b> Albany, N. Y. WOKO, Inc., Hotel Ten Eyck
<b>WMBO 1310 100</b> Auburn, N. Y. WMBO, Inc., Metcalf Bldg.	<b>WOL 1310 100</b> Washington, D. C. American Broadcasting Co., Annapolis Hotel
<b>WMBQ 1500 100</b> Brooklyn, N. Y. Metropolitan Brdcastg. Corp., 95 Leonard St.	<b>WOMT 1210 100</b> Manitowoc, Wis. Francis M. Kadow, Box 326
<b>WMBR 1370 100</b> Jacksonville, Fla. F. J. Reynolds, Carling Hotel	<b>WOOD 1270 500</b> Grand Rapids, Mich. Grand Rapids Natl. Bank Bldg.
<b>WMC 780 1000</b> Memphis, Tenn. WMC, Inc., Hotel Gayoso	<b>WOPI 1500 100</b> Bristol, Tenn. 22nd & State Sts.
<b>WMCA 570 500</b> New York, N. Y. 1697 Broadway	<b>WOR 710 50000</b> Newark, N. J. 147 Market St.
<b>WMEX 1500 100</b> Boston, Mass. The Northern Corp., Hotel Manger	<b>WORC 1280 500</b> Worcester, Mass. Alfred F. Kleindienst, 60 Franklin St.
<b>WMFD 1370 100</b> Wilmington, N. C. Hotel Wilmington	<b>WORK 1320 1000</b> York, Pa. York Broadcasting Co., 15 S. Beaver St.
<b>WMFF 1310 100</b> Plattsburg, N. Y. Hotel Cumberland	<b>WOS 630 500</b> Jefferson City, Mo. State Highway Control, Capitol Bldg.
<b>WMFG 1210 100</b> Hibbing, Minn. Head of the Lakes Brdcastg. Co.	<b>WOSU 570 750</b> Columbus, Ohio Ohio State University
<b>WMFJ 1420 100</b> Daytona Beach, Fla. W. Wright Esch, 126 1/2 Magnolia Ave.	<b>WOV 1130 1000</b> New York, N. Y. 132 West 43rd St.
<b>WMFN 1210 100</b> Clarksdale, Miss. Atala Brdcastg. Corp., Box 180	<b>WOW 590 1000</b> Omaha, Neb. Woodmen of the World, 4th and Farnam
<b>WMFO 1370 100</b> Decatur, Ala. James R. Doss, Jr.	<b>WQVO 1150 10000</b> Fort Wayne, Ind. Main Auto Supply Co., 213 W. Main
<b>WMFR 1200 100</b> High Point, N. C. Hart & Nelson	<b>WPAD 1420 100</b> Paducah, Ky. 2201 Broadway
<b>WMMN 890 500</b> Fairmount, W. Va. West Va. Brdcastg. Corp., 208 Main St.	<b>WPAR 1420 100</b> Parkersburg, W. Va. Chancellor Hotel
<b>WMP-C 1290 100</b> Lapeer, Mich. 81 Liberty St.	<b>WPAX 1210 250</b> Thomasville, Ga. H. Wimpy, 135 E. Jackson St.
<b>WMT 600 1000</b> Cedar Rapids, Iowa Hotel Montrose	<b>WPAY 1370 100</b> Portsmouth, Ohio Veebee Corp.
<b>WNAC 1230 1000</b> Boston, Mass. 21 Brookline Ave.	<b>WPEN 920 250</b> Philadelphia, Pa. 22nd & Walnut Sts.
<b>WNAD 1010 1000</b> Norman, Okla. University of Oklahoma	<b>WPFB 1370 100</b> Hattiesburg, Miss. Forest Brdcastg. Co., 512 Main St.
<b>WNAX 570 1000</b> Yankton, S. D. House of Gurney, Inc., 2nd and Capital St.	<b>WPG 1100 5000</b> Atlantic City, N. J. City of Atlantic City, Convention Hall
<b>WNBC 1380 250</b> New Britain, Conn. Wm. J. Sanders, 147 Main St.	<b>WPHR 880 500</b> Petersburg, Va. WLBG, Inc., Medical Arts Bldg.
<b>WNBF 1500 100</b> Binghamton, N. Y. Arlington Hotel	<b>WPRO 630 250</b> Providence, R. I. Cherry & Webb Brdcastg. Co., 15 Chestnut
<b>WNBH 1310 100</b> New Bedford, Mass. 251 Union St.	<b>WPRP 1420 100</b> Ponce, P. R. Julio M. Conesa
<b>WNBR 1430 500</b> Memphis, Tenn. Memphis Broadcasting Co., Hotel DeVoy	<b>WPTF 680 5000</b> Raleigh, N. C. 324 Fayetteville St.
<b>WNBX 1260 1000</b> Springfield, Vt. WNBX Broadcasting Corp., 39 Main St.	<b>WQAM 560 1000</b> Miami, Fla. Miami Brdcastg. Co., Inc., 327 N. E. 1st Ave.
<b>WNBZ 1290 100</b> Saranac Lake, N. Y. Smith & Mace, 70 Broadway	<b>WQAN 880 250</b> Scranton, Pa. Scranton Times, 149 Penn Ave.
<b>WNEL 1290 500</b> San Juan, P. R. Box 1252	<b>WQBC 1360 1000</b> Vicksburg, Miss. Delta Broadcasting Co., Hotel Vicksburg
<b>WNEW 1250 1000</b> Newark, N. J. Wodaam Corp., 100 Shipman St.	<b>WQDM 1370 100</b> St. Albans, Vt. 42 N. Main St.
<b>WNOX 560 1000</b> Knoxville, Tenn. WNOX, Inc., Hotel Andrew Johnson	<b>WRAK 1370 100</b> Williamsport, Pa. WRAK, Inc., 244 W. 4th St.

