

WHITE'S
Mileage and Radio
Call Book

1924



CONTENTS

**Mileage (air line) Boston to Principal Broad-
casting Stations.**

**1924 List of U. S. Broadcasting Stations, giving
wave length, frequency in kilocycles and
watt power of station.**

**Program Schedules (evening hours—silent nights)
of stations commonly heard by Massachu-
setts Radio Fans.**

Insurance Regulations for Receiving Sets.

PRICE 15 CENTS

WHITE'S Mileage and Radio Call Book



CONTENTS

Mileage (air line) Boston to Principal Broadcasting Stations.

1924 List of U. S. Broadcasting Stations, giving wave length, frequency in kilocycles and watt power of station.

Program Schedules (evening hours—silent nights) of stations commonly heard by Massachusetts Radio Fans.

Insurance Regulations for Receiving Sets.

PRICE 15 CENTS

C. DeWITT WHITE CO., *Publishers*

1311 Smith Street,

Providence, R. I.

Copyright 1924, by C. DeWitt White Co.

**1924 LIST OF
UNITED STATES BROADCASTING STATIONS
ARRANGED ALPHABETICALLY
BY CALL LETTERS**

Abbreviations: W.L., wave length in metres; K.C., frequencies in kilocycles; W.P., watt power of station.

		W.L.	K.C.	W.P.
KDKA	Westinghouse Electric & Mfg. Co., East Pittsburgh.....	326-	920-	1000
KDPM	Westinghouse Electric & Mfg. Co., Cleveland, O.....	270-	1110-	250
KDPT	Southern Electrical Co., San Diego, Calif.....	244-	1230-	50
KDYL	Telegram Publishing Co., Salt Lake City, Utah.....	360-	833-	50
KDYM	Savoy Theatre, San Diego, Calif.....	280-	1070-	100
KDYQ	Oregon Institute of Technology, Portland, Ore.....	360-	833-	100
KDYW	Smith, Hughes & Co., Phoenix, Ariz.....	360-	833-	20
KDYX	Star Bulletin, Honolulu, Hawaii.....	360-	833-	100
KDZB	Frank E. Siefert, Bakersfield, Calif.....	240-	1250-	100
KDZE	The Rhodes Co., Seattle, Wash.....	455-	660-	500
KDZF	Automobile Club of Southern California, Los Angeles, Calif.....	278-	1080-	500
KDZI	Electric Supply Co., Wenatchee, Wash.....	360-	833-	50
KDZQ	Nichols Academy of Music, Denver, Colo.....	360-	833-	10
KDZR	Bellingham Publishing Co., Bellingham, Wash.....	261-	1150-	50
KFAD	McArthur Bros. Mercantile Co., Phoenix, Ariz.....	360-	833-	100
KFAE	State College of Washington, Pullman, Wash.....	360-	833-	500
KFAF	Western Radio Corporation, Denver, Colo.....	360-	833-	50
KFAJ	University of Colorado, Boulder, Colo.....	360-	833-	100
KFAN	The Electric Shop, Moscow, Idaho.....	360-	833-	50
KFAQ	City of San Jose, San Jose, Calif.....	360-	833-	250
KFAR	Studio Lighting Service Co., Hollywood, Calif.....	280-	1070-	200
KFAU	In. School Dist. of Boise City, Boise H. School, Boise, Idaho....	360-	833-	150
KFAV	Kinney Co., Venice, Calif.....	224-	1340-	5
KFAW	The Radio Den, Santa Ana, Calif.....	280-	1070-	10
KFAY	Virgin's Radio Service, Medford, Ore.....	283-	1060-	50
KFBB	Havra, Buttrey & Co., Havre, Mont.....	360-	833-	50
KFBC	W. K. Azbill, San Diego, Calif.....	278-	1080-	10
KFBE	Reuben H. Horn, San Luis Obispo, Calif.....	360-	833-	10
KFBG	First Presbyterian Church, Tacoma, Wash.....	360-	833-	50
KFBK	Kimball-Upson Co., Sacramento, Calif.....	283-	1060-	100
KFBL	Lucas Bros., Everett, Wash.....	224-	1340-	10
KFBS	Trinidad G. & E. Sup. Co. & Chronicle News, Trinidad, Colo....	360-	833-	10
KFBU	The Cathedral, Laramie, Wyo.....	283-	1060-	50
KFCB	Neilson Radio Supply Co., Phoenix, Ariz.....	278-	1080-	10

		W.L.	K.C.	W.P.
KFCD	Salem Electric Co., Salem, Ore	360-	833-	20
KFCF	Frank A. Moore, Walla Walla, Wash	360-	833-	50
KFCH	Electric Service Station, Inc., Billings, Mont	360-	833-	10
KFCK	Colorado Springs Radio Co., Colorado Springs, Colo	258-	1160-	10
KFCM	Richmond Radio Shop, Richmond, Calif	360-	833-	100
KFCP	Ralph W. Flygare, Ogden, Utah	360-	833-	25
KFCV	Fred Mahaffey, Jr., Houston, Tex	360-	833-	10
KFCY	Western Union College, Le Mars, Iowa	252-	1190-	50
KFCZ	Omaha Central High School, Omaha, Neb	258-	1160-	100
KFDA	Adler's Music Store, Baker, Ore	360-	833-	5
KFDD	St. Michael's Cathedral, Boise, Idaho	252-	1190-	10
KFDH	University of Arizona, Tucson, Ariz	360-	833-	150
KFDJ	Oregon Agricultural College, Corvallis, Ore	360-	833-	50
KFDL	Knight-Campbell Music Co., Denver, Colo	360-	833-	5
KFDO	H. Everett Cutting, Bozeman, Mont	248-	1210-	50
KFDR	Bullock's Hardware & Sporting Goods, York, Nebr	360-	833-	10
KFDU	Nebraska Radio Electric Co., Lincoln, Neb	240-	1250-	20
KFDV	Gilbreth & Stinson, Fayetteville, Ark	360-	833-	200
KFDX	First Baptist Church, Shreveport, La	360-	833-	100
KFDY	So. Dakota State College, Brookings, So. Dakota	360-	833-	100
KFDZ	Harry O. Iverson, Minneapolis, Minn	231-	1300-	5
KFEC	Meier & Frank Co., Portland, Ore	360-	833-	50
KFEJ	Guy Greason, Tacoma, Wash	360-	833-	10
KFEL	Winner Radio Corp., Denver, Col	360-	833-	50
KFEQ	J. L. Scroggin, Oak, Neb	360-	833-	150
KFER	Auto Electric Service Co., Fort Dodge, Ia	231-	1300-	20
KFEV	Felix Thompson Radio Shop, Casper, Wyo	263-	1140-	250
KFEX	Augsburg Seminary, Minneapolis, Minn	261-	1150-	100
KFEY	Bunker Hill & Sullivan Mining & Concen. Co., Kellogg, Idaho	360-	833-	10
KFEZ	American Society of Mechanical Engineers, St. Louis, Mo	360-	833-	100
KFFB	Jenkins Furniture Co., Boise, Idaho	240-	1250-	10
KFFE	Eastern Oregon Radio Co., Pendleton, Ore	360-	833-	10
KFFO	Dr. E. H. Smith, Hillsboro, Ore	229-	1310-	5
KFFQ	Markehoffel Motor Co., Colorado Springs, Col	360-	833-	100
KFFR	Nevada State Journal, Sparks, Nev	360-	833-	10
KFFV	Graceland College, Lamoni, Iowa	360-	833-	10
KFFX	McCray Co., Omaha, Neb	278-	1080-	100
KFFY	Pinous & Murphey, Alexandria, La	275-	1090-	100
KFFZ	Al. G. Barnes Amusement Co., Dallas, Tex	226-	1330-	20
KFGC	Louisiana State University, Baton Rouge, La	254-	1180-	100
KFGD	Chickasha Radio & Electric Co., Chickasha, Okla	248-	1210-	20
KFGH	Leland Stanford University, Stanford Univ., Calif	360-	833-	500

		W.L. K.C. W.P.
KFGJ	Missouri National Guard, 138th Infantry, St. Louis, Mo	266-1130- 250
KFGL	Arlington Garage, Arlington, Ore	234-1280- 5
KFGQ	Crary Hardware Co., Boone, Io	226-1330- 10
KFGV	Heidbreder Radio Supply Co., Utica, Neb	224-1340- 10
KFGX	First Presbyterian Church, Orange, Tex	250-1200- 500
KFGZ	Emmanuel Missionary College, Berrien Springs, Mich	268-1120- 10
KFHA	Western State College, Gunnison, Col	252-1190- 50
KFHB	Rialto Theatre, Hood River, Ore	280-1070- 5
KFHD	Utz Electric Shop Co., St. Joseph, Mo	226-1330- 100
KFHF	Central Christian Church, Shreveport, La	266-1130- 150
KFHH	Ambrose A. McCue, Neah Bay, Wash	261-1150- 50
KFHI	Fallon & Co., Santa Barbara, Calif	360- 833- 100
KFHL	Penn College, Oskaloosa, Iowa	227-1320- 10
KFHP	Radio Bug Products Co., Kearney, Nebraska	246-1220- 10
KFHR	Star Electric & Radio Co., Seattle, Wash	283-1060- 50
KFHS	Clifford J. Dow, Lihue, Hawaii	275-1090- 30
KFHX	Robert W. Nelson, Hutchinson, Ks	229-1310- 150
KFI	Earle C. Anthony, Inc., Los Angeles, Calif	469- 640- 500
KFIB	Franklin W. Jenkins, St. Louis, Mo	244-1230- 10
KFID	Ross Arbuckle's Garage, Iola, Ks	246-1220- 20
KFIF	Benson Polytechnic Institute, Portland, Ore	360- 833- 100
KFIK	Gladbrook Electrical Co., Gladbrook, Io	234-1280- 20
KFIL	Windisch Electric Farm Equipment Co., Louisburg, Ks	234-1280- 30
KFIO	North Central High School, Spokane, Wash	252-1190- 50
KFIQ	Yakima Valley Radio Broadcasting Association, Yakima, Wash	242-1240- 50
KFIU	Alaska Electric Light & Power Co., Juneau, Alaska	226-1330- 10
KFIX	Reor. Ch. of Jesus Christ of L. D. Sts., Independence, Mo	240-1250- 250
KFIY	Brott Laboratories, Seattle, Wash	231-1300- 15
KFIZ	Daily Commonwealth and Oscar A. Heulsman, Fond du Lac, Wis	273-1100- 100
KFJB	Marshall Electrical Co., Marshalltown, Iowa	248-1210- 10
KFJC	Seattle Post Intelligencer, Seattle, Wash	233-1290- 100
KFJD	Weld County Printing and Publishing Co., Greeley, Col	236-1270- 50
KFJF	National Radio Manufacturing Co., Oklahoma City, Okla	252-1190- 20
KFJI	Liberty Theatre, Astoria, Ore	252-1190- 10
KFJK	Delano Radio and Electric Co., Bristow, Okla	233-1290- 100
KFJL	Hardsag Manufacturing Co., Ottumwa, Iowa	242-1240- 10
KFJM	University of North Dakota, Grand Forks, N. Dak	280-1070- 100
KFJR	Ashley C. Dixon & Son, Stevensville, Mont	258-1160- 5
KFJV	Thomas H. Warren, Dexter, Iowa	224-1340- 10
KFJW	Le Grand Radio Co., Towanda, Ks	226-1330- 10
KFJX	Iowa State Teachers' College, Cedar Falls, Iowa	229-1310- 50
KFJY	Tunwall Radio Co., Fort Dodge, Iowa	246-1220- 50

