

Complete List Of Broadcasting Stations In the United States

All stations operate on 360 meters except as below.

Those with * on 400; † on 485; o in back of any sign indicates "only," thus to means 485 meters only.

Call	Name	City and State
KDKA	Westinghouse Elec. & Mfg. Co., East Pittsburgh, Pa.	Pittsburgh, Pa.
†KDN	Leo J. Meyberg Co., San Francisco, Cal.	San Francisco, Cal.
KDPM	Westinghouse Elec. Mfg. Co., Cleveland, Ohio	Cleveland, Ohio
KDPT	Southern Electrical Co., San Diego, Cal.	San Diego, Cal.
†KDYL	Telegram Publishing Co., Salt Lake City, Utah	Salt Lake City, Utah
KDYM	Savoy Theatre, San Diego, Cal.	San Diego, Cal.
KDYO	Carlson & Simpson, San Diego, Cal.	San Diego, Cal.
†KDYQ	Oregon Inst. of Technology, Portland, Ore.	Portland, Ore.
KDYS	Great Falls Tribune, Great Falls, Mont.	Great Falls, Mont.
KDYV	Cope & Cornwell Co., Salt Lake City, Utah	Salt Lake City, Utah
KDYW	Radio Dept. Smith Hughes Machinery Co., Phoenix, Ariz.	Phoenix, Ariz.
KDYN	Honolulu Star Bulletin, Honolulu, T. H.	Honolulu, T. H.
KDYY	Rocky Mountain Radio Corp., Denver, Colo.	Denver, Colo.
KDZA	Arizona Daily Star, Tucson, Ariz.	Tucson, Ariz.
KDZB	Frank E. Siefert, Bakersfield, Cal.	Bakersfield, Cal.
KDZE	The Rhodes Co., Seattle, Wash.	Seattle, Wash.
KDZF	Automobile Club of Southern California, Los Angeles, Cal.	Los Angeles, Cal.
KDZG	Cyrus Pierce & Co., San Francisco, Cal.	San Francisco, Cal.
†KDZH	Fresno Evening Herald, Fresno, Cal.	Fresno, Cal.
KDZI	Electric Supply Co., Wenatchee, Wash.	Wenatchee, Wash.
KDZK	Nevada Machinery & Elec. Co., Reno, Nev.	Reno, Nev.
KDZL	Rocky Mountain Radio Corp., Ogden, Utah	Ogden, Utah
KDZM	E. A. Hollingsworth, Centralia, Wash.	Centralia, Wash.
KDZP	Newbery Electric Corps., Los Angeles, Cal.	Los Angeles, Cal.
KDZQ	Wm. D. Pyle Motor Generator Co., Denver, Colo.	Denver, Colo.
KDZR	Bellingham Publishing Co., Bellingham, Wash.	Bellingham, Wash.
KDZT	Seattle Radio Association, Seattle, Wash.	Seattle, Wash.
KDZW	Claude W. Gerdes, San Francisco, Cal.	San Francisco, Cal.
KDZX	Glad Tidings Tabernacle, San Francisco, Cal.	San Francisco, Cal.
KDZZ	Kinney Bros. & Sipprell, Everett, Wash.	Everett, Wash.
KFAC	Glendale Daily Press, Glendale, Cal.	Glendale, Cal.
KFAD	McArthur Bros. Mercantile Co., Phoenix, Ariz.	Phoenix, Ariz.
KFAE	State College of Washington, Pullman, Wash.	Pullman, Wash.
KFAF	Western Radio Corp., Denver, Colo.	Denver, Colo.
KFAJ	University of Colorado, Boulder, Colo.	Boulder, Colo.
KFAN	The Electric Shop, Moscow, Idaho	Moscow, Idaho
KFAP	Standard Publishing Co., Butte, Mont.	Butte, Mont.
KFAQ	City of San José, San José, Cal.	San José, Cal.
KFAR	Studio Lighting Service Co., Hollywood, Cal.	Hollywood, Cal.
KFAS	Reno Motor Supply Co., Reno, Nev.	Reno, Nev.
KFAT	S. T. Donohue, Eugene, Ore.	Eugene, Ore.
†KFAU	High School, Boise, Idaho	Boise, Idaho
KFAV	Abbot Kinney Co., Venice, Cal.	Venice, Cal.
KFAW	Register-Radio-Den-Radiophone, Santa Ana, Cal.	Santa Ana, Cal.
†KFAY	Virgin Radio Service, Medford, Ore.	Medford, Ore.
KFAZ	C. H. Weatherill, Reedley, Cal.	Reedley, Cal.
KFBB	F. A. Buttrey & Co., Havre, Mont.	Havre, Mont.
KFBC	Normal Heights Station, (W. K. Azbill), San Diego, Cal.	San Diego, Cal.
KFBD	Mercantile Trust Co., Hanford, Cal.	Hanford, Cal.
KFBE	R. H. Horn (Cline's Electric Shop), San Luis Obispo, Cal.	San Luis Obispo, Cal.
KFBG	First Presbyterian Church, Tacoma, Wash.	Tacoma, Wash.
KFBH	Thomas Musical Co., Marshfield, Ore.	Marshfield, Ore.
†KFBK	Kimball-Upson Co., Sacramento, Cal.	Sacramento, Cal.
KFBL	Leese Bros., Everett, Wash.	Everett, Wash.
KFBM	Cook & Foster & Astoria Hardware Co., Astoria, Ore.	Astoria, Ore.
KFBN	Borch Radio Corp. (Portable), Cal.	Cal.
KFBO	Savage Electric Co., Prescott, Ariz.	Prescott, Ariz.
KFBS	Trinidad Gas & Electric Co. and Chronicle News, Trinidad, Colo.	Trinidad, Colo.
KFBU	The Cathedral (Bishop Thomas), Laramie, Wyo.	Laramie, Wyo.
KFBV	Clarence O. Ford, Colorado Springs, Colo.	Colorado Springs, Colo.
†KFC	Northern Radio & Electric Co., Seattle, Wash.	Seattle, Wash.
KFCB	Nielsen Radio Supply Co., Phoenix, Ariz.	Phoenix, Ariz.
KFCF	Auto Supply Co., Wallace, Idaho	Wallace, Idaho
KFCD	Salem Electric Co., Salem, Ore.	Salem, Ore.
KFCF	Frank A. Moore, Walla Walla, Wash.	Walla Walla, Wash.
KFCH	Electric Service Station, Inc., Billings, Mont.	Billings, Mont.

