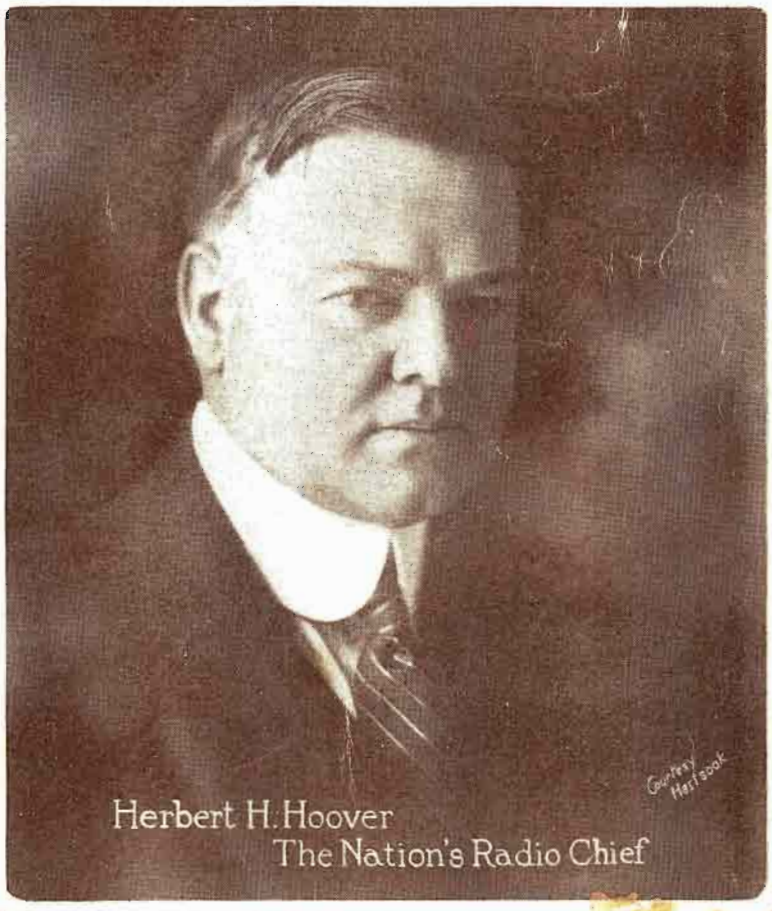
THE 1926
RADIO CALL BOOK

PUBLISHED BY RADIO DOINGS

COMPLETE AND UP-TO-DATE OFFICIAL LIST
OF BROADCAST STATIONS COMPILED BY THE
U.S. DEPARTMENT OF COMMERCE

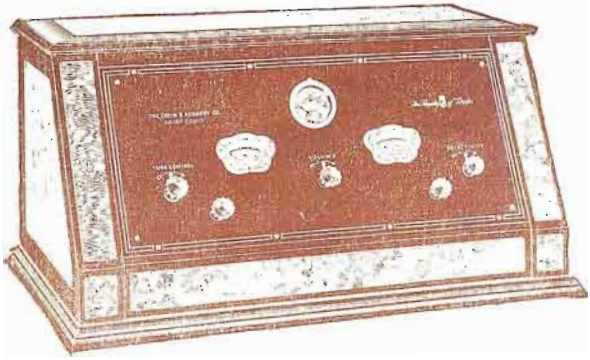


Herbert H. Hoover
The Nation's Radio Chief

Price 25 Cents

KENNEDY

The Royalty of Radio



Model Thirty Now Ready!

Ownership of the New Model Thirty brings its own series of pleasures. Presented in an exquisite cabinet, it is a delight even when silent. Tone is full and marvelously pure. Simply turn two etched-gold dials from zero to a hundred and you are greeted with a pageant of music and song—brilliant, true, lifelike.

The extreme selectivity of the New Model Thirty enables you to cut through local stations, picking up the station you want, and bring in the program clear, without interference or overlapping. By means of a simple, ingenious control, volume may be gradually reduced or swelled to full-rounded richness.

The Model Thirty uses either inside or outdoor aerial and is designed to operate with the new current-supply devices that plug into your home lighting socket, or with any standard "A" or "B" batteries. Price, without accessories,

$150

TUNE IN ON KNRC

This station, owned and operated by Kierulff & Ravenscroft, is of 500 watt capacity operating on 250 watts, 248 meters 1440 kilocycles. The tone quality is assured through use of storage battery equipment throughout.

11 to 12 a. m. and 7 to 9 p. m. every day except Sunday. Sundays 10 to 11 p. m.

DEALERS IN ALL TOWNS

KIERULFF & RAVENSCROFT

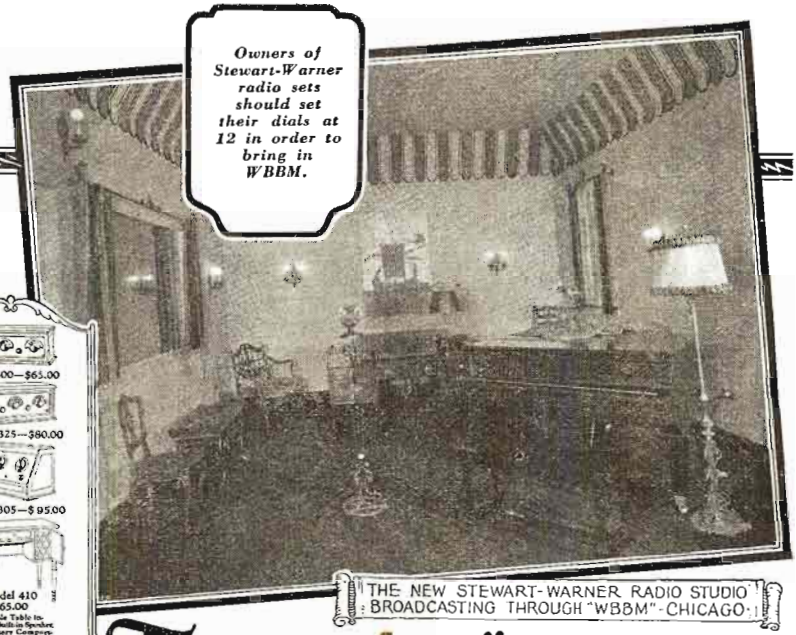
Wholesale Distributors

1630 S. Los Angeles St. Los Angeles, Calif.

Owners and Operators KNRC

6-1225

Owners of Stewart-Warner radio sets should set their dials at 12 in order to bring in WBBM.



THE NEW STEWART-WARNER RADIO STUDIO
BROADCASTING THROUGH "WBBM" - CHICAGO

Tune in on "WBBM"

The broadcasting station of the Stewart-Warner Speedometer Corporation, manufacturers of Stewart-Warner Matched Unit Radio, is on the air through Station WBBM, Chicago (226 meters), every night. Listen in on these programs:

Monday - 6-7 P.M.	Thursday - 9-10 P.M.
Tuesday - 10-12 P.M.	Friday - 8-10 P.M.
Wednesday 12-2 A.M.	Saturday - 11-1 A.M.
Sunday - 4-6 P.M.	

All programs Chicago time.

Many radio fans, chiefly owners of Matched Unit Radio, have reported their success in bringing in WBBM and the splendid programs sent through the air by Stewart-Warner.

Let us give you the name of a dealer in your neighborhood who will demonstrate Matched Unit Radio.

Stewart-Warner Products Service Station

Wholesale Distributors Stewart-Warner Radio

1366 South Figueroa Street ~ Los Angeles

The 1926 Radio Doings Call Book

LOS ANGELES
527-29 Van Nuys Bldg.—TUcker 8468

SAN FRANCISCO
406 New Call Bldg.—Douglas 1388

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Los Angeles JANUARY 1, 1925 San Francisco

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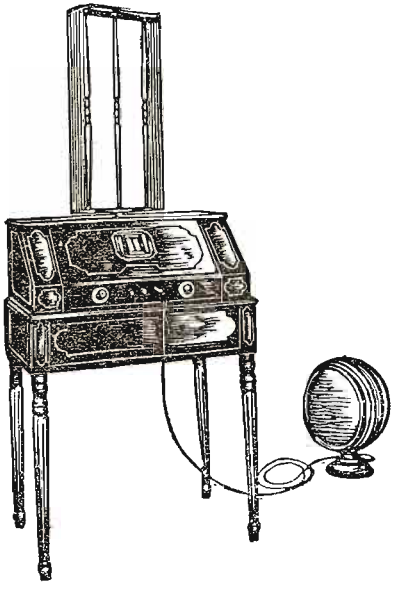

RADIOLA 28

An eight-tube, uni-controlled Super-Heterodyne, combining all the essentials of the Perfect Radio Receiver

Quality, Volume, Unequalled Selectivity
Simplicity of Operation

Also Many Other Models

"A Radiola for Every Purse"

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Radiola 28

RCA

Great In Performance

SUPREME selectivity and sensitivity are obtained by this beautiful eight-tube Super-Heterodyne Radiola 28. Although it has five tuning circuits for selectivity and power, it may be operated enitrely by a single control.

The desk-type cabinet, a beautiful piece of furniture, has room inside for all dry batteries. Or, if you use this set with R. C. A. Radiola Loud-speaker Model 104, it can be operated entirely without batteries directly on the AC 110-volt lighting circuit.

Let us demonstrate this Radiola in your home

Price, including eight Radiotrons, $260.00

We carry a complete stock of all available models of Radiolas. Convenient time payments arranged if desired.

EASTMAN KODAK STORES, INC.

510 So. Broadway **Los Angeles**

Broadcast Stations in U. S., Revised to Dec. 15, 1925

Signal Call	Location of Station	Owner of Station	Power (watts)	Wave length	Frequency (kilocycles)
*KDKA	East Pittsburgh, Pa.	Westinghouse Elec. & M. Co.	1,000	309.1	970
KDLR	Devil's Lake, N. D.	Radio Electric Co.	5	231	1,300
KDPM	Cleveland, Ohio	Westinghouse Elec. & M. Co.	500	250	1,200
KDYL	Salt Lake City, Utah	Newhouse Hotel	50	246	1,220
KDZB	Bakersfield, Calif., 1402 Twentieth Street	Frank E. Siefert	100	210	1,430
KFAB	Lincoln, Neb.	Nebraska Buick Auto Co.	1,000	340.7	880
KFAD	Phoenix, Ariz.	McArthur Brothers Merc. Co.	100	273	1,100
KFAJ	Boulder, Colo.	University of Colorado	100	261	1,150
KFAU	Boise, Idaho	Boise High School	750	282.8	1,060
KFAW	Santa Ana, Calif.	The Radio Den	10	214	1,400
KFBB	Havre, Mont.	F. A. Buttrey & Co.	50	275	1,090
KFBC	San Diego, Calif., 5038 Cliff Place	W. K. Azbill	5	234	1,340
KFBG	Tacoma, Wash.	First Presbyterian Church	50	250	1,200
KFBK	Sacramento, Calif.	Kimball-Upson Co.	100	248	1,210
KFBL	Everett, Wash.	Leese Brothers	100	224	1,340
KFBU	Laramie, Wyo.	Bishop N. S. Thomas	500	270	1,110
KFCB	Phoenix, Ariz.	Nielsen Radio Supply Co.	100	238	1,260
KFCF	Walla Walla, Wash., 707 Baker Building	Frank A. Moore	100	256	1,170
KFCY	Le Mars, Iowa	Western Union College	50	252	1,190
KFCZ	Omaha, Nebr.	Omaha Central High School	50	258	1,160
KFDD	Boise, Idaho	St. Michaels Cathedral	50	278	1,080
KFDH	Tucson, Ariz.	University of Arizona	50	258	1,160
KFDJ	Corvallis, Oreg.	Oregon Agric. College	500	282.8	1,060
KFDM	Beaumont, Tex.	Magnolia Petroleum Co.	500	315.6	950
KFDX	Shreveport, La.	First Baptist Church	100	250	1,200

*KDKA also broadcasts on 63 meters for experimental and re-broadcasting purposes.

LOG

DIAL 1	DIAL 2	DIAL 3	REMARKS

Broadcast Stations in U. S., Revised to Dec. 15, 1925

Call Signal	Location of Station	Owner of Station	Power (watts)	Wave length	Frequency (kilocycles)
KFDY	Brookings, S. Dak.	South Dakota State College of Agric. & Mech. Arts	100	273	1,100
KFDZ	Minneapolis, Minn., 2510 Thomas Avenue S.	Harry O. Iverson,	5	231	1,300
KFEC	Portland, Oreg.	Meier & Frank Co.	50	248	1,210
KFEL	Denver, Colo.	Winner Radio Corp.	50	254	1,180
KFEQ	Oak, Nebr.	Scroggin & Co. Bank	500	268	1,120
KFEY	Kellogg, Idaho	Bunker Hill & Sullivan Mng. & Concentrating Co.	10	233	1,290
KFFP	Moberly, Mo.	First Baptist Church	50	266	1,130
KFFV	Lamoni, Iowa	Graceland College	100	250	1,200
KFGC	Baton Rouge, La.	Louisiana State Univ.	100	268	1,120
KFGH	Stanford University, Cal.	Leland Stanford Junior U.	500	273	1,100
KFGQ	Boone, Iowa	Crary Hardware Co.	10	226	1,330
KFGX	Orange, Tex.	First Presbyterian Church	500	250	1,200
KFHA	Gunnison, Colo.	Western St. College of Colorado	50	252	1,190
KFHL	Oskaloosa, Iowa	Penn College	10	240	1,250
KFI	Los Angeles, Calif.	Earl C. Anthony, Inc.	3,000	468.5	640
KFIF	Portland, Oreg.	Benson Polytechnic Inst.	100	248	1,210
KFIO	Spokane, Wash.	North Central High School	100	266	1,130
KFIQ	Yakima, Wash.	First Methodist Church	50	256	1,170
KFIU	Juneau, Alaska	Alaska Elec. Lt. & Power Co.	10	226	1,330
KFIZ	Fond du Lac, Wis.	Daily Commonwealth	100	273	1,100
KFJB	Marshalltown, Iowa	Marshall Electric Co.	10	248	1,210
KFJC	Junction City, Kan.	R. B. Fegan	10	218.8	1,370
KFJF	Oklahoma City, Okla.	National Radio Mfg. Co.	225	261	1,150
KFJI	Astoria, Oreg.	Liberty Theatre	10	246	1,220
KFJM	Grand Forks, N. Dak.	University of N. Dakota	100	278	1,080

LOG

DIAL 1	DIAL 2	DIAL 3	REMARKS

Broadcast Stations in U. S., Revised to Dec. 15, 1925

Call Signal	Location of Station	Owner of Station	Power (watts)	Wave length	Frequency (kilocycles)
KFJR	Portland, Ore.	Ashley C. Dixon & Son	50	263	1,140
KFJX	Cedar Falls, Iowa	Iowa State Teachers' College	50	258	1,160
KFJY	Fort Dodge, Iowa	Tunwall Radio Co.	50	246	1,220
KFJZ	Fort Worth, Texas	Southwest Baptist Theo. Sem.	50	254	1,180
KFKA	Greeley, Colo.	Colo. St. Teachers College	50	273	1,100
KFKQ	Conway, Ark.	Conway Radio Laboratories	100	250	1,200
KFKU	Lawrence, Kans.	University of Kansas	500	275	1,090
KFKX	Hastings, Neb.	Westinghouse El. & Mfg. Co.	1,500	288.3	1,040
KFKZ	Kirkville, Mo.	F. M. Henry	5	226	1,330
KFLR	Albuquerque, N. M.	Univ. of New Mexico	100	254	1,180
KFLU	San Benito, Tex.	San Benito Radio Club	15	236	1,270
KFLV	Rockford, Ill.	Swedish Evang. Miss. Church	100	229	1,310
KFLX	Galveston, Tex., 1214 Fortieth St.	George R. Clough	10	240	1,250
KFLZ	Atlantic, Iowa	Atlantic Automobile Co.	100	273	1,100
KFMQ	Fayetteville, Ark.	University of Arkansas	750	300	1,000
KFMR	Sioux City, Iowa	Morningside College	10	261	1,150
KFMW	Houghton, Mich., 127 Blanche St.	M. G. Sateren	50	263	1,140
KFMX	Northfield, Minn.	Carleton College	500	336.9	890
KFNF	Shenandoah, Iowa	Henry Field Seed Co.	500	266	1,130
KFNG	Coldwater, Miss.	Wooten's Radio Shop	10	254	1,180
KFOA	Seattle, Wash.	Rhodes Department Stor.	1,000	454.3	664
KFOB	Burlingame, Calif.	Chamber of Commerce	1,000	454.3	660
KFON	Long Beach, Calif.	Echophone Radio Shop	500	233	1,290
KFOO	Salt Lake City, Utah	Latter Day Saints Univ.	5	236	1,270
KFOR	David City, Neb.	David City Tire & Elec. Co.	100	226	1,330

LOG

DIAL 1	DIAL 2	DIAL 3	REMARKS

Broadcast Stations in U. S., Revised to Dec. 15, 1925

Call Signal	Location of Station	Owner of Station	Power (watts)	Wave length	Frequency (kilocycles)
KFOT	Wichita, Kans.	College Hill Radio Club (College Hill Methodist Church)	50	231	1,300
KFOX	Omaha, Neb.	Technical High School	100	248	1,210
KFOY	St. Paul, Minn.	Beacon Radio Service	50	252	1,190
KFPL	Dublin, Tex.	C. C. Baxter	15	252	1,190
KFPM	Greenville, Tex.	New Furniture Co.	10	242	1,240
KFPR	Los Angeles, Calif.	Los Angeles Co. Forestry Dept.	500	231	1,300
KFPW	Carterville, Mo.	St. John's Church	20	258	1,160
KFPY	Spokane, Wash.	Symons Investment Co.	100	266	1,130
KFQA	St. Louis, Mo., 5539 Page Ave.	The Principia	50	261	1,150
KFQB	Fort Worth, Tex.	Searchlight Publish. Co.	100	263	1,140
KFQC	Taft, Calif.	Kidd Bros. Radio Shop	100	231	1,300
KFQP	Iowa City, Iowa, 906 E. College St.	George S. Carson, Jr.	10	224	1,340
KFQT	Denison, Tex.	Texas Nat. Gd. 36th Sig. Co.	10	252	1,190
KFQU	Holy City, Calif.	W. E. Riker	100	217.3	1,380
KFQW	North Bend, Wash.	C. F. Knierim Photo Radio Electric Shop	50	215.7	1,390
KFQZ	Hollywood, Calif.	Taft Radio Co.	50	240	1,250
KFRB	Beeville, Tex.	Hall Bros.	250	248	1,210
KFRC	San Francisco, Calif.	City of Paris Co.	50	268	1,120
KFRM	Fort Sill, Okla.	Lieut. James P. Bowland	50	242	1,240
KFRU	Columbia, Mo.	Stephens' College	500	499.7	600
KFRW	Olympia, Wash.	United Churches of Olympia	100	219	1,370
KFRX	Pullman, Wash., Route 2.	J. Gordon Klemgard	10	217	1,380
KFRY	State College, N. Mex.	New Mexico College of Agric. & Mechanic Arts	50	266	1,130
KFRZ	Hartington, Nebr.	Electric Shop	15	222	1,350
KFSG	Los Angeles, Calif.	Echo Park Evangelistic Assn.	500	275	1,090

LOG

DIAL 1	DIAL 2	DIAL 3	REMARKS
145	145	[illegible]	[illegible] - CHICAGO
61	57	[illegible]	W.E.B.H. - CHICAGO
			[illegible] - CHICAGO
			W.[illegible] - CHICAGO
			[illegible] CHICAGO
57	56	[illegible]	W.L.S. - CHICAGO
			W.S.U.I. - IOWA CITY
70	65	[illegible]	W.[illegible] CLEVELAND
64	61	[illegible]	[illegible]
36	36		[illegible]
[illegible]	[illegible]		[illegible]
25	25		K.F.N.F. SHENANDOAH
26	26		[illegible]
29	29		K.F.[illegible]
			K.F.[illegible] LOCAL
34	34	[illegible]	K.F.K.X. HASTINGS
112	110		[illegible]
55	52		[illegible]
135	135	77	[illegible]
65	61		K.D.[illegible]
76	75		[illegible]
73	73	[illegible]	K.L.[illegible] INDEPENDENCE
25	25		K.F.J.F. - OKLA CITY
26	26		K.F.H. - WICHITA
116	116		W.C.[illegible]

Broadcast Stations in U. S., Revised to Dec. 15, 1925

Call Signal	Location of Station	Owner of Station	Power (watts)	Wave length	Frequency (kilocycles)
KFUJ	Breckenridge, Minn.	Hopper Plumb. & Heating Co.	50	242	1,240
KFUL	Galveston, Tex.	Thos. Goggan & Bro. Mus. Co.	50	258	1,160
KFUM	Colorado Spgs., Colo., Kiowa and Cascade Sts.	W. D. Conley	100	242	1,240
KFUO	St. Louis, Mo.	Concordia College	500	545.1	550
KFUP	Denver, Colo.	Fitzsimmons Gen. Hosp.	50	234	1,280
KFUR	Ogden, Utah	H. W. Peery & C. Redfield	50	224	1,340
KFUS	Oakland, Calif.	Louis L. Sherman	50	256	1,170
KFUT	Salt Lake City, Utah.	University of Utah	100	261	1,150
KFUU	Oakland, Calif.	Matthewson Motor Co.	100	220	1,360
KFVD	San Pedro, Calif.	McWhinne Elect. Co.	50	205.4	1,460
KFVE	St. Louis, Mo.	Film Corp. of America	500	240	1,250
KFVG	Independence, Kans.	First Methodist Church	10	236	1,270
KFVH	Manhattan, Kan.	Whare Radio Shop	15	218.8	1,370
KFVI	Houston, Texas	Fifty-sixth Cavalry	10	240	1,250
KFVN	Welcome, Minn.	C. E. Bagley	10	227	1,320
KFVR	Denver, Colo.	Moonlight Ranch	50	244	1,230
KFVS	Guardeau, Mo.	Battery Station	50	224	1,340
KFVU	Eureka, Calif.	Standard Pub. Co.	5	209.7	1,430
KFVW	San Diego, Calif.	Airfan Radio Co.	500	246	1,220
KFVX	Bentonville, Ark.	Radio Shop	10	236	1,270
KFVY	Albuquerque, N. M.	Radio Supply Co.	10	250	1,200
KFVZ	San Francisco, Calif.	Glad Tidings Tabernacle, Inc.	50	234	1,280
KFWA	Ogden, Utah	Browning Bros.	100	261	1,150
KFWB	Hollywood, Cal.	Warner Bros. Pictures, Inc.	500	252	1,190
KFWD	Arkadelphia, Ark.	Arkansas Light & Power	500	266	1,130