## NORTH AMERICAN B. C. STATIONS BY CALLS

<b>WRWA 1310 100 Reading, Pa.</b> Reading Broadcasting Co., 533 Penn St.	<b>WSVA 550 500 Harrisonburg, Va.</b> Main & Market Sts.
<b>WRAX 920 250 Philadelphia, Pa.</b> WRAX Broadcasting Co., 217 S. Broad St.	<b>WSVS 1370 50 Buffalo, N. Y.</b> 666 E. Delavan Ave
<b>WRBL 1200 100 Columbus, Ga.</b> Royal Theatre Bldg.	<b>WSYV 1500 100 Rutland, Vt.</b> Philp Weiss Music Co., Box 328
<b>WRC 950 500 Washington, D. C.</b> National Press Bldg.	<b>WSYR 570 250 Syracuse, N. Y.</b> 315 Starret-Syracuse Bldg.
<b>WRDO 1370 100 Augusta, Me.</b> WRDO, Inc., Augusta House	<b>WTAD 900 500 Quincy, Ill.</b> Illinois Brdcastg. Corp., State and 6th
<b>WRDW 1500 100 Augusta, Ga.</b> Augusta Brdcastg. Co., 309 8th St.	<b>WTAG 580 500 Worcester, Mass.</b> 18 Franklin St.
<b>WREC 600 1000 Memphis, Tenn.</b> WREC, Inc., Hotel Peabody	<b>WTAL 1310 100 Tallahassee, Fla.</b> Florida Capitol Broadcasters, Inc.
<b>WREN 1220 1000 Lawrence, Kans.</b> WREN Brdcastg. Co., 7th and Vermont St.	<b>WTAM 1070 50000 Cleveland, Ohio</b> 1367 E. 6th St
<b>WRGA 1500 100 Rome, Ga.</b> 10 Third Ave.	<b>WTAQ 1330 1000 Eau Claire, Wis.</b> WHBY Inc., Hotel Eau Claire
<b>WRJN 1370 100 Racine, Wis.</b> Racine Broadcasting Corp., Hotel Racine	<b>WTAR 780 500 Norfolk, Va.</b> WTAR Radio Corp., Bank of Com. Bldg.
<b>WROK 1410 500 Rockford, Ill.</b> 109 So. Water St.	<b>WTAW 1120 500 College Station, Tex.</b> Agricultural and Mechanical College
<b>WROL 1310 100 Knoxville, Tenn.</b> Stuart Broadcasting Corp., 524 S. Gay	<b>WTAX 1210 100 Springfield, Ill.</b> WTAX, Inc., 416 E. Capitol Ave.
<b>WRR 1280 500 Dallas, Texas</b> City of Dallas, Southland Life Bldg.	<b>WTBO 800 250 Cumberland, Md.</b> Associated Brdcastg. Corp., Box 794
<b>WRUF 830 5000 Gainesville, Fla.</b> State University	<b>WTCN 1250 1000 Minneapolis, Minn.</b> Wesley Temple Bldg
<b>WRVA 1110 5000 Richmond, Va.</b> Larus & Bros Co., Inc., 22nd and Gary St.	<b>WTEL 1310 100 Philadelphia, Pa.</b> 3701 N. Broad Street
<b>WSAI 1330 1000 Cincinnati, Ohio</b> Crosley Radio Corp., 1329 Arlington	<b>WTFI 1450 500 Athens, Ga.</b> Liberty Brdcastg. Co., 133 E. Washington St
<b>WSAJ 1310 100 Grove City, Pa.</b> Grove City College, 418 Poplar St.	<b>WTIC 1040 50000 Hartford, Conn.</b> 26 Grove St.
<b>WSAN 1440 500 Allentown, Pa.</b> WSAN, Inc., 39 10th St.	<b>WTJS 1310 100 Jackson, Tenn.</b> Sun Publishing Co., Sun Bldg.
<b>WSAR 1450 250 Fall River, Mass.</b> Academy of Music Bldg	<b>WTMJ 620 1000 Milwaukee, Wis.</b> The Journal Co., 333 W. State St.
<b>WSAY 1210 100 Rochester, N. Y.</b> Brown Radio Service, 192 S. Goodman St.	<b>WTMV 1500 100 East St. Louis, Ill.</b> Mississippi Valley Brdcastg. Co.
<b>WSAZ 1190 1000 Huntington, W. Va.</b> WSAZ, Inc., P. O. Box 729	<b>WTNJ 1280 500 Trenton, N. J.</b> Trenton Brdcastg. Co., Stacy Trent Hotel
<b>WSB 740 50000 Atlanta, Ga.</b> Atlanta Journal, 7 N. Forsyth St.	<b>WTQC 1260 1000 Savannah, Ga.</b> Savannah Brdcastg. Co., De Soto Hotel
<b>WSBC 1210 100 Chicago, Ill.</b> Gene T. Dyer, 1258 S. Michigan Ave.	<b>WTRC 1310 100 Elkhart, Ind.</b> Truth Pub. Co., Inc., Hotel Elkhart
<b>WSBT 1360 500 South Bend, Ind.</b> South Bend Tribune, 225 W. Colfax Ave	<b>WVFW 1400 500 Brooklyn, N. Y.</b> Paramount Brdcastg. Co., 4 & 5 Court Sq.
<b>WSFA 1410 500 Montgomery, Ala.</b> Jefferson Davis Hotel	<b>WWAE 1200 100 Hammond, Ind.</b> 402 Hammond Bldg.
<b>WSGN 1310 100 Birmingham, Ala.</b> Tutwiler Hotel	<b>WWC 1420 1000 Spartanburg, S. C.</b> Virgil V. Evans, Ravenal & Avant St.
<b>WSIX 1210 100 Springfield, Tenn.</b> 638 Tire & Vulcanizing Co.	<b>WWJ 920 1000 Detroit, Mich.</b> Evening News Assn., 616 Lafayette Bld.
<b>WSJS 1310 100 Winston-Salem, N. C.</b> Winston-Salem Journal Co., 416 N. Marshall	<b>WWL 850 10000 New Orleans, La.</b> Loyola University, Roosevelt Hotel
<b>WSM 650 50000 Nashville, Tenn.</b> 301-7th Ave. No.	<b>WWNC 570 1000 Asheville, N. C.</b> Citizen Brdcastg. Co., Inc., Flatiron Bldg.
<b>WSMB 1320 500 New Orleans, La.</b> WSMB, Inc., Maison Blanche Bldg	<b>WWRL 1500 100 Woodside, N. Y.</b> 41-30 58th St.
<b>WSMK 1380 200 Dayton, Ohio</b> WSMK, Inc., 121 N. Main St.	<b>WWSW 1500 100 Pittsburgh, Pa.</b> Hotel Keystone
<b>WSOC 1210 100 Charlotte, N. C.</b> WSOC, Inc., 516 W. Trade St.	<b>WWVA 1160 5000 Wheeling, W. Va.</b> Hawley Bldg.
<b>WSPA 920 1000 Spartanburg, S. C.</b> Virgil V. Evans, Ravenal and Avant St.	<b>WXYZ 1240 1000 Detroit, Mich.</b> Macabees Bldg.
<b>WSPD 1340 1000 Toledo, Ohio</b> Toledo Broadcasting Co., 505 Jefferson	<b>W1XBS 1530 1000 Waterbury, Conn.</b> 61 Leavenworth St., Amer. Republican, Inc.
<b>WSUI 880 900 Iowa City, Iowa</b> State University of Iowa	<b>W2XR 1550 1000 Long Island City, N. Y.</b> Scientific Brdcastg. Serv., 41 Park Row, N. Y.
<b>WSUN 620 1000 St. Petersburg, Fla.</b> Recreation Pier	<b>W6XAI 1550 1000 Bakersfield, Calif.</b> Pioneer Mercantile Co.