Call	Name	City and State
KFCCK	Colorado Springs Radio Co., Colorado Springs, Colo.	Colorado Springs, Colo.
†oKFCCL	Los Angeles Union Stock Yards, Los Angeles, Cal.	Los Angeles, Cal.
KFCM	Richmond Radio Shop, Richmond, Cal.	Richmond, Cal.
KFCQ	Motor Service Station, (Norman R. Hood), Casper, Wyo.	Casper, Wyo.
KFDA	Adler's Music Store, Baker, Ore.	Baker, Ore.
KFDB	John D. McKee, San Francisco, Cal.	San Francisco, Cal.
KFDC	Radio Supply Co. (E. B. Crane), Spokane, Wash.	Spokane, Wash.
KFDD	St. Michaels Cathedral, Boise, Idaho	Boise, Idaho
KFDF	Wyoming Radio Corp., Casper, Wyo.	Casper, Wyo.
KFDH	University of Arizona, Tucson, Ariz.	Tucson, Ariz.
KFDJ	Oregon Agricultural College, Corvallis, Ore.	Corvallis, Ore.
KFDL	Knight-Campbell Music Co., Denver, Colo.	Denver, Colo.
KFEB	City of Taft, Taft, Cal.	Taft, Cal.
KFEC	Meier & Frank Co., Portland, Ore.	Portland, Ore.
KFED	Billings Polytechnic Inst., Polytechnic, Mont.	Polytechnic, Mont.
KFEJ	Guy Greason, Tacoma, Wash.	Tacoma, Wash.
KFEP	Radio Equipment Co., Denver, Colo.	Denver, Colo.
KFFA	Dr. R. O. Shelton, San Diego, Cal.	San Diego, Cal.
KFFE	Eastern Oregon Radio Co., Pendleton, Ore.	Pendleton, Ore.
KFGG	Astoria Budget, Astoria, Ore.	Astoria, Ore.
KFGH	Stanford University, Stanford University, Cal.	Stanford University, Cal.
KFHJ	Fallon Co., Santa Barbara, Cal.	Santa Barbara, Cal.
KFI	Earle C. Anthony, Inc., Los Angeles, Cal.	Los Angeles, Cal.
KFV	Foster-Bradbury Radio Store, Yakima, Wash.	Yakima, Wash.
KFZ	The Doerr Mitchell Elec. Co., Spokane, Wash.	Spokane, Wash.
KGB	Wm. A. Mullins Electric Co., Tacoma, Wash.	Tacoma, Wash.
KGG	Hallock & Watson Radio Service, Portland, Ore.	Portland, Ore.
KGN	Northwest Radio Mfg. Co., Portland, Ore.	Portland, Ore.
KGO	Altadena Radio Laboratory, Pasadena, Cal.	Pasadena, Cal.
KGU	Marion A. Mulroney, Honolulu, Hawaii	Honolulu, Hawaii
*oKGW	Portland Morning Oregonian, Portland, Ore.	Portland, Ore.
KGY	St. Martins College, Lacey, Wash.	Lacey, Wash.
†KHD	C. F. Aldrich Marble & Granite Co., Colorado Springs, Colo.	Colorado Springs, Colo.
†oKHJ	Times Mirror Co., Los Angeles, Cal.	Los Angeles, Cal.
KHQ	Louis Wasmer, Seattle, Wash.	Seattle, Wash.
KJC	Standard Radio Co., Los Angeles, Cal.	Los Angeles, Cal.
KJJ	The Radio Shop, Sunnyvale, Cal.	Sunnyvale, Cal.
KJQ	C. O. Gould, Stockton, Cal.	Stockton, Cal.
KJR	Vincent I. Kraft (operated by Northwest Radio Service), Seattle, Wash.	Seattle, Wash.
KJS	Bible Institute of Los Angeles, Los Angeles, Cal.	Los Angeles, Cal.
KLB	J. J. Dunn & Co., Pasadena, Cal.	Pasadena, Cal.
KLN	Monterey Electric Shop, Del Monte, Cal.	Del Monte, Cal.
KLP	Colin B. Kennedy Corp., Los Altos, Cal.	Los Altos, Cal.
KLS	Warner Bros., Oakland, Cal.	Oakland, Cal.
KLX	Oakland Tribune, Oakland, Cal.	Oakland, Cal.
†KLZ	Reynolds Radio Co., Denver, Colo.	Denver, Colo.
KMC	W. W. Lindsay, Jr., Reedley, Cal.	Reedley, Cal.
†KMJ	San Joaquin Light & Power Corp., Fresno, Cal.	Fresno, Cal.
KMO	Love Electric Co., Tacoma, Wash.	Tacoma, Wash.
KNI	T. W. Smith, Eureka, Cal.	Eureka, Cal.
†KNJ	Roswell Public Service Co., Roswell, N. Mex.	Roswell, N. Mex.
KNN	Bullock's, Los Angeles, Cal.	Los Angeles, Cal.
KNT	Grays Harbor Radio Co. (Walter Hemrich), Aberdeen, Wash.	Aberdeen, Wash.
KNV	Radio Supply Co., Los Angeles, Cal.	Los Angeles, Cal.
KNX	Electric Lighting Supply Co., Los Angeles, Cal.	Los Angeles, Cal.
†oKOA	Young Mens Christian Assoc., Denver, Colo.	Denver, Colo.
†KOB	New Mexico College of Agriculture and Mechanic Arts, State College, N. Mex.	State College, N. Mex.
KOG	Western Radio Electric Co., Los Angeles, Cal.	Los Angeles, Cal.
KON	Holzwasser, Inc., San Diego, Cal.	San Diego, Cal.
KOP	Detroit Police Dept., Detroit, Mich.	Detroit, Mich.
KPO	Hale Bros., San Francisco, Cal.	San Francisco, Cal.
KQI	University of California, Berkeley, Cal.	Berkeley, Cal.
KQJ	Hood River News (Radio Shop of Hood River), Hood River, Ore.	Hood River, Ore.
KQV	Doubleday Hill Elec. Co., Pittsburgh, Pa.	Pittsburgh, Pa.
KQW	Chas. D. Herrold, San José, Cal.	San José, Cal.
KQY	Stubbs Electric Co., Portland, Ore.	Portland, Ore.
KRE	Maxwell Electric Co., Berkeley, Cal.	Berkeley, Cal.
†oKSD	Post Dispatch, St. Louis, Mo.	St. Louis, Mo.
KSL	The Emporium, San Francisco, Cal.	San Francisco, Cal.
KSS	Prest & Dean Radio Co., Long Beach, Cal.	Long Beach, Cal.
KTW	First Presbyterian Church, Seattle, Wash.	Seattle, Wash.