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DIAL 1	DIAL 2	DIAL 3	REMARKS
[illegible]	14?	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]
16	14		K.M.M.J. [illegible]
[illegible]	[illegible]	36?	[illegible]
			[illegible]
69	64	[illegible]	[illegible] Bristow, Okla
			[illegible]
21	21	106	[illegible]
74	[illegible]		[illegible]
[illegible]	[illegible]		K.F.K. [illegible]
7	[illegible]		[illegible]
			K.D.K.A. Pittsburgh
			[illegible] V.R. Denver
			[illegible]
11	5	116	
			[illegible]
			K.F.L. [illegible]
[illegible]	[illegible]		[illegible]
[illegible]	[illegible]		W.G.I. [illegible]
75?	[illegible]		[illegible]
			W.G.S. [illegible]

Broadcast Stations in U. S., Revised to Dec. 15, 1925

Call Signal	Location of Station	Owner of Station	Power (watts)	Wave length	Frequency (kilocycles)
KFWF	St. Louis, Mo.	St. Louis Truth Center	250	214.2	1,400
KFWH	Chico, Calif.	F. W. Morse	100	254	1,180
KFWI	So. San Francisco, Calif.	Radio Entertainments, Inc.	500	226	1,330
KFWM	Oakland, Calif.	Oakland Educational Society	500	207	1,450
KFWO	Avalon, Calif.	Lawrence Mott	250	211.1	1,420
KFWP	Brownsville, Tex.	Rio Grande Radio Co.	10	214.2	1,400
KFWU	Pineville, La.	Louisiana College	100	238	1,260
KFWV	Portland, Ore.	W. J. German	50	213	1,410
KFXB	Big Bear, Calif.	M. O. Heller	500	203	1,480
KFXC	Santa Maria, Calif.	Santa Maria Railway	100	210	1,430
KFXD	Logan, Utah	L. H. Strong	10	205	1,460
KFXE	Waterloo, Iowa	Electric Research & Mfg. Co.	10	236	1,270
KFXF	Colorado Springs, Colo.	Pike's Peak Broadcast Co.	500	250	1,200
KFXH	El Paso, Texas	Bledsoe Radio Co.	50	242	1,240
KFXJ	Denver, Colo.	Mountain States Radio Dis. (portable)	10	215.7	1,390
KFXM	Beaumont, Texas	Neches Electric Co.	10	227	1,320
KFXY	Flagstaff, Ariz.	M. N. Costigan	50	205	1,460
KFYF	Oxnard, Calif.	Carl's Radio Den	10	205.4	1,460
KFYR	Bismark, N. D.	Hoskins-Meyer, Inc.	10	248	1,210
KGB	Tacoma, Wash.	Tacoma Daily Ledger	100	250	1,200
KGO	Oakland, Calif.	General Electric Co.	3,000	361	830
KGU	Honolulu, Hawaii, 236 S. King St.	Marion A. Mulrony	500	270	1,110
KGW	Portland, Ore.	Portland Morning Oregonian	500	491.5	610
KGY	Lacey, Wash.	St. Martin's College	5	405.2	740
KHJ	Los Angeles, Calif.	Times-Mirror Co.	500	405.2	740

LOG

DIAL 1	DIAL 2	DIAL 3	REMARKS
70	70	[illegible]	[illegible] = CLEVELAND
124	123	[illegible]	W.M.[illegible] = M[illegible]HIS
30	28	76	[illegible].X. = [illegible]
[illegible]	[illegible]		[illegible] CHICAGO
[illegible]	[illegible]		[illegible]Y = [illegible]
38	38		[illegible]Z.3. = CHI[illegible]UA
67	66		[illegible]
65	66		W.H.[illegible] TROY
54	[illegible]		K.W.[illegible]
76	73	[illegible]	K.T.E.[illegible]
97	96	[illegible]	[illegible]
8	[illegible]	576	[illegible]I. = SAN FRAN
33	33		K.T.[illegible] = LOS [illegible]
135	135	516	W.[illegible] = DETROIT
54	51	[illegible]	W.C.B.D. = Zion

Broadcast Stations in U. S., Revised to Dec. 15, 1925

Call Signal	Location of Station	Owner of Station	Power (watts)	Wave length	Frequency (kilocycles)
KHQ	Seattle, Wash.	Louis Wasmer (Excelsior Motorcycle & Bicycle Co.)	500	273	1,100
KJBS	San Francisco, Calif.	J. Brunton & Co.	5	220	1,360
KJR	Seattle, Wash.	Northwest Radio Service Co.	1000	384.4	780
KLDS	Independence, Mo.	Reorganized Ch. of Jesus Christ of Lat. Day Saints	1000	440.9	680
KLS	Oakland, Calif.	Warner Bros. Radio Sup. Co.	250	242	1,240
KLX	Oakland, Calif.	Tribune Publishing Co. (Oakland Tribune)	500	508.2	590
KLZ	Denver, Colo.	Reynolds Radio Co.	250	266	1,130
KMA	Shenandoah, Ia.	May Seed Co.	500	252	1,190
KMJ	Fresno, Calif.	San Joaquin Lt. & Power Co.	50	234	1,280
KMO	Tacoma, Wash.	Love Electric Co.	10	250	1,200
KMTR	Los Angeles, Calif.	K. M. Turner Radio Co.	500	238	1,260
KNRC	Los Angeles, Calif.	Kierulff & Ravenscroft	250	208.3	1,440
KNX	Los Angeles, Calif.	Los Angeles Express	500	336.9	890
KOA	Denver, Colo., 1370 Krameria St.	General Electric Co.	5,000	322.4	930
KOB	State College, N. Mex.	New Mexico College of Agriculture & Mechanic Arts	1000	348.6	860
KOCH	Omaha, Neb.	Central High School	250	258	1,160
KOIL	Council Bluffs, Ia.	Monarch Mfg. Co.	500	278	1,080
KOCW	Chickasha, Okla.	Okla. College for Women	100	252	1,190
KOP	Detroit, Mich.	Detroit Police Dept.	500	278	1,080
KPO	San Francisco, Calif.	Hale Bros.	1,000	428.3	700
KPPC	Pasadena, Calif.	Pasadena Presbyterian Church.	50	229	1,310
KPRC	Houston, Tex.	Post-Dispatch	500	296.9	1,010
KPSN	Pasadena, Calif.	Star-News Pub. Co.	1,000	315.6	950
KQP	Portland, Ore.	H. B. Read	500	248	1,210
KQV	Pittsburgh, Pa.	Doubleday-Hill Elec. Co.	500	275	1,090

LOG

DIAL 1	DIAL 2	DIAL 3	REMARKS

Broadcast Stations in U. S., Revised to Dec. 15, 1925

Call Signal	Location of Station	Owner of Station	Power (watts)	Wave length	Frequency (kilocycles)
KQW	San Jose, Calif.	First Baptist Church	500	231	1,300
KRE	Berkeley, Calif.	Berkeley Daily Gazette	50	256	1,170
KSAC	Manhattan, Kans.	Kans. State Agric. College	500	340.7	880
KSD	St. Louis, Mo.	Post Dispatch	750	545.1	550
KSL	Salt Lake City, Utah	Radio Service Corp.	1,000	299.8	1,000
KTCL	Seattle, Wash.	American Tel. Co.	1,000	305.9	980
KTAB	Oakland, Calif.	Tenth Ave. Baptist Church	1,000	333	900
KTBR	Portland, Ore.	Brown's Radio Shop	50	263	1,140
KTHS	Hot Springs, Ark.	New Arlington Hotel Co.	500	374.8	800
KTBI	Los Angelese, Calif.	Bible Institute	250	293	1,020
KTW	Seattle, Wash.	First Presbyterian Church	750	454.3	660
KUO	San Francisco, Calif.	Examiner Printing Co.	150	250	1,200
KUOM	Missoula, Mont.	University of Montana	250	244.8	1,230
KUST	Vermilion, S. Dak.	Univ. of So. Dakota	100	278	1,080
KWG	Stockton, Calif.	Portable Wireless Tel. Co.	50	248	1,210
KWKC	Kansas City, Mo.	Wilson Duncan Studios	100	236	1,270
KWKH	Shreveport, La.	W. G. Paterson	250	261	1,150
KWSC	Pullman, Wash.	State College of Wash.	500	249	860
KWUC	Le Mars, Iowa	Western Union College	50	252	1,190
KWWG	Brownsville, Tex.	City of Brownsville, Tex.	500	278	1,080
KYW	Chicago, Ill.	Westinghouse Elec. & Mfg. Co.	2,000	535.4	560
KZKZ	Manila, P. I., 109 Plaza Moraga	Electrical Supply Co.	100	270	1,110
KZM	Oakland, Calif., Thirteenth and Harrison	Preston D. Allen	100	240	1,250
KZRQ	Manila, P. I., Manila Hotel.	Far Eastern Radio, Inc.	500	222	1,350
NAA	Arlington, Va.	United States Navy	1,000	434.5	690

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DIAL 1	DIAL 2	DIAL 3	REMARKS

Broadcast Stations in U. S., Revised to Dec. 15, 1925

Call Signal	Location of Station	Owner of Station	Power (watts)	Wave length	Frequency (kilocycles)
WAAB	New Orleans, La., 137 S. St. Patrick St.	Valdemar Pensen	100	268	1,120
WAAC	New Orleans, La.	Tulane University	100	275	1,090
WAAD	Cincinnati, Ohio	Ohio Mechanics Inst.	25	258	1,160
WAAF	Chicago, Ill.	Chicago Daily Drovers Journal	200	278	1,080
WAAM	Newark, N. J.	I. R. Nelson Co.	250	263	1,140
WAAN	Columbia, Mo.	University of Missouri	50	254	1,180
WAAW	Omaha, Neb.	Omaha Grain Exchange	500	278	1,080
WABC	Ashville, N. C.	Ashville Battery Co.	20	254	1,180
WABO	Rochester, N. Y.	Lake Avenue Baptist Church	100	278	1,080
WABQ	Haverford, Pa.	Haverford College Rad. Club	100	261	1,150
WABR	Toledo, Ohio	Scott High School	50	263	1,140
WABW	Wooster, Ohio	College of Wooster	20	206.8	1,450
WABX	Mount Clemens, Mich. (near), 1830 Penobscot Bldg., Detroit, Mich.	Henry B. Joy	500	246	1,220
WABY	Philadelphia, Pa., 815 Kimball St.	John Magaldi, Jr.	50	242	1,240
WABZ	New Orleans, La.	Coliseum Place Baptist Church	50	263	1,140
WADC	Akron, O.	Portage Hotel	500	258	1,160
WAFD	Port Huron, Mich.	Albert B. Parfet Co.	500	275	1,090
WAHG	Richmond Hill, N. Y.	A. H. Grebe & Co.	500	315.6	950
WAIT	Taunton, Mass.	A. H. Waite & Co.	10	229	1,310
WAMD	Minneapolis, Minn.	Hubbard & Co.	100	244	1,230
WAPI	Auburn, Ala.	Ala. Poly. Institute	500	248	1,210
WARC	Medford Hillside, Mas.	Am. Radio & Res. Co.	100	261	1,150
WBAA	West Lafayette, Ind.	Purdue Univ.	250	273	1,100
WBAK	Harrisburg, Pa.	Penn State Police	500	275	1,090
WBAO	Decatur, Ill.	James Millikin Univ.	100	270	1,110

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DIAL 1	DIAL 2	DIAL 3	REMARKS

Broadcast Stations in U. S., Revised to Dec. 15, 1925

Call Signal	Location of Station	Owner of Station	Power (watts)	Wave length	Frequency (kilocycles)
WBAP	Fort Work, Tex.	Wortham-Carter Publishing Co. (Star Telegram)	1,500	475.9	630
WBAV	Columbus, Ohio	Erner & Hopkins Co.	500	293.9	1,020
WBAX	Wilkes-Barre, Pa., 66 Gildersleeve St.	John H. Stenger, Jr.	100	256	1,170
WBBA	Newark, Ohio	Plymouth Congregational Ch.	20	226	1,330
WBBL	Richmond, Va.	Grace Covenant Church	150	229	1,310
WBBM	Chicago, Ill.	Atlas Investment Co.	1,500	226	1,330
WBBP	Petoskey, Mich.	Petoskey High School	200	238	1,260
WBBR	Rossville, N. Y., 124 Columbia Heights, Brooklyn, N. Y.	People's Pulpit Assn.	500	273	1,100
WBBS	New Orleans, La.	First Baptist Church	50	252	1,190
WBBU	Monmouth, Ill.	Jenks Motor Sales Co.	10	224	1,340
WBBW	Norfolk, Va.	Ruffner Junior High School	50	222	1,350
WBBY	Charleston, S. C.	Washington Light Inf.	10	268	1,120
WBBZ	Chicago, Ill.	O. L. Carrell (portable)	50	215.7	1,390
WBCN	Chicago, Ill., 728 W. 65th.	Foster & McDonnell	500	266	1,130
WBDC	Grand Rapids, Mich.	Baxter Laundry Co.	50	256	1,170
WBES	Takoma Park, Md.	Bliss Electrical School	100	222	1,350
WBNY	New York City	Shirley Katz	500	209.7	1,430
WBOQ	Richmond Hill, N. Y.	A. H. Grebe Co.	100	236	1,270
WBRC	Birmingham, Ala.	Bell Radio Corp.	10	248	1,210
WBRE	Wilkes-Barre, Pa.	Baltimore Radio Exchange	100	231	1,300
WBT	Charlotte, N. C.	So. Radio Corp.	250	275	1,090
WBZ	Springfield, Mass.	Westinghouse Elec. & Mfg. Co.	1,500	331.1	900
WBZA	Boston, Mass.	Westinghouse Electric	250	242	1,240
WCAC	Mansfield, Conn.	Conn. Agr. Col.	100	275	1,090
WCAD	Canton, N. Y.	St. Lawrence Univ.	250	263	1,140

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DIAL 1	DIAL 2	DIAL 3	REMARKS

Broadcast Stations in U. S., Revised to Dec. 15, 1925

Call Signal	Location of Station	Owner of Station	Power (watts)	Wave length	Frequency (kilocycles)
WCAE	Pittsburgh, Pa.	Kaufmann & Baer Co.	500	461.3	650
WCAH	Columbus, Ohio.	Enterkin Electric Co.	200	266	1,130
WCAJ	University Place, Neb.	Nebraska Wesleyan Univ.	500	254	1,180
WCAL	Northfield, Minn.	St. Olaf College	500	336.9	890
WCAO	Baltimore, Md.	Sanders & Stayman Co.	50	275	1,090
WCAP	Washington, D. C.	Chesapeake & Potomac Tel Co.	500	468.5	640
WCAR	San Antonio, Tex.	Southern Radio Corp. of Texas	500	263	1,140
WCAT	Rapid City, S. Dak.	So. Dakota State Sch. of Mines	50	240	1,250
WCAU	Philadelphia, Pa.	Durham & Co.	500	278	1,080
WCAX	Burlington, Vt.	Univ. of Vermont	100	250	1,200
WCAZ	Carthage, Ill.	Carthage College	50	246	1,220
WCBA	Allentown, Pa.	Chas. W. Heimbach Camegraph Repair Shop	10	254	1,180
WCBD	Zion, Ill.	Wilbur G. Voliva	5,000	344.6	870
WCBE	New Orleans, La.	Uhalt Bros. Radio Co.	5	263	1,140
WCBG	Pascagoula, Miss. (port.)	Howard S. Williams	10	268	1,120
WCBH	Oxford, Miss. (near)	Univ. of Miss.	50	242	1,240
WCBM	Baltimore, Md.,	Hotel Chateau	50	229	1,310
WCBO	Memphis, Tenn.	Radio Shop, Inc.	20	250	1,200
WCBQ	Nashville, Tenn.	First Baptist Church	100	236	1,270
WCBR	Providence, R. I. (port.)	Chas. H. Messter, 42 Doyle	30	205.4	1,460
WCBT	Worcester, Mass.	Clark Univ.	250	238	1,260
WCCO	Minneapolis, Minn.	Washburn-Crosby Co.	5,000	416.4	720
WCEE	Elgin, Ill. (near) R.F.D. 6	Liberty Weekly	1,000	275	1,090
WCLO	Camp Lake, Wis.	E. H. Whitmore	50	231	1,300
WCLS	Joliet, Ill.	H. M. Couch	150	214	1,400

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DIAL 1	DIAL 2	DIAL 3	REMARKS

Broadcast Stations in U. S., Revised to Dec. 15, 1925

Call Signal	Location of Station	Owner of Station	Power (watts)	Wave length	Frequency (kilocycles)
WCSH	Portland, Me.	H. P. Rives	500	256	1,170
WCUW	Worcester, Mas.	Clark University	250	238	1,260
WCX	Detroit, Mich.	Detroit Free Press	2,500	516.9	580
WDAD	Nashville, Tenn.	Dad's Auto Accessories	150	226	1,330
WDAE	Tampa, Fla.	Tampa Daily News	250	273	1,100
WDAF	Kansas City, Mo.	Kansas City Star	500	365.6	820
WDAG	Amarilla, Tex.	J. Laurance Martin	100	263	1,140
WDAY	Fargo, N. Dak.	Radio Equip. Corp.	50	261	1,150
WDBC	Lancaster, Pa.	Kirk, Johnson & Co.	50	258	1,160
WDBE	Atlanta, Ga., 22 Luckie St.	Gilham-Schoen Elec. Co.	100	270	1,110
WDBJ	Roanoke, Va.	Richardson-Wayland Elec. Crp.	50	229	1,310
WDBK	Cleveland, Ohio	M. F. Broz Fur. Co.	100	227	1,320
WDBO	Winter Park, Fla.	Rollins College	50	240	1,250
WDBQ	Salem, N. J.	Morton Radio Sup. Co.	50	234	1,280
WDBR	Boston, Mass.	Tremont Temp. Bap. Church	100	261	1,150
WDBX	New York, N. Y.	Otto Baer	5	233	1,290
WDBZ	Kingston, N. Y.	Boy Scouts of America	5	233	1,290
WDCH	Hanover, N. H.	Dartmouth College	100	256	1,170
WDOD	Chattanooga, Tenn.	Chattanooga Radio Co.	50	256	1,170
WDWF	Cranston, R. I.	Dutee W. Flint	500	440.9	680
WDZ	Tuscola, Ill.	James L. Bush	10-100	278	1,080
WEAA	Flint, Mich.	Frank D. Fallain	100	234	1,280
WEAF	New York, N. Y.	Am. Tel. & Tel. Co.	5,000	491.5	610
WEAH	Wichita, Kans.	Hotel Lassen	50	268	1,120
WEAI	Ithica, N. Y.	Cornell University	500	254	1,180

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DIAL 1	DIAL 2	DIAL 3	REMARKS

Broadcast Stations in U. S., Revised to Dec. 15, 1925

Call Signal	Location of Station	Owner of Station	Power (watts)	Wave length	Frequency (kilocycles)
WEAM	North Plainfield, N. J.	Borough of N. Plainfield	250	261	1,150
WEAN	Providence, R. I.	Shepard Co.	500	270	1,110
WEAO	Columbus, Ohio	Ohio State University	500	293.9	1,020
WEAR	Cleveland, Ohio	Goodyear Tire & Rubber Co.	750	389.4	770
WEAU	Sioux City, Iowa	Davidson Bros. Co.	100	275	1,090
WEBA	Highland Park, N. J.	The Electric Shop	15	233	1,290
WEBC	Superior, Wis.	Walter C. Bridges	100	242	1,240
WEBD	Anderson, Ind.	Elec. Equip. & Service Co.	15	246	1,220
WEBE	Cambridge, Ohio	Roy W. Waller	10	234	1,280
WEBH	Chicago, Ill.	Edgewater Beach Hotel Co.	1,000	370.2	810
WEBJ	New York City	Third Ave. Railway Co.	500	273	1,100
WEBK	Grand Rapids, Mich.	Grand Rapids Radio Co.	100	242	1,240
WEBL	(Portable)	Radio Corp. of America	100	226	1,330
WEBM	U. S. (portable) Woolworth Bldg., N. Y.	Radio Corp. of America	100	226	1,330
WEBQ	Harrisburg, Ill.	Tate Radio Co.	10	226	1,330
WEBR	Buffalo, N. Y.	H. H. Howell	50	244	1,230
WEBT	Dayton, Ohio	Dayton Coop. Indus. School	5	256	1,170
WEBW	Beloit, Wis.	Beloit College	500	268	1,120
WEBZ	Savannah, Ga.	Savannah Radio Corp.	5	263	1,140
WEEI	Boston, Mass.	Edison Elec. Illum. Co.	500	475.9	630
WEHS	Evanston, Ill.	Robt. E. Hughes	20	205.4	1,460
WEMC	Berrien Springs, Mich.	Emmanuel Miss. College	500	285.5	1,050
WENR	Chicago, Ill.	All-American Radio Corp.	1,000	266	1,130
WEW	St. Louis, Mo.	St. Louis University	100	248	1,210
WFAA	Dallas, Tex.	Dallas News & Dallas Journ.	500	475.9	630

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DIAL 1	DIAL 2	DIAL 3	REMARKS

