



BURGESS INDEX of RADIO BROADCASTING STATIONS

Record and Atlas

Published by

BURGESS BATTERY COMPANY



PRICE 25



CONCERNING

BURGESS BATTERIES

The unique position of esteem and confidence occupied by Burgess Radio Batteries is a natural development of the conservative policy which has characterized the manufacture, advertising and sale of Burgess products.

Of interest, perhaps, to the thinking battery buyer is the fact that no Burgess product is advertised or sold until its merit has been proven, not only by our own rigid tests, but also those of the foremost radio engineers, manufacturers and experimenters in the country.

Through friendly criticism and suggestions, together with extensive research and engineering by the C. F. Burgess Laboratories, the efficiency of Burgess Batteries has increased to a degree which we believe is not equalled elsewhere.

Ask Any Radio Engineer

BURGESS BATTERY COMPANY

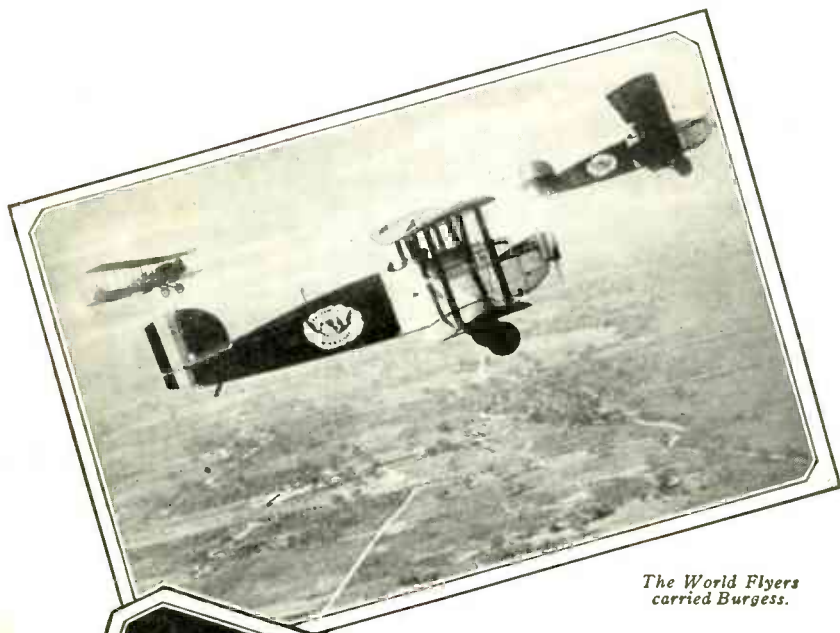
ENGINEERS . . . **DRY BATTERIES** . . . MANUFACTURERS
FLASHLIGHT . . . RADIO . . . IGNITION . . . TELEPHONE
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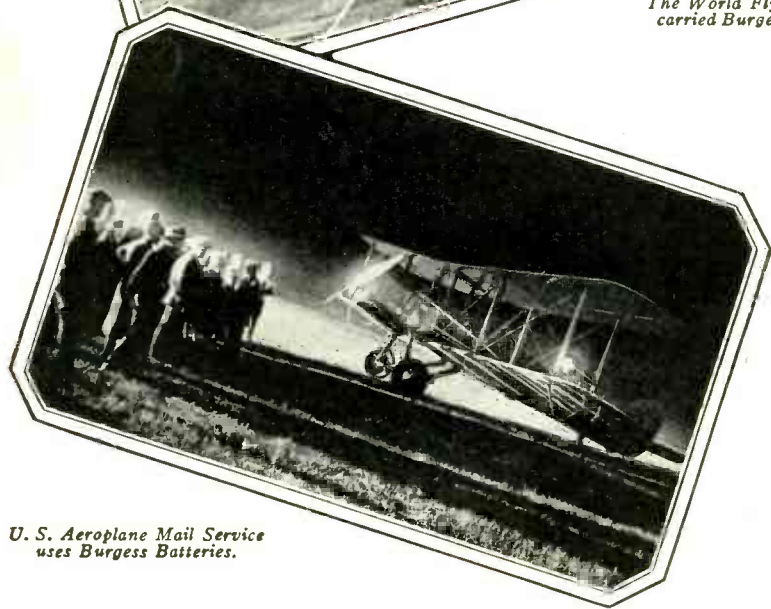
NEW YORK BOSTON KANSAS CITY MINNEAPOLIS
WASHINGTON PITTSBURGH ST. LOUIS NEW ORLEANS

IN CANADA

PLANTS: NIAGARA FALLS AND WINNIPEG
BRANCHES: TORONTO, MONTREAL, ST. JOHN



*The World Flyers
carried Burgess.*



*U. S. Aeroplane Mail Service
uses Burgess Batteries.*

UNITED STATES BROADCASTING STATIONS

Call Sign.	LOCATION	NAME	Wave Length	Power (Watts)	LOG
KDKA	E. Pittsburgh, Pa.	Westinghouse El. Mfg. Co.	309.1	(1)	
KDYL	Salt Lake City, U.	Newhouse Hotel	246	50	
KFAB	Lincoln, Nebr.	Nebraska Buick Auto Co.	340.7	1000	467 2/3 480 40
KFAD	Phoenix, Ariz.	McArthur Bros. Co. and Electrical Equip. Co.	273	100	
KFAF	San Jose, Cal.	Alfred E. Fowler	217.3	50	
KFAU	Boise, Idaho	Boise High School	280.2	750	
KFBB	Havre, Mont.	F. A. Buttrey Co.	275	50	
KFBG	San Diego, Cal.	W. K. Azbill	224	50	
KFBK	Sacramento, Cal.	Kimball-Upson Co.	248	100	
KFBL	Everett, Wash.	Leese Brothers	224	100	
KFBS	Trinidad, Colo.	School Dist. No. 1.	238	15	
KFBU	Laramie, Wyo.	The Cathedral	270	500	
KFGB	Phoenix, Ariz.	Nielson Radio Supply Co.	238	50	
KFGF	Walla Walla, Wash.	Frank A. Moore	256	100	
KFDD	Boise, Idaho	St. Michaels Cathedral	278	50	
KFDM	Beaumont, Tex.	Magnolia Petroleum Co.	315.6	500	
KFDX	Shreveport, La.	First Baptist Church	250	100	
KFDY	Brookings, S. D.	S. D. State College	273	100	
KFDZ	Minneapolis, Minn.	Harry O. Iverson	231	10	
KFEG	Portland, Oreg.	Meier & Frank Co.	248	50	
KFEL	Denver, Colo.	Eugene P. O Fallon (Inc.)	254	50	
KFEQ	Oak, Nebr.	Scroggin & Co., Bank	268	500	24 17
KFEY	Kellogg, Idaho	Bunker Hill & Sullivan Mng. & Concentrating Co.	233	10	
KFFP	Moberly, Mo.	First Baptist Church	242	50	
KFFY	Alexandria, La.	Louisiana College	275	50	
KFGQ	Boone, Iowa	Grary Hardware Co.	226	100	
KFH	Wichita, Kans.	Hotel Lassen	268	50	
KFHA	Gunnison, Colo.	West. St. Coll. of Colo.	252	50	
KFHL	Oskaloosa, Iowa	Penn College	240	10	
KFI	Los Angeles, Cal.	Earle C. Anthony (Inc.)	468.5	4000	71 70+
KFIF	Portland, Oregon	Benson Poly. Institute	248	010	

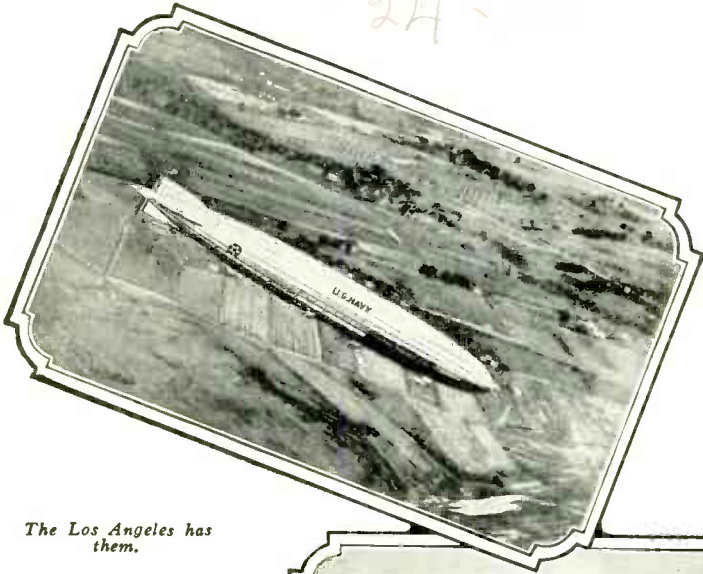
NRRL Madison, Wis. Master Naval Reserve Control Station. Burgess Battery Company.

9EK Madison, Wis. (Amateur Station.) Burgess Battery Company.

9XH Madison, Wis. (Amateur Station.) Burgess Battery Company.

4DM Burgess Island, Bokeelia, Fla. (Am. Sta.) Burgess Battery Company.

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*The Los Angeles has
them.*



*McMillan carries them to
the Arctic*

Index of Radio Broadcasting Stations

Call Sign.	LOCATION	NAME	Wave Length	Power (Watts)	LOG		
KFIO	Spokane, Wash.	North Central High School	272.6	100			
KFIQ	Yakima, Wash.	First Methodist Church	256.3	100			
KFIU	Juneau, Alaska	Alaska Electric Light & Power Company	225.4	10			
KFIZ	Fond du Lac, Wis.	Fond du Lac Commonwealth Reporter	272.6	100			
KFJB	Marshalltown, Iowa	Marshall Electric Co.	247.8	10			
KFJF	Okla. City, Okla.	National Radio Mfg. Co.	260.7	500	37	37.38	29
KFJI	Astoria, Oregon	E. F. Marsh	245.8	10			
KFJM	Grand Forks, N. D.	University of North Dakota	277.6	100			
KFJR	Portland, Oregon	Ashley C. Dixon & Son	263	100			
KFJY	Fort Dodge, Iowa	Tunwall Radio Co.	245.8	50			
KFJZ	Ft. Worth, Texas	W. E. Branch	254.1	50			
KFKA	Greeley, Colo.	Colo. St. Teachers College	272.6	50			
KFKB	Milford, Kans.	J. R. Brinkley, M. D.	431.4	1000	63	64	26 24
KFKU	Lawrence, Kans.	University of Kansas	275.1	500			
KFKX	Hastings, Nebr.	Westinghouse E. & Mfg. Co.	288.3	5000			
KFKZ	Kirksville, Mo.	State Teachers College	225.4	10			
KFLR	Albuquerque, N. M.	University of New Mexico	254.1	100			
KFLU	San Benito, Texas	San Benito Radio Club	236	10			
KFLV	Rockford, Ill.	Swedish Evan. Miss. Ch.	228.9	100			
KFLX	Galveston, Texas	George R. Clough	239.9	10			
KFMR	Sioux City, Iowa	Morningside College	260.7	100			
KFMX	Northfield, Minn.	Carleton College	336.9	50			
KFNF	Shenandoah, Iowa	Henry Field Seed Co.	461.3	1000			
KFOA	Seattle, Wash.	Rhodes Dept. Store	454.3	1000			
KFOB	Burlingame, Calif.	KFOB Incorporated	225.4	50			
KFON	Long Beach, Calif.	Nichols & Warinner, Inc.	232.4	500			
KFOO	Salt Lake City, Utah	Latter Day Saints University	236.1	250			
KFOR	David City, Nebr.	D. C. Tire & Electric Co.	230.6	50			
KFOT	Wichita, Kans.	College Hill Radio Club	230.6	50			
KFOX	Omaha, Nebr.	Technical High School	247.8	100			
KFOY	St. Paul, Minn.	Beacon Radio Service	252	50			
KFPL	Dublin, Texas	G. C. Baxter	252	15			
KFPM	Greenville, Texas	New Furniture Co.	241.8	10			
KFPR	Los Angeles, Calif.	Los A. Co. Forestry Dept.	230.6	500			
KFPW	Cartersville, Mo.	St. Johns M. E. Ch. South	258.5	20			
KFPY	Spokane, Wash.	Symons Investment Co.	272.6	250			
KFQA	St. Louis, Mo.	The Principia	260.7	100			