W.L. K.C. W.P.

KFJZ	Texas National Guard, 112th Cavalry, Fort Worth, Tex.....	254-1180-	20
KFKA	Colorado State Teachers College, Greeley, Col.....	248-1210-	50
KFKB	Brinkley-Jones Hospital Association, Milford, Ks.....	286-1050-	500
KFKH	Denver Park & Amusement Co., Lakeside, Col.....	226-1330-	10
KFKQ	Conway Radio Laboratories, Conway, Ark.....	224-1340-	150
KFKV	F. P. Gray, Butte, Mont.....	283-1060-	50
KFKX	Westinghouse Electric & Manufacturing Co., Hastings, Neb.....	286-1050-	500
KFKZ	Nassour Bros. Radio Co., Colorado Springs, Colo.....	234-1280-	10
KFLA	Abner R. Wilson, Butte, Mont.....	283-1060-	5
KFLB	Signal Electric Manufacturing Co., Menominee, Mich.....	248-1210-	20
KFLD	Paul E. Greenlaw, Franklinton, La.....	234-1280-	20
KFLE	National Educational Service, Denver, Col.....	268-1120-	25
KFLH	Erickson Radio Co., Inc., Salt Lake City, Utah.....	261-1150-	50
KFLP	Everette M. Foster, Cedar Rapids, Io.....	240-1250-	20
KFLQ	Bizzell Radio Shop, Little Rock, Ark.....	261-1150-	20
KFLR	University of New Mexico, Albuquerque, N. M.....	254-1180-	100
KFLU	Rio Grande Radio Supply House, San Benito, Texas.....	236-1270-	20
KFLV	A. T. Frykman, Rockford, Ill.....	229-1310-	10
KFLW	Missoula Electric Supply Co., Missoula, Mont.....	234-1280-	10
KFLX	George R. Clough, Galveston, Tex.....	240-1250-	10
KFLY	Fargo Radio Supply Co., Fargo, N. Dak.....	231-1300-	20
KFLZ	Atlantic Automobile Co., Atlantic, Iowa.....	273-1100-	10
KFMB	Christian Churches of Little Rock, Little Rock, Ark.....	254-1180-	
KFMQ	University of Arkansas, Fayetteville, Ark.....	263-1140-	100
KFMR	Morningside College, Sioux City, Iowa.....	261-1150-	10
KFMS	Freimuth Dept. Store, Duluth, Minn.....	275-1090-	100
KFMT	George W. Young, Minneapolis, Minn.....	231-1300-	5
KFMU	Stevens Bros., San Marcos, Tex.....	240-1250-	20
KFMW	M. G. Sateren, Houghton, Mich.....	266-1130-	50
KFMX	Carleton College, Northfield, Minn.....	283-1060-	500
KGB	Tacoma Daily Ledger, Tacoma, Wash.....	252-1190-	50
KGG	Hallock & Watson Radio Service, Portland, Ore.....	360- 833-	50
KGN	Northwestern Radio Mfg. Co., Portland, Ore.....	360- 833-	100
KGU	Marion A. Mulreny, Honolulu, Hawaii.....	360- 833-	500
KGW	Portland Morning Oregonian, Portland, Ore.....	492- 610-	500
KGY	St. Martin's College, Lacey, Wash.....	258-1160-	5
KHJ	Times-Mirror Co., Los Angeles, Calif.....	395- 760-	500
KHQ	Louis Wasmer, Seattle, Wash.....	360- 833-	100
KJQ	C. O. Gould, Stockton, Calif.....	360- 833-	5
KJR	Northwest Radio Service Co., Seattle, Wash.....	270-1110-	100
KJS	Bible Institute of Los Angeles, Los Angeles, Calif.....	360- 833-	750
KLS	Warner Brothers, Oakland, Calif.....	360- 833-	250

W.L. K.C. W.P.

KLX	Tribune Publishing Co., Oakland, Calif.	360-	833-	250
KLZ	Reynolds Radio Co., Denver Colo.	360-	833-	500
KMJ	San Joaquin Light & Power Corp, Fresno, Calif.	273-	1100-	50
KMO	Love Electric Co., Tacoma, Wash.	360-	833-	10
KNT	Grays Harbor Radio Co., Aberdeen, Wash.	263-	1140-	250
KNV	Radio Supply Co., Los Angeles, Calif.	256-	1179-	100
KNX	Electric Lighting Supply Co., Los Angeles, Calif.	360-	833-	100
KOB	N. Mex. Col. of Agri. & Mechanic Arts, State College, N. Mex.	360-	833-	500
KOP	Detroit Police Dept., Detroit, Mich.	286-	1050-	500
KPO	Hale Bros., San Francisco, Calif.	423-	710-	500
KQP	Apple City Radio Club, Hood River, Oregon.	360-	833-	10
KQV	Doubleday-Hill Electric Co., Pittsburgh, Pa.	360-	833-	250
KQW	Charles D. Herrold, San Jose, Calif.	360-	833-	50
KRR	Berkeley Daily Gazette, Berkeley, Calif.	278-	1080-	50
KSD	Post Dispatch, St. Zouis, Mo.	546-	550-	500
KSS	Prest & Dean Radio Co. & Research Society, Long Beach, Calif.	360-	833-	20
KTW	First Presbyterian Church, Seattle, Wash.	360-	833-	750
KUO	Examiner Printing Co., San Francisco, Calif.	360-	833-	150
KUS	City Dye Works & Laundry Co., Los Angeles, Calif.	360-	833-	100
KUY	Coast Radio Co., El Monte, Calif.	256-	1170-	50
KWG	Portable Wireless Telephone Co., Stockton, Calif.	360-	833-	100
KWH	Los Angeles Examiner, Los Angeles, Calif.	360-	833-	500
KXD	Modesto Herald Publishing Co., Modesto, Calif.	252-	1190-	5
KYQ	Electric Shop, Honolulu, Hawaii.	360-	833-	20
KYW	Westinghouse Electric & Mfg. Co., Chicago, Ill.	536-	560-	1000
KZM	Preston D. Allen, Oakland, Calif.	360-	833-	50
KZN	The Deseret News, Salt Lake City, Utah.	360-	833-	500
KZV	Wentachee Battery & Motor Co., Wentachee, Wash.	360-	833-	50
WAAB	Valdemar Jensen, New Orleans, La.	268-	1120-	100
WAAC	Tulane University, New Orleans, La.	360-	833-	400
WAAD	Ohio Mechanics Institute, Cincinnati, Ohio.	360-	833-	25
WAAF	Chicago Daily, Drivers Journal, Chicago, Ill.	286-	1050-	200
WAAM	I. R. Nelson Co., Newark, N. J.	263-	1140-	250
WAAN	University of Missouri, Columbia, Mo.	254-	1180-	50
WAAW	Omaha Grain Exchange, Omaha, Nebr.	360-	833-	200
WAAZ	Hollister-Miller Motor Co., Emporia, Kans.	360-	833-	100
WABA	Lake Forest College, Lake Forest, Ill.	266-	1130-	100
WABB	Dr. John B. Lawrence, Harrisburg, Pa.	266-	1130-	10
WABC	Fulwider-Grimes Battery Co., Anderson, Ind.	229-	1310-	10
WABD	Parker High School, Dayton, Ohio.	283-	1060-	10
WABE	Young Men's Christian Association, Washington, D. C.	283-	1060-	100
WABG	Arnold Edwards Piano Co., Jacksonville, Fla.	275-	1090-	