Broadcast Stations in U. S., Revised to Dec. 15, 1925

Call Signal	Location of Station	Owner of Station	Power (watts)	Wave length	Frequency (kilocycles)
WFAM	St. Cloud, Minn.	Times Pub. Co.	10	273	1,100
WFAV	Lincoln, Neb.	Univ. of Nebr.	250	275	1,090
WFBC	Knoxville, Tenn.	First Baptist Church	50	250	1,200
WFBD	Philadelphia, Pa.	Gethsemane Bapt. Church	5	234	1,280
WFBE	Seymour, Ind.	John Van de Walle	20	226	1,330
WFBG	Altoona, Pa.	William F. Gable Co.	100	278	1,080
WFBH	New York City	Concourse Radio Corp.	500	273	1,100
WFBI	Camden, N. J., 521 Mkt.	Galvin Radio Corp.	250	236	1,270
WFBJ	Collegeville, Minn.	St. John's Univ.	50	236	1,270
WFBL	Syracuse, N. Y.	Onondaga Hotel	100	252	1,190
WFBM	Indianapolis, Ind.	Merchants Heat & Light Co.	250	268	1,120
WFBR	Baltimore, Md.	Fifth Infantry, Md. Nat. Gd.	100	254	1,180
WFBZ	Galesburg, Ill.	Knox College	10	254	1,180
WFI	Philadelphia, Pa.	Strawbridge & Clothier	500	394.5	760
WFKB	Chicago, Ill.	Francis K. Bridgman	500	217.3	1,380
WFRL	Brooklyn, N. Y.	Flatbush Radio Labs.	100	205.4	1,460
WGAL	Lancaster, Pa.	Lancaster Elec. Sup. & Const. Co.	10	248	1,210
WGBB	Freeport, N. Y.	Harry H. Carman	100	242	1,240
WGBC	Memphis, Tenn.	First Baptist Church	10	278	1,080
WGBF	Evansville, Ind., 307 S. 7th St.	Finke Furniture Co.	100	236	1,270
WGBI	Scranton, Pa.	Frank S. Megargee	10	240	1,250
WGBK	Johnstown, Pa.	Lawrence W. Campbell (Fontaine Chateau)	5	248	1,210
WGBM	Providence, R. I., 92 Dover St.	Theodore N. Saaty	30	234	1,280
WGBQ	Menomonie, Wisc.	Stout Institute	20	234	1,280
WGBR	Marshfield, Wis.	Marshfield Broad. Assn.	10	229	1,310

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DIAL 1	DIAL 2	DIAL 3	REMARKS

Broadcast Stations in U. S., Revised to Dec. 15, 1925

Call Signal	Location of Station	Owner of Station	Power (watts)	Wave length	Frequency (kilocycles)
WGBS	New York, N. Y.	Gimbel Bros.	1,000	315.6	950
WGBU	Tilford, Fla.	Florida Fin. Co.	500	278	1,080
WGBW	Spring Valley, Ill.	Valley Theatre	10	213	1,410
WGBX	Orono, Me.	University of Maine	10	252	1,190
WGCP	Newark, N. J.	D. W. May	500	252	1,190
WGES	Oak Park, Ill.	Coyne Elect. Sch.	500	250	1,200
WGHP	Detroit, Mich.	G. H. Phelps, Inc.	1,500	270	1,110
WGMU	Richmond Hill, N. J.	A. H. Grebe & Co., Inc.	100	236	1,270
WGN	Chicago, Ill.	The Tribune (Drake Hotel)	1,000	370.2	810
WGR	Buffalo, N. Y.	Fed. Tel. Mfg. Corp.	750	319	940
WGST	Atlanta, Ga.	Ga. School of Tech.	500	270	1,110
*WGY	Schenectady, N. Y.	Gen. Electric Co.	5,000	379.5	790
WHA	Madison, Wis.	Univ. of Wisc.	500	535.4	560
WHAD	Milwaukee, Wis.	Marquette Univ.	500	275	1,090
WHAG	Cincinnati, Ohio	Univ. of Cincinnati	100	233	1,290
WHAM	Rochester, N. Y.	Univ. of Rochester	100	278	1,080
WHAP	New York, N. Y.	H. Alvin Simmons	500	240	1,250
WHAR	Atlantic City, N. J.	Seaside Hotel	500	275	1,090
WHAS	Louisville, Ky.	Cour.-Journ. & Louisville Times	500	399.8	750
WHAT	Minneapolis, Minn.	G. W. Young	500	263	1,140
WHAV	Wilmington, Del.	Wil. Elec. Spec. Co.	100	266	1,130
WHAZ	Troy, N. Y.	Rensselaer Polytech. Inst.	1,000	380	790
WHB	Kansas City, Mo.	Sweeney School Co.	500	365.6	820
WHBA	Oil City, Pa.	Shaffer Music House	20	250	1,200
WHBC	Canton, O.	Rev. E. P. Graham	10	254	1,180

*WGY also broadcasts on 61 meters for experimental and re-broadcasting purposes.

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Broadcast Stations in U. S., Revised to Dec. 15, 1925

Call Signal	Location of Station	Owner of Station	Power (watts)	Wave length	Frequency (kilocycles)
WHBD	Bellefontaine, O.	Chas. W. Howard	20	222	1,350
WHBF	Rock Island, Ill.	Beardsley Specialty Co.	100	222	1,350
WHBG	Harrisburg, Pa.	John S. Skane	20	231	1,300
WHBH	Culver, Indiana	Culver Military Academy	100	222	1,350
WHBJ	Ft. Wayne, Ind.	Lauer Auto Co.	50	234	1,280
WHBK	Ellsworth, Me.	Franklin St. Garage	10	231	1,300
WHBL	Logansport, Ind.	Jas. H. Slusser	50	238	1,260
WHBM	Chicago, Ill.	C. L. Carroll	20	233	1,290
WHBN	St. Petersburg, Fla.	Methodist Church	10	238	1,260
WHBP	Johnstown, Pa.	Johnstown Auto Co.	100	256	1,170
WHBQ	Memphis, Tenn.	St. John's Methodist Church	50	233	1,290
WHBR	Cincinnati, Ohio	Scientific Elec. & Mfg. Co.	20	215.7	1,390
WHBU	Anderson, Ind.	Rivera Theatre	10	218.8	1,370
WHBW	Philadelphia, Pa.	D. R. Kierozie	100	216	1,390
WHBY	West De Pere, Wis.	St. Norbett's College	50	250	1,200
WHDI	Minneapolis, Minn.	Wm. Hood Dunwoody Ind. Inst.	100	278	1,080
WHEC	Rochester, N. Y.	Hickson Elect. Co.	100	258	1,160
WHK	Cleveland, Ohio	Radio Air Service	250	273	1,100
WHN	New York, N. Y.	George Schubel	500	361.2	830
WHO	Des Moines, Iowa	Bankers Life Co.	5,000	526	570
WHT	Deerfield, Ill.	Radiophone Corp.	1,500	238	1,260
WIAD	Philadelphia, Pa.	Howard R. Miller	100	250	1,200
WIAS	Burlington, Iowa	Home Electric Co.	100	264	1,180
WIBA	Madison, Wis.	Times Studio	100	236	1,270
WIBC	St. Petersburg, Fla.	Tate Post 39	100	222	1,350

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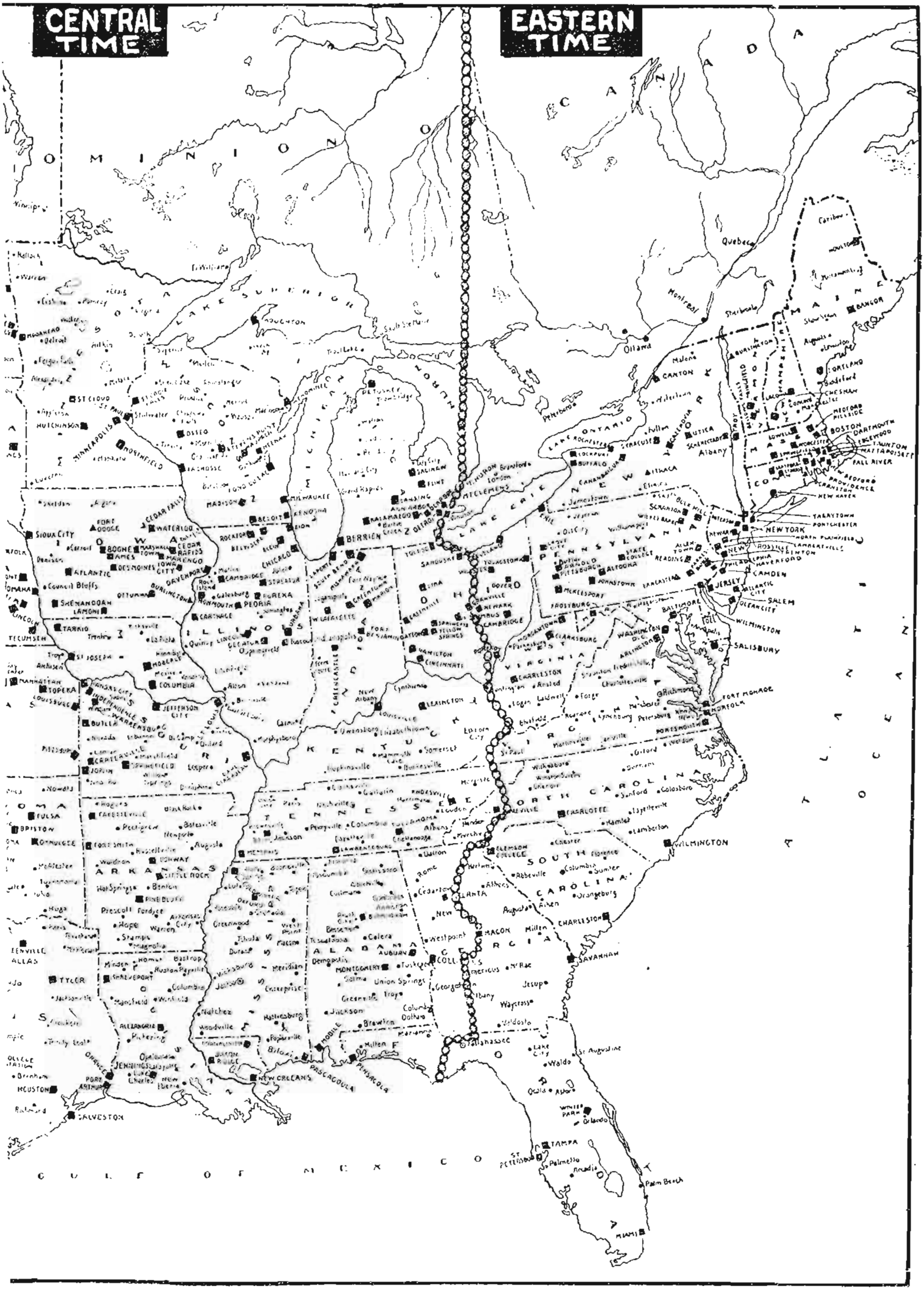
DIAL 1	DIAL 2	DIAL 3	REMARKS


PACIFIC TIME
MOUNTAIN TIME
Radio Broadcast Stations.
Division of Standard Time.


CENTRAL TIME
EASTERN TIME
CANADA
Quebec
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Ottawa
MAINE
BANGOR
BOSTON
NEW YORK
PENNSYLVANIA
LAKE ONTARIO
LAKE ERIE
ALTOONA
HOUGHTON
MILWAUKEE
KENOSHA
BERRIEN
CHICAGO
PEORIA
ILLINOIS
IOWA
SIOUX CITY
TOPEKA
COLUMBIA
JEFFERSON CITY
KENTUCKY
TENNESSEE
NORTH CAROLINA
CHARLOTTE
WILMINGTON
SOUTH CAROLINA
CHARLESTON
SAVANNAH
MACON
ALABAMA
ARKANSAS
TULSA
NEW ORLEANS
PENSACOLA
TAMPA
GALVESTON
GULF OF MEXICO

Broadcast Stations in U. S., Revised to Dec. 15, 1925

Call Signal	Location of Station	Owner of Station	Power (watts)	Wave length	Frequency (kilocycles)
WIBF	Wheatland, Wis.	Miller Dance Hall	50	231	1,300
WIBG	Elkins Park, Pa.	St. Paul's Church	50	222	1,350
WIBH	New Bedford, Mass.	Elite Radio Stores	5	209.7	1,430
WIBI	Flushing, L. I.	F. B. Zittell	50	218.8	1,370
WIBJ	Chicago, Ill.	C. L. Carrell	50	215.7	1,390
WIBM	Chicago, Ill.	Billy Maine (portable)	10	216	1,390
WIBO	Chicago, Ill.	F. M. Schmidt	1,000	226	1,330
WIBQ	Farina, Ill.	F. M. Schmidt	5	205	1,460
WIBR	Weirton, W. Va.	Thos. A. Owings	50	246	1,220
WIBS	Elizabeth, N. J.	N. J. National Guard	20	202.6	1,480
WIBU	Poynette, Wis.	The Electric Farm	20	222	1,350
WIBW	Logansport, Ind.	L. L. Dill	100	220	1,360
WIBX	Utica, N. Y.	Grid-Leak, Inc.	5	205.4	1,460
WIBZ	Montgomery, Ala.	Powell Elec. Co.	10	231	1,300
WIL	St. Louis, Mo.	Benson Radio Co.	100	273	1,100
WIP	Philadelphia, Pa.	Gimbel Bros.	500	508.2	590
WJAD	Waco, Tex.	Jackson's Radio Eng. Labs.	500	352.7	850
WJAG	Norfolk, Neb.	Norfolk Daily News	200	270	1,110
WJAK	Greentown, Ind.	Clifford L. White	50	254	1,180
WJAM	Cedar Rapids, Iowa	W. D. M. Perham	100	268	1,120
WJAR	Providence, R. I.	The Outlet Co.	500	305.9	980
WJAS	Pittsburgh, Pa.	Pittsburgh Radio Sup. House	500	275	1,090
WJAZ	Mount Prospect, Ill.	Zenith Radio Co.	1,500	322.4	930
WJBA	Joliet, Ill.	D. H. Lentz	50	206.8	1,450
WJBB	St. Petersburg, Fla.	L. W. McClung	10	254	1,180

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Broadcast Stations in U. S., Revised to Dec. 15, 1925

Call Signal	Location of Station	Owner of Station	Power (watts)	Wave length	Frequency (kilocycles)
WJBC	La Salle, Ill.	Humner Furniture Co.	100	234	1,280
WJBG	Charlotte, N. C.	Interstate Radio, Inc.	10	224	1,340
WJBI	Red Bank, N. J.	Robt. S. Johnson	250	219	1,370
WJBK	Ypsilanti, Mich.	E. F. Goodwin	10	233	1,290
WJBL	Decautr, Ill.	Wm. Gushard D. G. Co.	500	270	1,110
WJBN	Sycamore, Ill.	St. John's Church	10	256	1,170
WJBQ	Lewisburg, Pa.	Bucknell University	100	211.1	1,420
WJD	Granville, Ohio	Denison Univ.	10	217.3	1,380
WJJD	Mooseheart, Ill.	Supreme Lodge, Loyal Order of Moose	500	302.8	990
WJR	Pontiac, Mich.	Jewett Radio Co.	5,000	517	580
WJY	New York, N. Y.	Radio Corp. of America	1,000	405.2	740
WJZ	New York, N. Y.	Radio Corp. of America	1,000	454.3	660
WKAA	Cedar Rapids, Iowa	H. F. Paar	50	278	1,080
WKAD	East Providence, R. I.	Chas. Looff (Crescent Park)	20	240	1,250
WKAF	Milwaukee, Wis.	WKAF Broadcasting Co.	250	261	1,150
WKAN	Montgomery, Ala.	United Battery Service Co.	15	226	1,330
WKAP	Cranston, R. I.	Dutee W. Flint	50	234	1,280
WKAQ	San Juan, P. R.	Radio Corp. of P. R.	500	340.7	880
WKAR	East Lansing, Mich.	Michigan State College	500	240.7	880
WKAV	Laconia, N. H.	Laconia Radio Club	50	224	1,340
WKBB	Joliet, Ill.	Sanders Bros.	100	214.2	1,400
WKBE	Webster, Mass.	K & B Electric Co.	10	231	1,300
WKBG	Chicago, Ill.	C. S. Carrell (portable)	100	216	1,390
WKRC	Cincinnati, O.	Kodel Radio Shop	1,000	422.3 325.9	710 920
WKY	Oklahoma City, Okla.	WKY Radio Shop	100	275	1,090

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DIAL 1	DIAL 2	DIAL 3	REMARKS

Broadcast Stations in U. S., Revised to Dec. 15, 1925

Call Signal	Location of Station	Owner of Station	Power (watts)	Wave length	Frequency (kilocycles)
WLAL	Tulsa, Okla.	First Christian Church	150	250	1,200
WLAP	Louisville, Ky., 306 West Breckenridge St.	W. V. Jordon	20	275	1,090
WLAX	Greencastle, Ind.	Greencastle Com. Broad. Sta.	10	231	1,300
WLB	Minneapolis, Minn.	Univ. of Minn.	500	278	1,080
WLBL	Stevens Point, Wis.	Wisc. Dept. of Markets	500	278	1,080
WLIB	Chicago, Ill.	Liberty Weekly	2,500	302.8	990
WLIT	Philadelphia, Pa.	Lit Bros.	500	394.5	760
WLS	Crete, Ill.	Sears-Roebuck & Co.	1,500	344.6	870
WLTS	Chicago, Ill.	Lane Technical High School	100	258	1,160
WLW	Cincinnati, Ohio	Crosley Radio Corp.	5,000	422.3	710
WLWL	New York, N. Y.	St. Paul Miss. Society	1,000	288	1,040
WMAC	Cazenovia, N. Y.	Clive B. Meredith	100	275	1,090
WMAF	Dartmouth, Mass.	Round Hills Radio Corp.	1,000	441	680
WMAK	Lockport, N. Y.	Norton Laboratories	500	266	1,130
WMAN	Columbus, Ohio	First Baptist Church	50	278	1,080
WMAQ	Chicago, Ill.	Chicago Daily News	500	447.5	670
WMAY	St. Louis, Mo.	Kingshighway Presby. Church	100	248	1,210
WMAZ	Macon, Ga.	Mercere University	500	261	1,150
WMBB	Chicago, Ill.	Amer. Bond & Mortgage Co.	500	250	1,200
WMBC	Detroit, Mich.	Michigan Broadcasting Co.	100	256	1,170
WMBF	Miami Beach, Fla.	Fleetwood Hotel	500	384.4	780
WMC	Memphis, Tenn.	Commercial Appeal	500	499.7	600
WNAB	Boston, Mass.	Shepherd Stores	100	250	1,200
WNAC	Boston, Mass.	Shepard Stores	500	280.2	1,070
WNAD	Norman, Okla.	Univ. of Oklahoma	250	254	1,180

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DIAL 1	DIAL 2	DIAL 3	REMARKS

Broadcast Stations in U. S., Revised to Dec. 15, 1925

Call Signal	Location of Station	Owner of Station	Power (watts)	Wave length	Frequency (kilocycles)
WNAL	Omaha, Neb.	Omaha Central H. School	50	258	1,160
WNAP	Springfield, Ohio	Wittenberg College	100	248	1,210
WNAR	Butler, Mo.	First Christian Church	20	231	1,300
WNAT	Philadelphia, Pa.	Lennig Bros. Co.	100	250	1,200
WNAX	Yankton, S. Dak.	Daka. Radio Apparatus Co.	100	244	1,230
WNJ	Newark, N. J., 89 Lehigh.	Radio Shop of Newark	150	233	1,290
WNOX	Knoxville, Tenn.	People's T. & T. Co.	500	268	1,120
WNYC	New York City	City of New York	1,000	526	570
WOAC	Lima, Ohio	Page Organ Co.	50	261	1,150
WOAI	San Antonio, Tex.	Southern Equip. Co.	2,000	394.5	760
WOAN	Lawrenceburg, Tenn.	James D. Vaughn	500	282.8	1,060
WOAW	Omaha, Neb.	Woodmen of the World	500	526	570
WOAX	Trenton, N. J.	Franklyn J. Wolff	50	240	1,250
WOC	Davenport, Iowa	Palmer Sch. of Chiropractic	5,000	483.6	620
WOCG	Sycamore, Ill.	Triple Alliance Co.	10	205.4	1,460
WOCL	Jamestown, N. Y.	Hotel Jamestown	15	275	1,090
WODA	Patterson, N. J.	O'Dea Radio & Victrola Shop.	250	224	1,340
WOI	Ames, Iowa	Iowa State College	750	270	1,110
WOK	Homewood, Ill.	Neutrowound Radio Co.	5,000	217	1,380
WOO	Philadelphia, Pa.	John Wanamaker	500	508.2	590
WOQ	Kansas City, Mo.	Unity Sch. of Christianity	1,000	278	1,080
WOR	Newark, N. J.	L. Bamberger & Co.	500	405.2	740
WORD	Batavia, Ill.	People Pulpit Assn.	5,000	275	1,090
WOS	Jefferson City, Mo.	Mo. State Marketing Bureau	500	440.9	680
WOWL	New Orleans, La.	Owl Battery Co.	10	270	1,110

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DIAL 1	DIAL 2	DIAL 3	REMARKS

Broadcast Stations in U. S., Revised to Dec. 15, 1925

Call Signal	Location of Station	Owner of Station	Power (watts)	Wave length	Frequency (kilocycles)
WOWO	Fort Wayne, Ind.	Main Auto Supply Co.	500	227	1,320
WPAJ	New Haven, Conn.	Doolittle Radio Corp.	100	268	1,120
WPAK	Agricultural College, N. Dak.	N. Dak. Agri. College	50	275	1,090
WPCC	Chicago, Ill.	No. Shore Cong. Church	500	258	1,160
WPG	Atlantic City, N. J.	Municipality of Atlantic City	500	299.8	1,000
WPRC	Harrisburg, Pa.	Wilson Ptg. & Radio Co.	100	215.7	1,390
WPSC	State College, Pa.	Penn. State College	500	261	1,150
WQAA	Parkesburg, Pa.	Horace A. Beale, Jr.	500	220	1,360
WQAC	Amarillo, Tex.	Gish Radio Service	100	234	1,280
WQAE	Springfield, Vt.	Moore Radio News Station	50	246	1,220
WQAM	Miami, Fla.	Electrical Equipment Co.	100	263	1,140
WQAN	Scranton, Pa.	Scranton Times	100	250	1,200
WQAO	New York, N. Y.	Calvary Baptist Church	100	360	833
WQJ	Chicago, Ill.	Calumet Rainbo Broadcast. Co.	500	447.5	670
WRAF	Laporte, Ind.	The Radio Club	15	224	1,340
WRAK	Escanaba, Mich.	Economy Light Co.	100	256	1,170
WRAM	Galesburg, Ill.	Lombard College	100	244	1,230
WRAV	Yellow Springs, Ohio	Antioch College	100	263	1,140
WRAW	Reading, Pa.	Ave. Radio & Elec. Shop	10	238	1,260
WRAX	Gloucester City, N. J.	Flexon's Garage	500	268	1,120
WRBC	Valparaiso, Ind.	Immanuel Lutheran Church	500	278	1,080
WRC	Washington, D. C.	R. C. A.	500	468.5	640
WRCO	Raleigh, N. C.	Wynne Radio Co.	100	252	1,190
WREO	Lansing, Mich.	Reo Motor Car Co.	500	285.5	1,050
WRHF	Washington, D. C.	Wash. Radio Hosp. Fund	50	256	1,170