Call	Name	City and State
†KUO	San Francisco Examiner, San Francisco, Cal.	San Francisco, Cal.
KUS	City Dye Works & Laundry Co., Los Angeles, Cal.	Los Angeles, Cal.
KUY	Coast Radio Co., Inc., El Monte, Cal.	El Monte, Cal.
KVO	Sacramento Bee (Jos. McClatchy Co.), Sacramento, Cal.	Sacramento, Cal.
KWG	Portable Wireless Telephone Co., Stockton, Cal.	Stockton, Cal.
†KWH	Los Angeles Examiner, Los Angeles, Cal.	Los Angeles, Cal.
KXD	Herald Publishing Co., Modesto, Cal.	Modesto, Cal.
KXS	Braun Corp., Los Angeles, Cal.	Los Angeles, Cal.
KYI	Bakersfield Californian, Bakersfield, Cal.	Bakersfield, Cal.
†KYJ	Leo J. Meyberg Co., Los Angeles, Cal.	Los Angeles, Cal.
†oKYW	Electric Shop, Honolulu, Hawaii	Honolulu, Hawaii
KYY	Westinghouse Elec. & Mfg. Co., Chicago, Ill.	Chicago, Ill.
KYZ	Radio Telephone Shop, San Francisco, Cal.	San Francisco, Cal.
KZC	Public Market & Dept. Stores Co., Seattle, Wash.	Seattle, Wash.
†KZM	Preston D. Allen, Oakland, Cal.	Oakland, Cal.
†KZN	The Deseret News, Salt Lake City, Utah	Salt Lake City, Utah
KZV	Wenatchee Battery & Motor Co., Wenatchee, Wash.	Wenatchee, Wash.
KZY	Atlantic & Pacific Radio Supply Co., San Francisco, Cal.	San Francisco, Cal.
WAAC	Tulane University, New Orleans, La.	New Orleans, La.
WAAD	Ohio Mechanics Institute, Cincinnati, Ohio	Cincinnati, Ohio
†WAAF	Chicago Daily Drovers' Journal, Chicago, Ill.	Chicago, Ill.
WAAH	Radio Dept. Commonwealth Electric Co., St. Paul, Minn.	St. Paul, Minn.
WAAI	Eastern Radio Institute, Boston, Mass.	Boston, Mass.
†WAAK	Gimbel Bros., Milwaukee, Wis.	Milwaukee, Wis.
WAAJ	Anderson Beamish Elec. Co., Minneapolis, Minn.	Minneapolis, Minn.
WAAM	I. R. Nelson Co., Newark, N. J.	Newark, N. J.
†WAAN	University of Missouri, Columbia, Mo.	Columbia, Mo.
†WAAP	United Electric Co., Wichita, Kans.	Wichita, Kans.
WAAQ	New England Motor Sales Co., Greenwich, Conn.	Greenwich, Conn.
WAAS	Georgia Radio Co., Decatur, Ga.	Decatur, Ga.
†WAAW	Omaha Grain Exchange, Omaha, Neb.	Omaha, Neb.
WAAV	Radio Service Corp., Crafton, Pa.	Crafton, Pa.
WAAZ	Yahrling-Rayner Music Co., Youngstown, Ohio	Youngstown, Ohio
†WAH	Hollister-Miller Motor Co., Emporia, Kansas	Emporia, Kansas
WBAA	Midland Refining Co., El Dorado, Kansas	El Dorado, Kansas
WBAB	Purdue University, West Lafayette, Ind.	West Lafayette, Ind.
WBAD	Andrew J. Potter, Syracuse, N. Y.	Syracuse, N. Y.
WBAG	Sterling Electric Co., Minneapolis, Minn.	Minneapolis, Minn.
WBAA	Fred M. Middleton, Moorestown, N. J.	Moorestown, N. J.
WBAB	Diamond State Fibre Co., Bridgeport, Pa.	Bridgeport, Pa.
WBAC	The Dayton Co., Minneapolis, Minn.	Minneapolis, Minn.
WBAD	The Marshall Gerken Co., Toledo, Ohio	Toledo, Ohio
WBAN	Wireless Phone Corp., Paterson, N. J.	Paterson, N. J.
WBAO	James Millikin University, Decatur, Ill.	Decatur, Ill.
†oWBAP	Wortham-Carter Pub. Co., Fort Worth, Texas	Fort Worth, Texas
WBAU	Republican Publishing Co., Hamilton, Ohio	Hamilton, Ohio
†WBAY	Erner & Hopkins, Columbus, Ohio	Columbus, Ohio
WBBA	Marietta College, Marietta, Ohio	Marietta, Ohio
WBAX	John H. Stenger, Jr., Wilkes-Barre, Pa.	Wilkes-Barre, Pa.
†oWBAY	American Tel. & Tel. Co., New York, N. Y.	New York, N. Y.
WBL	T & H Radio Co., Anthony, Kansas	Anthony, Kansas
WBS	D. W. May, Inc., Newark, N. J.	Newark, N. J.
†WBT	Southern Radio Corp., Charlotte, N. C.	Charlotte, N. C.
WBU	City of Chicago, Chicago, Ill.	Chicago, Ill.
†oWBZ	Westinghouse Elec. & Mfg. Co., Springfield, Mass.	Springfield, Mass.
WCAB	Newburgh Daily News, Newburgh, N. Y.	Newburgh, N. Y.
WCAC	John Fink Jewelry Co., Fort Smith, Ark.	Fort Smith, Ark.
WCAD	St. Lawrence University, Canton, Ohio	Canton, Ohio
†oWCAE	Kaufman & Baer Co., Pittsburgh, Pa.	Pittsburgh, Pa.
WCAG	Daily States Pub. Co., New Orleans, La.	New Orleans, La.
WCAH	Entrekin Electric Co., Columbus, Ohio	Columbus, Ohio
†WCAJ	Nebraska Wesleyan University, University Place, Nebr.	University Place, Nebr.
WCAK	Alfred P. Daniel, Houston, Texas	Houston, Texas
WCAL	St. Olaf College, Northfield, Minn.	Northfield, Minn.
WCAM	Villanova College, Villanova, Pa.	Villanova, Pa.
WCAO	Sanders and Stayman Co., Baltimore, Md.	Baltimore, Md.
†WCAP	Central Radio Service, Decatur, Ill.	Decatur, Ill.
WCAQ	Tri-State Radio Mfg. & Supply Co., Defiance, Ohio	Defiance, Ohio
WCAR	Alamo Radio Elec. Co., San Antonio, Texas	San Antonio, Texas
WCAS	Wm. Hood Dunwoody Industrial Institute, Minneapolis, Minn.	Minneapolis, Minn.