		W.L. K.C. W.P.
WABH	Lake Shore Tire Co., Sandusky, Ohio	240-1250- 20
WABI	Bangor Railway & Electric Co., Bangor, Me	240-1250- 50
WABJ	The Radio Laboratories, South Bend, Ind	240-1250- 10
WABK	First Baptist Church, Worcester, Mass	252-1190- 10
WABL	Connecticut Agricultural College, Storrs, Conn	283-1060- 100
WABM	F. E. Doherty Automotive & Radio Equip. Co., Saginaw, Mich	254-1180- 100
WABN	Ott Radio, Inc., La Crosse, Wis	244-1320- 250
WABO	Lake Avenue Baptist Church, Rochester, N. Y	252-1190- 10
WABP	Robert F. Weinig, Dover, Ohio	266-1130- 100
WABQ	Haverford College Radio Club, Haverford, Pa	261-1150- 50
WABR	Scott High School, Toledo, Ohio	270-1110- 50
WABS	Essex Mfg. Co., Newark, N. J	244-1230- 50
WABT	Holliday-Hall, Washington, Pa	252-1190- 100
WABU	Victor Talking Machine Co., Camden, N. J	226-1330- 100
WABV	John H. De Witt, Nashville, Tenn	263-1140- 20
WABW	College of Wooster, Wooster, Ohio	234-1280- 20
WABX	Henry B. Joy, Mount Clemens, Mich	270-1110- 150
WBAA	Purdue University, West Lafayette, Ind	360- 833- 250
WBAD	Sterling Electric Co., Minneapolis, Minn	360- 833- 100
WBAH	The Dayton Co., Minneapolis, Minn	417- 720- 500
WBAN	Wireless Phone Corp., Paterson, N. J	244-1230- 100
WBAO	James Millikin University, Decatur, Ill	360- 833- 50
WBAP	Wortham-Carter Publishing Co., Fort Worth, Tex	476- 630- 750
WBAV	Erner & Hopkins Co., Columbus, Ohio	390- 770- 500
WBAW	Marietta College, Marietta, Ohio	246-1220- 250
WBAX	John H. Stenger, Jr., Wilkes-Barre, Pa	360- 833- 20
WBAY	American Telephone & Telegraph Co., New York, N. Y	492- 610- 500
WBBA	Newark Radio Laboratories, Newark, Ohio	240-1250- 20
WBBD	Barbey Battery Service, Reading, Pa	234-1280- 50
WBL	T. & H. Radio Co., Anthony, Kan	261-1150- 100
WBR	Penn State Police, Butler, Pa	286-1050- 250
WBS	D. W. May, Inc., Newark, N. J	360- 833- 20
WBT	Southern Radio Corp., Charlotte, N. C	360- 833- 500
WBU	City of Chicago, Chicago, Ill	286-1050- 500
WBZ	Westinghouse Elec. & Mfg. Co., Springfield, Mass	337- 890-1000
WCAD	St. Lawrence University, Canton, N. Y	280-1070- 250
WCAE	Kaufmann & Baer Co., Pittsburgh, Pa	462- 650- 500
WCAG	Clyde R. Randall, New Orleans, La	268-1120- 50
WCAH	Entrekin Electric Co., Columbus, Ohio	286-1050- 50
WCAJ	Nebraska Wesleyan University, University Place, Nebr	360- 833- 500
WCAK	Alfred P. Daniel, Houston, Tex	360- 833- 50
WCAL	St. Olaf College, Northfield, Minn	360- 833- 500

		W.L. K.C. W.P.
WCAM	Villanova College, Villanova, Pa	360- 833- 150
WCAO	Sanders & Stayman Co., Baltimore, Md	360- 833- 50
WCAP	Chesapeake & Potomac Telephone Co., Washington, D. C.	469- 640- 500
WCAR	Alamo Radio Electric Co., San Antonio, Tex	360- 833- 150
WCAS	Wm. Hood Dunwoody Industrial Institute, Minneapolis, Minn.	246-1050- 100
WCAT	South Dakota State School of Mines, Rapid City, S. D.	240-1250- 100
WCAU	Durham & Co., Philadelphia, Pa	286-1050- 100
WCAV	J. C. Dice Electric Co., Little Rock, Ark	360- 833- 20
WCAX	University of Vermont, Burlington, Vt	360- 833- 50
WCAY	Kesselman-O'Driscoll Co., Milwaukee, Wis	261-1150- 250
WCAZ	Carthage College, Carthage, Ill	246-1220- 50
WCBA	Charles W. Heimbach, Allentown, Pa	280-1070- 10
WCBD	Wilbur G. Voliva, Zion, Ill	345- 870- 500
WCK	Stix, Baer & Fuller Dry Goods Co., St. Louis, Mo	360- 833- 100
WCM	University of Texas, Austin, Tex	360- 833- 500
WCX	Detroit Free Press, Detroit, Mich	517- 580- 500
WDAE	Tampa Daily Times, Tampa, Fla	360- 833- 250
WDAF	Kansas City Star, Kansas City, Mo	411- 730- 500
WDAG	J. Laurance Martin, Amarillo, Tex	263-1140- 100
WDAH	Trinity Methodist Church (South), El Paso, Tex	268-1120- 50
WDAK	The Courant, Hartford, Conn	261-1150- 100
WDAO	Automotive Electric Co., Dallas, Tex	360- 833- 50
WDAP	Board of Trade, Chicago, Ill	360- 833- 500
WDAR	Lit Brothers, Philadelphia, Pa	395- 760- 500
WDAS	Samuel A. Waite, Worcester, Mass	360- 833- 5
WDAU	Slocum & Kilburn, New Bedford, Mass	360- 833- 100
WDAX	First National Bank, Centerville, Iowa	360- 833- 100
WDAY	Radio Equipment Corp., Fargo, N. Dak	244-1230- 50
WDBC	Kirk, Johnson & Co., Lancaster, Pa	258-1160- 50
WDZ	James L. Bush, Tuscola, Ill	278-1080- 10
WEAA	Frank D. Fallain, Flint, Mich	280-1070- 10
WEAF	American Telephone & Telegraph Co., New York, N. Y	492- 610- 500
WEAH	Wichita Board of Trade & Lander Radio Co., Wichita, Kans	280-1070- 50
WEAI	Cornell University, Ithaca, N. Y	286-1050- 500
WEAJ	University of South Dakota, Vermillion, S. Dak	283-1060- 200
WEAM	Borough of North Plainfield, North Plainfield, N. J	252-1190- 100
WEAN	Shepard Co., Providence, R. I	273-1100- 100
WEAO	Ohio State University, Columbus, Ohio	360- 833- 500
WEAP	Mobile Radio Co., Mobile, Ala	360- 833- 100
WEAR	Baltimore American & News Publishing Co., Baltimore, Md	360- 833- 50
WEAS	Hecht Co., Washington, D. C	360- 833- 100
WEAU	Davidson Bros. Co., Sioux City, Iowa	360- 833- 100

		W.L.	K.C.	W.P.
WEAY	Iris Theatre, Houston, Tex	360-	833-	250
WEB	Benwood Co., St. Louis, Mo	360-	833-	500
WEY	Hurlburt-Still Electrical Co., Houston, Tex	360-	833-	50
WEW	St. Louis University, St. Louis, Mo	261-	1150-	100
WFAA	Dallas News & Dallas Journal, Dallas, Tex	476-	630-	500
WFAB	Carl F. Woese, Syracuse, N. Y	234-	1280-	100
WFAF	H. C. Spratley Radio Co., Poughkeepsie, N. Y	360-	833-	20
WFAH	Electric Supply Co., Port Arthur, Tex	236-	1270-	150
WFAJ	Hi-Grade Wireless Instrument Co., Asheville, N. C	360-	833-	50
WFAM	Times Publishing Co., St. Cloud, Minn	360-	833-	20
WFAN	Hutchinson Electric Service Co., Hutchinson, Minn	360-	833-	300
WFAQ	Missouri Wesleyan College, Cameron, Mo	360-	833-	10
WFAT	New Columbus College, Sioux Falls, So. Dak	258-	1160-	50
WFAV	University of Nebraska, Dept. of Elec. Eng., Lincoln, Nebr	275-	1090-	500
WFI	Strawbridge & Clothier, Philadelphia, Pa	395-	760-	500
WGAL	Lancaster Electric Supply & Construction Co., Lancaster, Pa	248-	1210-	10
WGAN	Cecil E. Lloyd, Pensacola, Fla	360-	833-	50
WGAQ	Glenwood Radio Corp., Shreveport, La	360-	833-	150
WGAW	Ernest C. Albright, Altoona, Pa	261-	1150-	100
WGAY	Northwestern Radio Co., Madison, Wis	360-	833-	100
WGAZ	South Bend Tribune, South Bend, Ind	360-	833-	50
WGI	American Radio & Research Corp., Medford Hillside, Mass	360-	833-	150
WGL	Thomas F. J. Rowlett, Philadelphia, Pa	360-	833-	500
WGR	Federal Telep. & Teleg. Co., Buffalo, N. Y	319-	940-	500
WGV	Interstate Electric Co., New Orleans, La	360-	833-	100
WGY	General Electric Co., Schnectady, N. Y	380-	790-	1000
WHA	University of Wisconsin, Madison, Wis	360-	833-	500
WHAA	State University of Iowa, Iowa City, Iowa	283-	1060-	100
WHAB	Clark W. Thompson, Galveston, Tex	360-	833-	200
WHAD	Marquette University, Milwaukee, Wis	280-	1070-	100
WHAG	University of Cincinnati, Cincinnati, Ohio	222-	1350-	100
WHAH	Rafer Supply Co., Joplin, Mo	283-	1060-	250
WHAJ	Roberts Hardware Co., Clarksburg, W. Va	258-	1160-	15
WHAM	University of Rochester, Rochester, N. Y	283-	1060-	100
WHAP	Otta & Kuhns, Decatur, Ill	360-	833-	50
WHAR	Paramount Radio & Electric Co., Atlantic City, N. J	231-	1300-	10
WHAS	Courier-Journal & Louisville Times, Louisville, Ky	400	750-	500
WHAV	Wilmington Electric Specialty Co., Wilmington, Del	360-	833-	50
WHAZ	Rensselaer Polytechnic Institute, Troy, N. Y	380-	790-	500
WHB	Sweeney School Co., Kansas City, Mo	411-	720-	500
WHK	Radiovex Co., Cleveland, Ohio	283-	1060-	100
WHN	George Schubel, New York, N. Y	360-	833-	100