## NORTH AMERICAN B. C. STATIONS BY CALLS

<b>W9XB</b> 1530 1000 106 West 14th St.	<b>Kansas City, Mo.</b>	<b>XELO</b> 1110 10000 Piedras Negras Brdstg. Co.	<b>Piedras Negras, Coah.</b>
<b>XE</b> 1060 500 Edificio Assad., Pedro Loza 28	<b>Guadalajara, Jal.</b>	<b>XEMA</b> 1080 50 Manuel M. Pier, Aretasuns 10	<b>Tampico, Tams.</b>
<b>XEAA</b> 920 200 P. O. Box 714 (Calexico, Calif.)	<b>Mexicali, B. C.</b>	<b>XEMO</b> 860 5000 P. O. Box 202, San Diego, Calif.	<b>Tijuana, L. C.</b>
<b>XEAF</b> 990 500 Francisco G. Elias, Hotel Central	<b>Nogales, Son.</b>	<b>XEMX</b> 1280 12 Alfonzo T. Avales, Salamanca 87	<b>Mexico City, D. F.</b>
<b>XEAI</b> 1240 100 Carlos Gonzales Caballero, Insurgentes 366	<b>Hotel City, D. F.</b>	<b>XEMZ</b> 1210 250 Ave. "D" No. 542	<b>Tijuana, L. C.</b>
<b>XEAJ</b> 1310 15 Enrique M. Crihuela, 3a. Guerrero 18	<b>Oaxaca, Oax.</b>	<b>XEN</b> 710 1000 Corveceria Modelo Ave. Juarez 77	<b>Mexico City, D. F.</b>
<b>XEAM</b> 750 7.5 Edificio Banco Longoria	<b>Matamoros, Tams.</b>	<b>XENT</b> 910 65000 Box 410, Laredo, Texas	<b>Nuevo Laredo, Tams.</b>
<b>XEAO</b> 560 250 Luis L. Castro, C. Altamirano 156	<b>Mexicali, B. C.</b>	<b>XEOK</b> 760 250 Carlos de la Sierra, Calle 5a 312	<b>Tijuana, L. C.</b>
<b>XEAS</b> 1160 100 "La Voz del Comercio en Saltillo"	<b>Saltillo, Coah.</b>	<b>XEOX</b> 640 500 Victoria No. 4, Altos	<b>Saltillo, Coah.</b>
<b>XEAW</b> 960 50000 Apartado No. 6	<b>Reynosa, Tams.</b>	<b>XEP</b> 840 500 Cla Difusora de Mexico S. A., Rembrandt 11	<b>Mexico City, D. F.</b>
<b>XEAZ</b> 1420 7 Antonio Zavala, Pasco de la Presa 85	<b>Guanajuato, Gto.</b>	<b>XEPN</b> 590 50000 Piedras Negras Brdstg. Co., Box 360	<b>Piedras Negras, Coah.</b>
<b>XEB</b> 1030 10000 El Buen Tono, S. A., Apdo. 79-44	<b>Mexico City, D. F.</b>	<b>XES</b> 990 250 Fernando Sada, Box 309	<b>Tampico, Tams.</b>
<b>XEC</b> 1160 30 Luis F. Enciso, Teatro Zaragoza	<b>Tijuana, B. C.</b>	<b>XET</b> 690 500 P. O. Box 203, Hidalgo	<b>Monterrey, N. L.</b>
<b>XECW</b> 1310 10 Maria Elena Bravode Cordero, Ave. Juarez 104	<b>Mexico City, D. F.</b>	<b>XETB</b> 1310 125 P. O. Box 225	<b>Torreón, Coah.</b>
<b>XECL</b> 1155 2500 Cla. Radiofonografica, Apdo. 197	<b>Guadalajara, Jal.</b>	<b>XETF</b> 1220 12 Jose M. Lopez, Independencia 28	<b>Veracruz, Ver.</b>
<b>XEE</b> 1210 50 20 de Nov. 112 (Apdo. 148)	<b>Durango, Dgo.</b>	<b>XETH</b> 1210 100 Ramon Huerta G., Calle 17, Oriente 11	<b>Puebla, Pue.</b>
<b>XEFA</b> 1180 500 Eduardo Limon Segul, Mediterráneo 236	<b>Mexico City, D. F.</b>	<b>XETW</b> 820 500 Rafael M. Pena, Ave. 16 de Sep. 83	<b>Mexico City, D. F.</b>
<b>XEFB</b> 1420 100 Jesus Quintanilla, P. O. Box 317	<b>Monterrey, N. L.</b>	<b>XEU</b> 1010 250 Fernando Pazos Sosa, Independencia 98	<b>Veracruz, Ver.</b>
<b>XEFC</b> 560 100 J. Molina Font, Calle 59, 517	<b>Merica, Yuc.</b>	<b>XEW</b> 890 50000 P. O. Box 2516	<b>Mexico City, D. F.</b>
<b>XEFE</b> 850 250 R. T. Carranza, Km. 4 Carretera Laredo Mt.	<b>Laredo, Tams.</b>	<b>XEWZ</b> 1150 100 P. O. Box 291	<b>Mexico City, D. F.</b>
<b>XEFI</b> 1440 250 Feliciano Lopez Isles, Ap. 157	<b>Chihuahua, Chih.</b>	<b>XEX</b> 1310 125 L. F. Petit Jean, P. O. Box 10.	<b>Monterrey, N. L.</b>
<b>XEFJ</b> 1230 100 R. Junco de la Vega, P. O. Box 186	<b>Monterrey, N. L.</b>	<b>XEY</b> 1000 10 Calle 64, Numero 568	<b>Merida, Yuc.</b>
<b>XEFL</b> 1150 500 (P. O. Box 6, San Diego, Cal.)	<b>Tijuana, L. C.</b>	<b>XEYZ</b> 780 10000 Angel M. Diez, Ave. Juarez 48	<b>Mexico City, D. F.</b>
<b>XEFO</b> 940 5000 Reforma No. 137	<b>Mexico City, D. F.</b>	<b>XEZ</b> 630 500 Jorge L. Falomeques, Estamores Ctd 214	<b>Merida, Yuc.</b>
<b>XEFV</b> 1210 100 Cordova & Prieto, Ave. Ferrocaril 104	<b>Jaurez, Chih.</b>	<b>XEZZ</b> 1370 100 Emilio Delgado It. Ave. Chucosén 32	<b>San Luis Potosi, SLP</b>
<b>XEFW</b> 1310 250 J. E. Martinez, Salvador Diaz Miron 6	<b>Tampico, Tams.</b>	<b>XFA</b> 1310 5 A. Postal 92	<b>Agascalientes, Ags.</b>
<b>XEFZ</b> 1370 100 Manuel Zetina, Cedro & Nonoaleo No. 344	<b>Mexico City, D. F.</b>	<b>XFB</b> 1270 250 Gobierno del Estado de Veracruz	<b>Jalapa, Ver.</b>
<b>XEG</b> 1270 200 Juan C. Chavez	<b>Ensenada, B. C.</b>	<b>XFC</b> 810 350 Gobierno del Estado de Aguascalientes	<b>Agascalientes, Ags.</b>
<b>XEH</b> 1150 250 Tarnava y Cia, P. O. Box 147	<b>Monterrey, N. L.</b>	<b>XFD</b> 1340 350 Gobierno Estado de Veracruz	<b>Jalapa, Ver.</b>
<b>XEI</b> 1370 125 Carlos Gutierrez M., F. I. Madero 545	<b>Morelia, Mich.</b>	<b>XFO</b> 940 5000 Nat. Rev. Party, Ave. Morelos 110	<b>Mexico City, D. F.</b>
<b>XEJ</b> 1020 1000 Juan G. Buttner, P. O. Box 111	<b>Jaurez, Chih.</b>	<b>XFX</b> 610 1000 secretaria de Educacion Publica	<b>Mexico City, D. F.</b>
<b>XEK</b> 990 100 Arturo Martinez, Jalapa No. 51	<b>Mexico City, D. F.</b>	<b>YNLF</b> 1275 20	<b>Managua, Nicaragua</b>
<b>XEKL</b> 1240 500 5 de Mayo 26	<b>Leon, Guan.</b>	<b>YNOP</b> 1230 100	<b>Managua, Nicaragua</b>
<b>XEL</b> 1100 250 Calzada del Rosel No. 1	<b>Mexico City, D. F.</b>	<b>YNVA</b> 950 30	<b>Managua, Nicaragua</b>

*In the January issue, the Short Wave Stations will be given. The foreign broadcast stations will appear again in February.*

# AROUND the CLOCK on the SHORT WAVES

MIDNIGHT TO NOON (EST)