KFAF - La Cely - 33-31

Call Sign.	LOCATION	NAME	Wave Length	Power (Watts)	LOG
KFQB	Fort Worth, Texas	Lone Star Broadcast Co.	508.2	1000	444 4.3
KFQD	Anchorage, Alaska	Chovin Supply Co.	300	100	
KFQP	Iowa City, Iowa	George S. Carson, Jr.	223.7	10	
KFQU	Holy City, Calif.	W. E. Riker	230.6	100	
KFQW	Seattle, Wash.	Carl F. Knierim	215.7	50	
KFQX	Seattle, Wash.	Alfred M. Hubbard	210	15	
KFQZ	Hollywood, Calif.	Taft Products Co.	225.4	50	
KFRB	Beeville, Texas	Hall Brothers	247.8	250	
KFRC	San Francisco, Calif.	Don Lee, Inc.	267.7	50	
KFRU	Columbia, Mo.	Stephens College	499.7	500	
KFRW	Olympia, Wash.	Western Broadcasting Co.	218.8	50	
KFSD	San Diego, Calif.	Airfan Radio Corp.	245.8	1000	
KFSG	Los Angeles, Calif.	Echo Pk. Evang. Asso.	275.1	500	
KFUL	Galveston, Texas	T. Goggan & Bros. Co.	258.5	50	
KFUM	Colo. Springs, Colo.	W. D. Corley	239.9	100	
KFUO	St. Louis, Mo.	Concordia Seminary	545.1	500	
KFUP	Denver, Colo.	Fitzsimmons General Hosp.	234.2	50	
KFUR	Ogden, Utah	Peery Building Co.	223.7	50	
KFUS	Oakland, Calif.	Louis L. Sherman	256.3	50	
KFUT	Salt Lake City, Utah	University of Utah	263	100	
KFVD	Venice, Calif.	W. J. and C. I. McWhinnie	208	50	
KFVE	St. Louis, Mo.	Benson Broadcasting Corp.	239.9	5000	
KFVG	Independence, Kans.	1st Meth. Epis. Church	236.1	15	
KFVI	Houston, Texas	56th Cavalry Brigade Headquarters Troop	239.9	10	
KFVN	Fairmont, Minn.	Carl E. Bagley	227.1	50	
KFVR	Denver, Colo.	Olinger Corp'n Broadcast- ing	243.8	50	
KFVS	C. Girardeau, Mo.	Cape G. Battery Station	223.7	50	
KFVY	Albuquerque, N. M.	Radio Supply Co.	249.9	10	
KFWB	Hollywood, Calif.	Warner Bros. Pictures (Inc.)	252	500	
KFWC	San Bernardino, Cal.	L. E. Wall	291.1	5	
KFWF	St. Louis, Mo.	St. Louis Truth Center	214.2	250	
KFWH	Eureka, Calif.	F. Wellington Morse, Jr.	254.1	100	
KFWI	San Fran., Calif.	Radio Entertainments (Inc.)	249.9	500	
KFWM	Oakland, Calif.	Oakland Education Society	325.9	500	
KFWO	Avalon, Calif.	Lawrence Mott	211.1	500	38 37
KFWU	Pineville, La.	Louisiana College	238	100	
KFWV	Portland, Oregon	KFWV Broadcast Studios	212.6	100	

KFQB Fort Worth 784 - 80

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Call Sign.	LOCATION	NAME	Wave Length	Power (Watts)	LOG
KFXB	Big Bear Lake, Calif.	Bertram C. Heller	202.6	500	
KFXD	Logan, Utah	Service Radio Co.	205.4	10	
KFXF	Denver, Colo.	Pikes Peak Broadcasting Company	430.1	500	35+35
KFXH	El Paso, Texas	Bledsoe Radio Co.	241.8	50	
KFXJ	Near Edgewater, Colo.	R. C. Howell	215.7	15	
KFXR	Oklahoma C'y, Okla.	Classen Film Finishing Co.	214.2	15	
KFXY	Flagstaff, Ariz.	Harry M. Costigan	205.4	50	
KFYF	Oxnard, Calif.	Carl's Radio Den	214.2	10	
KFYJ	Houston, Texas (portable)	Houston Chronicle Publishing Company	238	10	
KFYO	Texarkana, Texas	Buchanan Vaughan Co.	209.7	10	
KFYR	Bismarck, N. D.	Hoskins-Meyer Inc.	247.8	10	
KGAR	Tucson, Ariz.	Tucson Citizen	243.8	100	
KGBS	Seattle, Wash.	A. C. Dailey	227.1	10	
KGBU	Ketchikan, Alaska	Alaska Radio & Service Co.	228.9	500	
KGBX	St. Joseph, Mo.	Foster Hall Tire Co., Inc.	347.8	30	
KGBY	Shelby, Mont.	Albert C. Dunning	202.6	10	
KGBZ	York, Nebr.	Federal Live Stock Remedy Co.	333.1	100	44-44-20 14
KGCA	Decorah, Iowa	Charles Walter Greenley	280.2	15	
KGCB	Oklahoma C'y, Okla.	Wallace Radio Institute	331	50	
KGCC	Newark, Ark.	Moore Motor Co.	239.9	100	
KGCH	Wayne, Nebr.	Wayne Hospital	434.5	500	
KGCI	San Antonio, Texas	Searcy M. Rhodes	239.9	15	
KGCL	Seattle, Wash.	Louis Wasmer & Archie Taft	238	10	
KGCN	Concordia, Kans.	Alva E. Smith	210	50	
KGCR	Brookings, S. D.	Cutler's Radio Broadcasting Service, Inc.	252		
KGCU	Mandan, N. D.	Mandan Radio Association	285	100	
KGCX	Vida, Mont.	First State Bank	240	7 1/2	
KGDA	Doll Rapids, S. D.	Home Auto Co.	254.1	15	
KGDE	Barrett, Minn.	Jaren Drug Co.	232.4	50	
KGDI	Seattle, Wash.	Northwest Radio Service Co.	416.4	50	
KGDJ	Cresco, Iowa	R. Rathert	202.6	10	
KGDM	Stockton, Calif.	Victor G. Koping	217.3	5	
KGDO	Dallas, Texas	C. H. & Henry Garrett	285	100	
KGDP	Pueblo, Colo.	Pueblo Council, Boy Scouts of America	260.7	10	
KGEA	Seattle, Wash.	Puget Sound Radio Brdc. Co.	345	15	
KGDX	Shreveport, La.	William Antony	291.1		31A 74
KGDY	Oldham, S. D.	J. A. Loesch	210		

Call Sign.	LOCATION	NAME	Wave Length	Power (Watts)	LOG			
KGZD	Decorah, Iowa	Norwegian Lutheran College	431					
KGO	Oakland, Calif.	General Electric Co.	361.2	5000				
KGOR	San Antonio, Texas.	Radio Engineers	240	15				
KGRS	Amarillo, Texas	Gish Radio Service	234.2	100				
KGTT	San Francisco, Calif.	Glad Tidings Temple & Bible Institute	206.8	50				
KGU	Honolulu, Hawaii	Marian A. Mulrony	270.1	500				
KGW	Portland, Oregon	Oregonian Publishing Co.	491.5	1000				
KGY	Lacey, Wash.	St. Martins College	277.6	50				
KHJ	Los Angeles, Calif.	Times-Mirror Co.	405.2	500				
KHQ	Spokane, Wash.	Louis Wasmer	394.5	1000				
KICK	Anita, Iowa	Atlantic Automobile Co.	272.6	100				
KJBS	San Francisco, Calif.	J. Brunton & Sons Co.	234.2	5				
KJR	Seattle, Wash.	Northwest Radio Service Co.	384.4	1000				
KLDS	Independence, Mo.	Reorganized Church of Jesus Christ	440.9	1000				37#29#
KLS	Oakland, Calif.	Warner Bros. Radio Supply Company	249.9	250				
KLX	Oakland, Calif.	Oakland Tribune	508.2	500				
KLZ	Denver, Colo.	Reynolds Radio Co.	265.3	500				51#54#32 30
KMA	Shenandoah, Iowa	May Seed & Nursery Co.	461.3	500				58#57
KMJ	Fresno, Calif.	Fresno Bee	234.2	50				
KMMJ	Clay Center, Nebr.	M. M. Johnson Co.	228.9	1000				23#20#26 211
KMO	Tacoma, Wash.	KMO, Incorporated	249.9	100				
KMOX	St. Louis, Mo.	Voice of St. Louis	280.2	1500				3737
KMTR	Hollywood, Calif.	Echophone Mfg. Co.	372.2	500				
KNRC	Santa Monica, Calif.	Clarence B. Juneau	238	500				
KNX	Los Angeles, Calif.	L. A. Evening Express	336.9	1000				
KOA	Denver, Colo.	General Electric Co.	322.4	5000				124#113 42
KOAC	Corvallis, Oregon	Oregon Agricultural College	280.2	500				
KOB	State College, N. M.	N. Mex. College of Agriculture and Mechanical Arts	348.6	1000				47 47
KOCH	Omaha, Nebr.	Omaha Central High School	258.5	250				
KOCW	Chickasha, Okla.	Oklahoma College for Women	252	200				
KOIL	Council Bluffs, Iowa	Moria Motor Oil Co.	305.9	500				31 33
KOIN	Portland, Oregon	KOIN, Incorporated	319	1000				
KOMO	Seattle, Wash.	Birt P. Fisher	305.9	1000				
KOWW	Walla Walla, Wash.	Frank A. Moore	285.5	500				
KPJM	Prescott, Ariz.	Wilburn Radio Service	215	15				
KPO	San Francisco, Calif.	Hale Brothers & The Chronicle	428.3	1000				
KPPC	Pasadena, Calif.	Pasadena Preby. Church	228.9	50				

KM B = h... 31

KGFI Semi gels. KX-21+17.