		W.L.	K.C.	W.P.
WIAB	Joslyn Automobile Co., Rockford, Ill.	252-1190-	50	
WIAC	Galveston Tribune, Galveston, Texas	360- 833-	100	
WIAD	Ocean City Yacht Club, Ocean City, N. J.	254-1180-	10	
WIAF	Gustav A. DeCortin, New Orleans, La.	234-1280-	10	
WIAI	Heer Stores Co., Springfield, Mo.	252-1190-	20	
WIAJ	Fox River Valley Radio Supply Co., Neenah, Wis.	224-1340-	100	
WIAK	Journal-Stockman Co., Omaha, Nebr.	273-1080-	200	
WIAO	School of Engineering of Milwaukee, Milwaukee, Wis.	360- 833-	100	
WIAQ	Chronicle Publishing Co., Marion, Ind.	226-1330-	10	
WIAR	Paducah Evening Sun, Paducah, Ky.	360- 833-	100	
WIAS	Home Electric Co., Burlington, Iowa.	360- 833-	100	
WIAU	American Trust & Savings Bank, Le Mars, Iowa.	360- 833-	20	
WIK	K. & L. Electric Co., McKeesport, Pa.	234-1280-	500	
WIL	Continental Electrical Supply Co., Washington, D. C.	360- 833-	10	
WIP	Gimbel Brothers, Philadelphia, Pa.	509- 590-	500	
WJAB	American Electric Co., Lincoln, Nebr.	360- 833-	500	
WJAD	Jackson's Radio Engineering Laboratories, Waco, Texas.	360- 833-	150	
WJAF	Muncie Press & Smith Publishing Co., Muncie, Ind.	360- 833-	10	
WJAG	Norfolk Daily News, Norfolk, Nebr.	283-1060-	250	
WJAK	Rev. Clifford L. White, Greentown, Ind.	254-1180-	30	
WJAM	D. M. Perham, Cedar Rapids, Io.	258-1120-	20	
WJAN	Peoria Star, Peoria, Ill.	280-1070-	100	
WJAQ	Capper Publications, Topeka, Ks.	360- 833-	100	
WJAR	The Outlet Co., Providence, R. I.	360- 833-	500	
WJAS	Pittsburgh Radio Supply House, Pittsburgh, Pa.	360- 833-	500	
WJAT	Kelly-Vawter Jewelry Co., Marshall, Mo.	360- 833-	10	
WJAX	Union Trust Co., Cleveland, O.	390- 770-	500	
WJAZ	Chicago Radio Laboratory, Chicago, Ill.	448- 670-	1000	
WJD	Denison University, Granville, O.	229-1310-	50	
WJH	William P. Boyer Co., Washington, D. C.	273-1100-	50	
WJX	Deforest Radio Tel. & Tel. Co., New York, N. Y.	360- 833-	500	
WJY	R. C. A., New York, N. Y.	405- 740-	500	
WJZ	Broadcast Central, New York, N. Y.	455- 660-	500	
WKAA	H. F. Paar, Cedar Rapids, Io.	268-1160-	100	
WKAD	Charles Looff, East Providence, R. I.	240-1250-	10	
WKAJ	W. S. Radio Supply Co., Wichita Falls, Tex.	360- 833-	100	
WKAN	United Battery Service Co., Montgomery, Ala.	226-1330-	15	
WKAP	Dutee W. Flint, Cranston, R. I.	360- 833-	250	
WKAQ	Radio Corp. of Porto Rico, San Juan, P. R.	360- 833-	100	
WKAR	Michigan Agriculture College, East Lansing, Mich.	280-1070-	250	
WKAJ	Laconia Radio Club, Laconia, N. H.	254-1180-	50	
WKAJ	Turner Cycle Co., Beloit, Wis.	242-1240-	10	

		W.L. K.C. W.P.
WKAY	Brenau College, Gainesville, Ga	280-1070- 10
WKY	WKY Radio Shop, Oklahoma, Okla	360- 833- 100
WLAG	Cutting & Washington Radio Corp., Minneapolis, Minn.	417- 720- 500
WLAH	Samuel Woodworth, Syracuse, N. Y	234-1280- 100
WLAJ	Waco Electrical Supply Co., Waco, Tex	360- 833- 150
WLAK	Vermont Farm Machine Corporation, Bellows Falls, Vt	360- 833- 100
WLAL	Naylor Electrical Co., Tulsa, Okla	360- 833- 100
WLAN	Putnam Hardware Co., Houlton, Me	283-1060- 250
WLAP	W. V. Jordan, Louisville, Ky	360- 833- 15
WLAQ	Arthur E. Schilling, Kalamazoo, Mich	283-1060- 20
WLAT	Radio & Specialty Co., Burlington, Io	360- 833- 10
WLAV	Electric Shop, Pensacola, Fla	254-1180- 15
WLAW	Police Dept., City of New York, New York, N. Y	360- 833- 500
WLAX	Putnam Electric Co., Greencastle, Ind	231-1300- 10
WLB	University of Minnesota, Minneapolis, Minn	360- 833- 5
WLW	Crosley Manufacturing Co., Cincinnati, O	309- 970- 500
WMAB	Radio Supply Co., Oklahoma, Okla	360- 833- 100
WMAC	Clive B. Meredith, Cazenovia, N. Y	261-1150- 200
WMAF	Round Hills Radio Corp., Dartmouth, Mass	360-833-100- 500
WMAH	General Supply Co., Lincoln, Neb	250-1180- 100
WMAJ	Drovers Telegram Co., Kansas City, Mo	275-1090- 250
WMAK	Norton Laboratories, Lockport, N. Y	360- 833- 500
WMAL	Trenton Hardware Co., Trenton, N. J	256-1170- 50
WMAN	First Baptist Church, Columbus, Ohio	286-1050- 10
WMAP	Utility Battery Service, Easton, Pa	246-1220- 150
WMAQ	Chicago Daily News, Chicago, Ill	448- 670- 500
WMAT	Paramount Radio Corp., Duluth, Minn	266-1130- 250
WMAV	Alabama Polytechnic Institute, Auburn, Ala	250-1200- 500
WMAY	Kingshighway Presbyterian Church, St. Louis, Mo	280-1070- 100
WMAZ	Mercer University, Macon, Ga	268-1120- 50
WMC	"Commercial Appeal," Memphis, Tenn	500- 600- 500
MWU	Doubleday-Hill Electric Co., Washington, D. C	261-1150- 50
WNAC	Shepard Stores, Boston, Mass	278-1080- 100
WNAD	University of Oklahoma, Norman, Okla	360- 833- 100
WNAL	R. J. Rockwell, Omaha, Neb	242-1240- 20
WNAN	Syracuse Radio Telephone Co., Syracuse, N. Y	286-1050- 100
WNAP	Wittenberg College, Springfield, Ohio	360- 833- 100
WNAQ	Charleston Radio Electric Co., Charleston, S. C	360- 833- 10
WNAR	C. C. Rhodes, Butler, Mo	231-1300- 20
WNAS	Texas Radio Corp. & Austin Statesman, Austin, Tex	360- 833- 100
WNAT	Lenning Brothers Co., Philadelphia, Pa	360- 833- 100
WNAV	People's Telephone & Telegraph Co., Knoxville, Tenn	236-1270- 500

		W.L.	K.C.	W.P.
WNAW	Peninsular Radio Club, Fort Munroe, Va.	360-	833-	5
WNAX	Dakota Radio Apparatus Co., Yankton, S. Dak.	244-1230-		100
WNJ	Shotton Radio Manufacturing Co., Albany, N. Y.	360-	833-	55
WOAC	Maus Radio Co., Lima, Ohio	266-1130-		50
WOAD	Friday Battery & Electric Corp., Sigourney, Iowa	360-	833-	20
WOAE	Midland College, Fremont, Neb.	360-	833-	20
WOAF	Tyler Commercial College, Tyler, Tex.	360-	833-	10
WOAG	Apollo Theatre, Belvidere, Ill.	224-1340-		100
WOAH	Palmetto Radio Corp., Charleston, S. C.	360-	833-	100
WOAI	Southern Equipment Co., San Antonio, Tex.	385-	780-	500
WOAJ	Ervins Electrical Co., Parsons, Kans.	258-1160-		15
WOAL	William E. Woods, Webster Groves, Mo.	229-1310-		500
WOAN	Vaughn Conservatory of Music, Lawrenceburg, Tenn.	360-	833-	150
WOAO	Lyradion Mfg. Co., Mishawaka, Ind.	360-	833-	50
WOAP	Kalamazoo College, Kalamazoo, Mich.	240-1250-		50
WOAR	Henry P. Lundskow, Kenosha, Wis.	229-1310-		50
WOAT	Boyd M. Hamp, Wilmington, Del.	360-	833-	50
WOAV	Pennsylvania Nat'l Guard, 2d Bat, 112th Inf., Erie, Pa.	242-1240-		100
WOAW	Woodmen of the World, Omaha, Nebr.	526-	570-	500
WOAX	Franklyn J. Wolff, Trenton, N. J.	240-1250-		500
WOC	Palmer School of Chiropractic, Davenport, Iowa	484-	620-	500
WOI	Iowa State College, Ames, Iowa	360-	833-	100
WOK	Pine Bluff Co., Pine Bluff, Ark.	360-	833-	500
WOO	John Wanamaker, Philadelphia, Pa.	509-	590-	500
WOQ	Western Radio Co., Kansas City, Mo.	360-	833-	500
WOR	L. Bamberger & Co., Newark, N. J.	405-	740-	500
WOS	Missouri State Marketing Bureau, Jefferson City, Mo.	441-	680-	500
WPAB	Pennsylvania State College, State College, Pa.	283-1060-		500
WPAC	Donaldson Radio Co., Okmulgee, Okla.	360-	833-	200
WPAH	Wisconsin Department of Markets, Waupaca, Wis.	360-	833-	250
WPAJ	Doolittle Radio Corp., New Haven, Conn.	268-1120-		10
WPAK	North Dakota Agricultural College, Agric. College, N. D.	360-	833-	250
WPAL	Avery & Loeb Electric Co., Columbus, Ohio	286-1050-		100
WPAM	Auerbach & Guettel, Topeka, Kans.	360-	833-	10
WPAP	Theodore D. Phillips, Winchester, Ky.	360-	833-	35
WPAQ	General Sales & Engineering Co., Frostburg, Md.	360-	833-	10
WPAT	St. Patrick's Cathedral, El Paso, Tex.	360-	833-	20
WPAU	Concordia College, Moorhead, Minn.	360-	833-	20
WPAZ	John R. Koch (Dr.), Charleston, W. Va.	273-1100-		100
WPG	Nushawg Poultry Farm, New Lebanon, Ohio	234-1280-		50
WQAA	Horace A. Beale, Jr., Parkesburg, Pa.	360-	833-	500
WQAC	E. B. Gish, Amarillo, Tex.	360-	833-	100