Call	Name	City and State	Call	Name	City and State	Call	Name	City and State
to WCAT	S. Dakota School of Mines,	Rapid City, S. Dak.	WFAW	Miami Daily Metropolis...	Miami, Fla.	WIAW	Woodward & Lothrop,	Washington, D. C.
to WCAU	Philadelphia Radiophone Co.,	Philadelphia, Pa.	WFAZ	Daniels Radio Supply Co.,	Independence, Kansas	WIAZ	Electric Supply Sales Co.,	Miami, Fla.
WCAV	J. C. Dice Electric Co.,	Little Rock, Ark.	to WFI	Strawbridge & Clothier,	Philadelphia, Pa.	WIK	K & L Electric Co.,	McKeesport, Pa.
to WCAW	Quincy Electric Supply Co.,	Quincy, Ill.	WGAB	QRV Radio Co.,	Houston, Tex.	WIL	Continental Electric Supply Co.,	Washington, D. C.
WCAX	University of Vermont,	Burlington, Vt.	WGAD	Spanish American School of Radio-	Ensenada, P. R.	to WIP	Gimbel Bros.,	Philadelphia, Pa.
WCAY	Kesselman O'Driscoll Co.,	Milwaukee, Wis.	WGAH	New Haven Electric Co.,	New Haven, Conn.	to WIZ	Cino Radio Mfg. Co.,	Cincinnati, Ohio
WCAZ	Robt. E. Compton and Carthage	College, Carthage, Ill.	WGAJ	W. H. Gass,...	Shenandoah, Iowa	WJAB	American Radio Co.,	Lincoln, Nebr.
WCE	Findley Electric Co.,	Minneapolis, Minn.	WGAK	Macon Electric Co.,	Macon, Ga.	WJAC	Redell Co.,	Joplin, Mo.
to WCK	Stix Baer & Fuller Co.,	St. Louis, Mo.	WGAL	Lancaster Elec. Supply & Con-	Lancaster, Pa.	WJAD	Jackson's Radio Engineering	Laboratories, Waco, Texas
to WCM	University of Texas,...	Austin, Texas	WGAM	Orangeburg Radio Equipment Co.,	Orangeburg, So. Car.	to WJAE	Texas Radio Syndicate,	San Antonio, Texas
to WCN	Clark University,...	Worcester, Mass.	WGAN	Cecil E. Lloyd,...	Pensacola, Fla.	WJAF	Muncie Press-Smith Electric,	Muncie, Ind.
to WCCX	The Detroit Free Press,	Detroit, Mich.	WGAQ	Glenwood Radio Corp.,	Shreveport, La.	WJAG	Norfolk Daily News,...	Norfolk, Nebr.
to WDAC	Illinois Watch Co.,	Springfield, Ill.	to WGAR	Southwest American,...	Shreveport, La.	WJAJ	Y. M. C. A.,	Dayton, Ohio
to WDAE	Tampa Daily Times,...	Tampa, Fla.	WGAS	The Ray-Di-Co. Organization,	Chicago, Ill.	to WJAK	White Radio Laboratory,	Stockdale, Ohio
to WDAF	Kansas City Star,...	Kansas City, Mo.	WGAT	American Legion, Dept. of Nebraska,	Lincoln, Nebr.	WJAL	Victor Radio Corp.,	Portland, Me.
WDAG	J. Laurance Martin,...	Amarillo, Texas	WGAU	Marcus G. Limb,...	Wooster, Ohio	WJAM	D. M. Perham,...	Cedar Rapids, Iowa
to WDAH	Mine & Smelter Supply Co.,	El Paso, Texas	WGAW	Ernest C. Albright,...	Altoona, Pa.	WJAN	Peoria Star-Peoria Radio Sales Co.,	Peoria, Ill.
to WDAI	Hughes Electrical Corp.,	Syracuse, N. Y.	WGAX	Radio Electric Co.,	Washington Court House, Ohio	WJAP	Kelley-Duluth Co.,	Duluth, Minn.
to WDAJ	Atlanta & West Point R. R. Co.,	College Park, Ga.	WGAY	Northwestern Radio Co.,	Madison, Wis.	WJAO	Capper Publications,...	Topeka, Kan.
WDAK	The Hartford Courant,	Hartford, Conn.	WGAZ	South Bend Tribune,...	South Bend, Ind.	WJAR	Outlet Co. (J. Samuels & Bro.),	Providence, R. I.
to WDAL	Florida Times-Union,...	Jacksonville, Fla.	to WGF	The Register & Tribune,	Des Moines, Iowa	WJAS	Pittsburgh Radio Supply Co.,	Pittsburgh, Pa.
WDAO	Automotive Elec. Co.,	Dallas, Texas	WGI	American Radio & Research Corp.,	Medford Hillside, Mass.	WJAT	Kelley-Vawter Jewelry Co.,	Marshall, Mo.
WDAP	Midwest Radio Central, Inc.,	Chicago, Ill.	WGL	Thos. F. J. Howlett,...	Philadelphia, Pa.	WJAU	Yankton College,...	Yankton, So. Dak.
WDAQ	Hartman Riker Elec. & Machine Co.,	Brownsville, Pa.	to WGM	Atlanta Constitution,...	Atlanta, Ga.	WJAX	Union Trust Co.,	Cleveland, Ohio
WDAR	Lit Bros.,	Philadelphia, Pa.	WGR	Federal Telephone & Telegraph Co.,	Buffalo, N. Y.	WJAZ	Chicago Radio Laboratory,	Chicago, Ill.
WDAS	Samuel A. Waite,...	Worcester, Mass.	to WGV	Interstate Electric Co.,	New Orleans, La.	WJD	Richard H. Howe,...	Granville, Ohio
WDAU	Slocum & Kilburn,	New Bedford, Mass.	to WGY	General Electric Co.,	Schenectady, N. Y.	WJH	White & Boyer Co.,	Washington, D. C.
WDAV	Muskogee Daily Phoenix,	Muskogee, Okla.	WHA	University of Wisconsin,	Madison, Wis.	WJK	Service Radio Equipment Co.,	Toledo, Ohio
WDAX	First National Bank,...	Centerville, Iowa	to WHA	State University of Iowa,	Iowa City, Iowa	WJX	De Forest Radio Telephone &	Telegraph Co., New York, N. Y.
to WDAY	Fargo Radio Service Co.,	Fargo, N. Dak.	WHAB	Clark W. Thompson (Fellman's	Dry Goods Co.), Galveston, Tex.	WJZ	Westinghouse Elec. & Mfg. Co.,	Newark, N. J.
WDM	Church of the Covenant,	Washington, D. C.	WHAC	Cole Bros., Electric Co.,	Waterloo, Iowa	to WKAA	H. F. Paar (Republican Times),	Cedar Rapids, Iowa
WDT	Ship Owners Radio Service,	New York, N. Y.	to WHAD	Marquette University,	Milwaukee, Wis.	WKAC	Star Publishing Co.,	Lincoln, Nebr.
WDV	John O. Yeiser, Jr.,	Omaha, Nebr.	WHAE	Automotive Electric Service Co.,	Sioux City, Iowa	WKAD	Charles Loeff (Crescent Park),	East Providence, R. I.
WDY	Radio Corp. of America,	Roselle Park, N. J.	WHAF	Radio Electric Co.,	Pittsburgh, Pa.	WKAF	W. S. Radio Supply Co.,	Wichita Falls, Texas
WDZ	I. L. Bush,...	Tuscola, Ill.	WHAG	University of Cincinnati,	Cincinnati, Ohio	WKAG	Edwin T. Bruce, M.D.,	Louisville, Ky.
WEAA	Fallian & Lathrop,...	Flint, Mich.	WHAH	Hafer Supply Co.,	Joplin, Mo.	WKAH	Planet Radio Co.,	West Palm Beach, Fla.
to WEAB	Standard Radio Equipment Co.,	Fort Dodge, Iowa	WHAI	Radio Equipment & Mfg. Co.,	Davenport, Iowa	WKAK	Okfuskee County News,	Okemah, Okla.
to WEAC	Baines Electric Service Co.,	Terre Haute, Ind.	WHAK	Roberts Hdwe. Co.,	Clarksburg, W. Va.	WKAL	Gray & Gray,...	Orange, Texas
WEAD	Northwest Kansas Radio Supply Co.,	Atwood, Kansas	to WHAM	Lansing Capital News,...	Lansing, Mich.	WKAN	Alabama Radio Mfg. Co.,	Montgomery, Ala.
WEAE	Virginia Polytechnic Inst.,	Blacksburg, Va.	WHAP	Frederic A. Hill,...	Savannah, Ga.	WKAP	Duttee W. Flint,...	Cranston, R. I.
to WEAF	Western Electric Co.,	New York, N. Y.	WHAR	Paramount Radio & Elec. Co.,	Atlantic City, N. J.	WKAQ	Radio Corp. of Porto Rico,	San Juan, P. R.
WEAG	Nichols-Hineline-Bassett Laboratory,	Edgewood, R. I.	WHAS	Courier-Journal and Louisville Times,	Louisville, Ky.	WKAR	Michigan Agricultural College,	East Lansing, Mich.
to WEAH	Wichita Board of Trade & Lander	Radio Co.,	WHAV	Wilmington Electrical Specialty Co.,	Wilmington, Del.	WKAS	L. E. Lines Music Co.,	Springfield, Mo.
WEAI	Cornell University,...	Ithaca, N. Y.	WHAY	The Huntington Press,	Huntington, Ind.	WKAW	Laconia Radio Club,...	Laconia, N. H.
WEAJ	University of So. Dakota,	Vermillion, S. Dak.	to WHB	Sweeney School Co.,	Kansas City, Mo.	WKAX	William A. MacFarland,	Bridgeport, Conn.
WEAK	Julius B. Abercrombie, St. Joseph, Mo.	Borough of No. Plainfield, N. J.	WHC	West Virginia University,	Morgantown, W. Va.	WKAY	Brenau College,...	Gainesville, Ga.
WEAM	North Plainfield, N. J.	Shepard Co.,	WHH	Radiovox Co. (Warren R. Cox),	Cleveland, Ohio	WKAZ	Landau's Music & Jewelry Co.,	Wilkes-Barre, Pa.
to WEAN	Ohio State University,	Columbus, Ohio	WHI	Ridgewood Times Publishing Co.,	Ridgewood, N. Y.	WKC	Joseph M. Zamoiski Co.,	Baltimore, Md.
to WEAO	Mobile Radio Co.,	Mobile, Ala.	WHJ	Wm. B. Duck Co.,	Toledo, Ohio	to WKN	Riechman Crosby Co.,	Memphis, Tenn.
WEAR	Baltimore American & News	Publishing Co.,	WHK	Stuart W. Seeley, East Lansing, Mich.	East Lansing, Mich.	WKY	WKY Radio Shop,	Oklahoma City, Okla.
WEAS	Hecht Co.,	Washington, D. C.	WHL	Joslyn Automobile Co.,	Rockford, Ill.	WLAC	North Carolina State College,	Raleigh, N. C.
WEAT	John J. Fogarty,...	Tampa, Fla.	WHM	Galveston Tribune,...	Galveston, Tex.	WLA	Johnson Radio Co.,	Lincoln, Nebr.
WEAU	Davidson Bros. Co.,	Sioux City, Iowa	WHN	Ocean City Yacht Club,	Ocean City, N. J.	to WLAG	Cutting & Washington Radio Corp.,	Minneapolis, Minn.
WEAV	Sheridan Electric Service Co.,	Rushville, Nebr.	WHI	Mrs. Robert E. Zimmerman,	Vinton, Iowa	WLAH	Samuel Wordworth,...	Syracuse, N. Y.
WEAW	Arrow Radio Laboratories,	Anderson, Ind.	WIA	Gustav A. De Cortin, New Orleans, La.	New Orleans, La.	to WLAJ	Waco Electrical Supply Co.,	Waco, Texas
to WEAN	T. J. M. Daly,...	Little Rock, Ark.	WIAH	Continental Radio & Mfg. Co.,	Newton, Iowa	WLAK	Vermont Farm Machine Corp.,	Bellevue Falls, Vt.
WEAY	Will Horwitz, Jr.,	Houston, Tex.	WIAI	Heer Stores Co.,	Springfield, Mo.	WLAL	Tulsa Radio Co.,	Tulsa, Okla.
WEB	Benwood Co.,	St. Louis, Mo.	WIAJ	Fox River Valley Radio Co.,	Neenah, Wis.	WLAM	Morrow Radio Co.,	Springfield, Ohio
WEH	Midland Refining Co.,	Tulsa, Okla.	WIAK	Daily Journal-Stockman,...	Omaha, Neb.	WLAN	Putnam Hardware Co.,	Houlton, Me.
to WEV	Hurlburt-Still Electrical Co.,	Houston, Tex.	WIAQ	School of Engineering & Wisconsin	News, Milwaukee, Wis.	WLAO	Anthracite Radio Shop,...	Seranton, Pa.
WEW	St. Louis University,...	St. Louis, Mo.	WIAS	Leon T. Noel,...	Tarkio, Mo.	WLAJ	W. V. Jordan,...	Louisville, Ky.
to WEY	Cosradio Co.,	Wichita, Kansas	WIAU	American Trust & Savings Bank,	Le Mars, Iowa	WLAQ	A. E. Schilling,...	Kalamazoo, Mich.
to WFAA	Dallas News-Dallas, Texas	Dallas, Tex.	WIAV	New York Radio Laboratories,	Binghamton, N. Y.	WLAR	Mickel Music Co.,	Marshalltown, Iowa
WFAB	Carl F. Woese,...	Syracuse, N. Y.	WIAW	Saginaw Radio & Electric Co.,	Saginaw, Mich.	WLAS	Central Radio Supply Co.,	Hutchinson, Kansas
WFAC	Superior Radio Co.,	Superior, Wis.	WIAZ	Capitol Radio Co.,	Lincoln, Nebr.	WLAT	Radio Specialty Co.,	Burlington, Iowa
WFAD	Watson Weldon Co.,	Salina, Kansas	WIB	Daily Journal-Stockman,...	Omaha, Neb.	WLAV	Electric Shop,...	Pensacola, Fla.
WFAF	H. C. Spratley Radio Co.,	Poughkeepsie, N. Y.	WIC	School of Engineering & Wisconsin	News, Milwaukee, Wis.	WLAW	Police Dept. of New York City,	New York, N. Y.
WFAH	The Radio Engineering Laboratory,	Waterford, N. Y.	WID	Chronicle Publishing Co.,	Marion, Ind.	WLAX	Putnam Electric Co.,	Greencastle, Ind.
WFAI	Electric Supply Co. Port Arthur, Tex.	Hi-Grade Wireless Instrument Co.,	WIE	Paducah Evening Sun,...	Paducah, Ky.	WLB	Northern Commercial Co.,	Fairbanks, Alaska
WFAJ	Hutchinson Electric Service Co.,	Hutchinson, Minn.	WIF	Burlington Hawkeye & Home	Electric Co., Burlington, Iowa	to WLB	University of Minnesota,	Minneapolis, Minn.
WFAQ	Missouri Wesleyan College &	Cameron Radio Co.,	WIG	Leon T. Noel,...	Tarkio, Mo.	WLC	Hamilton Mfg. Co.,	Indianapolis, Ind.
WFAS	United Radio Corp.,	Fort Wayne, Ind.	WIH	American Trust & Savings Bank,	Le Mars, Iowa	WLD	Crosley Mfg. Co.,	Cincinnati, Ohio
to WFAT	Daily Argus Leader,	Sioux Falls, So. Dak.	WII	New York Radio Laboratories,	Binghamton, N. Y.	WLE	Radio Supply Co.,	Oklahoma, Okla.
WFAU	Edwin C. Lewis,...	Boston, Mass.	WIM	Saginaw Radio & Electric Co.,	Saginaw, Mich.	WLF	J. Edw. Page (Clive B. Meredith),	Cazenovia, N. Y.
to WFAV	University of Nebraska, Lincoln, Neb.	Lincoln, Neb.	WIN	Capitol Radio Co.,	Lincoln, Nebr.	WMAD	Atchinson County Mail,	Rock Port, Mo.