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Call Sign.	LOCATION	NAME	Wave Length	Power (Watts)	LOG
KPRC	Houston, Texas	Post Dispatch	296.9	500	
KPSN	Pasadena, Calif.	Pasadena Star-News	315.6	1000	
KQV	Pittsburgh, Pa.	Doubleday-Hill Electric Co.	275.1	500	
KQW	San Jose, Calif.	First Baptist Church	331.1	500	
KRAC	Shreveport, La.	Caddo Radio Club	220	50	
KRE	Berkeley, Calif.	Berkeley Daily Gazette	256.3	100	
KRLD	Dallas, Tex.	Dallas Radio Labs., Inc.	353	500	47+47.70
KRSC	Seattle, Wash.	Radio Sales Corp.	499.7	50	43+43
KSAC	Manhattan, Kans.	Kansas St. Agric. College	340.7	500	
KSBA	Shreveport, La.	W. C. Patterson	260.7	1000	
KSD	St. Louis, Mo.	Post Dispatch	545.1	500	
KSEI	Pocatello, Idaho	KSEI Broadcasting Ass'n	260.7	500	
KSL	Salt Lake City, Utah	Radio Service Corp. of Utah	299.8	1000	39+39
KSMR	Santa Maria, Calif.	Santa Maria Valley R. R.	282.8	100	
KSO	Clarinda, Iowa	Berry Seed Co.	405.2	500	58+58
KSOO	Sioux Falls, S. D.	Sioux Falls Broadcast Assn.	360	100	
KTAB	Oakland, Calif.	Associated Broadcasters	302.8	1000	
KTAP	San Antonio, Texas	Robert B. Bridge	263	10	
KTBI	Los Angeles, Calif.	Bible Institute	293.9	750	
KTBR	Portland Oregon	Brown's Radio Shop	263	50	
KTHS	Hot Springs, Ark.	New Arlington Hotel Co.	374.8	500	53+53
KTNT	Muscatine, Iowa	Norman Baker	333.1	1000	44+44
KTUE	Houston, Texas	Uhalt Electric	263	5	
KTW	Seattle, Wash.	First Presbyterian Church	454.3	1000	
KUOA	Fayetteville, Ark.	University of Arkansas	299.8	750	
KUOM	Missoula, Mont.	University of Montana	243.8	500	
KUSD	Vermillion, S. D.	University of South Dakota	277.6	100	
KUT	Austin, Texas	University of Texas	230.6	500	
KVI	Tacoma, Wash.	Fuget Sound Radio Broad- casting Co.	242.5	15	
KVOO	Bristow, Okla.	Southwestern Sales Corp.	374.8	500	53+53 46
KVOS	Seattle, Wash.	L. L. Jackson & L. Kessler	333.1	500	
KWCR	Cedar Rapids, Iowa	H. F. Paar	296	500	
KWG	Stockton, Calif.	Portable Wire Tele. Co.	247.8	50	
KWKC	Kansas City, Mo.	Wilson Duncan Studios	236.1	100	
KWSC	Pullman, Wash.	State College of Washington	348.6	500	
KWTC	Santa Ana, Calif.	Dr. John Wesley Hancock	263	15	
KWUC	Lemars, Iowa	Western Union College	252	50	

KVA - Pocatello, Idaho (7) - 400 (57+57)
 KWKH - Shreveport, La. - 400 (56+)

Call Sign.	LOCATION	NAME	Wave Length	Power (Watts)	LOG
KWWG	Brownsville, Texas	City of Brownsville	277.6	500	
KXL	Portland, Ore.	KXL Broadcasters	400	50	
KXRO	Seattle, Wash.	Brott Laboratories	240	85	
KYA	San Francisco, Calif.	Pacific Broadcasting Co.	413		
KYW	Chicago, Ill.	Westinghouse E. & Mfg. Co.	535.4	3500	87+ 93+ 81 90
KZM	Oakland, Calif.	Preston D. Allen	239.9	100	
WAAD	Cincinnati, Ohio	Ohio Mechanics Institute	258.5	25	
WAAF	Chicago, Ill.	Chicago Daily Drovers Journal	277.6	250	
WAAM	Newark, N. J.	Isaiah R. Nelson	263	500	
WAAT	Jersey City, N. J.	Frank B. Bremer	235	10	
WAAW	Omaha, Nebr.	Omaha Grain Exchange	384.4	500	54+ 55+
WABB	Harrisburg, Pa.	Harrisburg Radio Co.	204	10	
WABF	Pringleboro (Kings-ton), Pa.	Markle Broadcasting Corp.	410.7	500	
WABI	Bangor, Me.	First University Church	239.9	100	
WABO	Rochester, N. Y.	Erickson Electric Co., Inc.	277.6	100	
WABQ	Haverford, Pa.	Haverford College Radio Club	260.7	100	
WABR	Toledo, Ohio	Scott High School	263	50	
WABW	Wooster, Ohio	College of Wooster	206.8	50	
WABX	Mt. Clemens, Mich.	Henry B. Joy	245.8	500	
WABY	Philadelphia, Pa.	John Magaldi, Jr.	241.8	50	
WABZ	New Orleans, La.	Coliseum Pl. Bapt. Ch.	275.1	50	
WADC	Akron, Ohio	Allen T. Simmons	258.5	500	
WAFD	Port Huron, Mich.	Albert B. Parfet Co.	275.1	500	
WAGM	Royal Oak, Mich.	Robert L. Miller	225.4	50	
WAGS	Somerville, Mass.	Willow Garages, Inc.	250	5	
WAHG	Richmond Hill, New York	A. H. Grebe & Co.	315.6	500	
WAIT	Taunton, Mass.	A. H. Waite	228.9	10	
WAIU	Columbus, Ohio	American Ins. Union	293.9	750	37+ 36+
WAMD	Minneapolis, Minn.	Radisson Radio Corp.	243.8	500	
WAPI	Auburn, Ala.	Ala. Polytechnic Institute	461.3	100	
WARC	Medford Hillside, Mass.	American Radio and Research Corporation	260.7	100	
WARS	Brooklyn, N. Y.	Amateur Radio Specialty Co.	295	500	
WASH	Grand Rapids, Mich.	Baxter Laundry Co.	256.3	500	
WATT	Boston, Mass. (portable)	1st Dist. Edison El. Ill. Co.	243.8	100	
WBAA	W. Lafayette, Ind.	Purdue University	272.6	250	
WBAK	Harrisburg, Pa.	Pennsylvania State Police	275.1	500	
WBAL	Baltimore, Md.	Cons. Gas & Elec. Co.	245.8	1000	

Call Sign.	LOCATION	NAME	Wave Length	Power (Watts)	LOG
WBAO	Decatur, Ill.	James Milliken University	270.1	100	
WBAP	Fort Worth, Texas	Carter Publications, Inc.	475.9	1500	77
WBAW	Nashville, Tenn.	Braid Elect. Co. & Waldron Drug. Co.	236.1	100	
WBAX	Wilkes-Barre, Pa.	John H. Stenger, Jr.	256.3	100	
WBBC	Brooklyn, N. Y.	Peter J. Tertan	249.9	100	
WBBL	Richmond, Va.	Grace Covenant Pres. Ch.	228.9	100	
WBBM	Chicago, Ill.	Atlas Investment Co.	225.4	1500	23 19.55 53
WBBP	Petoskey, Mich.	Petoskey High School	238	200	
WBBR	Rossville, N. Y.	Peoples Pulpit Association	416.4	500	
WBBW	Norfolk, Va.	Ruffner Junior High School	221	50	
WBBY	Charleston, S. C.	Washington Lt. Infantry	267.7	10	
WBBZ	Chicago, Ill.	C. L. Carrell (portable)	215.7	50	
WBCN	Chicago, Ill.	Foster & McDonald	265.3	500	
WBES	Takoma Park, Md.	Bliss Electrical School	221.1	100	
WBET	Boston, Mass.	Boston Transcript	384.4		
WBKN	Brooklyn, N. Y.	Arthur Faske	291.1	100	
WBMS	N. Bergon, N. J.	Geo. Julius Schowerer	223.7	10	
WBNY	New York, N. Y.	Baruchrome Corp.	322.4	500	
WBOQ	Richmond Hill, N. Y.	A. H. Grebe & Co.	236.1	100	
WBRC	Birmingham, Ala.	Birmingham Broadcasting Co.	247.8	50	
WBRE	Wilkes-Barre, Pa.	Baltimore Radio Exchange	230.6	100	
WBRL	Tilton, N. H.	Booth Radio Laboratories	365	500	
WBRS	Brooklyn, N. Y.	Universal Radio Mfg. Co.	394.5	100	
WBSO	Wellesley Hills, Mass.	Babson's Statistical Organization	242		
WBT	Charlotte, N. C.	Chamber of Commerce	275.1	250	
WBZ	Springfield, Mass.	Westinghouse El. & Mfg. Co.	333.1	5000	
WBZA	Boston, Mass.	Westinghouse El. & Mfg. Co.	331.1	250	
WCAC	Mansfield, Conn.	Conn. Agricultural College	275.1	500	
WCAD	Canton, N. Y.	St. Lawrence University	263	250	
WCAE	Pittsburgh, Pa.	Kaufmann & Baer Co.	461.3	500	
WCAH	Columbus, Ohio	Entrekin Electric Co.	265.3		
WCAJ	Univ. Place, Nebr.	Nebr. Wesleyan University	254.1	500	
WCAL	Northfield, Minn.	St. Olaf College	336.9	500	45 44.5
WCAM	Camden, N. J.	City of Camden	336.9	250	
WCAO	Baltimore, Md.	Monumental Radio, Inc.	275.1	100	
WCAR	San Antonio, Texas	South. Ra. Corp. of Texas	263	500	
WCAT	Rapid City, S. D.	So. Dakota State School of Mines	39.9	50	

Call Sign.	LOCATION	NAME	Wave Length	Power (Watts)	LOG		
WCAU	Philadelphia, Pa.	Universal Broadcasting Co.	277.6	500			
WCAX	Burlington, Vt.	University of Vermont	249.9	100			
WCAZ	Carthage, Ill.	Carthage College	245.8	50			
WCBA	Allentown, Pa.	Charles W. Heimbach	254.1	15			
WCBD	Zion, Ill.	Wilbur G. Voliva	344.6	5000	46	41	
WCBE	New Orleans, La.	Uhalt Bros. Radio Co.	263	5			
WCBH	Oxford, Miss. (near)	University of Mississippi	241.8	50			
WCBM	Baltimore, Md.	Hotel Chateau (C. Schwartz)	228.9	50			
WCBR	Providence, R. I. (portable)	Charles H. Messter	234.2	100			
WCBS	Portable, First Dist.	H. L. Dewing & C. H. Messter	241.8	250			
WCCO	St. Paul-Minneapolis, Minn. (Anoka)	Washburn-Crosby Co.	416.4	5000			
WCFL	Chicago, Ill.	Chicago Federation of Labor	491.5	1000			
WCFT	Tullahoma, Tenn.	Knights of Pythias Home	252	10			
WCGU	Lakewood, N. J.	Chas. G. Unger	350.6	500			
WCLO	Camp Lake, Wis.	C. E. Whitmore	230.6	50			
WCLS	Joliet, Ill.	WCLS, Inc.	214.2	150	20	15	
WCMA	Culver, Ind.	Culver Military Academy	258.5	500			
WCOA	Pensacola, Fla.	City of Pensacola	252	500			
WCRW	Chicago, Ill.	Clinton R. White	416.4	50			
WCSH	Portland, Me.	H. P. Rines	499.7	500			
WCSO	Springfield, Ohio	Wittenberg College	247.8	100			
WCWK	Ft. Wayne, Ind.	Chester W. Keen	234.2	250			
WCWS	Bridgeport, Conn.	C. W. Selen (portable)	232.4	100			
WCX	Pontiac, Mich.	Det. Fr. Press & Jewett Co. (Combined with WJR)	516.9	5000			
WDAD	Nashville, Tenn.	Dad's Auto Access. (Inc.) and Life & Casualty Ins. Co.	225.4	150			
WDAE	Tampa, Fla.	Daily Times	273	250			
WDAF	Kansas City, Mo.	Kansas City Star	365.6	1000	51	51	
WDAG	Amarillo, Texas	J. Laurance Martin	263	100			
WDAH	El Paso, Texas	Trinity Methodist Church	267.7	50			
WDAY	Fargo, N. D.	Radio Equipment Corp.	260.7	50			
WDBE	Atlanta, Ga.	Gilham Elec. Co., Inc.	270.1	100			
WDBJ	Roanoke, Va.	Richardson-Wayland Electrical Corporation	228.9	50			
WDBK	Cleveland, Ohio	Broz Furniture, Hardware Radio Store	227.1	100			
WDBO	Winter Park, Fla.	Rollins College	239.9	500			
WDBZ	Kingston, N. Y.	Kingston Radio Club	232.4	10			
WDEL	Wilmington, Dela.	Wilmington Elec. Spec. Co.	265.3	100			
WDGY	Minneapolis, Minn.	George W. Young	263	500			