WQAD	Whitall Electric Co., Waterbury, Conn.....	242-1240-	50
WQAE	Moore Radio News Station, Springfield, Vt.....	275-1090-	50
WQAF	Sandusky Register, Sandusky, Ohio.....	240-1250-	5
WQAH	Brock-Anderson Electrical Engineering Co., Lexington, Ky.....	254-1180-	10
WQAL	Coles County Telephone & Telegraph Co., Mattoon, Ill.....	258-1160-	10
WQAM	Electrical Equipment Co., Miami, Fla.....	360- 833-	100
WQAN	Scranton Times, Scranton, Pa.....	280-1070-	100
WQAO	Calvary Baptist Church, New York, N. Y.....	360- 833-	100
WQAO	Abilene Daily Reporter, Abilene, Tex.....	360- 833-	100
WQAS	Prince-Walter Co., Lowell, Mass.....	266-1130-	100
WQAV	Huntington & Guerry, Inc., Greenville, S. C.....	258-1160-	15
WQAW	Catholic University, Washington, D. C.,.....	236-1270-	5
WQAX	Radio Equipment Co., Peoria, Ill.....	360- 833-	100
WRAA	Rice Institute, Houston, Tex.....	360- 833-	200
WRAD	Taylor Radio Shop, Marion, Mass.....	248-1210-	10
WRAF	The Radio Club, Inc., Laport, Ind.....	224-1340-	20
WRAH	Stanley N. Read, Providence, R. I.....	231-1300-	10
WRAL	Northern States Power Co., St. Croix Falls, Wis.....	248-1210-	100
WRAM	Lombard College, Galesburg, Ill.....	244-1230-	250
WRAN	Black Hawk Electrical Co., Waterloo, Iowa.....	236-1270-	10
WRAO	St. Louis Radio Service Co., St., Louis Mo.....	360- 833-	10
WRAV	Antioch College, Yellow Springs, Ohio.....	360- 833-	100
WRAW	Avenue Radio Shop, Reading, Pa.....	238-1260-	10
WRAX	Flexon's Garage, Gloucester City, N. J.....	268-1120-	100
WRAY	Radio Sales Corp., Scranton, Pa.....	280-1070-	100
WRAZ	Radio Shop of Newark, Newark, N. J.....	233-1290-	50
WRC	Radio Corporation of America, Washington, D. C.....	460- 640-	500
WRK	Doren Bros. Electric Co., Hamilton, Ohio.....	360- 833-	200
WRL	Union College, Schnectady, N. Y.....	360- 833-	500
WRM	University of Illinois, Urbana, Ill.....	360- 833-	500
WRR	City of Dallas, Dallas, Tex.....	360- 833-	20
WRW	Tarrytown Radio Research Laboratory, Tarrytown, N. Y.....	273-1100-	150
WSAB	Southeast Missouri State Teachers' College, Cape Girardeau, Mo.....	360- 833-	100
WSAC	Clemson Agricultural College, Clemson College, S. C.....	360- 833-	500
WSAD	J. A. Foster Co., Providence, R. I.....	261-1150-	150
WSAG	Loren V. Davis and George Prestman, Sr., St. Petersburg, Fla.....	244-1230-	10
WSAH	A. G. Leonard, Jr., Chicago, Ill.....	248-1210-	500
WSAI	United States Playing Card Co., Cincinnati, Ohio.....	309- 970-	500
WSAJ	Grove City College, Grove City, Pa.....	360- 833-	250
WSAL	Franklin Electric Co., Brookville, Ind.....	246-1220-	10
WSAN	Allentown Radio Club, Allentown, Pa.....	229-1310-	10
WSAR	Doughty & Welch Electrical Co., Fall River, Mass.....	254-1180-	10

		W.L. K.C	WP.
WSAT	Plainview Electric Co., Plainview, Texas	268-1120-	20
WSAU	Camp Marienfeld, Chesham, N. H.	229-1310-	
WSAW	Curtis & McElwee, Canandaigua, N. Y.	275-1190-	100
WSAX	Chicago Radio Laboratory, Chicago Ill.	268-1120-	20
WSAY	Irving Austin, Port Chester, N. Y.	233-1290-	100
WSAZ	Chase Electric Shop, Pomeroy, O.	258-1160-	50
WSB	Atlanta Journal, Atlanta, Ga.	429- 700-	500
WSL	J. & M. Electric Co., Utica, N. Y.	273-1100-	100
WSY	Alabama Power Co., Birmingham, Ala.	360- 833-	500
WTAB	Fall River Daily Herald Publishing Co., Fall River, Mass.	248-1210-	10
WTAC	Penn Traffic Co., Johnstown, Pa.	229-1310-	10
WTAF	Louis J. Gallo, New Orleans, La.	268-1120-	20
WTAG	Kern Music Co., Providence, R. I.	258-1160-	10
WTAH	Carmen Ferro, Belvidere, Ill.	236-1270-	10
WTAJ	The Radio Shop, Portland, Me.	236-1270-	10
WTAL	Toledo Radio & Electric Co., Toledo, Ohio	252-1190-	10
WTAM	The Willard Storage Battery Co., Cleveland, Ohio	390- 770-	1000
WTAN	Orndorff Radio Shop, Mattoon, Ill.	240-1250-	100
WTAP	Cambridge Radio & Electric Co., Cambridge, Ill.	242-1240-	50
WTAQ	S. H. Van Gorden & Son, Osseo, Wis.	226-1330-	100
WTAR	Reliance Electric Co., Norfolk, VA.	280-1070-	100
WTAS	Charles E. Erbstein, Elgin, Ill., near	286-1050-	500
WTAT	Edison Electric Illuminating Co., Boston, Mass.	244-1229-	100
WTAU	Ruegg Battery & Electric Co., Tecumseh, Neb.	360- 833-	10
WTAW	Agri. & Mech. College of Texas, College Station, Tex.	280-1070-	50
WTAX	Williams Hardware Co., Streator, Ill.	231-1300-	20
WTAY	Iodar-Oak Leaves Broadcasting Station, Oak Park, Ill.	226-1330-	15
WTAZ	Thomas J. McGuire, Lambertville, N. J.	283-1060-	15
WTG	Kansas State Agricultural College, Manhattan, Kan.	360- 833-	1000
WWAB	Hoening, Swern & Co., Trenton, N. J.	226-1330-	10
WWAC	Sanger Bros., Waco, Tex.	360- 833-	50
WWAD	Wright & Wright, Inc., Philadelphia, Pa.	360- 833-	100
WWAE	Alamo Dance Hall, Joliet, Ill.	227-1320-	500
WWAF	Galvin Radio Supply Co., Camden, N. J.	236-1270-	100
WWAK	Wormser Bros., Laredo, Tex.	360- 833-	50
WWAO	Michigan College of Mines, Houghton, Mich.	244-1230-	250
WWI	Ford Motor Co., Dearborn, Mich.	273-1100-	50
WWJ	Detroit News, Detroit, Mich.	517- 580-	500
WWL	Loyola University, New Orleans, La.	280-1070-	100

BROADCASTING STATIONS OF CANADA ARRANGED ALPHABETICALLY BY CALL LETTERS

		W.L. K.C.
CFAC	Calgary Herald, Calgary, Alberta	430-698
CFCA	Star Publishing and Printing Co., Toronto, Ontario	400-750
CFCF	Marconi Wireless Telegraph Co. of Canada, Montreal, Quebec	440-682
CFCH	Abitibi Power and Paper Co., Iroquois Falls, Ontario	400-750
CFCJ	La Cie de L'Evenement, Quebec, Quebec	410-732
CFCK	Radio Supply Co., Edmonton, Alberta	410-732
CFCL	Centennial Methodist Church, Victoria, British Columbia	400-750
CFCN	W. W. Grant Radio (Ltd.), Calgary, Alberta	440-682
CFCO	Semmelhaack-Dickson (Ltd.), Bellevue, Quebec	450-667
CFCQ	Radio Specialties (Ltd.), Vancouver, British Columbia	450-667
CFCR	Laurentide Air Service, Sudbury, Ontario	410-732
CFCW	The Radio Shop, London, Ontario	420-714
CFDC	Sparks Co., Nanaimo, British Columbia	430-698
CFQC	The Electric Shop (Ltd.), Sasakatoon, Saskatchewan	400-750
CFRC	Queens University, Kingston, Ontario	450-667
CFUC	University of Montreal, Montreal, Quebec	400-750
CHAC	Radio Engineers, Halifax, Nova Scotia	400-750
CHBC	Albertan Publishing Co., Calgary, Alberta	410-732
CHCD	Canadian Wireless and Electric Co., Quebec, Quebec	410-732
CHCE	Western Canada Radio Supply (Ltd.), Victoria, British Columbia	400-750
CHCL	Vancouver Merchants Exchange, Vancouver, British Columbia	440-682
CHYC	Northern Electric Co., Montreal, Quebec	410-732
CJCA	Edmonton Journal, Edmonton, Alberta	450-667
CJGC	London Free Press Printing Co., London, Ontario	430-698
CJCD	T. Eaton Co., Toronto, Ontario	410-732
CJCE	Sprott-Shaw Radio Co., Vancouver, British Columbia	420-714
CJCI	Maritime Radio Corp., St. John, New Brunswick	400-750
CJCN	Simons Agnew & Co., Toronto, Ontario	410-732
CJCX	Percival Wesley Shackleton, Olds, Alberta	400-750
CJSC	Evening Telegram, Toronto, Ontario	430-698
CKAC	La Presse Publishing Co., Montreal, Quebec	430-698
CKCD	Vancouver Daily Province, Vancouver, British Columbia	410-732
CKCE	Canadian Independent Telephone Co., Toronto, Ontario	450-667
CKCK	Leader Publishing Co., Regina, Saskatchewan	420-714
CKOC	Wentworth Radio Supply Co., Hamilton, Ontario	410-732
CKY	Manitoba Telephone System, Winnipeg, Manitoba	450-667

Mileage (air line) from Boston, Mass.

to some of the principal broadcasting stations located within the United States, also a few stations located in Canada, Cuba and Mexico.