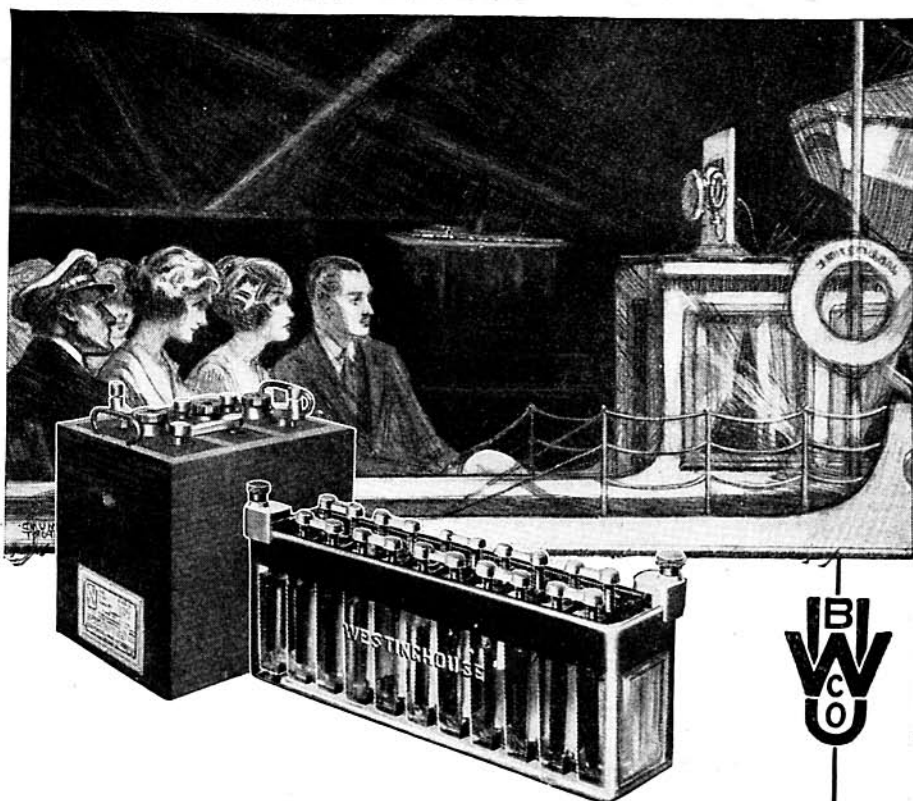
(Continued on page 2171)