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DIAL 1	DIAL 2	DIAL 3	REMARKS

Broadcast Stations in U. S., Revised to Dec. 15, 1925

Call Signal	Location of Station	Owner of Station	Power (watts)	Wave length	Frequency (kilocycles)
WRHM	Minneapolis, Minn.	Rosedale Hospital	50	252	1,190
WRK	Hamilton, Ohio	Doron Bros. Elec. Co.	100	270	1,110
WRL	Schenectady, N. Y.	Union College	500	360	833
WRM	Urbana, Ill.	Univ. of Ill.	500	273	1,100
WRMU	New York, N. Y.	A. H. Grebe Co., Inc.	100	236	1,270
WRNY	New York, N. Y.	Experimenter Pub. Co.	500	258	1,160
WRST	Bay Shore, N. Y.	Radiotel Mfg. Co.	250	215.7	1,390
WRVA	Richmond, Va.	Lazarus & Bro. Co.	1,000	256	1,170
WRW	Tarrytown, N. Y.	Tarrytown Radio Research Lab.	500	273	1,100
WSAI	Cincinnati, Ohio	U. S. Playing Card Co.	5,000	325.9	920
WSAJ	Grove City, Pa.	Grove City College	250	229	1,310
WSAN	Allentown, Pa.	Allentown Call Pub. Co.	100	229	1,310
WSAR	Fall River, Mass.	Doughty & Welch Elec. Co.	100	254	1,180
WSAX	(Portable)	Zenith Radio Corp.	100	268	1,120
WSAZ	Pomeroy, Ohio	Chase Electric Shop	50	244	1,230
WSB	Atlanta, Ga.	Atlanta Journal	1,000	428.3	700
WSBC	Chicago, Ill.	World Battery Co.	500	209.7	1,430
WSBF	St. Louis, Mo.	Stix, Baer Co.	100	273	1,100
WSBT	South Bend, Ind.	South Bend Tribune	250	275	1,090
WSDA	New York, N. Y.	City Temple	250	263	1,140
WSKC	Bay City, Mich.	World's Star Knitting Co.	100	261	1,150
WSMB	New Orleans, La.	Maison Blanche Bldg.	500	319	940
WSMH	Owosso, Mich.	Shattuck Music House	20	240	1,250
WSMK	Dayton, Ohio	S. M. K. Radio Corp.	500	275	1,090
WSOE	Milwaukee, Wisc.	Sch. of Eng. of Milwaukee	100	246	1,220

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DIAL 1	DIAL 2	DIAL 3	REMARKS

Broadcast Stations in U. S., Revised to Dec. 15, 1925

Call Signal	Location of Station	Owner of Station	Power (watts)	Wave length	Frequency (kilocycles)
WSRO	Hamilton, Ohio, 240 N. Front St.	Radio Co. (H. W. Fahrlander)	5	252	1,196
WSUI	Iowa City, Iowa	State Univ. of Iowa	500	483.6	620
WTAB	Fall River, Mass.	F. R. Daily Herald Pub. Co.	100	266	1,130
WTAC	Johnstown, Pa.	Penn. Traffic Co.	100	209.7	1,430
WTAD	Carthage, Ill.	Robt. E. Compton	50	236	1,270
WTAL	Toledo, Ohio	Toledo Radio & Elec. Co.	10	252	1,190
WTAM	Cleveland, Ohio	Willard Storage Bat. Co.	3,500	389.4	770
WTAP	Cambridge, Ill.	Camb. Radio & Elec. Co.	50	242	1,240
WTAQ	Osseo, Wis.	S. H. Van Gordon & Son	100	254	1,180
WTAR	Norfolk, Va.	Reliance Electric Co.	100	261	1,150
WTAT	Boston, Mass. (portable)	Edison Elec. Illum. Co.	100	244	1,230
WTAW	College Station, Tex.	Agri. & Mech. Col. of Texas	500	270	1,110
WTAX	Streator, Ill.	Williams Hardware Co.	50	231	1,300
WTAZ	Lambertville, N. J.	Thomas J. McGuire	15	261	1,150
WTG	Manhattan, Kans.	Kans. State Agric. College	50	273	1,100
WTIC	Hartford, Conn.	Travelers Insurance Co.	500	348.6	860
WWAD	Philadelphia, Pa.	Wright & Wright	250	250	1,200
WWAE	Plainfield, Ill.	Lawrence J. Crowley	500	242	1,240
WWGL	Richmond Hill, N. Y.	Radio Eng. Corp.	500	213	1,410
WWI	Dearborn, Mich.	Ford Motor Co.	250	266	1,130
WWJ	Detroit, Mich.	Detroit News	500	352.7	850
WWL	New Orleans, La.	Loyola University	5	275	1,090

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DIAL 1	DIAL 2	DIAL 3	REMARKS

Broadcasting Stations by Meters

Wave Length Meters	Call Signal	Frequency Kilocycles	Location of Station
545	KFUO	550	St. Louis, Mo.
545	KSD	550	St. Louis, Mo.
535	KYW	560	Chicago, Ill.
535	WHA	560	Madison, Wis.
526	WHO	570	Des Moines, Iowa
526	WNYC	570	New York, N. Y.
526	WOAW	570	Omaha, Nebr.
517	WCX	580	Detroit, Mich.
508	KLX	590	Oakland, Calif.
508	WIP	590	Philadelphia, Pa.
508	WOO	590	Philadelphia, Pa.
500	WMC	600	Memphis, Tenn.
500	KFRU	600	Columbia, Mo.
492	KGW	610	Portland, Ore.
492	WEAF	610	New York, N. Y.
484	WOC	620	Davenport, Iowa.
484	WSUI	620	Iowa City, Iowa
476	WBAP	630	Fort Worth, Te.
476	WEEI	630	Boston, Mass.
476	WFAA	630	Dallas, Tex.
469	KFI	640	Los Angeles, Calif.
469	WCAP	640	Washington, D. C.
469	WRC	640	Washington, D. C.
461	WCAE	650	Pittsburgh, Pa.
454	KFOA	660	Seattle, Wash.
454	KTW	660	Seattle, Wash.
454	WJZ	660	New York, N. Y.
448	WMAQ	670	Chicago, Ill.
448	WQJ	670	Chicago, Ill.
441	KLDS	680	Independence, Mo.
441	WDWF	680	
441	WMAF	680	So. Dartmouth, Mass.
441	WOS	680	Jefferson City, Mo.
428	KPO	700	San Francisco, Calif.
428	WSB	700	Atlanta, Ga.
422	WKRC	710	Cincinnati, Ohio
326		920	
422	WLW	710	Cincinnati, Ohio
416	WCCO	720	Minneapolis, Minn.
405	KHJ	740	Los Angeles, Calif.
405	WJY	740	New York, N. Y.
405	WOR	740	Newark, N. J.
400	WHAS	750	Louisville, Ky.
395	WFI	760	Philadelphia, Pa.
395	WOAI	760	San Antonio, Tex.
395	WLIT	760	Philadelphia, Pa.
389	WEAR	770	Cleveland, Ohio
389	WTAM	770	Cleveland, Ohio
384	KJR	780	Seattle, Wash.
384	WMBF	780	Miami Beach, Fla.
380	WGFY	790	Schenectady, N. Y.
380	WHAZ	790	Troy, N. Y.
375	KTHS	800	Hot Springs, Ark.
370	WEBH	810	Chicago, Ill.
370	WGN	810	Chicago, Ill.
366	WDAF	820	Kansas City, Mo.
366	WHB	820	Kansas City, Mo.
361	KGO	830	Oakland, Calif.
361	WHN	830	New York, N. Y.
360	WQAO	833	New York, N. Y.
360	WRL	833	Schenectady, N. Y.
353	WJAD	850	Waco, Tex.
353	WWJ	850	Detroit, Mich.
349	KOB	860	State College, N. M.
349	KWSC	860	Pullman, Wash.
349	WTIC	860	Hartford, Conn.
345	WCBD	870	Zion, Ill.
345	WLS	870	Crete, Ill.
341	KFAB	880	Lincoln, Nebr.
341	KSAC	880	Manhattan, Kans.
341	WKAQ	880	San Juan, Porto Rico
341	WMCA	880	New York, N. Y.
337	KFMX	890	Northfield, Minn.
337	KNX	890	Los Angeles, Calif.
337	WCAL	890	Northfield, Minn.
333	KTAB	900	Oakland, Calif.
331	WBZ	900	Springfield, Mass.
326	WSAI	920	Cincinnati, Ohio
322	KOA	930	Denver, Colo.
322	WJAZ	930	Chicago, Ill.
319	WGR	940	Buffalo, N. Y.
319	WSMB	940	New Orleans, La.
316	KFDM	950	Beaumont, Tex.
317	KPSN	950	Pasadena, Calif.
316	WAHG	950	Richmond Hill, N. Y.
316	WGBS	950	New York, N. Y.
309	KDKA	970	E. Pittsburgh, Pa.
306	KTCL	980	Seattle, Wash.
306	WJAR	980	Providence, R. I.
303	WJJD	990	Mooseheart, Ill.
303	WLIB	990	Elgin, Ill.
303	WJR	990	Pontiac, Mich.
300	KFMQ	1000	Fayetteville, Ark.
300	KSL	1000	Salt Lake City, Utah
300	WPG	1000	Atlantic City, N. J.
297	KPRC	1010	Houston, Tex.
294	KTBI	1020	Los Angeles, Calif.
294	WBAV	1020	Columbus, Ohio
294	WEAO	1020	Columbus, Ohio
288	KFKX	1040	Hastings, Nebr.
288	WLWL	1040	New York, N. Y.
286	KFGZ	1050	Berrien Sprgs, Mich.
286	WEMC	1050	Berrien Sprgs, Mich.
286	WKAR	1050	E. Lansing, Mich.
286	WREO	1050	Lansing, Mich.
283	KFDJ	1060	Corvallis, Ore.
283	WOAN	1060	Lawrenceburg, Tenn.
280	WNAC	1070	Boston, Mass.
279	WLAP	1090	Louisville, Ky.
278	KFAU	1080	Boise, Idaho
278	KFDD	1080	Boise, Idaho
278	KFJM	1080	Grand Forks, N. Dak.
278	KOIL	1080	Council Bluffs, Iowa
278	KOP	1080	Detroit, Mich.
278	KUST	1080	Vermillion, S. Dak
278	KWWG	1080	Brownsville, Tex.
278	WAAF	1080	Chicago, Ill.
278	WAAW	1080	Omaha, Nebr.
278	WABO	1080	Rochester, N. Y.
278	WCAU	1080	Philadelphia, Pa.
278	WDZ	1080	Tuscola, Ill.
278	WFBG	1080	Altoona, Pa.
278	WGBC	1080	Memphis, Tenn.
278	WHAM	1080	Rochester, N. Y.
278	WHDI	1080	Minneapolis, Minn.
278	WKAA	1080	Cedar Rapids, Iowa
278	WGBU	1080	Tilford by-the-Sea, Fla.
278	WLB	1080	Minneapolis, Minn.
278	WLBL	1080	Stevens Point, Wis.
278	WMAN	1080	Columbus, Ohio
278	WOQ	1080	Kansas City, Mo.
278	WRBC	1080	Valparaiso, Ind.
275	KFKU	1090	Lawrence, Kans.
275	KFSG	1090	Los Angeles, Calif.
275	KQV	1090	Pittsburgh, Pa.
275	WAAC	1090	New Orleans, La.
275	WFBB	1090	Havre, Mont.
275	WAFD	1090	Port Huron, Mich.
275	WBAK	1090	Harrisburg, Pa.
275	WBT	1090	Charlotte, N. C.
275	WCAC	1090	Mansfield, Conn.
275	WCAO	1090	Baltimore, Md.
275	WCEE	1090	Elgin, Ill.
275	WEAU	1090	Sioux City, Iowa
275	WFAV	1090	Lincoln, Nebr.
275	WHAD	1090	Milwaukee, Wis.
275	WHAR	1090	Atlantic City, N. J.
275	WJAS	1090	Pittsburgh, Pa.
275	WKY	1090	Oklahoma City, Okla.
275	WMAC	1090	Cazenovia, N. Y.

Broadcasting Stations by Meters (Continued)

Wave Length Meters	Call Signal	Frequency Kilocycles	Location of Station
275	WOCL	1090	Jamestown, N. Y.
275	WORD	1090	Batavia, Ill.
275	WPAK	1090	Fargo, N. Dak.
275	WSBT	1090	So. Bend, Ind.
275	WSMK	1090	Dayton, Ohio
275	WWL	1090	New Orleans, La.
273	KFAD	1100	Phoenix, Ariz.
273	KFDY	1100	Brookings, S. Dak.
273	KFGH	1100	Stanford Univ., Calif.
273	KFIZ	1100	Fond du Lac, Wis.
273	KFKA	1100	Greeley, Colo.
273	KFLZ	1100	Atlantic, Iowa
273	KHQ	1100	Seattle, Wash.
273	WBAA	1100	W. Lafayette, Ind.
273	WBBR	1100	Rossville, N. Y.
273	WDAE	1100	Tampa, Fla.
273	WEBJ	1100	New York, N. Y.
273	WFAM	1100	St. Cloud, Minn.
273	WFBH	1100	New York, N. Y.
273	WHK	1100	Cleveland, Ohio
273	WIL	1100	St. Louis, Mo.
273	WRM	1100	Urbana, Ill.
273	WRW[3]	1100	Tarrytown, N. Y.
273	WSBF	1100	St. Louis, Mo.
273	WTG	1100	Manhattan, Kans.
270	KFBU	1110	Laramie, Wyo.
270	KGU	1110	Honolulu, Hawaii
270	WDBE	1110	Atlanta, Ga.
270	KZKZ	1110	Manila, P. I.
270	WBAO	1110	Decatur, Ill.
270	WEAN	1110	Providence, R. I.
270	WGHP	1110	Detroit, Mich.
270	WGST	1110	Atlanta, Ga.
270	WJAG	1110	Norfolk, Nebr.
270	WJBL	1110	Decatur, Ill.
270	WOI	1110	Ames, Iowa
270	WOWL	1110	New Orleans, La.
270	WRK	1110	Hamilton, Ohio
270	WTAW	1110	College Station, Tex.
268	KFEQ	1120	Oak, Nebr.
268	KFGC	1120	Baton Rouge, La.
268	KFRC	1120	San Francisco, Calif.
268	WAAB	1120	New Orleans, La.
268	WBBY	1120	Charleston, S. C.
268	WCBG	1120	Pascagoula, Miss.
268	WEAH	1120	Wichita, Kans.
268	WEBW	1120	Beloit, Wis.
268	WFBM	1120	Indianapolis, Ind.
268	WJAM	1120	Cedar Rapids, Iowa
268	WNOX	1120	Knoxville, Tenn.
268	WPAJ	1120	New Haven, Conn.
268	WRAX	1120	Gloucester, N. J.
268	WTAG	1120	Worcester, Mass.
266	KFFP	1130	Moberly, Mo.
266	KFIO	1130	Spokane, Wash.
266	KFNF	1130	Shenandoah, Iowa
266	KFPY	1130	Spokane, Wash.
266	KFRY	1130	State College, N. M.
266	KFWD	1130	Arkadelphia, Ark.
266	KLZ	1130	Denver, Colo.
266	WBCN	1130	Chicago, Ill.
266	WCAH	1130	Columbus, Ohio
266	WENR	1130	Chicago, Ill.
266	WHAV	1130	Wilmington, Del.
266	WMAK	1130	Lockport, N. Y.
266	WTAB	1130	Fall River, Mass.
266	WWI	1130	Dearborn, Mich.
263	KFJR	1140	Portland, Ore.
263	KFMW	1140	Houghton, Mich.
263	KFQA	1140	St. Louis, Mo.
263	KFQB	1140	Fort Worth, Tex.
263	KTBR	1140	Portland, Ore.
263	WAAM	1140	Newark, N. J.
263	WABR	1140	Toledo, Ohio
263	WABZ	1140	New Orleans, La.
263	WCAD	1140	Canton, N. Y.
263	WCAR	1140	San Antonio, Tex.
263	WCBE	1140	New Orleans, La.
263	WDAG	1140	Amarillo, Tex.
263	WEBZ	1140	Savannah, Ga.
263	WHAT	1140	Minneapolis, Minn.
263	WQAM	1140	Miami, Fla.
263	WRAV	1140	Yellow Springs, Ohio
263	WSDA	1140	New York, N. Y.
261	KFAJ	1150	Boulder, Colo.
261	KFJF	1150	Oklahoma City, Okla.
261	KFMR	1150	Sioux City, Iowa
261	KFUT	1150	Salt Lake City, Utah
261	KFWA	1150	Ogden, Utah
261	KWKH	1150	Shreveport, La.
261	WABQ	1150	Haverford, Pa.
261	WARC	1150	Medford, Mass.
261	WDAY	1150	Fargo, N. Dak.
261	WDBR	1150	Boston, Mass.
261	WEAM	1150	N. Plainfield, N. J.
261	WKAF	1150	Milwaukee, Wis.
261	WMAZ	1150	Macon, Ga.
261	WOAC	1150	Lima, Ohio
261	WPSC	1150	State College, Pa.
261	WSKC	1150	Bay City, Mich.
261	WTAR	1150	Norfolk, Va.
261	WTAZ	1150	Lambertville, N. J.
258	KFDH	1160	Tucson, Ariz.
258	KFJX	1160	Cedar Falls, Iowa
258	KFPW	1160	Carterville, Mo.
258	KFUL	1160	Galveston, Tex.
258	KOCH	1160	Omaha, Nebr.
258	WAAD	1160	Cincinnati, Ohio
258	WADC	1160	Akron, Ohio
258	WDBC	1160	Lancaster, Pa.
258	WFCZ	1160	Omaha, Nebr.
258	WHEC	1160	Rochester, N. Y.
258	WLTS	1160	Chicago, Ill.
258	WNAL	1160	Omaha, Nebr.
258	WPCC	1160	Chicago, Ill.
258	WRNY	1160	New York, N. Y.
256	KFIQ	1170	Yakima, Wash.
256	KFCF	1170	Walla Walla, Wash.
256	KFUS	1170	Oakland, Calif.
256	KRE	1170	Berkeley, Calif.
256	WBAX	1170	Wilkes-Barre, Pa.
256	WBDC	1170	Grand Rapids, Mich.
256	WCSH	1170	Portland, Me.
256	WDCH	1170	Hanover, N. H.
256	WDOD	1170	Chattanooga, Tenn.
256	WEBT	1170	Dayton, Ohio
256	WHBP	1170	Johnstown, Pa.
256	WJBN	1170	Sycamore, Ill.
256	WMBC	1170	Detroit, Mich.
256	WRAK	1170	Escanaba, Mich.
256	WRHF	1170	Washington, D. C.
256	WRVA	1170	Richmond, Va.
254	KFEL	1180	Denver, Colo.
254	KFJZ	1180	Fort Worth, Tex.
254	KFLR	1180	Albuquerque, N. M.
254	KFNG	1180	Coldwater, Mich.
254	KFWH	1180	Chico, Calif.
254	WABC	1180	Asheville, N. C.
254	WCAJ	1180	University Pl., Nebr.
254	WEAI	1180	Ithaca, N. Y.
254	WFBR	1180	Baltimore, Md.
254	WFBZ	1180	Galesburg, Ill.
254	WHBC	1180	Canton, Ohio
254	WIAS	1180	Burlington, Iowa
254	WJAK	1180	Greentown, Ind.
254	WJBB	1180	St. Petersburg, Fla.
254	WNAD	1180	Norman, Okla.
254	WSAR	1180	Fall River, Mass.
254	WTAQ	1180	Osseo, Wis.