The figures following the call letters indicate: W.L., wave length in metres; K.C., frequency in kilocycles; W.P., watt power of station; m, miles.

W.L.-K.C.-W.P.	W.L.-K.C.-W.P.	W.L.-K.C.-W.P.
Atlanta Ga 935 m WSB 429-700-500	Clemson College S C 832 m WSAC 360-833-500	Havana Cuba 1540 m PWX 400-750-500
Auburn Ala 1045 m WMAV 250-1070-500	Cleveland O 564 m WHK 360-833-500	Honolulu Hawaii 4620 KGU 360-833-250
Baltimore Md 365 m WCAO 360-833-50 WEAR 360-833-50	WJAX 390-770-500 WTAM 390-770-1000	Houston Tex 1602 m WEAY 360-833-250
Bellows Falls Vt 97 WLAK 360-833-500	Columbus O 652 m WBAV 390-770-500	Jefferson City Mo 1148 m WOS 441-680-500
Birmingham Ala 1052 WSY 360-833-500	Dallas, Texas 1547 m WFAA 476-630-500	Joliet Ill 880 m WWAE 227-1320-500
Boston Mass WNAC 278-1018-100 WTAT 244-1229-100	Davenport Ia 1015 m WOC 484-620-500	Juneau Alaska 3500 KFIU 226-1330-10
Buffalo N Y 416 m WGR 319-940-500	Denver Colo 1775 m KFAF 360-833-500 KLZ 360-833-500	Kansas City Mo 1265 WDAF 411-730-500 WHB 411-730-500 WOQ 360-833-500
Calgary, Alberta, Canada 2145 m CFCN 430-697-2000	Detroit Mich 628 m WCX 517-580-500 WWJ 517-920-1000	Lincoln Neb 1334 m WFAV 275-1090-500 WJAB 360-833-500
Charlotte N C 722 m WBT 360-833-500	East Pittsburgh Pa 477 m KDKA 326-920-1000	Lockport N Y 410 m WMAK 360-833-500
Chicago Ill 860 m KYW 536-560-1000 WDAP 360-833-500 WJAZ 448-670-1000 WMAQ 488-670-250	Elgin Ill 894 m WTAS 275-1090-500	Los Angeles Cal 2606 KFI 469-640-500 KHJ 395-760-500 HJS 360-833-750 KWH 360-833-500
Cincinnati O 743 m WLW 309-970-500 WSAI 309-970-500	Fort Worth Texas 1575 m WBAP 476-630-750	Louisville Ky 832 m WHAS 400-750-500
	Galveston Texas 1602 m WIAC 360-833-100	

W.L.-K.C.-W.P.

Madison Wis 935 m
 WHA 360-833-500
 Manhattan Kan 1373
 WTG 360-833-1000
 Medford Hillside
 Mass
 WGI 360-833-150
 Memphis Tenn 1128
 WMC 500-600-500
 Mexico City Mexico
 2315 m
 CYB 425-706-
 Milwaukee Wis 866
 WCAY 261-1150-
 250
 Minneapolis, Minn
 1135 m
 WBAH 417-720-500
 WLAG 417-720-500
 Montreal Quebec Can
 250 m
 CFCF 440-682-2000
 CKAC 430-697-2000
 Newark N J 206
 WAAM 263-1140-
 250
 WOR 405-740-500
 New Orleans La 1355
 WAAC 360-833-400
 New York City 189 m
 WEAJ 492-610-500
 WHN 360-833-100
 WJY 405-740-500
 WJZ 455-660-500
 Northfield Minn 1128
 WCAL 360-833-250
 Oakland Cal 2695 m
 KLS 360-833-250
 KLX 360-833-250
 Okmulgee Okla 1411
 WPAC 360-833-200

W.L.-K.C.-W.P.

Omaha Neb 1294
 WOAW 527-570-
 500
 Orange Texas 1514 m
 KFGX 250-1200-500
 Philadelphia Pa 275
 WDAR 395-760-500
 WFI 395-760-500
 WIP 509-590-500
 WOO 509-590-500
 Pittsburgh Pa 495 m
 KQV 360-833-500
 WCAE 462--650-500
 WJAS 360-833-500
 see East Pittsburgh
 Portland Ore 2585 m
 KGW 492-610-500
 Providence R I 42 m
 WEAN 273-110-100
 WJAR 360-833-500
 WSAD 261-1150-
 150
 Pullman Wash 2296
 KFAE 360-833-500
 Regina Saskatchewan
 Canada 1712 m
 CKCK 420-714-2000
 Rochester N Y 344 m
 WHAM 360-833-100
 St Louis Mo 1045 m
 KSD 546-550-500
 WEB 360-833-500
 Salt Lake City Utah
 2107 m
 KZN 360-833-500
 San Antonio Texas
 1767 m
 WOAI 385-780-500
 San Francisco Cal
 2705 m
 KPO 423-710-500

W.L.-K.C.-W.P.

San Juan Porto Rico
 1750 m
 WKAQ 360-833-100
 Schenectady N Y 155
 WGY 380-790-1000
 Seattle Wash 2530 m
 KTW 360-833-500
 Springfield Mass 86
 WBZ 337-890-1000
 State College New
 Mexico 2063 m
 KOB 360-833-500
 State College Pa 388
 WPAB 360-833-500
 Tampa Fla 1175 m
 WDAE 360-833-250
 Tarrytown N Y 172
 WRW 273-1100-150
 Toronto Cana 437 m
 CFCA 400-750-200
 Troy N Y 142 m
 WHAZ 380-790-500
 Tuinuccu Cubu 1535
 6 KW 332-904-
 Urbana Ill 918 m
 WRM 360-833-500
 Vancouver British
 Columbia 2558 m
 CKCD 410-732-2000
 Washington D C 392
 WCAP 469-640-500
 WRC 469-640-500
 West Lafayette Ind
 839 m
 WBAA 360-833-250
 Winnipeg Manitoba
 Canada 1370 m
 CJCG
 Zion Ill 863 m
 WCBD 345-870-500

Evening Program Schedules of the Principal Broad- EASTERN STANDARD TIME

	Dial Reading	Sunday
Atlanta, Ga.....WSB	60-95	8.30-10.00
Boston, Mass.....WNAC		6.45-9.30
Buffalo, N. Y.....WGR		silent
Chicago, Ill.....KYW		7.30-10.00
Chicago, Ill.....WDAP		10.15-12.00
Chicago, Ill.....WJAZ		7.00-10.00
Chicago, Ill.....WMAQ		silent
Cincinnati, Ohio.....WLW		silent
Cincinnati, Ohio.....WSAI		silent
Cleveland, Ohio.....WHK		8.00-10.00
Cleveland, Ohio.....WJAX		silent
Cleveland, Ohio.....WTAM		silent
Dallas, Tex.....WFAA		silent
Davenport, Iowa.....WOC		8.00-12.00
Detroit, Mich.....WCX		7.15-9.00
Detroit, Mich.....WWJ		7.30-9.00
East Pittsburgh, Pa....KDKA		6.30-10.00
Kansas City, Mo.....WDAF		silent
Kansas City, Mo.....WHB		9.00-2.00
Lockport, N. Y.....WMAK		silent
Louisville, Ky.....WHAS	silent	
Madison, Wis.....WHA	silent	
Medford Hillside, Mass.WGI	8.30-10.00	

casting Stations commonly heard by Mass. Radio Fans

EASTERN STANDARD TIME

Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
9.00-1.00	9.00-1.00	silent	9.00-1.00	9.00-1.00	9.00-1.00
6.00-10.00	8.00-10.00	6.00-10.00	8.00-10.00	6.00-10.00	8.00-10.00
6.30-12.00	6.30-7.45	6.30-12.00	6.30-7.45	6.30-12.00	6.30-7.45
silent	7.30-10.30	7.30-1.30	7.30-11.00	7.30-1.30	7.30-10.30
silent	8.00-1.00	8.00-1.00	8.00-1.00	8.00-1.00	8.00-1.00
silent	11.00-3.00	11.00-3.00	11.00-3.00	11.00-3.00	11.00-3.00
silent	9.30-11.00	8.00-11.30	8.00-12.00	8.00-11.00	8.00-12.00
9.00-11.00	11.00-1.00	9.00-11.00	11.00-1.00	silent	silent
silent	silent	9.00-11.00	9.00-11.00	silent	9.00-12.00
silent	silent	silent	silent	9.00-11.00	silent
silent	7.30-10.00	silent	8.00-10.30	silent	silent
silent	silent	8.00-10.30	silent	silent	9.00-11.00
7.15-10.30	7.15-1.00	7.15-10.30	7.15-10.30	7.15-10.30	7.15-1.00
7.30-10.00	silent	7.30-12.00	7.30-10.00	7.30-10.00	7.30-11.00
7.00-10.00	10.00-12.00	7.00-10.00	7.00-10.00	7.00-10.00	silent
7.00-10.00	7.00-10.00	7.00-10.00	7.00-12.00	7.00-10.00	7.30-9.00
6.15-10.00	6.00-12.30	6.00-10.00	6.00-12.30	6.00-10.00	6.00-10.00
9.00-2.00	12.45-2.00	9.00-2.00	12.45-2.00	9.00-2.00	12.45-2.00
8.00-9.00	8.00-11.00	8.00-9.00	8.00-11.00	8.00-9.00	silent
silent	8.00-9.00	silent	silent	silent	silent
silent	8.30-10.00	8.30-10.00	8.30-10.00	8.30-10.00	8.30-10.00
8.30-9.15	silent	8.30-9.15	silent	8.30-9.15	silent
silent	7.30-8.45	7.30-9.00	7.30-8.45	7.30-9.00	7.30-9.00