GMT	5:00	6:00	7:00	8:00	9:00	10:00	11:00	12:00	13:00	14:00	15:00	16:00
AST	1:00	2:00	3:00	4:00	5:00	6:00	7:00	8:00	9:00	10:00	11:00	12:00
EST	12:00	1:00	2:00	3:00	4:00	5:00	6:00	7:00	8:00	9:00	10:00	11:00
CST	11:00	12:00	1:00	2:00	3:00	4:00	5:00	6:00	7:00	8:00	9:00	10:00
MST	10:00	11:00	12:00	1:00	2:00	3:00	4:00	5:00	6:00	7:00	8:00	9:00
PST	9:00	10:00	11:00	12:00	1:00	2:00	3:00	4:00	5:00	6:00	7:00	8:00
	DJA DJN DJQ VPD VK2ME W3XAL W8XAL W8XK	DJA DJN DJQ VPD VK2ME W3XAL W9XF	GSB GSD W9XF	GSB GSD PCJ VK3LR RV15	DJB DJN DJM JVM PCJ RV15 VK2ME VK3LR	DJB DJN HJV JVM LKJ1 LKJ1 RV15 VK2ME VK3LR VK3ME YDA YDB	DJB DJN JVM LKJ1 RNE RV15 VK2ME VK3LR VK3ME YDA YDB	GSF GSG JVM LKJ1 PCJ RNE RV15 VK2ME VK3LR VK2ME VK3LR W1XK W8XAL W8XK YDA YDB	DJA DJB DJE DJN GSF GSG PCJ PHI RNE VK2ME W1XK W8XK YDA YDB	DJA DJB DJE DJN GSB GSE GSF GSG HAS3 PCJ PHI RNE W1XK W8XK	DJA DJB DJE DJN GSB GSE GSF GSG HVJ PCJ PHI RNE W1XK W8XAL W9XAA	DJA DJB DJE DJN GSB GSE GSF GSG Pont. W1XK W2XE W3XL W8XK W9XAA

NOON TO MIDNIGHT (EST)

GMT	17:00	18:00	19:00	20:00	21:00	22:00	23:00	24:00	1:00	2:00	3:00	4:00
AST	1:00	2:00	3:00	4:00	5:00	6:00	7:00	8:00	9:00	10:00	11:00	12:00
EST	12:00	1:00	2:00	3:00	4:00	5:00	6:00	7:00	8:00	9:00	10:00	11:00
CST	11:00	12:00	1:00	2:00	3:00	4:00	5:00	6:00	7:00	8:00	9:00	10:00
MST	10:00	11:00	12:00	1:00	2:00	3:00	4:00	5:00	6:00	7:00	8:00	9:00
PST	9:00	10:00	11:00	12:00	1:00	2:00	3:00	4:00	5:00	6:00	7:00	8:00
	DJC DJD EAQ GSB GSD GSI GSL ORK Pont. W1XK W2XE W3XAU W8XAL W8XK W9XAA	DJC DJD EAQ GSB GSD GSI GSL ORK Pont. W1XK W3XAU W8XK W9XAA	DJC DJD GSB GSD GSI GSL I2RO W1XK W3XAU W8XK W9XAA	CJRO CJRX DJC DJD GSA GSI I2RO Pont. W1XK W2XE W3XAU W8XK W9XAA	CJRO CJRX CT1AA DJA DJD DJN EAQ GSA GSB GSC HBL Pont. W1XK W2XE W3XAU W8XAL W8XK W9XAA XEBT YV3RC	CJRO CJRX COCO CRCX CT1AA DJA DJN DJC DJA GSA GSI GSC HBL Pont. W1XK W2XE W3XAU W8XK W9XAA XEBT YV2RC YV3RC YV4RC YV5RMO	CJRO CJRX COCO CRCX CT1AA DJA DJN DJC DJA GSA GSI GSC HBL Pont. W1XK W2XE W3XAU W8XK W9XAA XEBT YV2RC YV3RC YV4RC YV5RMO	CJRO CJRX COCO CRCX DJA DJA DJA DJA GSC HC2RL HJ1ABB HP5B HP5B W1XAL W1XK W2XAF W2XE W3XAU W8XK W9XAA XEBT YV2RC YV3RC YV4RC YV5RMO	CEC CJRO CJRX COCO COCO CRCX DJA DJA DJA DJA HIX HJ1ABB HP5B TIEP W1XAL W1XK W2XAF W2XE W3XAU W8XK W9XAA XEBT YV2RC YV3RC YV4RC YV5RMO	CJRO CJRX COCO COCO CRCX DJA DJN HC2ET HIX HJ1ABB HP5B TIEP W1XAL W1XK W2XAF W2XE W3XAU W8XK W9XAA XEBT YV2RC YV3RC YV4RC YV5RMO	CJRO CJRX COCO COCO CRCX DJA DJN GSC HC2ET HIX HJ1ABB HP5B TIEP W1XAL W1XK W2XAF W2XE W3XAU W8XK W9XAA XEBT YV2RC YV3RC YV4RC YV5RMO	CJRO CJRX COCO COCO CRCX HJ4ABL TGWA TG1X W1XK W3XAU W8XK W9XAA W9XF



# BEST SHORTWAVE BROADCASTING STATIONS BY CALL LETTERS

Frequencies are given in megacycles and the time is Eastern Standard.