Note 4.—Mobile service on the 667 kc/s (450 meter) wave is to be stopped between 7 and 11 p. m. local standard time, and to be transferred in so far and as soon as practicable, to wave frequencies between 500 and 375 kc/s (wave-lengths between 600 and 800 meters).

Complete List of Broadcasting Stations in the United States

(Continued from page 2096)

Call	Name	City and State
WMAF	Round Hills Radio Corp.,	Dartmouth, Mass.
WMAH	Tucker Electric Co.,	Liberal, Kans.
WMAH	General Supply Co.,	Lincoln, Nebr.
†WMAJ	Drovers Telegram Co.,	Kansas City, Mo.
WMAK	Norton Laboratories,	Lockport, N. Y.
WMAK	Trenton Hardware Co.,	Trenton, N. J.
†WMAK	Beaumont Radio Equipment Co.,	Beaumont, Texas
WMAN	Broad St. Baptist Church,	Columbus, Ohio
WMAK	Utility Battery Service,	Easton, Pa.
WMAQ	The Fair Corp. & Chicago Daily News,	Chicago, Ill.
WMAR	Waterloo Electrical Supply Co.,	Waterloo, Iowa
†WMAT	Paramount Radio Corp.,	Duluth, Minn.
†WMAV	Alabama Polytechnic Inst.,	Auburn, Ala.
WMAW	Wahpeton Electric Co.,	Wahpeton, N. Dak.
WMAX	K & K Radio Supply Co.,	Ann Arbor, Mich.
WMAY	Kingshighway Presbyterian Church,	St. Louis, Mo.
WMAZ	Mercer University,	Macon, Ga.
WMB	Auburn Electrical Co.,	Auburn, Me.
†WMH	Precision Equipment Co.,	Cincinnati, Ohio
WMU	Doubleday-Hill Electric Co.,	Washington, D. C.
WNAB	Park City Daily News,	Bowling Green, Ky.
WNAC	Shepard Stores,	Boston, Mass.
WNAD	Oklahoma Radio Engineering Co.,	Norman, Okla.
†WNAF	Enid Radio Distributing Co.,	Enid, Okla.
WNAG	Rathert Radio & Electric Shop,	Cresco, Iowa
WNAH	Wilkes-Barre Radio Repair Shop,	Wilkes-Barre, Pa.
WNAJ	Benson Co.,	Chicago, Ill.
WNAK	Manhattan Radio Supply Co.,	Manhattan, Kan.
WNAL	R. J. Rockwell,	Omaha, Nebr.
WNAM	Ideal Apparatus Co.,	Evansville, Ind.
WNAN	Syracuse Radio Telephone Co.,	Syracuse, N. Y.
WNAP	Wittenberg College,	Springfield, Ohio
WNAQ	Charleston Radio Electric Co.,	Charleston, S. C.
WNAR	C. C. Rhodes,	Butler, Mo.
WNAS	Texas Radio Corp. & Austin Statesman,	Austin, Tex.
WNAT	Lennig Bros. Co.,	Philadelphia, Pa.
WNAV	Peoples Telephone & Telegraph Co.,	Knoxville, Tenn.
WNAW	Peninsular Radio Club,	Fort Monroe, Va.
WNAX	Dakota Radio Apparatus Co.,	Yankton, S. D.
WNAY	Ship Owner's Radio Service,	Baltimore, Md.
WNJ	Shotton Radio Mfg. Co., Inc.,	Albany, N. Y.
WNO	Wireless Telephone Co. of Hudson County, N. J.,	Jersey City, N. J.
WOAA	Dr. Walter Hardy,	Ardmore, Okla.
WOAB	Valley Radio,	Grand Forks, N. D.
WOAC	Maus Radio Co.,	Lima, Ohio
WOAD	Friday Battery & Elec. Co.,	Sigourney, Iowa
WOAE	Midland College,	Fremont, Nebr.
WOAF	Tyler Commercial College,	Tyler, Texas
WOAG	Apollo Theatre,	Belvedere, Ill.
WOAH	Palmetto Radio Corp.,	Charleston, S. C.
WOAI	Southern Equipment Co.,	San Antonio, Tex.
WOAJ	Ervin Electrical Co.,	Parsons, Kan.
WOAK	Collins Hdwe. Co.,	Frankfort, Ky.
WOAL	Wm. E. Woods, Webster Groves, Mo.	Lawrenceburg, Tenn.
WOAN	Vaughn Conservatory of Music,	Lawrenceburg, Tenn.
WOAO	Lyradion Mfg. Co.,	Mishawaka, Ind.
WOAP	Kalamazoo College,	Kalamazoo, Mich.
WOAQ	Portsmouth Radio Assoc.,	Portsmouth, Va.
WOAR	Henry P. Lundskow,	Kenosha, Wis.
WOAS	Bailey's Radio Shop,	Middletown, Conn.



Many summer radio difficulties are often traceable to inefficient batteries rather than to static or instruments.

Westinghouse Radio Batteries, with their superior construction and engineering principles, give you that steady, noiseless, full-powered, even-discharging current so essential to real radio results. They last indefinitely and can be re-charged repeatedly. They are not only the most satisfactory, but the most economical in the long run. Sold by radio dealers and Westinghouse Battery Service Stations everywhere.

Westinghouse "A" Batteries. Slow discharge; long life; 4, 6, 8 volt sizes with 5, 9, and 13 plates per cell to meet various filament requirements. \$16.75 up.

Westinghouse "B" Batteries. The Westinghouse 22-MG-2 (22 volts) is a marvel for positive, quiet, full-powered service. Glass case; visible interior; sealed-in tops. \$8.00. Other styles, too.

WESTINGHOUSE UNION BATTERY CO.
Swissvale, Pa.

WESTINGHOUSE

Radio "A," "B" and "C" BATTERIES

LOUD SPEAKER FOR ANY CRYSTAL SET

By using the STEINMETZ amplifier you can fill the whole room with music and can increase your range up to 1000 miles. \$8.50, remit by check or money order.