Broadcasting Stations by Meters (Continued)

Wave Length Meters	Call Signal	Frequency Kilocycles	Location of Station
252	KFUC	1190	Le Mars, Iowa
252	KOCW	1190	Chickasha, Okla.
252	KFHA	1190	Gunnison, Colo.
252	KFOY	1190	St. Paul, Minn.
252	KFPL	1190	Dublin, Tex.
252	KFQT	1190	Denison, Tex.
252	KFWB	1190	Hollywood, Calif.
252	KMA	1190	Shenandoah, Iowa
252	WBBS	1190	New Orleans, La.
252	WFBL	1190	Syracuse, N. Y.
252	WGCP	1190	Newark, N. J.
252	WGBX	1190	Orono, Me.
252	WRCO	1190	Raleigh, N. C.
252	WRHM	1190	Minneapolis, Minn.
252	WSRO	1190	Hamilton, Ohio
252	WTAL	1190	Toledo, Ohio
250	KDPM	1200	Cleveland, Ohio
250	KFBG	1200	Tacoma, Wash.
250	KFDX	1200	Shreveport, La.
250	KFFV	1200	Orange, Tex.
250	KFGX	1200	Conway, Ark.
250	KFKQ	1200	Lamoni, Iowa
250	KFVY	1200	Aubuquerque, N. M.
250	KGB	1200	Tacoma, Wash.
250	KFXF	1200	Colorado Springs, Colo.
250	KMO	1200	Tacoma, Wash.
250	KUO	1200	San Francisco, Calif.
250	WCAX	1200	Burlington, Vt.
250	WFBC	1200	Knoxville, Tenn.
250	WGES	1200	Oak Park, Ill.
250	WHBA	1200	Oil City, Pa.
250	WHBY	1200	West De Pere, Wis.
250	WIAD	1200	Philadelphia, Pa.
250	WLAL	1200	Tulsa, Okla.
250	WMBB	1200	Chicago, Ill.
250	WNAB	1200	Boston, Mass.
250	WNAT	1200	Philadelphia, Pa.
250	WQAN	1200	Scranton, Pa.
250	WWAD	1200	Philadelphia, Pa.
248	KFBK	1210	Sacramento, Calif.
248	KFEC	1210	Portland, Ore.
248	KFIF	1210	Portland, Ore.
248	KFJB	1210	Marshalltown, Iowa
248	KFOX	1210	Omaha, Nebr.
248	KFRB	1210	Beeville, Texas
248	KFYR	1210	Bismark, N. D.
248	KQP	1210	Portland, Ore.
248	KWG	1210	Stockton, Calif.
248	WAPI	1210	Auburn, Ala.
248	WBRC	1210	Birmingham, Ala.
248	WEW	1210	St. Louis, Mo.
248	WGAL	1210	Lancaster, Pa.
248	WGBK	1210	Johnstown, Pa.
248	WMAY	1210	St. Louis, Mo.
248	WNAP	1210	Springfield, Ohio
246	KDYL	1220	Salt Lake City, Utah
246	KFJI	1220	Astoria, Ore.
246	KFJY	1220	Fort Dodge, Iowa
246	KFVW	1220	San Diego, Calif.
246	KGY	1220	Lacey, Wash.
246	WABX	1220	Mt. Clemens, Mich.
246	WCAZ	1220	Carthage, Ill.
246	WEBD	1220	Anderson, Ind.
246	WIBR	1220	Weirton, W. Va.
246	WQAE	1220	Springfield, Vt.
246	WSOE	1220	Milwaukee, Wis.
244	KFVR	1230	Denver, Colo.
244	KUOM	1230	Missoula, Mont.
244	WAMD	1230	Minneapolis, Minn.
244	WEBR	1230	Buffalo, N. Y.
244	WNAX	1230	Yankton, S. Dak.
244	WRAM	1230	Galesburg, Ill.
244	WSAZ	1230	Pomeroy, Ohio
244	WTAT	1230	Boston, Mass.
242	KFPM	1240	Greenville, Texas
242	KFRM	1240	Fort Sill, Okla.
242	KFUM	1240	Colorado Springs, Colo.
242	KFXH	1240	El Paso, Texas
242	KFUJ	1240	Breckenridge, Minn.
242	KLS	1240	Oakland, Calif.
242	KZM	1240	Oakland, Calif.
242	WABY	1240	Philadelphia, Pa.
242	WBZA	1240	Boston, Mass.
242	WCBH	1240	Oxford, Miss.
242	WEBC	1240	Superior, Wis.
242	WEBK	1240	Grand Rapids, Mich.
242	WGBB	1240	Freeport, N. Y.
242	WTAP	1240	Cambridge, Ill.
242	WWAE	1240	Plainfield, Ill.
240	KFHL	1250	Oskaloosa, Iowa
240	KFLX	1250	Galveston, Texas
240	KFVE	1250	St. Louis, Mo.
240	KFVI	1250	Houston, Texas
240	WCAT	1250	Rapid City, S. Dak.
240	WDBO	1250	Winter Park, Fla.
240	WGBI	1250	Scranton, Pa.
240	WHAP	1250	New York City
240	WKAD	1250	E. Providence, R. I.
240	WOAX	1250	Trenton, N. J.
240	WSMH	1250	Owasso, Mich.
238	KFSB	1260	Trinidad, Colo.
238	KFCB	1260	Phoenix, Ariz.
238	KFWU	1260	Pinesville, La.
238	WBBP	1260	Petoskey, Mich.
238	WCUW	1260	Worcester, Mass.
238	WHBL	1260	Logansport, Ind.
238	WHBN	1260	St. Petersburg, Fla.
238	WHT	1260	Deerfield, Ill.
238	WRAW	1260	Reading, Pa.
236	KFLU	1270	SanBenito, Texas
236	KFOO	1270	Salt Lake City, Utah
236	KFVG	1270	Independence, Kans.
236	KFVX	1270	Bentonville, Ark.
236	KFXE	1270	Waterloo, Iowa
236	KWKC	1270	Kansas City, Mo.
236	WBOQ	1270	Richmond Hill, N. Y.
236	WCBQ	1270	Nashville, Tenn.
236	WFBI	1270	Camden, N. J.
236	WFBJ	1270	Collegeville, Minn.
236	WGBF	1270	Evansville, Ind.
236	WGBT	1270	Greenville, S. C.
236	WGMU	1270	Richmond Hill, N. Y.
236	WIBA	1270	Madison, Wis.
236	WRMU	1270	New York, N. Y.
236	WTAD	1270	Carthage, Ill.
234	KFUP	1280	Denver, Colo.
234	KFVZ	1280	San Francisco, Calif.
234	KMJ	1280	Fresno, Calif.
234	WDBQ	1280	Salem, N. J.
234	WEBE	1280	Cambridge Ohio
234	WFBD	1280	Philadelphia, Pa.
234	WGBM	1280	Providence, R. I.
234	WGBQ	1280	Menominie, Wis.
234	WHBJ	1280	Ft. Wayne, Ind.
234	WJBC	1280	LaSalle, Ill.
234	WKAP	1280	Cranston, R. I.
234	WQAC	1280	Amarillo, Texas
233	KFEY	1290	Kellogg, Idaho
233	KFON	1290	Long Beach, Calif.
233	WDBX	1290	New Work, N. Y.
233	WDBZ	1290	Kingston, N. Y.
233	WEBA	1290	Highland Park, N. J.
233	WHAG	1290	Cincinnati, Ohio
233	WHBM	1290	Chicago, Ill.
233	WHBQ	1290	Memphis, Tenn.
233	WJBK	1290	Ypsilanti, Mich.
233	WNJ	1290	Newark, N. J.
231	KDLR	1300	Devils Lake, N. Dak.
231	KFDZ	1300	Minneapolis, Minn.
231	KFOT	1300	Wichita, Kans.

Broadcasting Stations by Meters (Continued)

Watts Length Meters	Call Signal	Frequency Kilocycles	Location of Station
231	KFPR	1300	Los Angeles, Calif.
231	KFQC	1300	Taft, Calif.
281	KQW	1300	San Jose, Calif.
231	WBRE	1300	Wilkes Barre, Pa.
231	WCLO	1300	Camp Lake, Wis.
231	WHBG	1300	Harrisburg, Pa.
231	WHBK	1300	Ellsworth, Me.
231	WIBZ	1300	Montgomery, Ala .
231	WKBE	1300	Webster, Mass.
231	WLAX	1300	Greencastle, Ind.
231	WNAR	1300	Butler, Mo.
231	WTAX	1300	Streator, Ill.
229	KFLV	1310	Rockford, Ill.
229	KPPC	1310	Pasadena, Calif.
229	WAIT	1310	Taunton, Mass.
229	WBBL	1310	Richmond, Va.
229	WCBM	1310	Baltimore, Md.
229	WDBJ	1310	Roanoke, Va.
229	WGBR	1310	Marshfield, Wis.
229	WSAJ	1310	Grove City, Pa.
229	WSAN	1310	Allentown, Pa.
227	KFVN	1320	Welcome, Minn.
227	KFXM	1320	Beaumont, Texas
227	WDBK	1320	Cleveland, Ohio
227	WOWO	1320	Fort Wayne, Ind.
226	KFOB	1330	Burlingame, Calif.
226	KFGQ	1330	Boone, Iowa
226	KFKZ	1330	Kirksville, Mo.
226	KFIU	1330	Juneau, Alaska
226	KFOR	1330	David City, Nebr.
226	KFQZ	1330	Hollywood, Calif.
226	KFWI	1330	S. San Francisco, Calif.
226	WBBA	1330	Newark, Ohio
226	WBBM	1330	Chicago, Ill.
226	WDAD	1330	Nashville, Tenn.
226	WEBL	1330	U. S. (Portable)
226	WEBM	1330	Mobile Station
226	WEBQ	1330	Harrisburg, Ill.
226	WFBE	1330	Seymour, Ind.
226	WIBO	1330	Chicago, Ill.
224	KFBC	1340	San Diego, Calif.
224	KFBL	1340	Everett, Wash.
224	KFQP	1340	Iowa City, Iowa
224	KFUR	1340	Ogden, Utah
224	KFVS	1340	Cape Girardeau, Mo.
224	WBBU	1340	Monmouth, Ill.
224	WODA	1340	Paterson, N. J.
224	WJBG	1340	Charlotte, N. C.
224	WKAV	1340	Laconia, N. H.
224	WRAF	1340	Laporte, Ind.
222	KFRZ	1350	Hartington, Nebr.
222	KZRQ	1350	Manila, P. I.
222	WBBW	1350	Norfolk, Va.
222	WBES	1350	Tacoma Park, Md.
222	WHBD	1350	Bellefontaine, Ohio
222	WHBF	1350	Rock Island, Ill.
222	WHBH	1350	Culver, Ind.
222	WIBC	1350	St. Petersburg, Fla.
222	WIBG	1350	Elkins Park, Pa.
222	WIBU	1350	Poynette, Wis.
220	KJBS	1360	San Francisco. Calif.
220	KFUU	1360	Oakland, Calif.
220	WIBW	1360	Logansport, Ind.
220	WQAA	1360	Parkesburg, Pa.
219	KFJC	1370	Junction City, Kans.
219	KFRW	1370	Olympia, Wash.
219	KFVH	1370	Manhattan, Kans.
219	WHBU	1370	Anderson, Ind.
219	WIBI	1370	Flushing, N. Y.
219	WJBI	1370	Red Bank, N. J.
217	KFQU	1380	Holy City, Calif.
217	KFRX	1380	Pullman, Wash.
217	WFKB	1380	Chicago, Ill.
217	WJD	1380	Granville, Ohio
217	WOK	1380	Homewood, Ill.
216	KFQW	1390	North Bend, Wash.
216	KFXJ	1390	Colorado (Portable)
216	WBBZ	1390	Chicago, Ill.
216	WHBR	1390	Cincinnati, Ohio
216	WHBW	1390	Philadelphia, Pa.
216	WIBJ	1390	Chicago, Ill.
216	WIBM	1390	Chicago, Ill.
216	WKBG	1390	Chicago, Ill.
216	WPRC	1390	Harrisburg, Pa.
216	WRST	1390	Bay Shore, N. Y.
214	KFAW	1400	Santa Ana, Calif.
214	KFWF	1400	St. Louis, Mo.
214	KFWP	1400	Brownsville, Texas
214	WCLS	1400	Joliet, Ill.
214	WKBB	1400	Joliet, Ill.
213	KFWV	1410	Portland, Ore.
213	WGBW	1410	Spring Valley, Ill.
213	WWGL	1410	Richmond Hill, N. Y.
211	KFWO	1420	Avalon, Calif.
211	WJBQ	1420	Lewisburg, Pa.
210	KFVU	1430	Eureka, Calif.
210	KFXC	1430	Santa Maria, Calif.
210	KDZB	1430	Bakersfield, Calif.
210	WIBH	1430	New Bedford, Mass.
210	WSBC	1430	Chicago, Ill.
210	WTAC	1430	Johnstown, Pa.
210	WBNY	1430	New York, N. Y.
208	KNRC	1440	Los Angeles, Calif.
207	KFWM	1450	Oakland, Calif.
207	WABW	1450	Wooster, Ohio
207	WJBA	1450	Joliet, Ill.
205	KFYF	1460	Oxnard, Calif.
205	KFVD	1460	San Pedro, Calif.
205	KFXD	1460	Logan, Utah
205	KFXY	1460	Flagstaff, Ariz.
205	WCBR	1460	Providence, R. I.
205	WEHS	1460	Evanston, Ill.
205	WIBQ	1460	Farina, Ill.
205	WIBX	1460	Utica, N. Y.
205	WFRL	1460	Brooklyn, N. Y.
205	WOCG	1460	Sycamore, Ill.
203	KFXB	1480	Big Bear Lake, Calif.
203	WIBS	1480	Elizabeth, N. J.

Broadcasting Stations of Canada

Call Signal	Location of Station	Owner of Station	Power (watts)	Wave length	Frequency (kilocycles)
CFAC	Calgary, Alta	The Calgary Herald	500	435	690
CFCA	Toronto, Ont.	Star Pub. & Print. Co.	500	357	840
CFCF	Montreal, Que.	Marconi Wireless Tel. Co. of Canada, Ltd.	1,650	411	730
CFCH	Iroquois Falls, Ont.	Abitibi Pr. & Paper Co., Ltd.	250	500	600
CFCK	Edmonton, Alta	Radio Supply Co., Ltd.	100	517	580
CFCN	Calgary, Alta	W. W. Grant Radio, Ltd.	1,800	435	690
CFCQ	Vancouver, B. C.	Radio Specialties, Ltd. (not active)	5	411	730
CFCT	Victoria, B. C.	The Victoria City Temple	500	330	910
CFCU	Hamilton, Ont.	Jack V. Elliott, Ltd.	500	341	880
CFCY	Charlottstown, P. E. I.	Island Radio Co.	50	312	960
CFKC	Thorold, Ont.	D. J. Fendell	75	248	1,210
CFMC	Kingston, Ont.	Monarch Battery Co.	20	268	1,120
CFQC	Saskatoon, Sask.	The Electric Shop, Ltd.	500	330	910
CFRC	Kingston, Ont.	Queen's University	500	268	1,120
CFXC	N. Westminster, B. C.	Westminster Trust Co.	20	291	1,030
CFYC	Vancouver B. C.	Victor Wentworth Odlum	500	411	730
CHCS	Hamilton, Ont.	The Hamilton Spectator	10	341	880
CHIC	Toronto, Ont.	Northern Electric Co., Ltd.	500	357	840
CHNC	Toronto, Ont.	Toronto Radio Res. Society	500	357	840
CHSC	Unity, Sask.	Horace N. Stovin	250	357	840
CHUC	Saskatoon, Sask.	Internat. Bible Students Assn.	50	330	910
CHXC	Ottawa, Ont.	J. R. Booth, Jr.	250	435	690
CHYC	Montreal, P. Q.	Northern Electric Co., Ltd.	850	411	730
CJBC	Toronto, Can.	Jarvis St. Baptist Church	...	357	840
CJCA	Edmonton, Alberta	The Edmonton Journal, Ltd.	500	517	580
CJCD	Toronto, Ont.	The T. Eaton Co., Ltd.	50	357	840
CJGC	London, Ont.	London Free Press Printing Co., Ltd.	50	330	910
CJKC	Burnaby, B. C.	Pyramid Temple Soc.	500	411	730
CJSC	Toronto, Ont.	The Evening Telegram	500	357	840
CJWC	Saskatoon, Sask.	Wheaton Elec. Co., Ltd.	250	330	910
CJYC	Scarboro Stn., Ont.	DeForest Radio Corp., Ltd.	500	291	1,030
CKAC	Montreal, Que.	LaPress Pub. Co., Ltd.	1,200	411	730
CKCD	Vancouver, B. C.	Vancouver Daily Province	1,000	411	730
CKCK	Regina, Sask.	Leader Pub. Co., Ltd.	500	312	960
CKCL	Toronto, Ont.	The Dominion Bat. Co., Ltd.	500	357	840
CKCO	Ottawa, Ont.	Dr. G. M. Geldert	100	435	690
CKCW	Burketon Jct., Ont.	Canadian Broadcast Corp. (not active)	5,000	330	910
CKFC	Vancouver, B. C.	First Congregational Church	50	411	730
CKNC	Toronto, Ont.	The Can. Nat'l Carbon Co.	500	357	840
CKOC	Hamilton, Ont.	Wentworth Rad. Sup. Co., Ltd.	50	341	880
CKY	Winnipeg, Man.	Manitoba Tel. System	500	384	780
CNRA	Moncton, N. B.	Canadian Natl'l Railways	500	312	960
CNRC	Calgary, Alta	Canadian Nat'l Railways	750	435	690
CNRE	Edmonton, Alta	Canadian Nat'l Railways	500	517	580
CNRM	Montreal, P. Q.	Canadian Nat'l Railways	1,000	411	730
CNRO	Ottawa, Ont.	Canadian Nat'l Railways	500	435	690
CNRR	Regina, Sask.	Canadian Natl'l Railways	500	312	960
CNRS	Saskatoon, Sask.	Canadian Nat'l Railways	500	330	910
CNRT	Toronto, Ont.	Canadian Nat'l Railways	500	357	840
CNRV	Vancouver, B. C.	Canadian Nat'l Railways	500	291	1,030
CNRW	Winnipeg, Man.	Canadian Nat'l Railways	500	384	780

Mexican Stations

Call Signal	Location of Station	Owner of Station	Power (watts)	Wave length	Frequency (kilocycles)
CYA	Mexico City	Partido Liberal Avanzado	100	540	
CBY	Mexico City	El Buen Tono	500	360	
CYC	Mexico City	Ministerio de Communicaciones	—	—	
CYD	Mexico City		—	350	
CYG	Mexico City	Secretaria de Guerra	100	—	
CYL	Mexico City	El Universal	500	360	
CYO	Monterey	Constantino Tarnova, Jr.	200	280	
CYR	Mazatlan	Rosseter y Cia.	250	440	
CYX	Mexico City	Excelsior Parker	500	333	
CYZ	Mexico City	La Ligua del Radio	100	400	
CZA	Mexico City	Dpt. of Aviation, War Ministry	100	510	
CZF	Chihuahua	Mexican Government	250	325	

Cuban Broadcasting Stations

Call Signal	Location	Operated by	Wave length	Power (watts)
6EV	Caibarien	Maria J. Alvarez	250	50
7AZ	Camaguey	Pedro Nogueros	225	10
7SR	Camaguey	Salvador Rionda	350	500
6KW	Central Tuinicu	Frank H. Jones	340	100
6YR	Camajuani	Diego Iborra	200	20
6JK	Central Tuinicu	Frank H. Jones	275	100
7BY	Ciego de Avila	Edurado V. Figuerea	235	20
6JG	Cienfuegos	Eligio Cobelo Ramirez	275	10
6BY	Cienfuegos	Jose Ganduxe	300	100
2HP	Havana	Credito y Construcciones Co.	295	100
2JP	Havana	Julio Power	270	20
2XX	Havana	Antonio A. Ginard	150	5
2CX	Havana	Frederick W. Borton	320	10
2AB	Havana	Alberto S. Bustamente	235	10
PWX	Havana	Cuban Telephone Co.	400	500
2EP	Havana	El Pais	455	400
2BB	Havana	Bernardo Barrie	255	15
2MG	Havana	Manuel y Guillermo Salas	280	20
20K	Havana	Mario Garcia Velez	360	100
20L	Havana	Oscar Collado Orta	300	100
2TW	Havana	Roberto E. Ramirez	230	20
2PK	Havana	George A. Lindeaux	195	10
5EV	Matanzas	Leopoldo T. Figueroa	360	10
6HS	Sagua la Grande	Santiga Ventura	200	10
8FU	Santiago	Andress Vinent	225	15
8BY	Santiago	Albert Ravelo	250	100
8HS	Santiago	Guillermo Polanco	200	20

British Stations

Call Signal	Location	Operated by	Power (watts)	Wave length
		UNITED KINGDOM		
5IT	Birmingham	British Broadcasting Co.	1,000	479
6BM	Bournemouth	British Broadcasting Co.	1,000	385
5XX	Daventry	British Broadcasting Co.	16,000	1,600
2LO	London	British Broadcasting Co.	2,000	365
2ZY	Manchester	British Broadcasting Co.	1,000	378
5NO	Newcastle	British Broadcasting Co.	1,000	408
5WA	Cardiff	British Broadcasting Co.	1,000	353
2BD	Aberdeen	British Broadcasting Co.	1,000	495
5SC	Glasgow	British Broadcasting Co.	1,000	422
2BE	Belfast	British Broadcasting Co.	1,000	435

Australian Stations

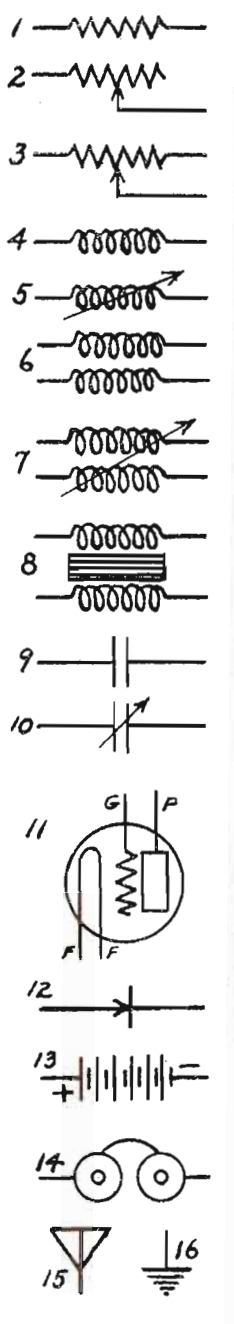
Call Signal	Location	Owner of Station	Power (watts)	Wave length	Frequency (kilocycles)
2FC	Sydney, N. S. W.	Farmer and Company, Ltd.	3,000	1,150	261
2BL	Sydney, N. S. W.	Broadcasters, Ltd.	500	350	857
3LO	Melbourne, Victoria	Australian Brdcastg. Co., Ltd.	3,000	371	809
3AR	Melbourne, Victoria	Associated Radio Co., Ltd.	500	380	789
5CL	Adelaide, S. Australia	Central Broadcasters, Ltd.	500	320	937
6WF	Perth, West Australia	W. Australian Farmers, Ltd.	3,000	1,250	240
7ZL	Hobart, Tasmania	Asociated Radio Co., Ltd.	500	390	769
4QG	Brisbane, Queensland	Government Radio Service	5,000	385	779

Schematic Symbols

The sixteen symbols given herewith are all that are used in the Radio Doings full-page diagrams, and the fan who desires to learn to read schematic diagrams should first become familiar with the meaning of the symbols.

How to Read Your Circuits

1. A resistance unit. Non-adjustable. Such as a filament ballast resistor or grid leak.
2. A variable resistance. Such as filament rheostat.
3. Potentiometer. Similar to rheostat, but having higher resistance and three terminals, the two ends of the resistance winding and the slider.
4. An inductance. Non-adjustable.
5. Inductance which is continuously variable, such as a variometer.
6. Coupler or radio frequency transformer, consisting of two inductances in inductive relation to each other and hence magnetically coupled. Coupling fixed.
7. Coupler or radio frequency transformer, with variable coupling between the primary and secondary windings. The variable feature is indicated by the arrow.
8. A transformer with iron core, such as audio frequency transformer.
9. Condenser of fixed capacity.
10. Condenser of variable capacity.
11. Vacuum tube. Three elements—filament, grid and plate. Used as amplifier of either radio or audio frequencise, and as detector.
12. Crystal rectifier or detector.
13. Battery, either dry cells or storage.
14. Headphones.
15. Antenna.
16. Ground.