- CCEC, Santiago, Chile, 10.670. Daily, 2000-2100; Thu., Sun. 2030-2100.
- CJRO, Winnipeg, Man. 6.150. Sun. 1500-2200; other days, 2000-2400
- CJRN, Winnipeg, Man., 11.720. Sun., 1500-2200; other days, 2000-2400.
- COCB, Havana, Cuba, 6.130. Sun., 1700-2300; weekdays, 1100-2400.
- COCH, Havana, Cuba, 9.428. Daily 1000-1200; 1600-1800; 2100-2200.
- COCO, Havana, Cuba, 6.010. Daily 1600-1900.
- CO9CG, Santiago, Cuba, 6.150. Sun., 0000-0200.
- CO9JQ, Camaguey, Cuba, 8.665.
- CO9WR, Sancti-Spiritus, Cuba, 11.800.
- CRCX, Bowmanville, Ont., 6.090. Daily 1830-2330.
- CTIAA, Lisbon, Portugal, 9.600. Tues., Thurs., Sat., 1630-1900.
- DJA, Berlin, Germany, 9.560, 0030-0215; 0800-1130; 1705-2115.
- DJB, Berlin, Germany, 15.200. 0345-0715; 0800-1130.
- DJC, Berlin, Germany, 6.020. 1200-1630; 1700-2245.
- DJD, Berlin, Germany, 11.770. 1200-1630.
- DJE, Berlin, Germany, 17.760. 0800-1130.
- DJN, Berlin, Germany, 9.540. 0030-0215; 0345-0715; 1705-2115.
- DJQ, Berlin, Germany, 15.280. 0030-0215
- EAQ, Madrid, Spain, 9.862. 1730-1900; Sat., 1200-1400.
- GSA, Daventry, England, 6.050. 1600-1745
- GSB, Daventry, England, 9.510. 0215-0415; 0900-1200; 1215-1845; 1600-1745; 1800-2000
- GSC, Daventry, England, 9.580. 1600-1745; 1800-2000; 2200-2300
- GSD, Daventry, England, 11.750. 0215-0415; 1215-1845; 2200-2300
- GSE, Daventry, England, 11.860. 0900-1200
- GSF, Daventry, England, 15.140. 0700-0845; 0900-1200
- GSG, Daventry, England, 17.790. 0700-0845; 0900-1200
- GSI, Daventry, England, 15.260. 1215-1545
- GSL, Daventry, England, 6.110. 1215-1545; 1800-2000; 2200-2300
- HASS, Budapest, Hungary, 15.370. Sun. 0900-1000.
- HAT4, Budapest, Hungary, 9.125. Sun., 1800-1900.
- HLB, Geneva, Switz., 9.595. Sat., 1730-1815.
- HBP, Geneva, Switz., 7.797. Sat., 1730-1815.
- HCJB, Quito, Ecuador, 8.214. Daily exe. Mon., 1915-2315.
- HC2ET, Guayaquil, Ecuador, 4.600. Wed., Sat., 2130-2300.
- HC2RL, Guayaquil, Ecuador, 6.659. Tues., 2115-2315; Sun., 1745-1945.
- HIH, San Pedro de Macoris, D. R., 6.800. 1600-2030.
- HIY, Santo Domingo, D. R., 5.980. Tues., Fri., 2000-2200.
- HIZ, Santo Domingo, D. R., 6.315. Sat., 2300-0100; daily exe. Sun., 1700-1800.
- HJ1AB, Barranquilla, Colombia, 6.447. 1700-2200.
- HJ1ABD, Cartagena, Colombia, 7.280. 1945-2115
- HJ1ABE, Cartagena, Colombia, 6.115. Sun. at 0400; Mon., 2200-2400; Wed., 2000-2200.
- HJ1ABG, Barranquilla, Colombia, 6.042. 1900-2200.
- HJ1ABH, Cienaga, Colombia, 6.300. Tues., Fri., 1945-2200.
- HJ2ABC, Cucuta, Colombia, 5.975. Daily exe. Sun., 1800-2100.
- HJ3ABD, Bogota, Colombia, 7.390. 1930-2300.
- HJ3ABF, Bogota, Colombia, 6.200. 1900-2300.
- HJ3ABH, Bogota, Colombia, 6.012. Sun., 1600-2100; other days, 1800-2300.
- HJ4AB, Medellin, Colombia, 11.720. 1130-1300; 1830-2230.
- HJ4ABC, Pereira, Colombia, 6.230. 1900-2000.
- HJ4ABD, Medellin, Colombia, 5.770. 1800-2300.
- HJ4ABE, Medellin, Colombia, 5.900. 1900-2300.
- HJ4ABL, Manizales, Colombia, 6.100. Sat., 2300-2430.
- HJ5ABD, Cali, Colombia, 6.490. Thurs., Sat., Sun. 1900-2100