Specials for Limited Time Only
Radiotron UV200 Detector Tube, \$3.75. Amplifier tubes, \$4.75. 1½ volt dry cell tubes, \$4.75. Sockets for standard tubes, 50c. Sockets for 1½ volt dry cell tubes, 50c. Standard 2000 ohm phones, \$3.90. 3000 ohm, \$4.90. SUPERIOR crystal sets, \$3.90. Novo 22½ volt "B" Batteries, \$1.50. Rheostats, 50c. Vacuum tube detector sets, \$5.50. Amplifier sets, \$8.50.

This add must accompany order.
Complete instructive catalog 5c at your dealer or Steinmetz Wireless Mfg. Co. 5706 Penn Ave. Pittsburgh, Pa.

The Only Quality 3000-Ohm Guaranteed Head Set for \$5.00
3000 Ohms

TRUE - TONE RADIO MFG. CO.
188 No. La Salle Ave. CHICAGO, ILL.

BETTER PARTS



BETTER SETS

We call them "Better" because all who use them insist that they are.

Bulletin 105 fully describes and illustrates our Complete line.

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Reliable Dealers declare "Master" Receivers to be worthy of their name.

Bulletin 104 illustrates and gives complete details of our Receivers.

Distributed by the best jobbers and dealers everywhere.

Radio Division

UNION CONSTRUCTION COMPANY

Manufacturers "MASTER" Radio Products
Oakland, California



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pioneer manufacturers of
RADIO FREQUENCY AMPLIFYING RECEIVERS

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With scores of illustrations and photographs this book explains in a simple manner the principles of design and construction of radio receivers which result in selective long-distance reception. Full particulars are given, with operating instructions of Radio Guild receivers and parts, including the

NEUTRODYNE—The howl-less wonder.
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THE R.G. 510—Thousand Miles Every Night on the Loop.
MULTI-RANGE COUPLER. Receive the higher wave-lengths.

Send 10c. to cover cost of mailing you a copy.

Read This New Book by KENNETH HARKNESS
(Chief Engineer, The Radio Guild)

"The Theory and Practice of Radio Frequency Amplification"

By the author of "The Construction and Operation of Super-Regenerative Receivers." Tells in simple and direct language the theory of radio frequency amplifying circuits. The most complete work on radio frequency ever published. Shows how to construct various types of R. F. amplifiers and receivers including the new NEUTRODYNE receiver. Illustrated with scores of photographs, hook-ups and drawings. Tells you how to make an oscillator covering all wave-lengths. For the first time complete details are given, with photographs, of the construction of the best types of R. F. transformers. Send for your copy today. Price \$1.00.

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RHAMSTINE* VICTOPHONE A New Loud-Speaker



Price
\$7.50

Complete
with
Phone
Cord

The Victophone is a correctly designed loud-speaking receiver—it requires no battery to operate it. It can be used with any type of horn but it is especially designed to be attached to the tone-arm of various phonographs.

It possesses these superior qualities:

1. Adjustable poles.
2. A venturi opening in the cap correctly designed to increase volume.
3. Rubber gasket between the tone-arm flange and the cap to reduce metallic vibrations.

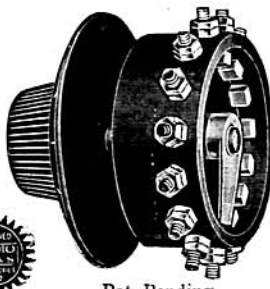
The Victophone is nickel-plated and highly polished. It bears the name Rhamstine*, assuring you of satisfaction in your purchase. Order yours today. Dealers write for discount.

Manufactured by

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2162 E. Larned Street, Detroit, Michigan
*Maker of Radio Products

The H. K. Switch



Pat. Pending

The H. K. Multipoint Switch does away with the difficulty of drilling holes in a panel for switch points, only takes a few minutes to mount. Assures good contact. Is neat in appearance. Contacts are arranged so wires can be attached with ease. 2½ in. Dial, calibrated to show contact in use.

PRICE COMPLETE WITH DIAL \$2.00

Awarded Certificate of Merit 38
by Radio News Laboratories.

Special prices to Dealers and Jobbers.

KNOOP & PENCE CO.

PEOTONE, ILL.

Call	Name	City and State
WOAT	Boyd M. Hamp...	Wilmington, Del.
WOAU	Sowder Bolling Piano Co.,	Evansville, Ind.
WOAV	Second Battalion, 112th Inf.,	P.N.G., Erie, Pa.
WOAW	Woodmen of the World, Omaha,	Nebr.
WOAX	Franklyn J. Wolff (Monument Pottery Co.)	Trenton, N. J.
WOAY	John M. Wilder...	Birmingham, Ala.
WOAZ	Penick Hughes Co.	Stamford, Texas
*toWOC	Palmer School of Chiropractic,	Davenport, Iowa
WOE	Buckeye Radio Service Co.,	Akron, Ohio
WOH	Hatfield Electric Co.	Indianapolis, Ind.
†WOI	Iowa State College...	Ames, Iowa
WOK	Arkansas Light & Power Co. (Pine Bluff Co.)	Pine Bluff, Ark.
*toWOO	John Wanamaker...	Philadelphia, Pa.
†WOQ	Western Radio Co.	Kansas City, Mo.
*WOR	L. Bamberger & Co.	Newark, N. J.
†WOS	Missouri State Marketing Bureau,	Jefferson City, Mo.
†WOU	Metropolitan Utilities District,	Omaha, Nebr.
†WOZ	Palladium Printing Co.	Richmond, Ind.
†WPA	Fort Worth Record...	Fort Worth, Tex.
WPAA	Anderson & Webster Elec. Co.,	Wahoo, Nebr.
WPAB	Pennsylvania State College,	State College, Pa.
WPAC	Donaldson Radio Co.	Oklmulgee, Okla.
WPAD	W. A. Wieboldt & Co.	Chicago, Ill.
WPAF	Peterson Radio Co.	Council Bluffs, Ia.
WPAQ	Central Radio Co.	Independence, Ill.
*toWPAH	Wisconsin Department of Markets,	Waupaca, Wis.
WPAJ	Doolittle Radio Corp.,	New Haven, Conn.
†WPAK	North Dakota Agricultural College,	Agricultural College, N. D.
WPAL	Superior Radio & Tel. Equipment Co.,	Columbus, Ohio
WPAM	Auerbach & Guettel...	Topeka, Kans.
WPAP	Theodore D. Phillips...	Winchester, Ky.
WPAQ	General Sales & Engineering Co.,	Frostburg, Md.
WPAR	R. A. Ward...	Beloit, Kans.
WPAS	J. & M. Electric Co.	Amsterdam, N. Y.
WPAT	St. Patrick's Cathedral	El Paso, Texas
†WPAU	Concordia College...	Moorhead, Minn.
WPAV	Paul Tinetti & Sons...	Laurium, Mich.
WPAW	Radio Installation Co.,	Wilmington, Del.
WPAX	S W Radio Co. (J. R. Shumate, Jr.),	Thomasville, Ga.
WPE	Central Radio Co.	Kansas City, Mo.
WPG	Nushawg Poultry Farm,	New Lebanon, Ohio
WPI	Electric Supply Co.	Clearfield, Pa.
WPI	St. Joseph College...	Philadelphia, Pa.
WPM	Thomas J. Williams,	Washington, D. C.
WPO	United Equipment Co.	Memphis, Tenn.
WQAA	Horace A. Beale, Jr.	Parkesburg, Pa.
WQAB	Southwest Missouri State Teachers' College	Springfield, Mo.
WOAC	E. B. Gish...	Amarillo, Tex.
WQAE	Moore Radio News Station (Edmund B. Moore)	Springfield, Vt.
WQAK	Appel-Higley Electric Co.,	Dubuque, Iowa
WQAL	Coles County Telephone & Telegraph Co.	Mattoon, Ill.
WQAO	West Texas Radio Co.	Abilene, Texas
WQAY	Gaston Music & Furniture Co.,	Hastings, Nebr.
WRAA	Rice Institute...	Houston, Texas
WRAN	Black Hawk Electrical Co.,	Waterloo, Iowa
WRAR	Jacob C. Thomas...	David City, Nebr.
WRAU	Amarillo Daily News...	Amarillo, Tex.
WRAY	Radio Sales Corp.	Scranton, Pa.
WRK	Doron Bros. Elec. Co.	Hamilton, Ohio
WRL	Union College...	Schenectady, N. Y.
WRM	University of Illinois...	Urbana, Ill.
WRP	Federal Institute of Radio Telegraphy	Camden, N. J.
†WRR	City of Dallas, Police & Fire Signal Dept.	Dallas, Texas
WRW	Tarrytown Radio Research Laboratory	Tarrytown, N. Y.
WSAI	Grove City College...	Grove City, Pa.
WSAS	Bureau of Markets, State Dept. of Agr.	Lincoln, Nebr.
WSAT	Plainview Electric Co.	Plainview, Tex.
WSAV	Clifford W. Vick Radio Const. Co.,	Houston, Texas
*toWSB	Atlanta Journal...	Atlanta, Ga.
WSL	J & M Electric Co.	Utica, N. Y.
WSN	Ship Owners Radio Service, Inc.,	Norfolk, Va.
WSX	Erie Radio Co.	Erie, Pa.
†WSY	Alabama Power Co.	Birmingham, Ala.
WTAC	Penn Traffic Co.	Johnstown, Pa.
WTAU	Ruegg Battery & Electric Co.,	Tecumseh, Nebr.
WTAW	Agricultural & Mechanical College,	College Stations, Tex.
*toWTG	Kansas State Agricultural College,	Manhattan, Kansas
WTP	George M. McBride...	Bay City, Mich.
WWAC	Sanger Bros.	Waco, Texas
WWAD	Wright & Wright, Inc.,	Philadelphia, Pa.
WWAX	Wormser Bros.	Laredo, Texas
WWB	Daily News Printing Co.	Canton, Ohio
WWI	Ford Motor Co.	Dearborn, Mich.