(over)

Evening Program Schedules of the Principal Broad- EASTERN STANDARD TIME

	Dial Reading	Sunday
Minneapolis, Minn. WLAG		8.45-10.15
Montreal, Que. CKAC		silent
Newark, N. J. WOR		silent
New York, N. Y. WEAJ		7.00-10.20
New York, N. Y. WHN		9.30-12.00
New York, N. Y. WJY		silent
New York, N. Y. WJZ		7.00-10.00
Omaha, Neb. WOAW		10.00-12.00
Philadelphia, Pa. WDAR		silent
Philadelphia, Pa. WFI		7.30-9.00
Philadelphia, Pa. WIP		silent
Philadelphia, Pa. WOO		silent
Providence, R. I. WEAN		7.45-9.00
Providence, R. I. WJAR		7.20-10.20
Providence, R. I. WSAD		silent
St. Louis, Mo. KSD		silent
Schnectady, N. Y. WGY		7.30-9.00
Springfield, Mass. WBZ		6.45-9.30
Troy, N. Y. WHAZ		silent
Washington, D. C. WCAP		7.20-10.00
Washington, D. C. WRC		silent
Zion, Ill. WCBD		silent

casting Stations commonly heard by Mass. Radio Fans

EASTERN STANDARD TIME

Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
6.30-10.17	6.30-10.17	6.30-11.45	6.30-10.17	6.30-11.45	6.30-1.30
silent	7.00-11.30	silent	7.00-11.30	silent	7.00-11.30
6.15-11.00	6.15-7.30	6.15-11.00	6.15-7.30	6.15-7.30	6.15-11.00
7.30-11.00	7.30-11.00	7.00-10.00	7.00-12.00	7.30-10.00	7.30-12.00
7.30-12.00	9.30-12.00	7.30-12.00	9.30-12.00	9.30-12.00	7.30-12.00
silent	7.30-12.00	silent	8.30-11.00	7.30-12.00	silent
7.00-10.00	7.00-12.00	7.00-12.00	7.00-12.00	7.00-12.00	7.00-12.00
10.00-12.00	10.00-12.00	10.00-12.00	10.00-12.00	10.00-12.00	10.00-12.00
8.00-10.00	7.30-8.00	8.00-10.00	7.30-8.00	8.00-12.00	7.30-8.00
silent	8.15	silent	8.15-	silent	8.15-
6.00-7.30	6.00-12.00	6.00-7.30	6.00-11.00	6.00-7.30	6.00-12.00
7.30-11.00	silent	7.30-11.00	silent	7.30-11.00	silent
6.00-10.00	8.00-10.00	7.00-10.00	7.00-8.00	8.00-10.00	9.00-11.00
7.00-8.00	7.00-8.00	7.30-10.00	silent	7.00-12.00	7.00-8.00
silent	6.00-7.00	7.00-8.00	8.15-11.00	6.00-7.00	6.00-7.00
9.30-12.00	9.00-11.30	8.00-1.00	9.00-10.00	silent	8.00-12.00
6.00-10.30	6.00-10.30	silent	6.00-10.30	6.00-12.00	10.00-12.00
7.00-10.00	7.00-10.00	7.00-10.00	7.00-10.00	7.00-10.00	7.00-10.00
9.00-12.00	silent	silent	silent	silent	silent
silent	7.30-10.00	silent	7.15-12.00	silent	7.30-12.00
8.00-10.30	silent	8.00-10.30	silent	8.00-10.30	silent
7.00-9.00	silent	silent	silent	7.00-9.00	silent

1924 LIST OF UNITED STATES BROADCASTING STATIONS ARRANGED BY STATES

ALABAMA

Auburn WMAV
Birmingham WSY
Mobile WEAP
Montgomery WKAN

ARIZONA

Phoenix, KDYM KFAD
KFCB
Tucson KFDH

ARKANSAS

Conway KFKQ
Fayetteville KFDV
KFMQ
Little Rock, KFLQ KFMB
WCAV
Pine Bluff WOK

CALIFORNIA

Bakersville KDZB
Berkeley KRR
El Monto KUY
Fresno KMJ
Hollywood KFAH
Long Beach KSS
Los Angeles, KDZF, KFI,
KJS, KNJ, KNV,
KNX, KUS, KWH,
Modesto KXD
Oakland, KLS, KLX,
KQM
Richmond KFCM
Sacramento KFBK
Santa Ana KFAW
Santa Babara KFHJ
San Diego KDPT,
KDYM, KFBC,
San Jose, KFAQ, KQW
San Francisco, KPO, KUO
San Luis Obispo KFBE

Stanford University KFGH
Stockton KJQ, KWG
Venice KFAV

COLORADO

Boulder KFAJ
Colorado Springs KFCK,
KFFQ, KFKZ
Greeley KFJD, KFKA
Denver KDZQ, KFAF,
KFDL, KFEL, KFLE,
KLZ
Gunnison KFHA
Lakeside KFKH
Trinidad KFBS

CONNECTICUT

Hartford WDAK
New Haven WPAJ
Storrs WABL
Waterbury WQAD

DELAWARE

Wilmington WHAV,
WOAT

DIST. OF COLUMBIA

Washington WABE,
WCAP, WEAS, WIL,
WJH, WMU, WQAW,
WRC

FLORIDA

Jacksonville WABG,
Miami WQAM
Pensacola, WGAN, WLAV
St. Petersburg WSAQ
Tampa WDAE

GEORGIA

Atlanta WSB
Gainesville WKAY
Macon WMAZ

IDAHO

Boise KEFB, KFAU,
KFDD
Kellogg KFEY
Moscow KFAN

ILLINOIS

Belvidere WOAG, WTAH
Cambridge WTAP
Carthage WCAZ
Chicago KYW, WAAF,
WDAP, WJAZ,
WMAQ, WSAH,
WSAX WGN
Decatur WBAO, WHAP
Elgin WTAX
Galesburg WRAM
Joliet WWAE
Lake Forrest WABA
Mattoon WQAL, WTAN
Oak Park WTAY
Peoria WJAN, WQAX
Rockford KFLV, WIAB
Streator WTAX
Tuscola WDZ
Urbana WRM
Zion WCBD

INDIANA

Anderson WABC
Brookville WSAL
Greencastle WLAX
Greentown WJAK
Laporte WRAF
Marion WIAQ
Mishawaka WOAO
Muncie WJAF
South Bend WGAZ, WABJ
West Lafayette WBAA

IOWA

Ames WOI
 Atlantic KFLZ
 Boone KFGQ
 Burlington WIAS, WLAT
 Cedar Falls KFJX
 Cedar Rapids KFLP,
 WJAM, WKAA
 Centerville WDAX
 Davenport WOC
 Dexter KFJV
 Fort Dodge KFER, KFJY
 Gladbrook KFIK
 Iowa City WHAA
 Lamoni KFFV
 Le Mars KFCI, WIAU
 Marshalltown KFJB
 Oskaloosa KFHL
 Ottumwa KFJL
 Sigourney WOAD
 Sioux City KFMR, WEAU
 Waterloo WRAN

KANSAS

Anthony WBL
 Emporia WAAZ
 Hutchinson KFHX
 Iola KFID
 Louisburg KFIL
 Manhattan WTG
 Milford KFKB
 Parsons WOAJ
 Topeka WJAQ, WPAM
 Towanda KFJW
 Wichita WEAH

KENTUCKY

Lexington WQAH
 Louisville WHAS, WLAP
 Paducah WIAR
 Winchester WPAP

LOUISIANA

Alexandria KFFY
 Baton Rouge KFGC
 Franklinton KFLD
 New Orleans WAAB,
 WAAC, WCAG,
 WGV, WIAF, WTAF,
 WWL
 Shreveport KFDX,
 KFHK, WGAQ

MAINE

Bangor WABI
 Houlton WLAN
 Portland WTAJ

MARYLAND

Baltimore WCAO, WEAR,
 Frostburg WPAQ

MASSACHUSETTS

Boston WNAC, WTAT
 Dartmouth WMAF
 Fall River WSAR, WTAB
 Lowell WQAS
 Marion WRAD
 Medford Hillside WGI
 New Bedford WDAU
 Springfield WBZ
 Worcester WABK, WDAS

MICHIGAN

Berrien Springs KFGZ
 Dearborn WWI
 Detroit KOP, WCX, WWJ
 East Lansing WKAR
 Flint WEAA
 Houghton KNMW-
 WWAQ

Kalamazoo WLAQ, WOAP
 Menominee KFLB
 Mt. Clemens WABX
 Saginaw WABM

MINNESOTA

Duluth KFMS, WMAT
 Hutchinson WFAN
 Minneapolis KFDZ,
 KFEX, KFMT,
 WBAD, WBAH,
 WCAS, WLAG, WLB
 Moorhead WPAU
 Northfield KFMY, WCAL
 St. Cloud WFAM

MISSOURI

Butler WNAR
 Cameron WFAQ
 Cape Girardeau WSAB
 Columbia WAAN
 Independence KFIX
 Jefferson City WOS
 Joplin WHAH
 Kansas City WDAF,
 WHB, WMAJ, WOQ
 Marshall WJAT
 St. Joseph KFHD
 St. Louis KFEZ, KFGJ,
 KFIB, KSD, WCK,
 WEB, WEW, WMAY,
 WRAO
 Springfield WIAI
 Webster Groves WOAL

MONTANA

Billings KFCH
 Boyeman KFDO
 Butte KFKV, KFLA
 Great Falls KDYS
 Havre KFBB
 Missoula KFLW
 Stevensville KFJR