- HP5B, Panama City, Panama, 6.030. 1900-2200.
- HP5J, Panama City, Panama, 6.590. 1930-2200.
- HRN, Tegucigalpa, Honduras, 5.875. Daily 2000-2200.
- HVJ, Vatican City, 5.970. Sun., 0500-0530. 15.120. Tests late afternoons.
- I2RO, Rome, Italy, 9.630. Mon., Wed., Fri., 1800-1930.
- I2RO, Rome, Italy, 11.810. Daily, 1430-1700.
- JVM, Nazaqi, Japan, 10.740. Daily, 0400-0745.
- LKJ1, Jeloj, Norway, 9.540. 0500-0800.
- OAX4D, Lima, Peru, 5.780. Wed., Sat., 2100-2330
- ORB, Brussels, Belgium, 10.330. 1200-1400.
- PCJ, Hilversum, Netherlands, 15.220. Sun. 0730-1000; Tues. 0900-0600; Wed., 0700-1100.
- PHI, Hilversum, Netherlands, 11.730. 0830-1100, daily exe. Tues and Wed.
- PRADO, Riobamba, Ecuador, 6.620. Thurs., 2100-2330.
- PRF5, Rio de Janeiro, Brazil, 9.505. 1700-1745.
- RNE, Moscow, USSR, 12.000. Daily, 1400-1800; Sun., 0700-1100; Wed., 0600-0700.
- RV15, Khabarovsk, USSR., 4.273. Daily, 0300-0900.
- TGWA, Guatemala City, 6.000. Weekdays, 1930-2030; 2200-2400
- TG1X, Guatemala City, 9.450. Weekdays, 1930-2030; 2200-2400
- TG2X, Guatemala City, 5.940. Daily 2100-2200.
- TIEP, San Jose, Costa Rica, 6.710. 1900-2200.
- TIGPH, San Jose, Costa Rica, 5.820. 1900-2200.
- TIPG, San Jose, Costa Rica, 6.385. Weekdays, 1730-2230.
- TIRCC, San Jose, Costa Rica, 6.550. Daily, 1800-1900. Sun., Thurs., 2000-2100; Sun., 1100-1300.
- VK2ME, Sydney, Australia, 9.585. Sun., 0000-0200; 0430-0830; 0900-1100.
- VK3LR, Melbourne, Australia, 9.580. Mon., Tues., Wed., Thurs., 0315-0730; Fri., 2230-0200; Sat., 0500-0730.
- VK3ME, Melbourne, Australia, 9.503. Wed., Thurs., Fri., Sat., 0500-0700.
- VPD, Suva, Fiji, 13.045. 0030-0130.
- VUB, Bombay, India, 9.565. Sun., near 7 a.m.
- W1XL, Boston, Mass., 11.790. Tues., Thurs., Sun., 1830-2030.
- W1XK, Millis, Mass., 9.570. 0700-0100.
- W2XAD, Schenectady, N. Y.
- W2XAF, Schenectady, N. Y., 9.530. 1840-2300.
- W2XP, Wayne, N. J., 6.120. 2000-2300. 11.830; 1700-1900. 15.270; 1000-1700.
- W3XAL, Bound Brook, N. J., 6.100; Mon., Wed., Sat., 1700-0100. 17.780; Tues., Thurs., Fri., 1500-1600.
- W3XAU, Philadelphia, Pa., 9.590; 1200-2000.
- W3XL, Bound Brook, N. J., 17.310. 1100-1700
- W4XB, Miami, Fla., 6.040. Sun., 1130-1500; 1700-2400. Other days, 1200-1400; 1730-2400.
- WSXAL, Cincinnati, Ohio, 6.060. Sun., 0700-1900; 2200-0130. Other days, 0630-1900; 2200-0200.
- W8XK, Pittsburgh, Pa., 6.140; 2100-0100. 11.870; 1700-2100. 15.210; 0900-1900. 21.540; 0700-0900.
- W9XF, Chicago, Ill., 6.100; Monday to Friday, 0100-0200; 2100-2200; Sat., 0100-0200; Sun., 0100-0230; 2100-2200.
- XEBT, Mexico City, D. F., 6.000. 1200-2400.
- XECR, Mexico City, D. F., 7.380; Sun., 1800-1900.
- YDA, Tandjongpriok, N. E. I., 11.000. 0530-1100.
- YDB, Soerabaya, N. E. I., 4.470. 0530-1100.
- YVQ, Maracaibo, Venez., 6.672. Sat., 2000-2100.
- YV2RC, Caracas, Venezuela, 6.112. 1700-2145.
- YV3RC, Caracas, Venezuela, 6.150. 1700-2200.
- YV4RC, Caracas, Venezuela, 6.375. 1630-2230.
- YV5RMO, Maracaibo, Venezuela,