WDFL - Chicago - 75 - 77

Call Sign.	LOCATION	NAME	Wave Length	Power (Watts)	LOG
WDOD	Chattanooga, Tenn.	Chattanooga Radio Co.	256.3	500	
WDRC	New Haven, Conn.	Dcolittle Radio Corporation	267.7	500	
WDWF	Cranston, R. I.	Dutee W. Flint (Combined with WLSI)	440.9	500	
WDWM	Newark, N. J.	Radio Industries Broadcast Co.	280.2	500	
WDXL	Detroit, Mich.	DXL Radio Corp.	296.9	250	
WDZ	Tuscola, Ill.	James L. Bush	277.6	100	
WDZA	Boston, Mass.	Westinghouse El. & Mfg. Co.	333.1		
WEAF	New York, N. Y.	Nat'l Broadcasting Co., Inc.	491.5	5000	
WEAI	Ithaca, N. Y.	Cornell University	254.1	500	
WEAM	N. Plainfield, N. J.	Borough of N. Plainfield	260.7	250	
WEAN	Providence, R. I.	Shepard Co.	367	500	
WEAO	Columbus, Ohio	Ohio State University	293.9	750	
WEAR	Cleveland, Ohio	Willard Storage Battery Co.	389.4	750	
WEAU	Sioux City, Iowa	Davidson Brothers Co.	275.1	100	
WEBC	Superior, Wis.	Walter C. Bridges	241.8	100	
WEBH	Chicago, Ill.	Edgewater Beach Hotel Co.	370.2	2000	2250
WEBJ	New York, N. Y.	Third Avenue Railway Co.	272.6	500	
WEBL	N. Y. (portable)	Radio Corp. of America	225.4	100	
WEBQ	Harrisburg, Ill.	Joseph R. Tate	225.4	10	
WEBR	Buffalo, N. Y.	H. H. Howell	243.8	100	
WEBW	Beloit, Wis.	Beloit College	267.7	500	
WEDC	Chicago, Ill.	Emil Denemark Broadcast- ing Station	249.9	1000	
WEEI	Boston, Mass.	Edison El. Ill. Co. of Boston	348.6	500	
WEHS	Chicago, Ill.	Oliver J. Fordham	202.6	10	
WEMC	Berrien Springs, Mich.	Emmanuel Miss. College	315.6	500	
WENR	Chicago, Ill.	All American Radio Crpr.	265.3	1000	314 291
WEPS	Gloucester, Mass.	Ralph Glendon Matheson	295	100	
WEW	St. Louis, Mo.	St. Louis University	360	1000	
WFAA	Dallas, Texas	Dallas News & Dallas Journal	475.9	500	78 84
WFAM	St. Cloud, Minn.	Times Publishing Co.	272.6	10	
WFAV	Lincoln, Nebr.	University of Nebraska	275.1	500	
WFBC	Knoxville, Tenn.	First Baptist Church	249.9	50	
WFBE	Cincinnati, Ohio	Garfield Place Hotel Co.	232.4	500	
WFBG	Altoona, Pa.	William F. Gable Co.	277.6	100	
WFBJ	Collegeville, Minn.	St. John's University	236.1	100	
WFBL	Syracuse, N. Y.	The Onondaga Co.	252	100	
WFBM	Indianapolis, Ind.	Merchan s. H. & Lt. Co.	268	250	

Call Sign.	LOCATION	NAME	Wave Length	Power (Watts)	LOG
WFBR	Baltimore, Md.	5th Inf. Md. Natl. Guard	254	100	
WFBZ	Galesburg, Ill.	Knox College	254.1	20	
WFCI	Pawtucket, R. I.	Frank Crook, Inc.	258.5	100	
WFDF	Flint, Mich.	Frank D. Fallain	234.2	100	
WFI	Philadelphia, Pa.	Strawbridge & Clothier	394.5	500	
WFKB	Chicago, Ill.	Vesta Battery Corp.	217.3	500	
WFKD	Philadelphia, Pa.	(F. K. Bridgeman) Foulkrod Radio Eng. Co.	249.9	10	
WFRL	Brooklyn, N. Y.	Flatbush Radio Labora- tories	329.5	100	
WGAL	Lancaster, Pa.	Lan. El. Sup. & Cons. Co.	247.8	10	
WGBB	Freeport, N. Y.	Harry H. Carman	243.8	100	
WGBC	Memphis, Tenn.	First Baptist Church	277.6	10	
WGBF	Evansville, Ind.	Finke Furniture Co.	236.1	500	
WGBI	Scranton, Pa.	Scranton Broadcasters, Inc.	239.9	10	
WGBR	Marshfield, Wis.	Geo. S. Ives	228.9	15	
WGBS	Astoria, L. I.	Gimbel Bros.	315.6	500	
WGBU	Fulford-By-The-Sea, Florida	Florida Cities Finance Co.	277.6	500	
WGBX	Orono, Me.	University of Maine	234.2	500	
WGCP	Newark, N. J.	D. W. May (Inc.)	252	500	
WGES	Chicago, Ill.	Coyne Electrical School	315.6	500	
WGHB	Clearwater, Fla.	Fort Harrison Hctal	265.3	500	
WGHP	Detroit, Mich.	George H. Phelps	270.1	1500	
WGMU	Richmond Hill, N. Y. (portable)	A. H. Grebe & Co.	236.1	100	
WGM	Jeanette, Pa.	Verne & Elton Spencer	269		
WGN	Chicago, Ill.	The Chicago Tribune	302.8	1000	3788
WGR	Buffalo, N. Y.	Federal Tel. Mfg. Co.	319	750	
WGST	Atlanta, Ga.	Georgia School of Tech- nology	270.1	500	
WGWB	Milwaukee, Wis.	Radiocast Corp. of Wis.	384.4	1000	
WGY	Schenectady, N. Y.	General Electric Co.	379.5	5000	
WHA	Madison, Wis.	University of Wisconsin	535.4	750	
WHAD	Milwaukee, Wis.	Marquette University & Milwaukee Journal	275.1	500	
WHAM	Rochester, N. Y.	Eastman School of Music	277.6	100	
WHAP	New York, N. Y.	Wm. Taylor Finance Corp.	431.4	1000	
WHAR	Atlantic City, N. J.	F. D. Cooks Sons	275.1	500	
WHAS	Louisville, Ky.	Courier-Journal & Louis- ville Times	399.8	500	
WHAV	Wilmington, Del.	Wilmington Elec. Supply Co.	265.3	100	
WHAZ	Troy, N. Y.	Rensselaer Poly. Institute	379.5	1000	
WHB	Kansas City, Mo.	Sweeney School Co.	365.6	500	545045-13

Call Sign.	LOCATION	NAME	Wave Length	Power (Watts)	LOG		
WHBA	Oil City, Pa.	Shaffer Music House	249.9	10			
WHBC	Canton, Ohio	Rev. E. P. Graham	254.1	10			
WHBD	Bellefontaine, Ohio	Chamber of Commerce	221.1	20			
WHBF	Rock Island, Ill.	Beardsley Specialty Co.	221.1	100			
WHBG	Harrisburg, Pa.	John S. Skane	230.6	20			
WHBL	Chicago, Ill. (port.) 9th Dist.	C. L. Carrell	215.7	50			
WHBM	Chicago, Ill. (port.)	C. L. Carrell	215.7	20			
WHBN	St. Petersburg, Fla.	1st Ave. Methodist Church	238	10			
WHBP	Johnstown, Pa.	Johnstown Auto Co.	256.3	100			
WHBQ	Memphis, Tenn.	St. John's M. E.Ch. South	232.4	50			
WHBU	Anderson, Ind.	Rivera Theatre and Bing's Clothing	218.8	10			
WHBW	Philadelphia, Pa.	D. R. Kienzle	215.7	100			
WHBY	West De Pere, Wis.	St. Norbert's College	249.9	50			
WHDI	Minneapolis, Minn.	Dunwoody Industrial Inst.	277.6	500			
WHEC	Rochester, N. Y.	Hickson Electric Co.	258.5	100			
WHFC	Chicago, Ill.	Triangle Broadcasters	258.5	150			
WHK	Cleveland, Ohio	The Radio Air Service Corp.	272.6	1000			
WHN	New York, N. Y.	George Schubel	361.2	500			
WHO	Des Moines, Iowa	Bankers Life Co.	526	5000	85	875	771
WHOG	Huntington, Ind.	Huntington Broadcasters Assn.	241.8	15			
WHT	Deerfield, Ill.	Radiophone B'c'g Corp.	238 399.8	3500			
WIAD	Philadelphia, Pa.	Howard R. Miller	249.9	100			
WIAS	Burlington, Iowa	Home Electric Co.	254.1	100			
WIBA	Madison, Wis.	Capital Times Studio	236.1	100			
WIBC	Elkin's Park, Pa.	St. Paul's Prot. Epis. Church	221.1	50			
WIBI	Flushing, N. Y.	Frederick B. Zittell, Jr.	218.8	50			
WIBJ	Chicago, Ill. (port.)	C. L. Carrell	215.7	50			
WIBO	Chicago, Ill.	Nelson Brothers	225.4	1000			
WIBR	Weirton, W. Va.	Thurman A. Owings	245.8	50			
WIBS	Elizabeth, N. J. (portable)	Thomas F. Hunter	202.6	10			
WIBU	Poynette, Wis.	The Electric Farm	221.1	20			
WIBW	Chicago, Ill. (portable)	C. L. Carrell	215.7	100			
WIBX	Utica, N. Y.	WIBX, Inc.	234.2	150			
WIBZ	Montgomery, Ala.	A. D. Trum	230.6	10			
WICC	Bridgeport, Conn.	Bridgeport Broadcasting Station	285	500			
WIL	St. Louis, Mo.	St. Louis Star and Benson Radio Co.	285.5	250			