Call	Name	City and State
*toWWJ	Detroit News.....	Detroit, Mich.
WWL	Loyola University.....	New Orleans, La.
WWT	McCarthy Bros. & Ford.....	Buffalo, N. Y.
WWZ	John Wanamaker.....	New York, N. Y.

An additional list of new broadcasting stations licensed since the date of this revised list, appear on page 2176 of this issue.

A CLEVER STUNT

Radio reception has been greatly simplified in Backus, Minnesota. If the Backus resident is a telephone subscriber he just takes his telephone receiver from the hook and music, drama, sermon or lecture pours out. He has no need to worry about run-down batteries, weak tubes, the intricacies of hook-up or the length or height of his antenna.

Miss Anna Ozier, chief operator for the Backus Telephone Company, recently wrote WGY, the radio broadcasting station of the General Electric, at Schenectady, as follows:

"We have a receiving station here and by putting the horn close to the transmitter and connecting up the farm lines, I have a system now by which the subscribers on our farm lines who have never had an opportunity of getting concerts direct from the air have passed many of these winter evenings enjoying themselves by turn and turn about at the telephone.

"I know of several cases where three or four people have listened in on the same receiver at once. In one case I was surprised by being materially recompensed by a lady who was so much pleased by the concert and the part she thought I took in it, that she brought me a dozen eggs. As she said, it was her way of saying 'thank you'."

MISSISSIPPI RIVER IS LIMIT BETWEEN W AND K CALLS

The Mississippi River is now the dividing line between the "K" calls of the West and the "W" calls of the East, as far as broadcasting stations are concerned. All new calls issued to broadcasting stations east of the Mississippi will begin with "W" and those west with "K," so the stations can be immediately identified as Atlantic or Pacific when the initial letter is heard. The stations already listed under "K" including KDKA will retain their original calls.

ESSAY CONTESTS ON SUBJECTS OF VITAL IMPORTANCE TO THE RADIO INDUSTRY

Valuable Prizes Awarded By American Home and City Beautiful Association Exposition Management.

The management of the American Home and City Beautiful Association Exposition, to be held on the Million Dollar Pier, Atlantic City this summer, has completed arrangements for conducting a nationwide essay contest on the following subjects:

THE BEST WAY TO EDUCATE THE PUBLIC ON RADIO, WHY RADIO SHOULD BE IN EVERY HOME, AND HOW IT CAN BE DONE, WHO SHALL CARRY ON AND PAY FOR FUTURE BROADCASTING, AND THE COMPLETE RADIO SET AS THE LOGICAL INSTALLATION.

The following men prominently identified with the radio industry have been invited to be represented on the Board of Judges for awarding prizes to winning contestants:

Dr. De Forest of De Forest Company of Newark, N. J.

Paul Godley, Adams Morgan Company, Upper Montclair, N. J.

A. H. Grebe, The Grebe Company, Jamaica, L. I.

General J. G. Harvord, Radio Corporation of America.

David Sarnoff, Radio Corporation of America.

P. Boucheron, Radio Corporation of America.

M. P. Rice, General Electric Company.



3-Step Radio Frequency
Amplifier Detector Set

Price \$110.00
Without accessories

Be Sure to Hear the Ware AD2 Before Buying a Receiver

The WARE AD2 Receiver is so simple in operation that the novice masters it with ease, yet so scientifically designed that it meets every demand of the most critical radio expert.

Special Features:

Reproduces the finest tone qualities.

Famous for its remarkable sensitivity. Catches the faintest signals from great distances on indoor loop, in many cases up to 3000 miles.

Eliminates interference to an amazing degree.

Only two simple operating adjustments.

Distinctly a loop receiver, but may be used with outdoor aerial.

Every instrument fully guaranteed.

See it at Your Dealers—or Send for Descriptive Folder.

If your dealer has none in stock, order direct from us.

TO THE DEALER: If you are not acquainted with the Ware AD2 Receiver, let us send you full information. Its ready sale makes it a profitable dealers' proposition.

WARE RADIO CORP'N

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At Prices to You Less Than Dealers' Cost

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A Few of the Many Duck Products at Startling Prices:
Rheostat, 70c; Bakelite Moulded Positive contact, 70c; Bakelite Moulded dial, 55c; superselective moulded variometer, \$4.65, worth \$8.00; radio frequency potentiometer, \$1.15; solid mahogany form variometer, \$3.60; 43-plate panel-type variable condenser, pigtail connection, \$3.15; detector panel, \$5.25; receiving set, mahogany cabinet, detector and two stages of audio frequency, \$59.50; radio frequency receiving set with one-step radio and detector, \$29.75.

Send 25 Cents In coin or money order for our big 256 pp. combined Radio Catalog and Text Book. For radio information and hook-ups it is worth many times the retainer asked.

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231-233 Superior St., Toledo, Ohio



DUCK'S NEW PANEL TYPE VARIABLE CONDENSER

acclaimed by all that have seen it to be the peer of any on the market. Pigtail connections, i. e., no sliding contacts. Base and top moulded bakelite. Aluminum separators, i. e., even spacing and simple means of adjusting plates. Mounting screws furnished. Concealed by dial. Brass bearings: 1/4" shaft.