The Browning-Drake Circuit

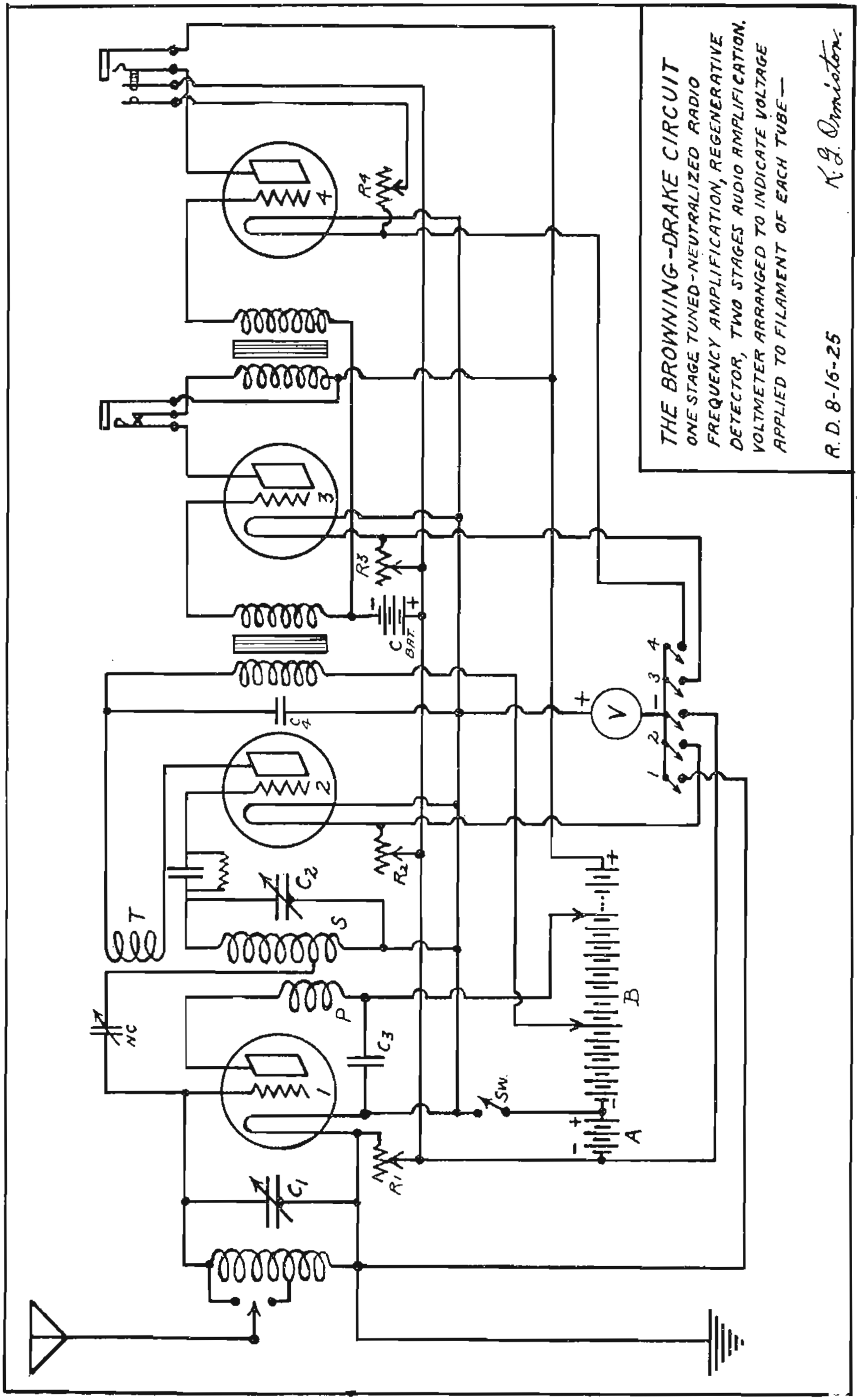
By K. G. ORMISTON

Theoretically, the Browning-Drake is similar to the Roberts, incorporating radio frequency amplification, which is both tuned and neutralized, with a regenerative detector.

The antenna circuit comprises a fixed condenser and all or a portion of the grid tuning inductance. When the portion is used and selectivity is greater, than with the whole coil in the antenna circuit. The grid inductance is shunted with a variable condenser for tuning. The output of the R.F. amplifier tube is inductively transferred to the grid circuit of the detector through the coils of the so-called "regeneformer." Self-oscillation of the R.F. tube is prevented by the use of a small neutralizing condenser from the grid of the tube to a tap on the grid inductance of the detector tube. Condenser C2 tunes the detector grid circuit. Regeneration is provided through the use of a tickler coil in the plate circuit with a variable coupling of the grid coil. A by-pass condenser, C4, provides a radio frequency path across the audio transformer primary and batteries.

Two ordinary stages of audio amplification follow. Both grids are biased by a common "C" battery. Each tube has its own rheostat and filament control and a novel voltmeter arrangement indicates the voltage applied to the filament terminals of each tube. Five push buttons enable the operator to, at a glance, observe the voltage of the A battery itself, and then the voltage applied to each filament as the rheostats are adjusted. This arrangement makes for greater efficiency in that the tubes are operated at their designated voltage, bettering the results and lengthening the life of the tubes.

Note.—The antenna circuit should include a small fixed condenser in series between antenna and inductance. This was omitted in the diagram.


THE BROWNING-DRAKE CIRCUIT
ONE STAGE TUNED-NEUTRALIZED RADIO FREQUENCY AMPLIFICATION, REGENERATIVE DETECTOR, TWO STAGES AUDIO AMPLIFICATION. VOLTMETER ARRANGED TO INDICATE VOLTAGE APPLIED TO FILAMENT OF EACH TUBE—
R. D. 8-16-25
K. G. Ormiston.
C1
C2
C3
C4
NC
P
S
T
R1
R2
R3
R4
SW.
A
B
C BAT.
V
1
2
3
4

The Roberts Circuit

A circuit which has proven very popular, possessed of remarkable sensitiveness and satisfactory selectivity is the Roberts, diagramed on the opposite page. To the standard 2-tube circuit, reflexed, is added a stage of push-pull amplification.

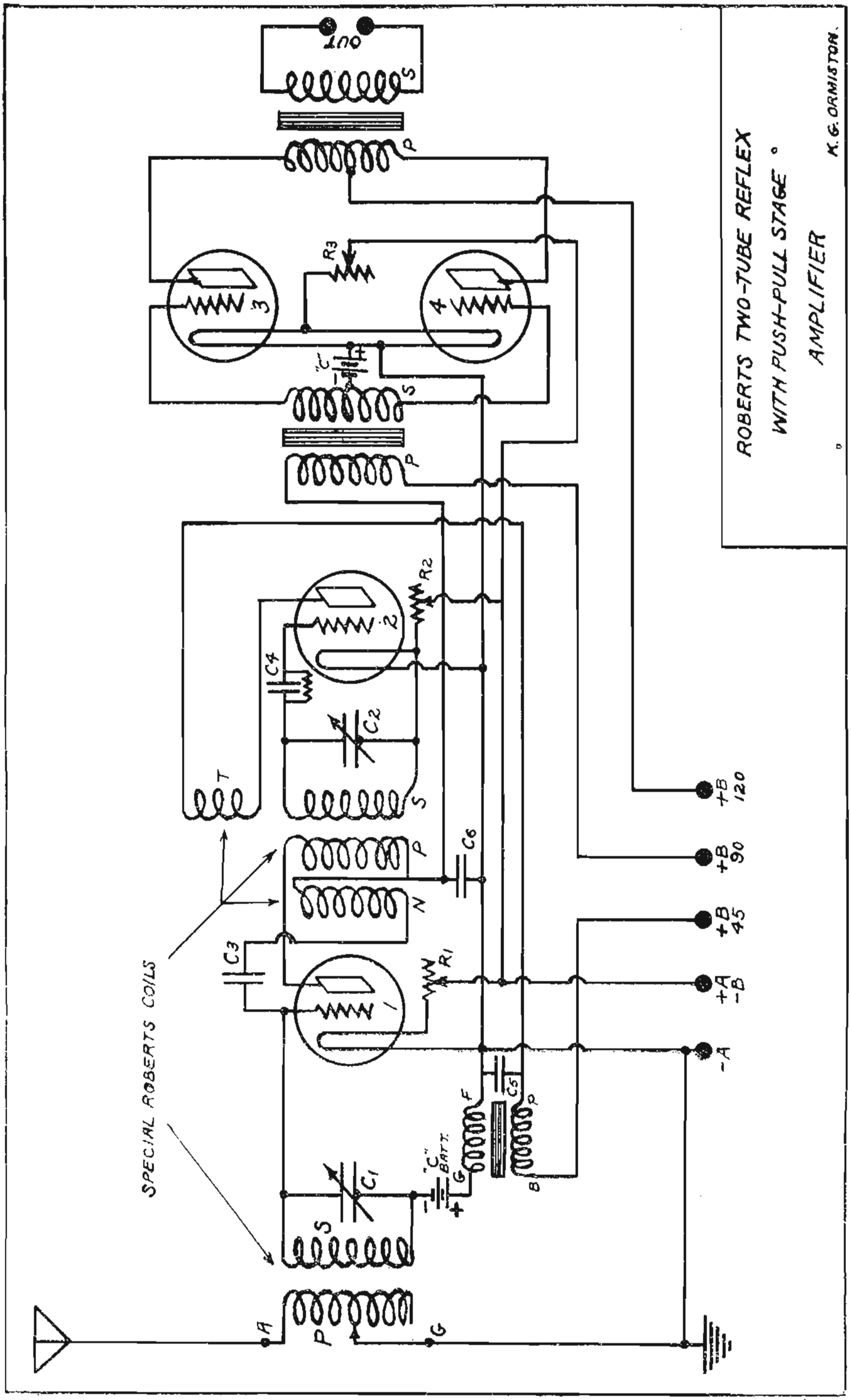
The peculiar features of the circuit are the method of neutralization to prevent self-oscillation of the radio frequency amplifier tube, and that regeneration is incorporated in the detector circuit.

The heart of the circuit lies in the two special coil units. These, in the original Roberts design were wound in the spider web fashion, but other coil manufacturers have used other methods of winding equally or more satisfactory. The original antenna coil consisted of 40 turns of No. 22, tapped at 6 points. The secondary winding consists of 44 turns of No. 22 and the coupling between the two is semi-adjustable. The second coil unit has four windings though two of them are wound together as one coil. The neutralizing coil and the primary are wound together, both having 20 turns of No. 26. The secondary coil 44 turns No. 22 and the tickler coil 18 turns of No. 22. The tickler coil has variable couplings with respect to the secondary. Prevention of self-oscillation is accomplished by the neutralizing coil and the small fixed condenser C3.

Regeneration by tickler feed-back insures maximum sensitiveness and selectivity, being in itself practically equal to an additional stage of radio frequency amplification.

The output of the detector tube is reflexed back through the first tube, it now serving as an audio amplifier, and the amplified output of audio frequency then is further amplified through the push-pull tsage. If a single tube audio stage of amplification is substituted for the push-pull stage, you have the 3-tube Roberts, which is so very popular. Our purpose in giving the push-pull addition is to diagram this particular type of amplification unit, and is by no means an indication that this type of amplifier is necessary with this circuit.

The 120-volts B battery shown for the push-pull need be but 90 volts either for the push-pull or single stage if so desired.


ROBERTS TWO-TUBE REFLEX
WITH PUSH-PULL STAGE
AMPLIFIER
K. G. ORMISTON.
SPECIAL ROBERTS COILS
OUT
"C" BATT.
+B 120
+B 90
+B 45
+A -B
-A

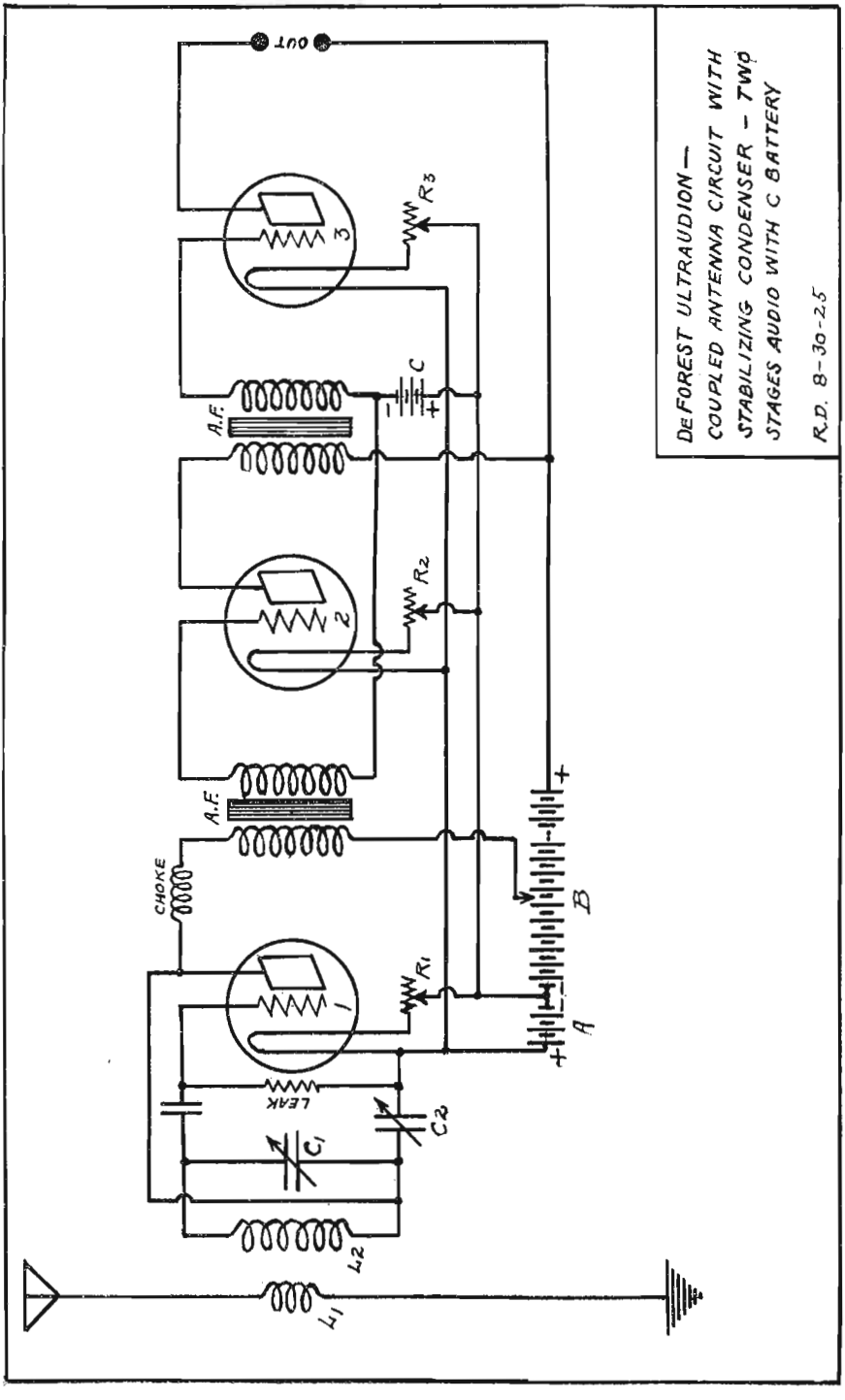
DeForest Ultraudion Circuit

By K. G. ORMISTON

The antenna or primary circuit consists of merely 10 or 12 turns of No. 16 D.C.C. wire. The secondary circuit consists of 42 turns of No. 16 wound on a 4-inch tubing. The primary coil is so arranged that it can be rotated within the secondary, thereby varying the inductive coupling between the two circuits. The secondary coil is shunted by a 23-plate low loss variable condenser with Vernier. The condenser C1 is of like capacity, but need not have the vernier adjustment. The "A" battery is 1½ volts if WD-11 or WD-12 tube is used, 4½ volts for UV-199 tube, and 6 volts for UV-201-A or UV-200 tubes. The "B" battery should range from 18 to 45 volts, depending upon the tube. The grid leak may be variable to suit the characteristics of the tube also.

With the coupling between L1 and L2 at zero, that is, with the coils at right angles to each other, and with condenser C1 at zero, the set should oscillate continuously throughout the range of condenser CT. Advancing condenser C1 should stop the oscillations at any setting of C2. C1 is the oscillation control and behaves just like a regeneration dial, only that advancing the dial stops oscillation instead of increasnig it. The antenna coupling coil should be set at such an angle as to give satisfactory selectivity for any given locality, and may then be left alone.

In tuning the set, turn the coupling coil to maximum, and with C2 at the lower end of the scale, advance C1 until oscillations just stop. Then advance C2 and C1 together, keeping C1 just far enough ahead so that the tube is always just below the point fo self-oscillation. The carrier waves of the broadcasters will come in with a hiss bordering on a whistle, and the adjustments are then made to obtain clear reproduction.


DE FOREST ULTRAUDION—
COUPLED ANTENNA CIRCUIT WITH
STABILIZING CONDENSER - TWO
STAGES AUDIO WITH C BATTERY
R.D. 8-30-25
OUT
R3
R2
R1
C
A.F.
A.F.
CHOKE
LEAK
C1
C2
L1
L2
A
B
1
2
3

Improved Harkness Counterflex

By K. G. ORMISTON

We are giving the new improved three-tube circuit which Kenneth Harkness has named "Counterflex." It is a circuit which has become very popular and hence we feel that Mr. Harkness' latest changes and improvements should be passed along to our readers at the earliest moment.

The two radio frequency transformers, or "counterformers," are new in design and improved in efficiency. The first one has for its secondary 63 turns of No. 23 single cotton covered wire on a form 3 inches in diameter. The primary is wound on a smaller tube 2⅝ inches in diameter and one inch wide and mounted at the filament end of the secondary coil in such a manner that it can be rotated, thereby varying the coupling. It consists of 10 turns of No. 30 double silk insulated wire. The two windings are made opposite in direction.

The second counterformer has 25 turns of No. 30 D.S.C. on a 2¾-inch diameter tube, and the secondary is exactly the same as the other secondary.

The "counterdon" or counteracting condenser C3 has larger capacity than the old set, having 7 plates. The primary of the secondary audio frequency transformer (audio 2) is shunted with a fixed condenser of .001 mf. capacity and the secondary is shunted with a grid leak of ¼ megohm resistance. This prevents noise and improves quality. The secondary of the first audio transformer (audio 1) is shunted with a small fixed condenser and also with a variable leak having a resistance range of from 5,000 to 250,000 ohms. This leak provides an adjustment which will prevent overloading and blocking of the reflexed tube on strong signals, giving volume control also.

In using fine wire on the primaries and mounting them at the very end of the secondary coils, at the filament end in each case, the result is a material decrease in the capacitive coupling between the windings without lowering the inductive coupling. Since, in the new counterformers, the secondaries are identical, the two tuning condensers may be made to log exactly alike by shunting the first one with a small fixed condenser to make up for the slightly greater capacity between the primary and secondary windings of the second counterformer.

A "C" battery is provided for both amplifier tubes, improving quality. But one rheostat is used for all three tubes, and one output jack.

What the Radio Conference Did

From out of a confusing mass of resolutions, proposals, talked of and discussed at the Fourth National Radio Conference, which was held in Washington beginning on November 9, and presided over by Secretary of Commerce, Herbert H. Hoover, the following definite decissions were made:

No more broadcasting stations will be licensed to go on the air until there are suitable channels released.

No more stations will be forced to divide time or wave lengths.

The broadcasting band will remain between 202 and 545 meters.

The manufacture of radiating or regenerative receivers was condemned by the conference.

Spark sets, used by amateurs and the navy, were condemned.

Five years to be the duration of station licenses.

Government censorship was rigidly opposed.

Direct methods of advertising in broadcasting were condemned.

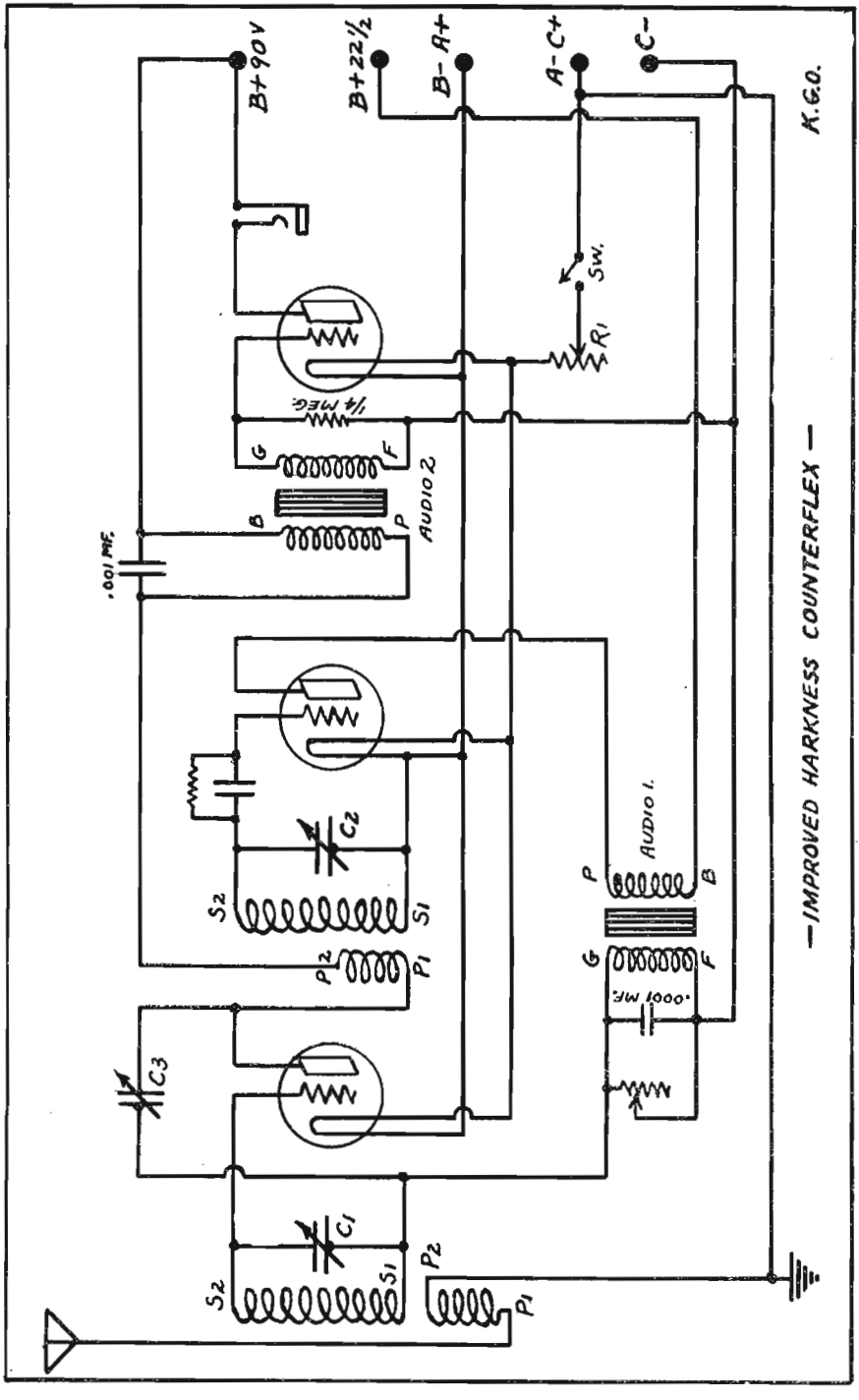
Designations of stations as Class "A" and "Class B" to be discontinued.