Call Sign.	LOCATION	NAME	Wave Length	Power (Watt)	LOG
WIOD	Miami, Fla.	Carl G. Fisher Co.	247.8	1000	
WIP	Philadelphia, Pa.	Gimbel Bros.	508.2	500	
WJAD	Waco, Texas	Frank P. Jackson	352.7	500	
WJAG	Norfolk, Nebr.	Daily News	270.1	200	
WJAK	Kokomo, Ind.	Kokomo Tribune	254.1	50	
WJAM	Cedar Rapids, Iowa	D. M. Perham	267.7	100	
WJAR	Providence, R. I.	The Outlet Co.	483.6	500	
WJAS	Pittsburgh, Pa.	Pitts. Ra. Supply House	275.1	500	
WJAX	Jacksonville, Fla.	City of Jacksonville	336.9	1000	
WJAZ	Mt. Prospect, Ill.	Zenith Radio Corporation	239.5	1500	31 28 4/11/37 31 31
WJBA	Joliet, Ill.	D. H. Lentz, Jr.	206.8	50	
WJBB	St. Petersburg, Fla.	Financial Journal	254.1	10	
WJBC	La Salle, Ill.	Hummer Furniture Co.	234.2	100	
WJBI	Red Bank, N. J.	Robert S. Johnson	218.8	250	
WJBK	Ypsilanti, Mich.	Ernest F. Goodwin	232.4	10	
WJBL	Decatur, Ill.	W. Gushard Dry Goods Co.	270.1	500	
WJBO	New Orleans, La.	Valdemar Jensen	267.7	100	
WJBR	Omro, Wis.	Omro Drug Store	227.1	50	
WJBT	Chicago, Ill.	John S. Boyd	468.5	500	55 54
WJBU	Lewisburg, Pa.	Bucknell University	211.1	100	
WJBV	Woodhaven, N. J.	Union Course Laboratories	288.3	100	
WJBW	New Orleans, La.	C. Carlson, Jr.	270.1	30	
WJBY	Gadaden, Ala.	Electric Construction Co.	260	30	
WJBZ	Chicago Heights, Ill.	Roland G. Pamler	419.3	100	55 54 5/11/37
WJJD	Moosehart, Ill.	Supreme Lodge, L.O. of M.	370.2	1000	
WJR	Pontiac, Mich.	Jewett Radio & Phone Co. & Det. Free Press (comb. with WC X)	516.9	500	
WJUG	New York City	Uda Benjamin Ross	519.6	250	
WJY	New York, N. Y.	Radio Corp. of America	405.2	1000	
WJZ	New York, N. Y.	Radio Corp. of America	454.3	5000	
WKAF	Milwaukee, Wis.	WKAF Broadcasting Co.	260.7	500	
WKAQ	San Juan, P. R.	Radio Corp. of Porto Rico	340.7	500	
WKAR	E. Lansing, Mich.	Mich. Agric. College	285.5	1000	
WKAV	Laconia, N. H.	Laconia Radio Club (port.)	223.7	50	
WKBA	Chicago, Ill.	Arrow Battery Co.	209.7	200	
WKBB	Joliet, Ill.	Sanders Brothers	282.8	150	
WKBC	Birmingham, Ala.	H. L. Ausley	225.4	50	
WKBE	Webster, Mass.	K. & B. Electric Co.	270.1	100	

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Call Sign.	LOCATION	NAME	Wave Length	Power (Watts)	LOG	
WKBG	Chicago, Ill. (port.)	C. L. Carrell	215.7	100		
WKBH	LaCrosse, Wis.	Galloway Music Co.	249.9	500		
WKBI	Chicago, Ill.	Fred L. Schoenwolf	220	50		
WKBJ	St. Petersburg, Fla.	Gospel Tabernacle, Inc.	280	50		
WKBL	Monroe, Mich.	Monrona Radio Mfg. Co.	252	15		
WKBM	Newburgh, N. Y.	John Willbur Jones	285.5	23		
WKBN	Youngstown, Ohio	Radio Electric Service Co.	360			
WKBO	Jersey City, N. J.	Camith Corporation	303.9	200		
WKBP	Battle Creek, Mich.	Battle Creek Enquirer & News	265			
WKBR	Auburn, N. Y.	Charles J. Heister	225	1000		
WKBS	Galesburg, Ill.	Permill & Nelson	361.2	200		
WKBT	New Orleans, La.	First Baptist Church	252	50		
WKBU	New Castle, Pa. (portable)	Harry K. Armstrong	238	50		
WKBV	Brookville, Ind.	Knox Battery & Elec. Co.	236.1	75		
WKBW	Buffalo, N. Y.	Churchill Evangelistic Assn., Inc.	362.5	1000		
WKBY	Danville, Pa. (portable)	Fernwood Quick	220	50		
WKBZ	Ludington, Mich.	Karl L. Ashbacher	256.3	15		
WKDR	Kenosha, Wis.	Edward A. Dato	428.3	10		
WKJC	Lancaster, Pa.	Kirk Johnson & Co.	258.5	50		
WKRC	Cincinnati, Ohio	Kodel Radio Corporation	422.3	1000		
WKY	Okla. City, Okla.	E. Hull & H. Richards	275.1	100	37	36
WLAC	Nashville, Tenn.	Dad's Auto Access., Inc., and Life & Casualty Ins. Co.	225.4	150		
WLAL	Tulsa, Okla.	First Christian Church	249.9	100		
WLAP	Louisville, Ky.	W. V. Jordan	275.1	20		
WLB	Minneapolis, Minn.	University of Minn.	277.6	500		
WLBC	Muncie, Ind.	D. A. Burton	223.7	50		
WLBE	Brooklyn, N. Y.	J. H. Fruitman	230.6	15		
WLBF	Kansas City, Mo.	Everett L. Dillard	211.1	25		
WLBH	Farmingdale, N. Y.	Joseph L. Lombardi	230	30		
WLB I	East Wenona, Ill.	Aloysius Yarc	296.9	250		
WLB J	Cleveland, Ohio	Henry Grossman	300			
WLB L	Stevens Pcount, Wis.	Wis. Depart. of Markets	277.6	500		
WLB O	Galesburg, Ill.	F. A. Trebbe, Jr.	243			
WLB P	Ashland, Ohio	R. A. Fox	220.4			
WLB Q	Atwood, Ill.	E. Dale Trout	230.6			
WLB R	Belvidere, Ill.	Alford Radio Co.	335			
WLB L	Ithaca, N. Y.	Lutheran Assn. of Ithaca	266	50		

Call Sign.	LOCATION	NAME	Wave Length	Power (Watts)	LOG		
WLIB	Elgin, Ill.	Liberty Magazine	302.8	4000	30	30	
WLIT	Philadelphia, Pa.	Lit Brothers	394.5	500			
WLS	Crete, Ill.	Sears, Roebuck & Co.	344.6	5000	47	45	
WLSI	Cranston, R. I.	Lincoln Studios, Inc. (Combined with WDF)	440.9	500			
WLTS	Chicago, Ill.	Lane Technical High School	258.5	100			
WLW	Cincinnati, Ohio	Crosley Radio Corporation	422.3	5000	63	60	
WLWL	New York, N. Y.	Miss. Soc. of St. Paul the Apos.	384.4	5000			
WMAC	Cazenovia, N. Y.	Clive B. Meredith	275.1	100			
WMAF	Dartmouth, Mass.	Round Hills Radio Corp.	440.9	1000			
WMAK	Lockport, N. Y.	Norton Laboratories	265.3	500			
WMAL	Washington, D. C.	M. A. Lese Co.	293.9	100			
WMAN	Columbus, Ohio	W. E. Heskett (1st Baptist Church)	277.6	50			
WMAQ	Chicago, Ill.	The Chicago Daily News	447.5	1000			
WMAZ	St. Louis, Mo.	Kingshighway Presby. Ch.	247.8	100			
WMAZ	Macon, Ga.	Mercer University	260.7	500			
WMBB	Chicago, Ill.	Amer. Bond & Mtg. Co.	249.9	500	25		
WMBBC	Detroit, Mich.	Mich. Broadcasting Co.	256.3	100			
WMBF	Miami Beach, Fla.	Fleetwood Hotel Corp.	384.4	500			
WMBI	Chicago, Ill.	Moody Bible Inst.	288.3	500			
WMC	Memphis, Tenn.	Commercial Appeal	499.7	1000			
WMCA	Hoboken, N. J.	Greeley Square Hotel Co.	340.7	500			
WMPC	Lapeer, Mich.	First Methodist Church	222				
WMRJ	Jamaica, N. Y.	Peter J. Prinz	227.1	5			
WMSG	New York, N. Y.	Madison Sq. Garden Broad- casting Co.	302.8	500			
WMVM	Newark, N. J.	Edward J. Malone	475.9	500			
WNAB	Boston, Mass.	Shepard Stores	280.2	100			
WNAC	Boston, Mass.	Shepard Stores	280.2	500			
WNAD	Norman, Okla.	University of Oklahoma	254.1	500	24	27	26
WNAL	Omaha, Nebr.	R. J. Rockwell	258.5	50			
WNAT	Philadelphia, Pa.	Lennig Bros. Co.	249.9	100			
WNAX	Yankton, S. Dak.	Dak. Radio Apparatus Co.	243.8	100			
WNBH	New Bedford, Mass.	New Bedford Hotel	247.8	250			
WNJ	Newark, N. J.	Herman Lubinsky	252	500			
WNOX	Knoxville, Tenn.	Peoples Tel. & Tel. Co.	267.7	500			
WNRC	Greensboro, N. C.	Wayne M. Nelson	223.7	10			
WNYC	New York, N. Y.	City of N. Y., Dept. of Plant & Structures	526	1000			
WOAI	San Antonio, Tex.	Southern Equipment Co.	394.5	2000	56	56	56

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Call Sign.	LOCATION	NAME	Wave Length	Power (Watts)	LOG
WOAN	Lawrenceberg, Tenn.	James D. Vaughn	356.4	500	
WOAX	Trenton, N. J.	Franklyn J. Wolff	239.9	500	
WOBB	Chicago, Ill.	Longacre Eng. & Constr. Co.	555.2	5	
WOC	Davenport, Iowa	Palmer Sch. of Chrioprac.	483.6	5000	23+79 18-4
WOCB	Orlando, Fla.	Orlando Broadcasting Co.	293.7	50	
WOCL	Jamestown, N. Y.	A. E. Newton	275.1	15	
WODA	Paterson, N. J.	O'Dea Temple of Music	390.9	250	
WOI	Ames, Iowa	Iowa State College	270.1	750	
WOK	Homewood, Ill.	Neutrowound Ra. Mfg. Co.	217.3	5000	59/60
WOKO	Peekskill, N. Y.	Harold E. Smith	232.4	50	
WOKT	Rochester, N. Y.	Titus-Ets Corporation	340		
WOMT	Manitowoc, Wis.	Mikadou Theatre	254.1	50	
WOO	Philadelphia, Pa.	John Wanamaker	508.2	500	
WOOD	Furnwood, Mich.	Grand Rapids Radio Co.	241.8	500	
WOQ	Kansas City, Mo.	Unity Sch. of Christianity	277.6	1000	
WOR	Newark, N. J.	L. Bamberger & Co.	405.2	500	
WORD	Batavia, Ill.	Peoples Pulpit Association	275.1	5000	
WOS	Jefferson City, Mo.	Mo. State Mktg. Bureau	440.9	500	65+6661-1/1
WOW	Omaha, Nebr.	Woodmen of the World	526	1000	21+7+80 83
WOWO	Fort Wayne, Ind.	Main Auto Supply Co.	227.1	500	
WPAB	Norfolk, Va.	Radio Corp. of Va.	319	100	
WPAK	Agri. Coll., N. Dak.	N. Dak. Agric. College	275.1	50	
WPAP	Cliffside, N. J.	(See WQAO)	361.2	500	
WPCC	Chicago, Ill.	No. Shore Cong. Church	258.5	500	
WPCH	New York, N. Y.	Concourse Radio Corp.	272.6	500	
WPDQ	Buffalo, N. Y.	H. L. Turner	205.4	250	
WPEP	Waukegan, Ill.	Maurice Mayer	212.6	500	
WPG	Atlantic City, N. J.	Municipality of A. City	299.8	5000	
WPRC	Harrisburg, Pa.	Wilson Prtg. & Radio Co.	215.7	100	
WPSC	State College, Pa.	Pennsylvania State College	260.7	500	
WQAA	Parkersburg, Pa.	Horace A. Beale, Jr.	220	500	
WQAE	Springfield, Vt.	Moore Radio News Station	245.8	50	
WQAM	Miami, Fla.	Electrical Equipment Co.	285.5	750	
WQAN	Scranton, Pa.	Scranton Times	249.9	100	
WQAO	Cliffside, N. J.	Calvary Baptist Church (WPAP used when Palisades Amusement Park program is on)	361.2	1000	
WQJ	Chicago, Ill.	Calumet-Rainbo Broadcasting Co.	447.5	1000	