5.850. Daily exc. Sun., 1700-2130.  
 YV6RV, Valencia, Venezuela, 6.520; 1700-2200.  
 ..... Pontoise, France, 11.720.  
 1800-2100; 2200-2400.  
 11.850; 1015-1315; 1400-1700.  
 15.250;

## THE MONTH'S CHANGES IN STATION DATA

### NEW

1160 XEAS Saltillo, Coah.  
 1200 ..... San Diego, Calif.  
 1210 WSAY Rochester, N. Y.  
 1370 ..... Evansville, Ind.  
 1370 ..... Virginia, Minn.  
 1420 WJBR Gastonia, N. C.  
 1440 HP50 Colon, Panama

### POWER

640 XEOX Saltillo, Coah., 250 to 500  
 920 WAAF Chicago, Ill., 500 to 1000  
 1060 XEA Guadalajara, Jal., 125 to 500  
 1310 WLBC Muncie, Ind., 50 to 100  
 1310 WTRC Elkhart, Ind., 50 to 100  
 1450 KIEM Eureka, Calif., 100 to 500

### FREQUENCIES

680 RDN San Salvador, E. S., from 706  
 1210 WGCM Gulfport, Miss., from 1120  
 1450 KIEM Eureka, Calif., from 1210

### LOCATION

1420 WNRA Sheffield, Ala., from Muscle Shoals, Ala.

### RE-INSTATED

1150 XEFL Tijuana, L. C.  
 1300 WAML Laurel, Miss.

### DELETED

1240 XELA Saltillo, Coah.  
 1420 CKNC Toronto, Ont.

### NETWORKS

890 WMMN Fairmont, W. Va., new CBS

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See the January Radex.

STATEMENT of the ownership, management, circulation, etc., required by the Act of Congress of August 24, 1912, of Radio Index, published monthly except July and August, at Cleveland, Ohio, for Oct. 1, 1935.