Speculation in wave lengths was condemned.

Rebroadcasting of programs without permission of the station will be prohibited.

Amateur wave assignments were maintained but amateurs are to be

(Continued on Page 84)


B+90 V
B+22½
B- A+
A- C+
C-
K.G.O.
— IMPROVED HARKNESS COUNTERFLEX —
Sw.
R1
¼ MEG.
G
F
AUDIO 2
B
P
.001 MF.
C2
S2
S1
P2
P1
C3
C1
AUDIO 1.
.0001 MF.

Crosley Trirdyn Circuit

By K. G. ORMISTON

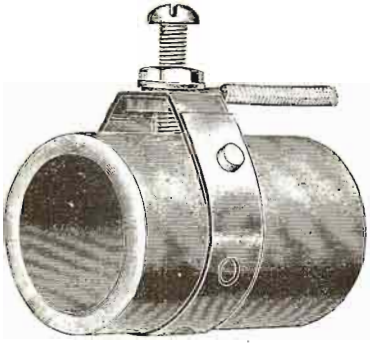
The circuit used in the Crosley Trirdyn presents one of the most interesting of the reflex sets, incorporating tuned radio frequency amplification, regenerative detector, and reflexed audio-amplification—all in three tubes.

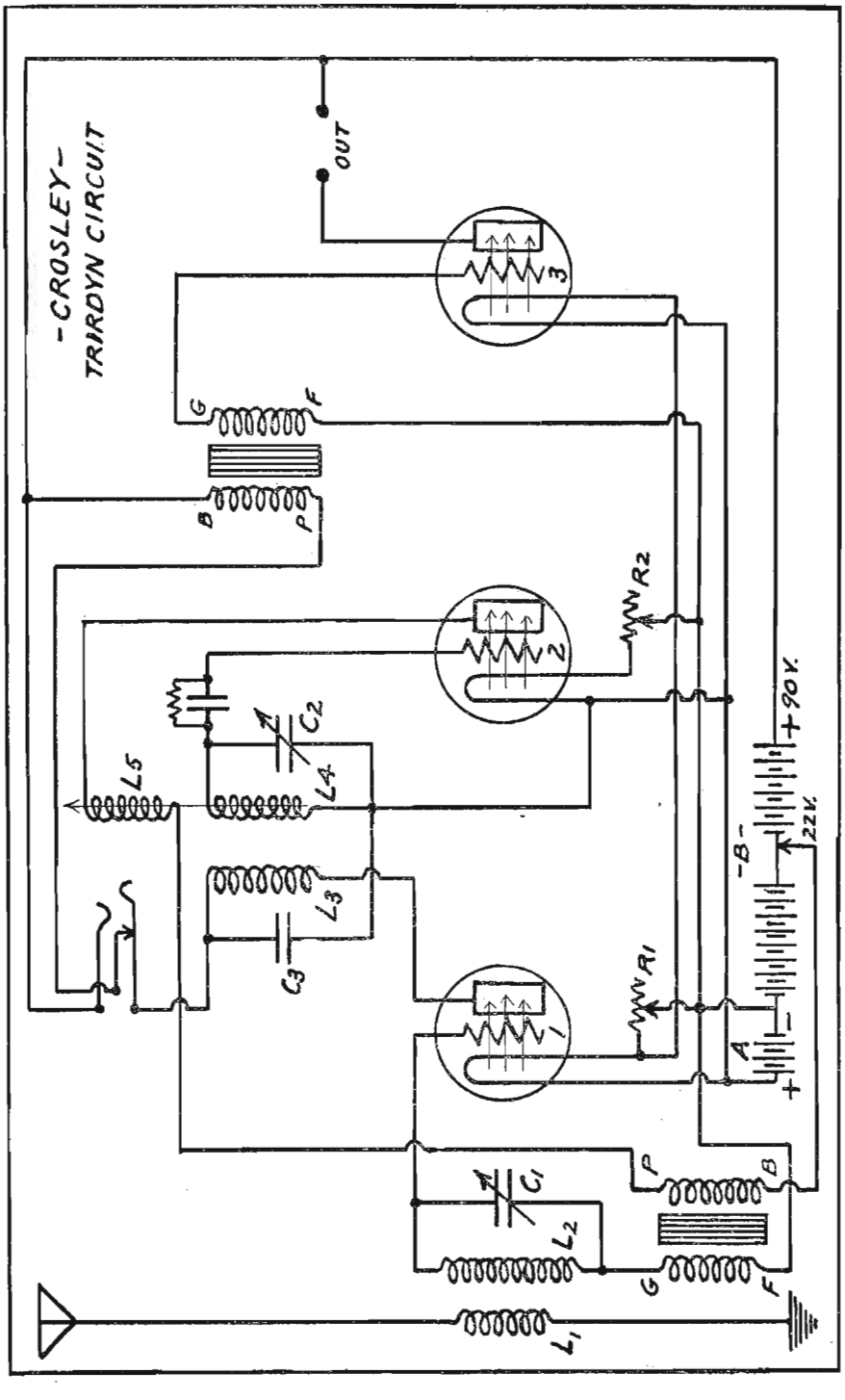
The antenna circuit is untuned, consisting solely of the winding L1. This coil is coupled tightly with coil L2, which is the grid inductance of the first tube, shunted by the .0005 variable tuning condenser C1. The amplified RF output of tube No. 1 is transferred from L3 to L4. L4, shunted by variable condenser C2, tunes the grid circuit of the detector tube. The plate circuit of the detector contains coil L5, which is a tickler with variable coupling to L4, and is for the purpose of providing regeneration.

The audio frequency output of the detector is coupled back into the grid circuit of the first tube through the audio frequency amplifier in the lower left hand corner. The audio frequency amplifier of tube No. 1 then is coupled to Tube No. 3 through the second audio frequency transformer, and the output of the third tube is fed to the loud speaker.

There are three main controls. C1 and C2, the two tuning condensers, and the tickler regeneration control—that is, the coupling between L5 and L4. Then there are two rheostats, one on the detector and one controlling the filament temperature of the two amplifier tubes.

Apart from the Roberts method of preventing self-oscillation of the R.F. tube, you will note the similarity between this circuit and the Roberts.




-CROSLEY-
TRIRDYN CIRCUIT
OUT
3
2
1
G
F
P
B
R2
R1
C2
C3
C1
L5
L4
L3
L2
L1
+90V.
22V.
-B-
A
+
-

The Improved Silver Super

By K. G. ORMISTON

We are illustrating the new McMurdo Silver super-heterodyne circuit, using seven tubes. Perhaps the most outstanding feature is the use of plug-in coils for both antenna coupler and oscillator coils, permitting of flexibility in wave-length range. These coils are also so designed as to have low losses, being wound on ribbed moulded bakelite forms, permitting the use of .00035 mf. variable tuning condensers with the increased efficiency gained through the better inductance-to-capacity ratio.

The intermediate frequency transformers and filter are tuned and matched, the filter being provided with a fixed condenser of exactly the correct value shunted across the primary winding. The potentiometer which controls the grid bias voltage on the two radio frequency amplifier tubes affords a selectivity control capable of narrowing the frequency band amplified until only the lowest notes can get through. Of course, such selectivity is too extreme, the potentiometer is set for a good operating position.

Another feature is the fact that no grid condenser is used on the detector tube, but the grid is maintained at negative potential by the use of a C battery. Both the first and second detector tubes (tubes 1 and 5) have a B battery potential of 45 volts on their plates and a grid potential of 4½ volts C battery. This gives highly efficient detection. The oscillator tube (No. 2) has 45-volt plate potential and no C battery, while the two audio amplifier tubes operate with 90 volts plate potential and 4½-volt C battery on the grids. This matter of proper grid biasing for efficient tube operation is something which has sadly been long neglected.

For loop operation the antenna coupler is removed and the loop connected to the socket terminals 3, 5 and 6. Regeneration in the first detector tube is controlled by means of a midget variable condenser (C3). This first tube may be made non-regenerative by a simple change in connections. The lead from Post 2 of the oscillator coupler is changed to run to Post 6 on the antenna coil socket instead of to Nos. 4 and 5. This makes the antenna tuning considerably broader and serves to make uni-control possible, if desired, by coupling the two tuning condensers C1 and C2 together mechanically.

WHAT THE RADIO CONFERENCE DID

(Continued from Page 80)

warned to strictly observe silent hours.

Specific legislation from Congress demanded.

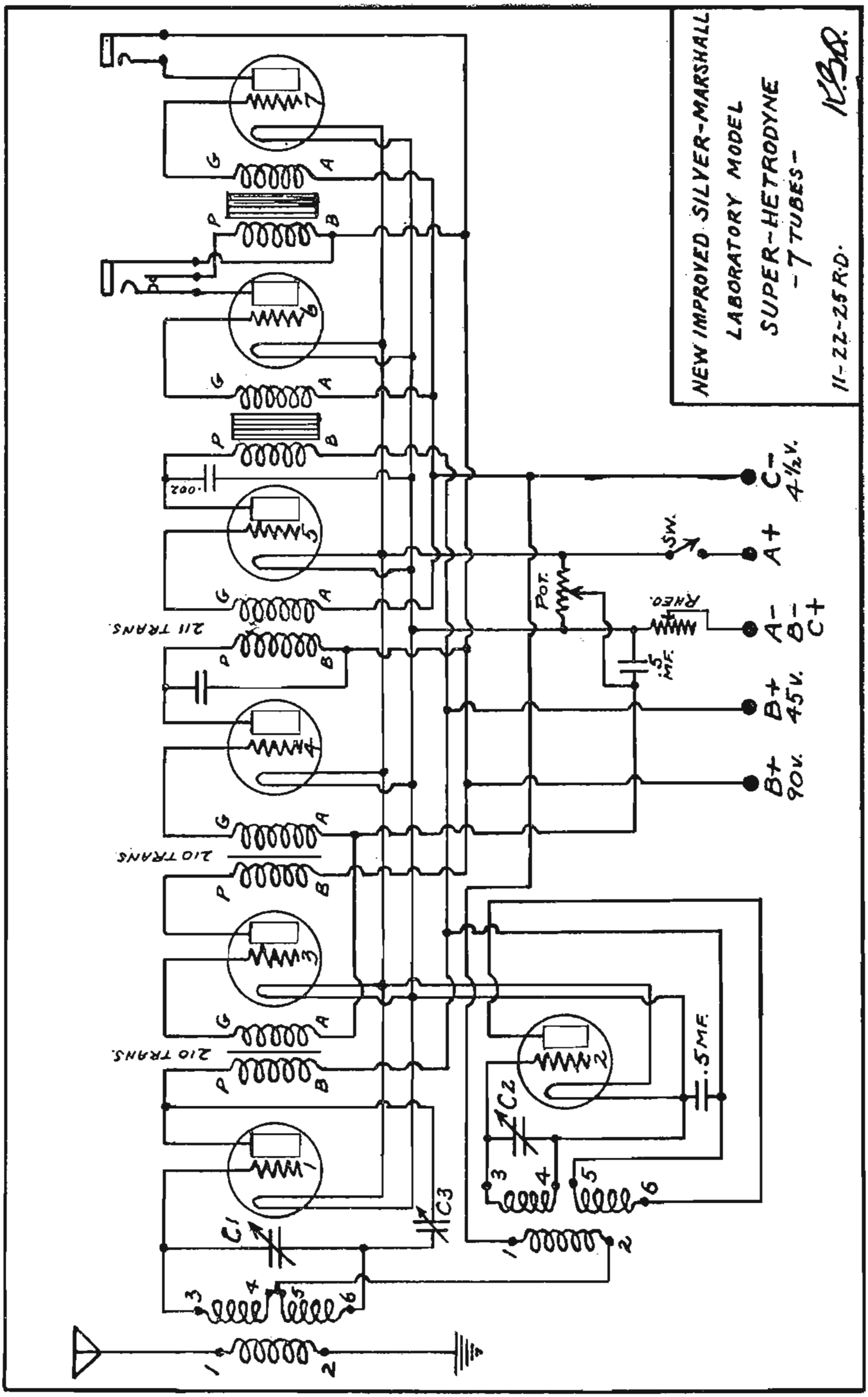
Appeals from the radio decisions of the Secretary of Commerce to be provided for.

No arbitrary power to be vested in Secretary Hoover.

A special radio bill embodying all recommendations to be presented to Congress at its next session. While no attempt to draw up a radio bill was made, a number of salient features were outlined and will be presented to Congress through Chairman White of the House radio subcommittee. These recommendations covered licensing of stations, opposed a monopoly in radio communication, and suggested an appeal over the Secretary of Commerce decisions.

Throughout the whole conference the keynote was "service to the radio public." The manufacture and sale of radiating or regenerative receivers was opposed by the conference, it being pointed out that although control of some types of oscillating receivers were possible and that education was needed, the committee on interference was anxious at some early date to prevent the further manufacture and use of this type of listening device.

While opposing this drastic action, Powell Crosley, of Crosley Company, suggested that there were three types of receivers which might cause such interference, he was willing to let the resolution stand. Arc apparatus, it was held might be further improved and the use of high-power only when necessary was advocated.


NEW IMPROVED SILVER-MARSHALL
LABORATORY MODEL
SUPER-HETRODYNE
- 7 TUBES -
11-22-25 R.D.
K.B.B.
C- 4½ V.
A+
SW.
A- B- C+
B+ 45 V.
B+ 90 V.
POT.
RHEO.
.5 MF.
.002
211 TRANS.
210 TRANS.
210 TRANS.
C1
C2
C3
G
A
P
B

McLaughlin Single Control Super

By K. G. ORMISTON

An eight-tube super-heterodyne operated with a single dial, with all the simplicity of tuning of a simple crystal set, has been designed by McLaughlin and is illustrated in schematic diagram on the opposite page.

The single-control feature is accomplished by so designing the loop and the oscillator coil L2 so that the inductance valves are equal. The tuning condensers C1 and C2 are of the S.L.F. type (McLaughlin specifies Precise Syncrodenser) and are mechanically connected in tandem. A midget condenser C3 is in shunt with C2, provided for the purpose of correcting any slight difference which unavoidably may exist in the inductance valves. When once adjusted it is left alone.

One rheostat controls the filament current for all eight tubes, and a voltmeter indicates the voltage across the common filament circuit. A milli-ampere meter connected in the negative B battery lead indicates the total plate current; amplifier of 3 stages is controlled by a grid-biasing potentiometer. The audio stages are biased by C battery.

The four intermediate transformers are mounted in one case, being carefully matched and completely shielded. This unit is known as the Precise Multiformer. A filtoformer in the oscillator plate circuit consists of a 200 M.H. choke and a .006 M.F. condenser.

Radio frequency by-pass fixed condensers shunt the potentiometer, the B battery to the 45-volt tap, and the primary of the first audio frequency transformer. The primary of the first radio frequency transformer is shunted with a fixed condenser, thereby tuning it to a definite frequency, the one to be amplified. This condenser is of .00025 mf. capacity.

All-Wave Receiver

By K. G. ORMISTON

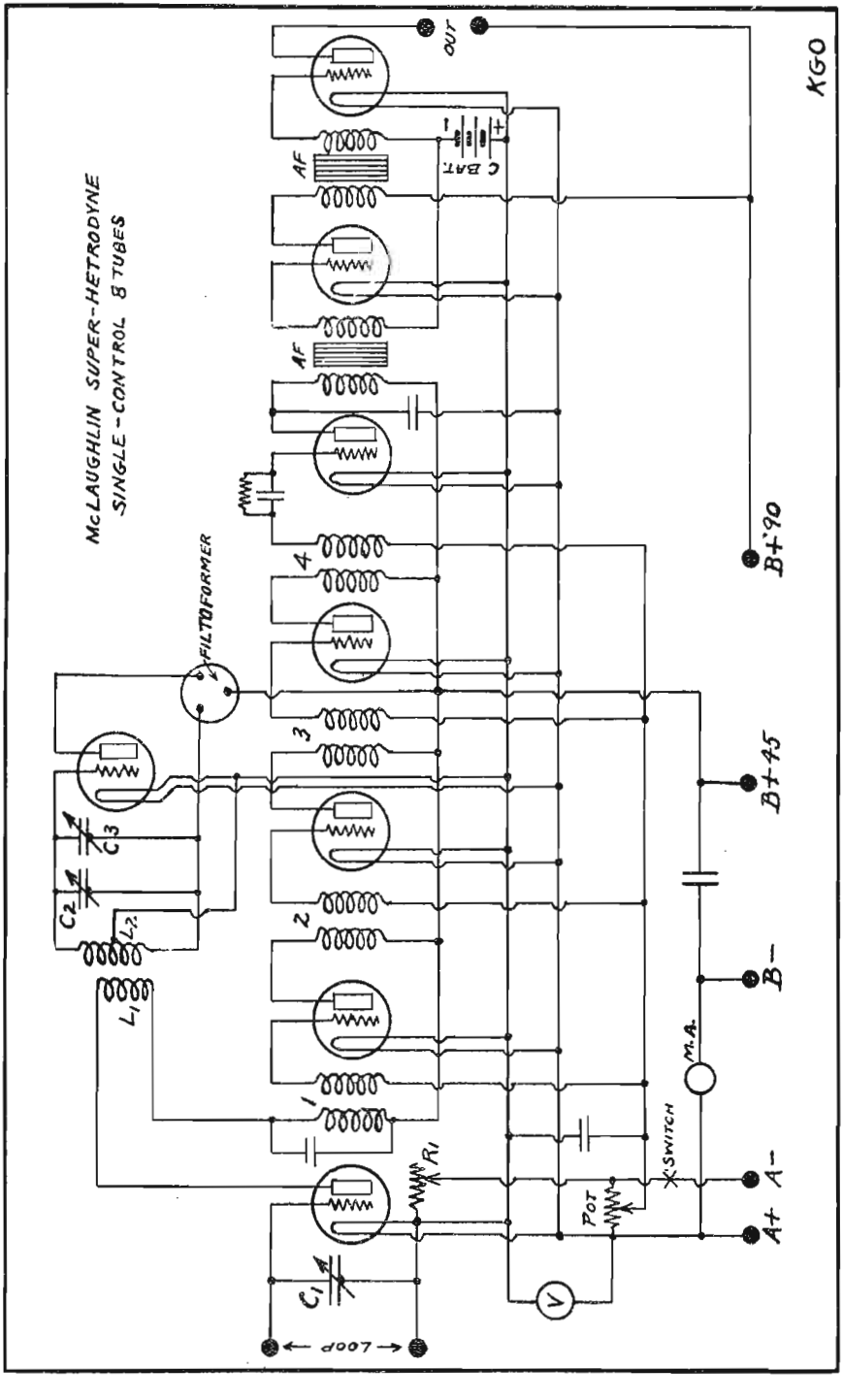
The broadcast wave band is assuming such proportions that a run to the plug-in coil arrangement seems to be a not-far-distant possibility. The range of wave-lengths which can be efficiently covered by a single coil in shunt with a variable condenser for the operation of a vacuum tube, is not as great as the band now occupied and the still broader band contemplated. With plug-in coils of various sizes, however, any wave-length may be efficiently reached. It is not necessary, of course, to use that particular type of coil known as "honeycomb," but any type of coil fitted with the standard plug. Low-loss coils may even be built up by the fan himself and attached to the plugs.

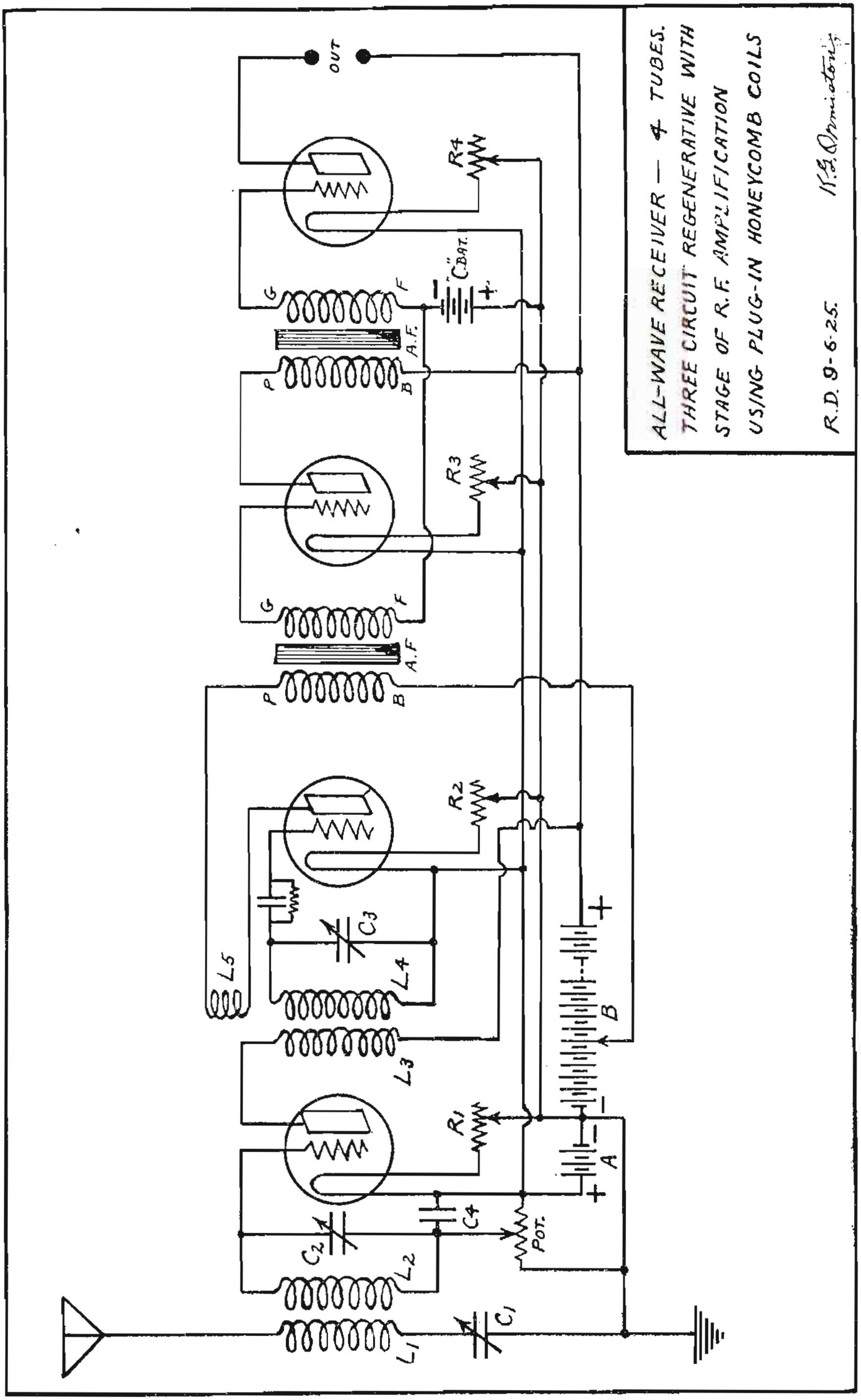
The antenna inductance L1, and R. F. amplifier grid inductance L2, the R. F. tube plate inductance L3, the detector grid inductance L4 and the tickler coil L5, are five honeycomb or other type of plug-in coils. The last named three are inserted in a standard three-coil mounting, with adjustable coupling. For the broadcast band the set of coils best suited are as follows: L1-35 turns, L2-50 turns, L3-35 turns, L4-50 turns, and L5-75 turns. Other combinations will permit reception of the very short or higher wave-lengths as desired.