NEBRASKA

Fremont WOAE
 Hastings KFKX

Kearney KFHP
 Lincoln KFDU, WFAV,
 WJAB, WMAH
 Norfolk WJAG
 Oak KFEQ
 Omaha KFCZ, KFFX,
 WAAW, WIAK,
 WNAL, WOAW
 Tecumseh WTAU
 University Place WCAJ
 Utica KFGV
 York KFDR

NEVADA

Sparks KFFR

NEW HAMPSHIRE

Laconi WKAU

Chesham WSAU

NEW JERSEY

Atlantic City WHAR

Camden WABU, WFAF

Gloucester City WRAX

Lambertville WTAZ

Newark WAAM, WABS,
 WBS, WOR, WRAZ

North Plainfield WEAM

Ocean City WIAD

Paterson WRAN

Trenton WMAL,

WOAX, WWAB

NEW MEXICO

Albuquerque KFLR

State College KOB

NEW YORK

Albany WNJ

Buffalo WGR

Canandaigua WSAW

Canton WCAD

Cazenovia WMAC

Ithaca WEAI

Lockport WMAK

New York WBAY
 WFAF, WHN, WJX,
 WJY, WJZ, WLAW,
 WQAO,

Port Chester WSAY

Poughkeepsie WFAF

Rochester WABO, WHAM

Schnectady WGY, WRL

Syracuse WFAB,

WLAH, WNAN

Tarrytown WRW

Troy WHAZ

Utica WSL

NORTH CAROLINA

Asheville WFAJ

Charlotte WBT

NORTH DAKOTA

Agricultural College

WPAK

Fargo KELY, WDAY

Grand Forks KFJM

OHIO

Cincinnati WAAD,

WHAG, WLW, WSAI

Cleveland WDPM, WHK,

WJAX, WTAM

Columbus WBAV, WCAH,

WEOA, WMAN,

WPAL

Dayton WABD

Dover WABP

Granville WJD

Hamilton WRK

Lima WOAC

Marietta WBAW

Newark WBBA

New Lebano WPG

Pomeroy WSAZ

Sandusky WABH, WQAF

Springfield WNAP

Toledo WABR, WTAL

Wooster WABW
 Yellow Springs WRAV

OKLAHOMA

Bristow KFJK

Chickasha KFGD

Norman WNAD

Oklahoma KFJF, WKY,

WMAB

Okmulgee WPAC

Tulsa WLAL

OREGON

Arlington KFGL

Astoria KFJI

Baker KFDA

Corvallis KFDJ

Hillsboro KFFO

Hood River KFHB, KQP

Medford KFAY

Pendleton KFFE

Portland KDYQ, KFEC,

KFIF, KGG, KGN

KGW

Salem KFCD

PENNSYLVANIA

Allentown WCBA, WSAW

Altoona WGAW

East Pittsburgh KDKA

Easton WMAP

Erie WOAV

Grove City WSAJ

Harrisburg WABB

Haverford WABQ

Johnstown WTAC

Lancaster WDBC, WGAL

McKeesport WIK

Parquesburg WQAA

Philadelphia WCAU,

WDAR, WFI, WGL,

WIP, WNAT, WOO,

WWAD

Pittsburgh (see also East
Pittsburgh) KQV,
WCAE, WJAS
Reading WBBD, WRAW
Scranton WQAN, WRAY
State College WPAB
Villanova WCAM
Washington WABT
Wilkes-Barre WBAX

RHODE ISLAND

Cranston WKAP
East Providence WKAD
Providence WEAN,
WJAR, WRAH,
WSAD, WTAG

SOUTH CAROLINA

Charleston WNAQ,
WOAH
Clemson College WSAC
Greenville WQAV

SOUTH DAKOTA

Brookings KFDY
Rapid City WCAT
Sioux Falls WFAT
Vermilion WEAJ
Yankstown WNAX

TENNESSEE

Knoxville WNAV
Lawrenceburg WOAN
Memphis WMC
Nashville WAVB

TEXAS

Abilene WQAQ

Amarillo WDAG, WQAC,
Austin WCM, WNAS
College Station WTAW
Dallas KFFZ, WDAO,
WFAA, WRR
El Paso WDAH, WPAT
Fort Worth KFJZ, WBAP
Galveston KFLX, WHAB
Wiac
Houston KFCV, WCAK,
WEAY, WEV, WRAA
Laredo WWAX
Orange KFGX
Plainview WSAT
Port Arthur WFAH
San Antonio WCAR,
WOAI

San Benito KFLU
San Marcos KEMU
Tyler WOAF
Waco WJAD, WLAJ,
WWAC
Wichita Falls WKAF

UTAH

Ogden KFCP
Salt Lake City KDYL,
KFLH, KZN

VERMONT

Bellows Falls WLAK
Burlington WCAX
Springfield WQAE

VIRGINIA

Fort Munroe WNAW
Norfolk WTAR

WASHINGTON

Aberdeen KNT
Bellingham KDZR
Everett KFBL
Lacey KGY
Neah Bay KFHH
Pullman KFAE
Seattle KDZE, KFHR,
KFIY, KFJC, KHQ,
KJR, KTW
Spokane KFIO
Tacoma KFBG, KFEJ,
KGB, KMO
Walla Walla KFCF
Wenatchee KDZI, KZV
Yakima KFIQ

WEST VIRGINIA

Charleston WPAZ
Clarksburg WHAK

WISCONSIN

Beloit WKAW
Fond du Lac KFIZ
Kenosha WOAR
La Crosse WABN
Madison WGAY, WHA
Milwaukee, WCAY,
WHD WIAO

Neenah WIAJ
Osseo WTAQ
St. Croix Falls WRAL
Waupaca WPAH

WYOMING

Douglas KFEV
Laramie KFBU

TENTATIVE REGULATIONS

of the

National Board of Fire Underwriters for Radio Receiving Apparatus

The regulations that follow were drawn up by a special committee of the National Fire Protection Association, which is the authority for the National Electrical Code and whose findings are standards of engineering practice. Besides the underwriting organizations represented upon this special committee, engineers acting for the American Radio Relay League, American Telephone and Telegraph Company, Radio Corporation of America and the Independent Telephone Association, also participated.

These regulations are recommended for trial use pending the issuance of the next edition of the National Electrical Code.

One of the fire dangers connected with the present use of radio is the inclination of those interested to experiment with lighting circuits and other high voltage systems. Even the current from a six-volt storage battery is sufficient to cause fire if the terminals, or the wire leading from them, become crossed. Both these hazards have already resulted in fires.

RECEIVING STATIONS

Antenna

a. Antenna outside of buildings shall not cross over or under electric light or power wires of any circuit of more than six hundred volts, or railway trolley or feeder wires, nor shall it be so located that a failure of either antenna or of the above mentioned electric light or power wires can result in a contact between the antenna and such electric light or power wires.

Antenna shall be constructed and installed in a strong and durable manner and shall be so located as to prevent accidental contact with light and power wires by sagging or swinging.

Splices and joints in the antenna span, unless made with approved clamps or splicing devices, shall be soldered.

Antennæ installed inside of buildings are not covered by the above specifications.

Lead-In Wires

b. Lead-in wires shall be of copper, approved copper-clad steel or other approved metal which will not corrode excessively, and in no case shall they be smaller than No. 14 B. & S. gage except that approved copper-clad steel not less than No. 17 B. & S. gage may be used.

Lead-in wires on the outside of buildings shall not come nearer than four (4) inches to electric light and power wires unless separated therefrom by a continuous and firmly fixed non-conductor that will maintain permanent separation. The non-conductor shall be in addition to any insulation on the wire.

Lead-in wires shall enter building through a non-combustible, non-absorbitive insulating bushing.

Protective Device

c. Each lead-in wire shall be provided with an approved protective device properly connected and located (inside or outside the building) as near as practicable to the point where the wire enters the building. The protector shall not be placed in the immediate vicinity of easily ignitable stuff, or where exposed to inflammable gases, or dust, or flyings of combustible materials.

The protective device shall be an approved lightning arrester which will operate at a potential of five hundred (500) volts or less.

The use of an antenna grounding switch is desirable, but does not obviate the necessity for the approved protective device required in this section. The antenna grounding switch if installed shall, in its closed position, form a shunt around the protective device.

Protective Ground Wire

d. The ground wire may be bare or insulated and shall be of copper or approved copper-clad steel. If of copper, the ground wire shall be not smaller than No. 14 B. & S. gage, and if of approved copper-clad steel it shall be not smaller than No. 17 B. & S. gage. The ground wire shall be run in as straight a line as possible to a good permanent ground. Preference shall be given to water piping. Gas piping shall not be used for grounding protective devices. Other permissible grounds are

grounded steel frames of buildings or other grounded metallic work in the building and artificial grounds such as driven pipes, plates, cones, etc.

The ground wire shall be protected against mechanical injury. An approved ground clamp shall be used wherever the ground wire is connected to pipes or piping.

Wires Inside Buildings

e. Wires inside buildings shall be securely fastened in a workmanlike manner and shall not come nearer than two (2) inches to any electric light or power wire unless separated therefrom by some continuous and firmly fixed non-conductor making a permanent separation. This non-conductor shall be in addition to any regular insulation on the wire. Porcelain tubing or approved flexible tubing may be used for encasing wires to comply with this rule.

Receiving Equipment Ground Wire

f. The ground conductor may be bare or insulated and shall be of copper, approved copper-clad steel or other approved metal which will not corrode excessively under existing conditions, and in no case shall the ground wire be less than No. 14 B. & S. gage except that approved copper-clad steel not less than No. 17 B. & S. gage may be used.

The ground conductor may be run inside or outside of building. When receiving equipment ground wire is run in full compliance with rules for Protective Ground Wire, in Section *d.*, it may be used as the ground conductor for the protective device.

Broadcasting
Stations and Locations

Call
Letters

Dial
Reading

Wave
Length

**Broadcasting
Stations and Locations**

**Call
Letters**

**Dial
Reading**

**Wave
Length**