State of Ohio, County of Ashtabula, ss. Before me, a Notary Public in and for the State and county aforesaid, personally appeared Fred C. Butler, who, having been duly sworn according to law, deposes and says that he is the Editor of the Radio Index, and that the following is, to the best of his knowledge and belief, a true statement of the ownership, management (and if a daily paper, the circulation), etc., of the aforesaid publication for the date shown in the above caption, required by the Act of August 24, 1912, embodied in section 411, Postal Laws and Regulations, printed on the reverse of this form, to wit:

1. That the names and addresses of the publisher, editor, managing editor, and business managers are: Publisher The Radex Press, Inc., 326 Penton Bldg., Cleveland, Ohio. Editor Fred C. Butler, Conneaut, Ohio. Managing Editor None. Business Managers, None.

2. That the owner is: (If owned by a corporation, its name and address must be stated and also immediately thereunder the names and addresses of stockholders owning or holding one per cent or more of total amount of stock. If not owned by a corporation, the names and addresses of the individual owners must be given. If owned by a firm, company, or other unincorporated concern, its name and address, as well as those of each individual member, must be given.) The Radex Press, Inc., 326 Penton Building, Cleveland, Ohio. Fred C. Butler, Conneaut, Ohio.

3. That the known bondholders, mortgagees, and other security holders owning or holding 1 per cent or more of total amount of bonds, mortgages, or other securities are: (If there are none, so state.) None.

4. That the two paragraphs next above, giving the names of the owners, stockholders, and security holders, if any, contain not only the list of stockholders and security holders as they appear upon the books of the company but also, in cases where the stockholder or security holder appears upon the books of the company as trustee or in any other fiduciary relation, the name of the person or corporation for whom such trustee is acting, is given; also that the said two paragraphs contain statements embracing affiant's full knowledge and belief as to the circumstances and conditions under which stockholders and security holders who do not appear upon the books of the company as trustees, hold stock and securities in a capacity other than that of a bona fide owner; and this affiant has no reason to believe that any other person, association, or corporation has any interest direct or indirect in the said stock, bonds, or other securities than as so stated by him.

5. That the average number of copies of each issue of this publication sold or distributed, through the mails or otherwise, to paid subscribers during the six months preceding the date shown above is (This information is required from daily publications only.)

FRED C. BUTLER, Editor.

Sworn to and subscribed before me this 4th day of October, 1935.

(Seal) C. VERN CARR, Notary Public.  
 My commission expires Feb. 21, 1939.



*Sometimes I think there ought to be a law to make everyone do a little studying every week. I didn't think that a year ago because it looked like all the cards were stacked against me. But I am surely making good money now. Maybe my story will show you the way to larger earnings also.*

## I THOUGHT RADIO WAS A PLAYTHING But Now My Eyes Are Opened, and I'm Making Over \$40.00 a Week!

**\$40 a week!** Man alive, a year ago I thought anyone making so much was just plain lucky.

Twelve months ago I was just barely getting by. It was the same old story—a little job; a salary as small as the job.

If you had told me that twelve months later I would be making **\$40 a week** in my own Radio business—I'd thought you were crazy.

But I am getting ahead of my story—let me tell you how it all started. I was hard up a year ago because I had been kidding myself—that's all—not because I had to be. I thought a fellow either had to be lucky or have a string of college degrees to make good money.

One day I picked up a magazine and an ad attracted me because it seemed to fit my case. It said, "I will show you how to start a spare time or full time Radio service business of your own **WITHOUT CAPITAL.**"

"They're trying to kid somebody," I thought, "but I'll find out what it's all about."

I wrote in and within a few days received a 64-page book telling about the opportunities in Radio, how I could prepare right at home in my spare time, and how they would show me how to start making money in my neighborhood selling and repairing Radio sets. It would have sounded too good to be true if the promises had not been backed up by nearly 100 letters from fellows who had taken their course and were very enthusiastic about it.

What has happened since seems almost like a dream. I started to take their course and soon I was ready to start making money in my neighborhood—as much as **\$5 and \$15 a week.** It wasn't long until I had saved enough money to start a little business of my own.

That business has since grown to the point where I am clearing an average of **\$40 a week.** All this took place under the watchful guidance of my friends at the National Radio Institute. They also offered to train me for other lines. Broadcasting Stations, Radio Manufacturers, Operating on Board Ship, Servicing Sets, Aviation Radio, Television, Short Wave, Automobile and Police Radio, Loud Speaker Systems are other fields their training covers. And to think, until the day I wrote for that book, I'd been wailing, "I never had a chance and will never have one because I have no pull or a good education!"

Friend—you may not be as bad off as I was—

but think it over—are you satisfied? Are you making as much money as you need? Would you sign a contract to stay where you are for the next ten years at the same salary? Those are the things you have to think about—because no one is going to make it his business to push you ahead—you must make it your own business.

Take my tip—write for their book, "Rich Rewards in Radio." It won't cost you anything except a postage stamp. It shows you a lot of things which I don't believe you know now about Radio—a lot of facts and figures on the opportunities in this new, fast-growing field. Where the jobs are, what they pay, how to get ready for them. Beginners as well as experienced men are making as much as **\$500 to \$1,500 a year** more as a result of N.R.I. training. And at the same time they send the book "Rich Rewards in Radio" they'll send you, without any cost or obligation, a Free Lesson to prove that their training is easy, practical, fascinating. The lesson they send "Radio Receiving Troubles—the Cause and Remedy" is valuable. And when you see how simple this lesson is to understand you'll know why many fellows with less than a grammar school education have mastered N.R.I. training and are now making good money as Radio Experts.

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National Radio Institute  
Dept. 5NO, Washington, D. C.

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