The tuning condensers C2 and C3 are of .0005 microfarad capacity, while the antenna tuning condenser C1 is of .001 mfd. capacity. Self-oscillation of the R. F. amplifier tube is controlled by the potentiometer which regulates the grid biasing voltage. The audio amplifier is equipped with C battery. Although not necessary, each tube is shown with individual rheostat. C4 is a radio frequency by-pass condenser, fixed, of .006 mfd. capacity. If necessary, to assist regeneration in the detector, the primary winding of the first audio frequency transformer may be shunted by a fixed condenser of .001 mfd.

This is a receiver which for efficiency, selectivity, distance, volume and adaptability to every requirement will be found to be highly satisfactory.

(For Circuit see Page 88)

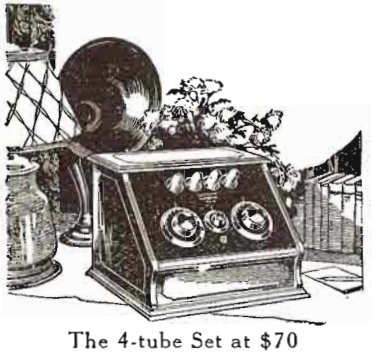

McLAUGHLIN SUPER-HETRODYNE
SINGLE-CONTROL 8 TUBES
KGO
ANT
C BAT.
AF
AF
FILTRFORMER
B+90
B+45
B-
A-
A+
M.A.
SWITCH
POT
R1
C1
C2
C3
L1
L2
LOOP
1
2
3
4
V


ALL-WAVE RECEIVER — 4 TUBES.
THREE CIRCUIT REGENERATIVE WITH
STAGE OF R.F. AMPLIFICATION
USING PLUG-IN HONEYCOMB COILS
R.D. 9-6-25.
OUT
R4
R3
R2
R1
"C" BAT.
G
F
P
B
A.F.
L1
L2
L3
L4
L5
C1
C2
C3
C4
POT.
A
B

FAR AND NEAR — EQUALLY CLEAR

GILFILLAN RADIO

A Los Angeles Product of National Reputation!



The 4-tube Set at $70

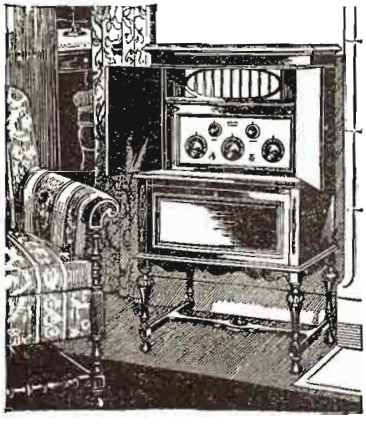
Tone Perfection
Sharper Tuning
Unfailing Service
Beauty

—✦—

Ask the Gilfillan Dealer for a demonstration

Every test proves it's superiority

—✦—



The beautiful Console

The 5-tube Set at $110

GILFILLAN BROS. INC.

1815 W. 16th St., LOS ANGELES, CAL.

F4

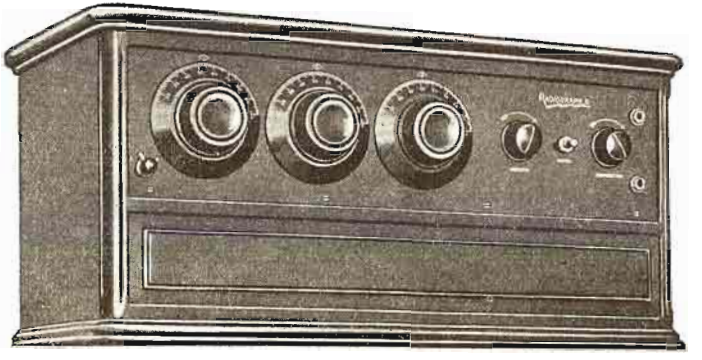
KANSAS CITY — THE SUPERFINE — NEUTRODYNE — IN NEUTRODYNE — NEW YORK CITY

RADIOGRAPH II

"WIZARD OF THE AIR"

TRADE MARK REG. U.S. PAT. OFF.

BRINGS in everything both far and near with tone quality and loud speaker volume.



The Radiograph II sells on outstanding performance made possible by new mechanical features. This plus its beautiful appearance in solid Mahogany Cabinet.

Distance and Tone Quality Your Desire. Satisfy Your Desire With a Radiograph.

Ask for AIREX

The Airex is constructed on a principle that ABSOLUTELY eliminates chatter and gives a new standard of quality in TONE reproduction and volume.

The secret of beautiful tone lies in this loud speaker. You must hear it to be convinced.

The characteristic "AIREX TONE" is clear and mellow.

The Finest Speaker for Volume and Tone. Quality. Ask Your Dealer to Prove It.

Arrange With Your Dealer for a Demonstration of Both Radiograph II and Airex Speaker

Southern California Authorized Dealers

ARLINGTON, CAL.
Symons Hardware Co.

BISHOP, CAL.
Inyo Music Co.

BRAWLEY, CAL.
West Electric Co.

BREA, CAL.
P. F. Bennett
107 S. Pomona St.

CHULA VISTA, CAL.
Inskeep & Proctor

CORONA, CAL.
H. H. Hart

BEVERLY HILLS, CAL.
Pacific Radio Co.
210 Beverly Drive

CULVER CITY, CAL.
Culver City Radio & Elect.
6716 W. Washington St.

DOWNEY, CAL.
Darnell Electric Co.

FILLMORE, CAL.
Williams Music Shop

FULLERTON, CAL.
Central Garage
(R. G. Adams)

HOLLYWOOD, CAL.
McCaulley & Johnston
5461 Hollywood Blvd.

LA JOLLA, CAL.
C. H. Messner
7923 Girard Ave.

PASADENA, CAL.
The Model Grocery
250 E. Colorado St.

POMONA, CAL.
Ressler Music Co.
365 West 2nd St.

SAN DIEGO, CAL.
Radio Equipment Sales
Fourth and B Sts.

United Radio Electric
2807 University Ave.

SANTA MONICA, CAL.
La Monica Radio
7th and Montana St.

SHERMAN, CAL.
Franco Electric Co.
798 Hilldale Ave.

SANTA BARBARA, CAL.
Lamb Auto Electric Co.
1200 Anacapa St.

TAFT, CAL.
Electric Const. Co.

UPLAND, CAL.
Colburn Electric Shop

VENICE, CAL.
Peters Radio Co.
40 Ave. 17

VENTURA, CAL.
A. B. WHITE
415 California St.

RADIO TOURS OF NORTH AMERICA

A popular evening pastime of Radio Fans of Ventura, Fillmore, Corona, San Diego and many other Southern California cities:
One evening's Radio Tour of North America by Mr. and Mrs. Roy Wallace, 218 Ann St., Ventura, California. They started with a wonderful program from KDKA Pittsburgh, then turned to WOC Davenport, Ia., then over to WLS Chicago, then out of the United States to CYD Mexico City, and back to WTAM Cleveland, then over to WHO DesMoines, and back to three concerts in Chicago, WEBH and WLIB and KYW, then over to WSAI Cincinnati, then down to WSB Atlanta and over to WOAI San Antonio and finally back home to our favorite, Uncle John KHJ. The Radio used on this tour was Radiograph II.

Some Remarkable Performances by Owners of Radiograph II:

MRS. W. F. BAKER
315 Crimea St., Ventura, Calif.
55 stations logged in 3 weeks

MRS. O. W. LOTTON
2008 Santa Ynez St., Ventura, Calif.
74 stations logged in 6 weeks

MRS. J. L. ROAK
Pacific Ave., Ventura, Calif.
53 stations logged in one month

ROY WALLACE
218 Ann St., Ventura, Calif.
66 stations logged in 3 weeks

MRS. H. HART
514 West 11th St., Corona, Calif.
42 stations logged in 2 months

Copies of any of the logs listed here will be furnished on request.

3 o'clock afternoon concerts from WOC, Davenport, Ia., is not unusual in Ventura, Calif.

FORTY AUTHORIZE DEALERS IN SO. CALIF.

LOS ANGELES, CAL.

Brode Electric Co.,
116 E. 3rd St.

N. E. Brown,
6805 S. Western Ave.

Guy H. Dennis,
1249 S. Alvarado St.
2514 W. Jefferson St.

Hayden's Electric Service
1177 W. Jefferson St.
506 W. Jefferson St.

Otis Hill,
1650 E. Nadeau St.

Holland Electric Shop,
5715 Pasadena St.

R. W. Lewis & Son
2640 Dayton Ave.

Pico Heights RadioParlor
3812 W. Pico St.

Radio Nook,
1704 N. Vermont Ave.

Super Radio Shop,
2507 West Slauson Ave.

Union Radio Co.
2509 W. Pico St.

West Coast Furniture Co.,
1407 W. Washington St.

Exclusive Dealer, Windsor and Wilshire District—Radio Reception Studio, 5203 Beverly Blvd.—Phone HOllywood 7559

California Distributor

310 East Twelfth St.
LOS ANGELES
Phone WEstmore 3178

ROY·B·JONES

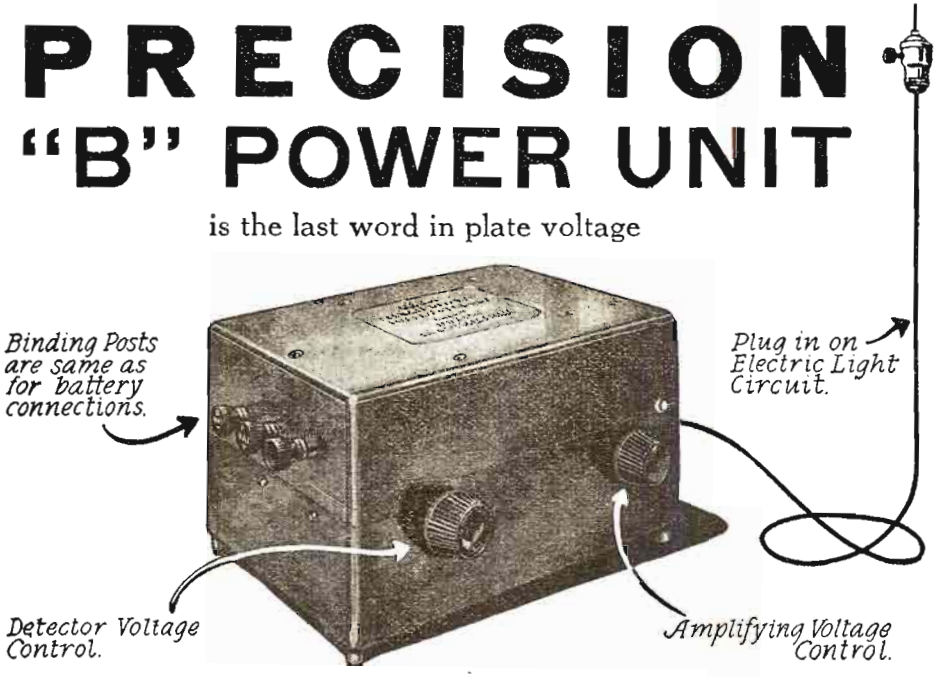
640 Natoma St.
SAN FRANCISCO
Phone Market 1458

OPERATE YOUR RADIO FROM ELECTRIC LIGHT CIRCUIT

WITH

PRECISION "B" POWER UNIT

is the last word in plate voltage



NO MORE "B" BATTERIES

$28.50 Complete

Also "A" POWER UNIT Only $25.00

Operating Six 199 or 299 Tubes

Combination of A and B Power unit makes ideal arrangement for any small tube set, very successfully and economically.

Precision "A" Battery Charger

Automatically cut down charging rate as battery comes up. Requires no attention when once connected.

Price $11.00

Factory Representative

F. L. TOMLINSON CO., 443 S. San Pedro St., Los Angeles

Jobbers

LOS ANGELES
Cook-Nichols
Myers Electric Co.
Radio Supply Co.
Pcaific Motor Supply Co.
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Standard Motor Parts Co.
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Radio Supply Company

PRECISION ELECTRIC MANUFACTURING CORPORATION

717 Eeast 9th St.—TUcker 9803 LOS ANGELES, CAL.

PITTS' UNDERGROUND ANTENNA

STATIC ELIMINATED

with

Radio's New Development — Results Guaranteed

Pitts' Underground Antenna offers to the public the first efficient method of underground reception that is practical for general use. Underground radio broadcast transmission is a proven fact and not an experiment, but heretofore the old directional underground antennas required too much area for their installation. Pitts' Underground Antenna is not directional —all stations, regardless of their direction, are received with equal efficiency.

No Static

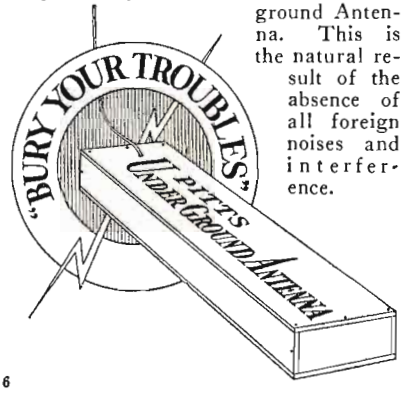
The elimination of static through the use of Pitts' Underground Antenna is only natural. Static is in the method of reception. Static is in the air, so by receiving your radio through the ground you absolutely avoid it.

No Other Interference

Power lines, generators, leaky transformers and all other electrical interferences are eliminated by Pitts' Underground Antenna.

Improves Tone Quality

The tone of your receiver is greatly improved by the use of a Pitts' Underground Antenna. This is the natural result of the absence of all foreign noises and interference.



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Selectivity—distance

The selectivity of your set is greatly increased by a Pitts' Underground Antenna, enabling you to cut out powerful local stations that interfere with distance.

Volume

The construction of Pitts' Underground Antenna is such that its contact with the damp earth generates electricity. It is this electricity that controls your volume.

Pitts' Underground Antenna is designed to last from two to five years under ordinary continuous service.

Works On All Circuits

Pitts' Underground Antenna works on all circuits with equal efficiency. Static being picked up by the loop of loop-operated sets will not, of course, be eliminated unless loop is removed.

Easy to Install

Pitts' Underground Antenna is contained in a compact redwood box 6 in. x 4 in. x 24 in. To install, the lid is removed and the box buried in a hole 18 in. deep; it is covered over and soaked well with water. The unsightly outside aerial is gone—it is much quicker and easier to install a Pitts' Cnderground Antenna than the most simple outside aerial.

Guarantee

Pitts' Underground Antenna is sold with a written guarantee. If it does not do all that we claim for it, your money will be cheerfully refunded.

If your dealer can't supply you, send money order or check direct to us and Pitts' Underground Antenna will be sent to you, express prepaid, with full instructions and written Guarantee.

The Price **$10** *Results Guaranteed*

Osborne-Kelsey Co.

Los Angeles San Francisco

1915 Santa Fe Avenue

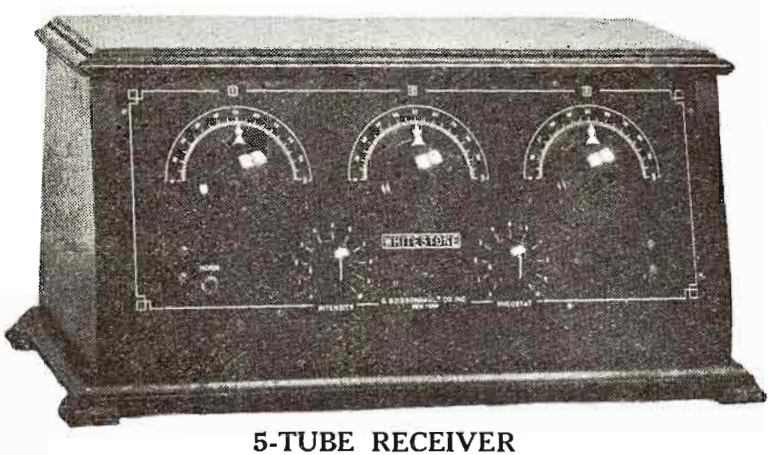
TUcker 7097 LOS ANGELES

Ernest Walker Sawyer

Factory Representative

ONLY $37.50

The ....New Whitestone



5-TUBE RECEIVER

SONSOLE MODEL (with built-in Speaker and Unit) . . $70.00

Specifications of the

Whitestone

1—Genuine Bakelite Panel using latest process of panel engraving.
2—Genuine Bakelite Sub-Panel; all wiring concealed below.
3—Latest design Rheostats using Bakelite base and knob.
4—Genuine Bakelite Knobs and Pointers made for us by Kurz-Kasch.
5—Newest straight line condensers; frame cast in one piece assuring permanent contacts.
6—Genuine Bakelite sockets adaptable to new UX tubes and all other standard R. C. A. and Cunningham tubes.
7—Coils—low loss—sewed and impregnated, guaranteed permanent inductive value, wave length from 180 to 600 meters.
8—Specially matched transformers made to our own specifications, assuring quality reproduction.
9—Wiring—latest method of wiring using only 11 soldered connections.
10—Brackets—Special die cast brackets holding sub panel and panel, assuring rigidity.
11—Filament Control Jack for loud speaker connection, eliminating switch.
12—Battery leads instead of Binding Posts, assuring positive contacts.
13—Piano finished cabinet with sloping front making the Whitestone a thing of beauty and ideal piece of furniture.

Ask Your Dealer for a Demonstration

Exclusive Wholesale Distributor

Globe Accessories Corporation

309 W. Jefferson Phone HUmbolt 8505 Los Angeles

For EVERY Radio Set

A stunning piece of furniture that restores order in the room where you have your Radio! No more cluttered table-tops, nor litter of equipment under-foot.

No unsightly horn in evidence, either! This console has its own loudspeaker, in-built. It's out of sight, but with very apparent tonal superiorities. For it has the highest-developed type of unit. With horn built of special non-vibrating, extra-hard, ceramic material. Produces clear non-vibrant tone. There's ample room for everything; space for *largest* A and B wet batteries — or battery eliminator — required for any home set; and for a big charging outfit, too.

Non-Vibrant Ceramic Horn
The clearest tone producer on the market. Made of special composition which defeats vibration.

Rear View—Set Hooked Up

Price $42.50

Finished in mahogany, or walnut color. Dainty design of parqueterie on two front panels. Top, 38 in. x 18 in. Substantially built; the product of a 40-year-old furniture maker.

The price, $42.50, is for the *complete* console, and includes the loudspeaker horn and unit. Thousands of dealers are showing this artistic addition to home radio equipment.

Write, phone or come in for a demonstration. Phone VAndike 4755.

THE WINDSOR FURNITURE COMPANY

Inc., Chicago, 1885

917 Maple Avenue
LOS ANGELES - - - CALIF.

70 (R.D.)

Good Batteries

Make a Good Set Better . . .

The Master Ray-O-Vac
No. 9303
Extra capacity, vertical
type—45V.

Vertical type—
22½V.

Keep an eye on your batteries —they're the power plant that makes the whole thing go. When static crashes and the air is full of things you do not want to hear, equip your receiver with new RAY-O-VACS, fresh and full powered.

Ray-O-Vacs put your set at its best, and keep it at its best. There is a size and type built to give full service on every type of radio set.

Equip with Ray-O-Vacs at your local dealer's and note the difference. Standard prices—Standard sizes.

RAY-O-VAC *Radio's Best Batteries . .*

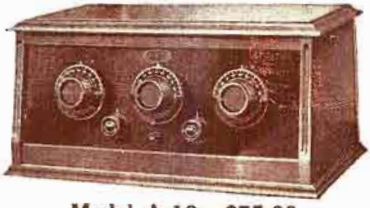
Mfgd. by FRENCH BATTERY COMPANY, Madison, Wis.

Also makers of Ray-O-Lite Flashlights and Batteries

FEDERAL
ORTHO-SONIC
RADIO

"Rivalled Only by Reality"

In point of Selectivity, Volume, Range and Appearance, the new Federal Ortho-Sonic Receivers are supreme.



Model A-10—$75.00

Tone quality so realistic that it actually rivals the instrument being played, the artists performing for you, the throbbing notes of a great organ; in short, the nearest approach to perfect reproduction.

Model B-30—$130.00

Nine beautiful models to select from. Priced from $75.00 to $350.00.

Model B-20—$100.00

ASK A FEDERAL DEALER TO DEMONSTRATE

Exclusive Distributor

YALE RADIO ELECTRIC CO.

1111 Wall St. Los Angeles, Calif.

Write for Literature