Call Sign.	LOCATION	NAME	Wave Length	Power (Watts)	LOG
WRAF	Laporte, Ind.	The Radio Club (Inc.)	223.7	100	
WRAH	Providence, R. I.	Stanley H. Read	235	150	
WRAK	Escanaba, Mich.	Economy Light Co.	256.3	100	
WRAM	Galesburg, Ill.	Lombard College	243.8	100	
WRAV	Yellow Springs, O.	Antioch College	263	100	
WRAW	Reading, Pa.	Ave. Radio & Elec. Shop.	238	10	
WRAX	Philadelphia, Pa.	Beracah Church, Inc.	267.7	500	
WRBC	Valparaiso, Ind.	Immanuel Lutheran Ch.	277.6	500	
WRC	Washington, D. C.	Radio Corp. of America	468.5	1000	
WRCO	Raleigh, N. C.	Wynne Radio Co.	252	100	
WREC	Coldwater, Miss.	Wooten's Radio & Electric Co.	254.1	10	
WREO	Lansing, Mich.	Reo Motor Car Co.	285.5	500	
WRES	Wollaston, Mass.	Harry Leonard Sawyer	300	100	
WRHF	Washington, D. C.	Radio Hospital Fund	256.3	50	
WRHM	Minneapolis, Minn.	Rosedale Hospital	252	50	
WRK	Hamilton, Ohio	Doron Bros. Elec. Co.	270.1	100	
WRM	Urbana, Ill.	University of Illinois	272.6	500	
WRMU	Richmond Hill, New York	A. H. Grebe & Co.	236.1	100	
WRNY	Caytesville, N. J.	Experimenter Publish. Co.	373.8	500	
WRR	Dallas, Tex.	City of Dallas	245.8	500	2824
WRRS	Racine, Wis.	Racine Radio Co.	360	10	
WRSC	Chelsea, Mass.	Radio Shop	270		
WRST	Bay Shore, N. Y.	Radiotel Manuf'g Co.	215.7	250	
WRVA	Richmond, Va.	Larus & Bros., Inc.	256.3	1000	
WSAI	Mason, Cincinnati, Ohio	U. S. Playing Card Company	325.9	5000	5044
WSAJ	Grove City, Pa.	Grove City College	228.9	250	
WSAN	Allentown, Pa.	Allen. Call Publishing Co.	228.9	100	
WSAR	Fall River, Mass.	Doughty & Welch Elec. Co.	322	100	
WSAV	Houston, Tex.	Clifford W. Vick	247.8	100	
WSAX	Chicago, Ill.	Zenith Radio Corp. (port.)	267.7	100	
WSAZ	Pomeroy, Ohio	Chase Electric Shop	243.8	50	
WSB	Atlanta, Ga.	Atlanta Journal	428.3	1000	
WSBC	Chicago, Ill.	World Battery Co.	288.3	1000	36+ 347 244 21
WSBF	St. Louis, Mo.	Stix, Baer & Fuller	272.6	250	
WSBT	South Bend, Ind.	South Bend Tribune	315	250	
WSDA	New York, N. Y.	Seventh Day Adventist Ch.	263	250	
WSKC	Bay City, Mich.	World's Star Kntg. Co.	260.7	100	

Call Sign.	LOCATION	NAME	Wave Length	Power (Watts)	LOG
WSM	Nashville, Tenn.	Nat'l Life & Accident Co.	282.8	1000	46415
WSMB	New Orleans, La.	Saenger Amusement Co. & Maison Blanche Co.	319	500	42-44-43 112
WSMH	Owasso, Mich.	Shattuck Music House	239.9	20	
WSMK	Dayton, Ohio	S. M. K. Radio Corp.	275.1	500	
WSOE	Milwaukee, Wis.	Sch. of Engineering of Mil.	245.8	500	
WSRO	Hamilton, Ohio	Harry W. Fahrlander	252	100	
WSSH	Boston, Mass.	Tremont Temple Church	260.7	100	
WSUI	Iowa City, Iowa	State University of Iowa	483.6	500	
WSVS	Buffalo, N. Y.	Seneca Vocational School	218.8	50	
WSWS	Batavia, Ill.	Richmond, Harris & Co.	275.1	1000	
WSYR	Syracuse, N. Y.	Clive B. Meredith	352.7	500	
WTAB	Fall River, Mass.	Fall River Herald News	265.3	100	
WTAD	Carthage, Ill.	Robert E. Compton	236.1	50	
WTAG	Worcester, Mass.	Wor. Telegram Pub. Co.	545.1	500	
WTAL	Toledo, Ohio	Toledo Broadcasting Co.	252	10	
WTAM	Cleveland, Ohio	Willard Stor. Battery Co.	389.4	3500	
WTAQ	Eau Claire, Wis.	C. S. Van Gordon	254.1	100	
WTAR	Norfolk, Va.	Reliance Electric Co.	261	100	
WTAW	College Station, Texas	Agricultural and Mechanical College of Texas	270.1	500	
WTAX	Streator, Ill.	Williams Hardware Co.	230.6	50	
WTAZ	Lambertville, N. J.	Thomas J. McGuire	260.7	15	
WTIC	Hartford, Conn.	Travelers Insurance Co.	475.9	500	
WTHO	Ferndale, Mich.	W. J. Thomas Radio Co.	407	50	
WTRC	New York, N. Y.	20th Assembly Dist. Reg. Rep. Club	239.9	50	
WTRL	Midland Park, N. J.	Tech. Radio Lab.	280.2		
WWAE	Plainfield, Ill.	Electric Park	384.4	10	
WWJ	Detroit, Mich.	Detroit News	352.7	1000	42-44-43
WWL	New Orleans, La.	Loyola University	275.1	100	
WWNC	Asheville, N. C.	Asheville Chamber of Commerce	254.1	20	
WWPR	Detroit Mich.	Detroit Police Dept.	300	500	
WWRL	Woodside, N. Y.	Woodside Radio Laboratories	258.5	100	
WWVA	Wheeling, W. Va.	John C. Stroebel	384.6	100	

UNITED STATES BROADCASTING STATIONS

By Location

- ALABAMA**
 AUBURN—WAFI
 BIRMINGHAM—WBRC—
 WKBC
 GADSDEN—WJBY
 MONTGOMERY—WIBZ
- ALASKA**
 ANCHORAGE—KFQD
 JUNEAU—KFIU
 KETCHIKAN—KGBU
- ARIZONA**
 FLAGSTAFF—KFXV
 PRESCOTT—KPJM
 PHOENIX—KFAD-KFCB
 TUCSON—KJAR
- ARKANSAS**
 FAYETTEVILLE—KUOA
 HOT SPRINGS—KTHS
 NEWARK—KGCG
- CALIFORNIA**
 AVALON—KFWO
 BERKELEY—KRE
 BIG BEAR LAKE—KFXB
 BURLINGAME—KFOB
 EUREKA—KFWH
 FRESNO—KMJ
 HOLLYWOOD—KFQZ—
 KFWB-KMTR
 HOLY CITY—KFQU
 LONG BEACH—KFON
 LOS ANGELES—KFI—
 KFPR-KFSG-KHJ-KNX—
 KTBI
 OAKLAND—KFUS-KFWM—
 KGO-KLS-KLX-KTAB—
 KZM
 OXNARD—KFYF
 PASADENA—KPPC-KPSN
 SACRAMENTO—KFBK
 SAN BERNADINO—KFWC
 SAN DIEGO—KFBC-KFSD
 SAN FRANCISCO—KFRC—
 KFWI-KGTT-KJBS—
 KPO-KYA
 SAN JOSE—KFAF-KQW
 SANTA ANA—KWTC
 SANTA MARIA—KSMR
 SANTA MONICA—KNRC
 STOCKTON—KWG-KGDM
 VENICE—KFVD
- COLORADO**
 COLORADO SPRINGS—
 KFUM
 DENVER—KFEL-KFUP—
 KFVR-KFXI-KFXJ—
 KLZ-KOA
 GREELEY—KFKA
 GUNNISON—KFHA
 PUEBLO—KGDV
 TRINIDAD—KFBS
- CONNECTICUT**
 BRIDGEPORT—WCWS—
 WICC
 HARTFORD—WTIC
 MANSFIELD—WCAC
 NEW HAVEN—WDRG
- DELAWARE**
 WILMINGTON—WDEL—
 WHAV
 DISTRICT OF COLUMBIA
 WASHINGTON—WCAP—
 WMAL-WRC-WRHF
- FLORIDA**
 CLEARWATER—WGHB
 FULFORD-BY-THE-SEA—
 WGBU
 JACKSONVILLE—WJAX
 MIAMI—WIOD-WQAM
 MIAMI BEACH—WMBF
 ORLANDO—WOCB
 PENSACOLA—WCOA
 ST. PETERSBURG—WHRN—
 WJBB-WKBJ
 TAMPA—WDAE
 WINTER PARK—WDBO
- GEORGIA**
 ATLANTA—WDBE-WGST—
 WSB
 MACON—WMAZ
- HAWAII**
 HONOLULU—KGU
- IDAHO**
 BOISE—KFAU-KFDD
 KELLOGG—KFEY
 POCATELLO—KSEI
- ILLINOIS**
 ATWOOD—WLBQ
 BATAVIA—WORD-WSWS
 BELVIDERE—WLBR
 CARTHAGE—WCAZ-WTAD
 CHICAGO—KYW-WAAF—
 WBBM-WBBZ-WRCN—
 WCFL-WCRW-WEBH—
 WEDC-WEHS-WENR—
 WFKB-WGES-WGN—
 WHBL-WHBM-WHFC—
 WIBJ-WIBW-WIBO—
 WJBT-WKBA-WKBB—
 WKBI-WLTS-WMAQ—
 WMBB-WMBI-WOBB—
 WPCC-WQJ-WSAX—
 WSBC
 CHICAGO HEIGHTS—WJEB
 CRETE—WLS
 DECATUR—WBAO-WJBL
 DEERFIELD—WHT
 EAST WENONA—WLBI
 ELGIN—WLBI
 GALESBURG—WFBZ—
 WKBS-WRAM-WLBO
 HARRISBURG—WEBQ
 HOMEWOOD—WOK
 JOLIET—WCLS-WJBA—
 WKBB
 LA SALLE—WJBC
 MOOSEHEART—WJJD
 MOUNT PROSPECT—WJAZ
 PLAINFIELD—WWAE
 ROCKFORD—KFLV
 ROCK ISLAND—WHEF
 STREATOR—WTAX
- INDIANA**
 ANDERSON—WBHU
 BROOKVILLE—WKBY
 CULVER—WCMA
 EVANSVILLE—WGBF
 FORT WAYNE—WCWK—
 WOWO
 HUNTINGTON—WHOG
 INDIANAPOLIS—WFBM
 KOKOMO—WJAK
 LAPORTE—WRAF
 MUNCIE—WLBC
 SEYMOUR—WFBE
 SOUTH BEND—WSBT
 VALPARAISO—WRBC
 WEST LAFAYETTE—
 WBAA
- IOWA**
 AMES—WOI
 ANITA—KICK
 BOONE—KFGQ
 BURLINGTON—WIAS
 CEDAR RAPIDS—KWCR—
 WJAM
 CLARINDA—KSO
 COUNCIL BLUFFS—KOIL
 CRESCO—KGDJ
 DAVENPORT—WOC
 DECORAH—KGCA-KGDD
 DES MOINES—WHO
 FORT DODGE—KFJY
 IOWA CITY—KFQP-WSUI
 LE MARS—KWUC
 MARSHALLTOWN—KFJB
 MUSCATINE—KTNT
 OSKALOOSA—KFHL
 SHENANDOAH—KFNF—
 KMA
 SIOUX CITY—KFMR—
 WEAU
- KANSAS**
 CONCORDIA—KGCN
 INDEPENDENCE—KFVG
 LAWRENCE—KFKU
 MANHATTAN—KSAC
 MILFORD—KFKB
 WICHITA—KFH-KFOT
- KENTUCKY**
 LOUISVILLE—WHAS—
 WLAP
- LOUISIANA**
 NEW ORLEANS—WABZ—
 WCBE-WJBO-WJBW—
 WKBT-WSMB-WWL
 PINEVILLE—KFWU
 SHREVEPORT—KFDX—
 KRAC-KSBA-KGDV
- MAINE**
 BANGOR—WABI
 ORONO—WGBX
 PORTLAND—WCSS

MARYLAND
BALTIMORE—WBAL-
WCAO-WCBM-WFBR
TAKOMA PARK—WBES

MASACHUSETTS
BOSTON—WATT-WBZA-
WDZA-WEEI-WNAB-
WNAC-WSSH-WBET
CHELSEA—WRSC
DARTMOUTH—WMAF
FALL RIVER—WSARS-
WTAB
GLOUCESTER—WEPS
MEDFORD HILLSIDES—
WARC
NEW BEDFORD—WNBH
SOMERVILLE—WAGS
SPRINGFIELD—WBZ
TAUNTON—WAIT
WEBSTER—WKBE
WELLESLEY HILLS—
WBSO
WOLLASTON—WRES
WORCESTER—WTAG

MICHIGAN
BATTLE CREEK—WKBP
BAY CITY—WSKC
BERRIEN SPRINGS—
WEMC
DETROIT—WCX-WDXL-
WGHF-WMBC-WWJ-
WWPR
EAST LANSING—WKAR
ESCANABA—WRAK
FERNDALE—WTHO
FLINT—WFDF
FURNWOOD—WOOD
GRAND RAPIDS—WASH
LANSING—WREO
LAPEER—WMPC
LUDINGTON—WKBZ
MONROE—WKBL
MT. CLEMENS—WABX
OWOSSO—WSMH
PETOSKEY—WBBP
PONTIAC—WCX combined
with WJR
PORT HURON—WAFD
ROYAL OAK—WAGM
YPSILANTI—WJRK

MINNESOTA
BARRETT—KGDE
COLLEGEVILLE—WFBJ
FAIRMONT—KFVN
MINNEAPOLIS—KFDZ-
WAMD-WCCO-WDGY-
WHDI-WLB-WRHM
NORTHFIELD—KFMX-
WCAL
ST. CLOUD—WFAM
ST. PAUL—KFOY

MISSISSIPPI
COLDWATER—WREC
OXFORD—WCBH

MISSOURI
CAPE GIRARDEAU—KFVS
CARTERVILLE—KFPW
COLUMBIA—KFRU
INDEPENDENCE—KLDS
JEFFERSON CITY—WOS

KANSAS CITY—KWKC-
WDAF-WHB-WLBF-
WQK
KIRKSVILLE—KFKZ
MOBERLY—KFPF
ST. LOUIS—KFQA-KFUO-
KFVE-KFWF-KMOX-
KSD-WEW-WIL-WMAV-
WSBF
ST. JOSEPH—KGBX

MONTANA
HARVE—KFBB
MISSOULA—KUOM
SHELBY—KGBY
VIDA—KGCC

NEBRASKA
CLAY CENTER—KMMJ
DAVID CITY—KFOR
HASTINGS—KFKX
LINCOLN—KFAB-WFAV
NORFOLK—WJAG
OAK—KFEQ
OMAHA—KFOK-KOCH-
WAAW-WNAL-WOW
UNIVERSITY PLACE—
WCAJ
WAYNE—KGCH
YORK—KGBZ

NEW HAMPSHIRE
LOCANIA—WKAV
TILTON—WBRL

NEW JERSEY
ATLANTIC CITY—WHAR-
WPG
CAMDEN—WCAM
CLIFFSIDE—WPAP-WQAO
ELIZABETH—WIBS
HOBOKEN—WMCA
JERSEY CITY—WAAT-
WKBO
LAKEWOOD—WCGU
LAMBERTVILLE—WTAZ
MIDLAND PARK—WTRL
NEWARK—WAAM-WDWM-
WGCP-WMVM-WNJ-
WOR
N. BERGEN—WBMS
N. PLAINFIELD—WEAM
PATERSON—WODA
RED BANK—WJBI
TRENTON—WOAX
WOODHAVEN—WJBV

NEW MEXICO
ALBUQUERQUE—KFLR-
KFVY
STATE COLLEGE—KOR

NEW YORK
ASTORIA, L. I.—WGBS
AUBURN—WKBR
BAY SHORE—WRST
BROOKLYN—WARS-
WBBC-WBKN-WBRS-
WFRL-WLBE
BUFFALO—WEBR-WGR-
WKBW-WPDQ-WSVS
CANTON—WCAD
CAZENOVIA—WMAC
FARMINGDALE—WLBH
FLUSHING—WIBI
FREEPORT—WGBB

ITHACA—WEAI-WLCI
JAMAICA—WMRJ
JAMESTOWN—WOCL
KINGSTON—WDBZ
LOCKPORT—WMAK
NEWBURGH—WKBM
NEW YORK—WBNY-
WCBS-WEAF-WEBJ-
WEBL-HAP-WHN-
WJUG-WYJ-WJZ-
WKBQ-WLWL-WMSG-
WNYC-WPCH-WSDA-
WTRC
PEEKSKILL—WOKO
RICHMOND HILL—WAHG-
WBOQ-WGMU-WRMU
ROCHESTER—WABO-
WHAM-WHEC-WOKT
ROSSVILLE—WBRR
SCHENECTADY—WGY
SYRACUSE—WFBL-WSYR
TROY—WHAZ
UTICA—WIBX
WOODSIDE—WWRJ

NORTH CAROLINA
ASHEVILLE—WWNC
CHARLOTTE—WBT
GREENSBORO—WNRC
RALEIGH—WRCO
NORTH DAKOTA
AGRICULTURAL COL-
LEGE—WPAK
BISMARCK—KFYR
DEVIL'S LAKE—KDLR
FARGO—WDAY
GRAND FORKS—KFJM
MANDAN—KGCU

OHIO
AKRON—WADC
ASHLAND—WLBP
BELLEFONTAINE—WHBD
CANTON—WHBC
CINCINNATI—WAAD-
WAU-WFBE-WKRC-
WLW-WSAI
CLEVELAND—WDBK-
WEAR-WHK-WTAM
COLUMBUS—WAU-
WLBJ
WCAH-WEAO-WMAN
DAYTON—WSMK
HAMILTON—WRK-WSRO
MASON CITY—WSAI
POMEROY—WSAZ
SPRINGFIELD—WC50
TOLEDO—WABR-WTAL
WOOSTER—WABW
YELLOW SPRINGS—WRAV
YOUNGSTOWN—WKBN

OKLAHOMA
BRISTOW—KV00
CHICKASHA—KOCW
NORMAN—WNAD
OKLAHOMA CITY—KFJF-
KFJR-KGCB-WKY
TULSA—WLAL

OREGON
ASTORIA—KFJI
CORVALLIS—KOAC
PORTLAND—KFEC-KFIF-
KFJR-KFWV-KGW-
KQIN-KTBR-KXL

CANADIAN BROADCASTING STATIONS

Call Letters—Meters Wave Length—Location—Owner
Alphabetically by call signal.

Call Sign.	LOCATION	NAME	Wave Length	Power (Watts)	LOG		
CFAC	Calgary, Alta.	The Calgary Herald	434.5	500			
CFCA	Toronto, Ont.	Star Pub. & Prtg. Co.	356.9	500			
CFCF	Montreal, Que.	Canadian Marconi Co.	410.7	1650			
CFCK	Edmonton, Alta.	Radio Supply Co., Ltd.	516.9	100			
CFCL	Prescott, Ont.	Radio Assn. of Prescott	296.9	50			
CFCN	Calgary, Alta.	W. W. Grant Radio Ltd.	434.5	1800			
CFCQ	Vancouver, B. C.	Spratt-Shaw Radio Co.	410.7	20			
CFCT	Victoria, B. C.	Geo. W. Deaville	329.5	500			
CFCU	Hamilton, Ont.	Jack V. Elliot, Ltd.	340.7	500			
CFCY	Charlottetown, P. E. I.	Island Radio Co.	312.3	50			
CFDC	Vancouver, B. C.	Western Auto Electric Co.	410.7	15			
CFGC	Brantford, Ont.	Brant Radio Sup. Co., Ltd.	297	50			
CFJC	Kamloops, B. C.	N. S. Dagleish & Sons, and Woller & Weller	267.7	50			
CFMC	Kingston, Ont.	Monarch Battery Co.	267.7	20			
CFQC	Saskatoon, Sask	The Electric Shop, Ltd.	329.5	500			
CFRC	Kingston, Ont.	Queen's University	267.7	500			
CFYC	Burnaby, B. C.	Radio Corp. of Vancouver	410.7	1000			
CHCO	Huntsville, Ont.	A. Staples	247.8	5			
CHCS	Hamilton, Ont.	The Hamilton Spectator	340.7	10			
CHCY	Edmonton, Alta.	Int. Bible Students Asso.	516.9	250			
CHIC	Toronto, Ont.	Northern Electric Co., Ltd.	356.9	500			
CHLC	Summerside, P. E. I.	R. T. Holman, Ltd.	267.7	25			
CHNC	Toronto, Ont.	Toronto Radio Research Society	356.9	500			
CHNS	Halifax, N. S.	Halifax Herald and Carleton Hotel	322.4	100			
CHRC	Quebec, Que.		340.7	5			
CHUC	Saskatoon, Sask.	Int'l Bible Students Assn.	329.5	500			
CHWC	Regina, Sask.		296.9	500			
CHXC	Ottawa, Ont.	J. R. Booth, Jr.	434.5	250			
CHYC	Montreal, P. Q.	No. Elec. Co., Ltd.	410.7	750			
CJCA	Edmonton, Alta.	Edmonton Journal, Ltd.	516.7	500			
CJCF	Kitchener, Ont.	O. Rump	247.8	25			
CJGC	London, Ont.	Lon. Free Press Prtg. Co.	329.5	500			
CJKC	Vancouver, B. C.	Pyramid Temple Society	410.7	500			

Call Sign.	LOCATION	NAME	Wave Length	Power (Watts)	LOG		
CJOC	Lethbridge, Alta.	J. E. Palmer	267.9	50			
CJOR	Sea Island, B. C.		291.1	50			
CJSC	Toronto, Ont.	The Evening Telegram	356.9	500			
CJWC	Saskatoon, Sask.	Wheaton Electric Co., Ltd.	329.5	250			
CJYC	Scarboro Sta., Ont.	Universal Radio Co. of Canada, Ltd.	291.1	500			
CKAC	Montreal, P. Q.	LaPresse Pub. Co. Ltd.	410.7	1200			
CKCD	Vancouver, B. C.	Vancouver Daily Province	410.7	1000			
CKCK	Regina, Sask.	Leader Pub. Co. Ltd.	296.9	500			41.37#
CKCL	Toronto, Ont.	The Dom. Battery Co., Ltd.	356.9	500			
CKCO	Ottawa, Ont.	Dr. G. M. Geldert	434.5	100			
CKCW	Burketon Jct., Ont.	Canadian Broadcasting Corporation	329.5	5000			
CKFC	Vancouver, B. C.	First Congregational Ch.	410.7	50			
CKNC	Toronto, Ont.	Canadian National Carbon Company, Ltd.	356.9	500			
CKOC	Hamilton, Ont.	Wentworth Radio Supply Co., Ltd.	340.7	50			
CKPC	Preston, Ont.	Wallas Rues	247.8	7 $\frac{1}{2}$			
CKY	Winnipeg, Man.	Manitoba Tel. System	384.4	500			
CNRA	Moncton, N. B.	Canadian Nat'l Railways	322.4	500			
CNRC	Calgary, Alta.	Canadian Nat'l Railways	434.5	(500) 750			
CNRE	Edmonton, Alta.	Canadian Nat'l Railways	516.9	500			
CNRM	Montreal, P. Q.	Canadian Nat'l Railways	410.7	(1000) 1650			
CNRO	Ottawa, Ont.	Canadian Nat'l Railways	434.5	500			
CNRR	Regina, Sask.	Canadian Nat'l Railways	312.3	500			41.39
CNRS	Saskatoon, Sask.	Canadian Nat'l Railways	329.5	500			
CNRT	Toronto, Ont.	Canadian Nat'l Railways	356.9	500			
CNRV	Vancouver, B. C.	Canadian Nat'l Railways	291.1	500			
CNRW	Winnipeg, Man.	Canadian Nat'l Railways	384.4	500			

By Location—Owners Listed Under Call Letters

ALBERTA
 CALGARY—CFAC-CFCN-CNRC
 EDMONTON—CFCK-CHCY-CJCA-CNRE
 LETHBRIDGE—CJOC
 BRITISH COLUMBIA
 BURNABY—CFYC
 KAMLOOPS—CFJC
 SEA ISLAND—CJOR
 VANCOUVER — CFCQ - CFDC-CJKC-CKCD-CKFC-CNRV
 VICTORIA—CFVT
 MANITOBA
 WINNIPEG—KY-CNRW
 NEW BRUNSWICK
 MONCTON—CNRA

NOVA SCOTIA
 HALIFAX—CHNS

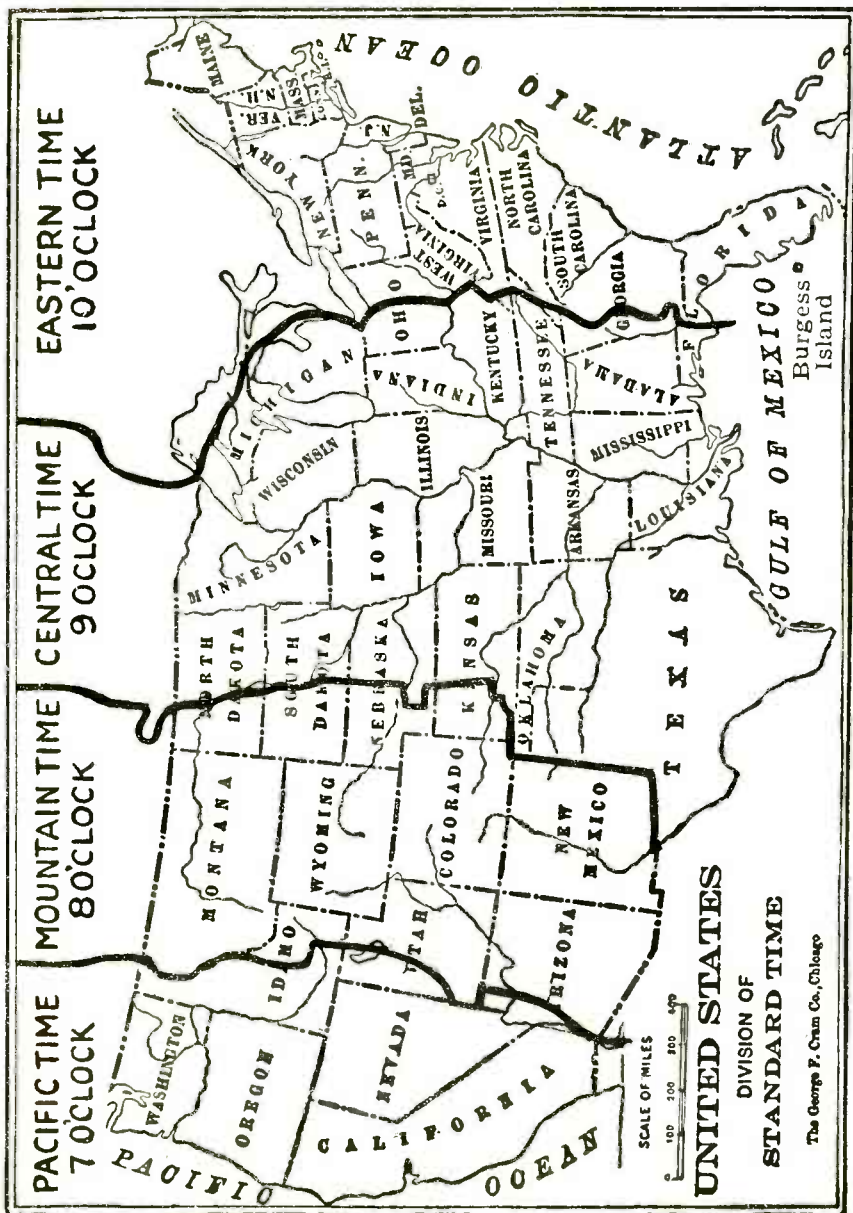
ONTARIO
 BRANTFORD—CFGC
 BURKETON JCT.—CKCW
 HAMILTON—CFCW-CKOC-CHCS
 HUNTSVILLE—CHCO
 OTTAWA—CKCO-CNRO-CHXC
 KINGSTON—CFRC-CFMC
 KITCHENER—CJCF
 LONDON—CJGC
 PRESCOTT—CFCL-CKPC
 SCARBORO STA.—CJYC

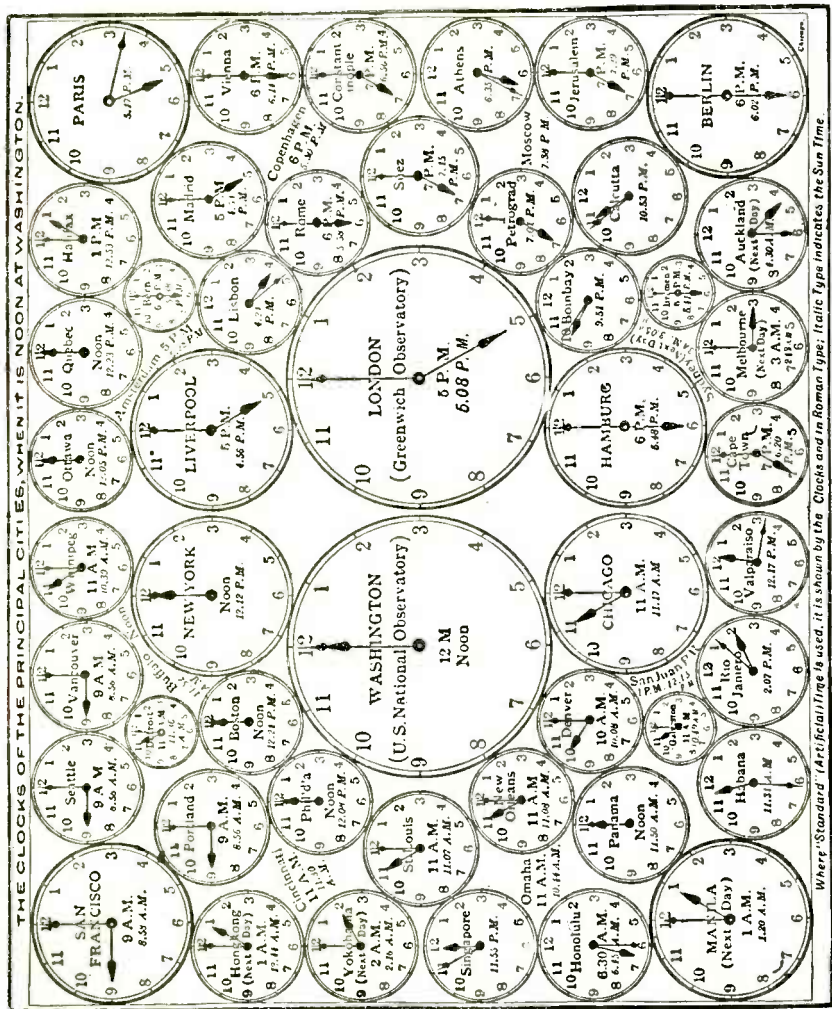
TORONTO—CFCA-CHIC-CHNC-CJSC-CKCL-CKNC-CNRT

PRINCE EDWARD ISLAND
 CHARLOTTETOWN—CFCY
 SUMMERSIDE—CHLC

QUEBEC
 MONTREAL—CFCF-CHYC-CKAC-CNRM
 QUEBEC—CHRC

SASKATCHEWAN
 REGINA—CHWC-CNRR-CKCK
 SASKATOON—CFQC-CHUC-CJWC-CNRS





Where "Standard" (Artificial) Time is used, it is shown by the Clocks and in Roman Type; Italic Type indicates the Sun Time.

DRY CELL BATTERIES IN RADIO

Dry cell batteries are an important part of long distance radio receiving equipment because they are a convenient, economical, and safe source of electrical energy and Burgess Dry Cell Batteries are pre-eminently satisfactory for these purposes.

As is well known, a broadcasting station sends out enormous electrical energy which travels away from the sending antenna at a speed great enough to encircle the earth over seven times in one second. This energy gradually spreads out over an ever increasing circle around the antenna and its strength diminishes rapidly as the distance from the station increases.

With a suitable receiving antenna, either an indoor loop or outside aerial, some of the energy from the sending station can be collected. At distances from the sending station the collected energy is such an infinitesimal quantity that it cannot operate any of the electrical apparatus, such as telephones through which the signals should be heard. If the receiving set can add energy to that obtained from the antenna, it will be possible to operate not only telephones but loud speakers and other devices. Dry cell batteries provide this extra energy, and it is regulated through the receiving set by the sending station energy collected from the antenna.

The throttling or transformation of the battery energy into sound in the headsets, for example, is done by the vacuum tubes in a very involved manner. The "A" or filament battery donates its energy to the set by lighting the filament of the tube and providing a path for the energy from the "B" or plate battery to flow through the tube and to the phones or loud speaker.

For good results through the receiving set, the dry cell batteries must have certain characteristics, for example, a large energy capacity so that they can be used intensively or produce a loud sound, availability to hold their energy and not allow it to leak out even when they are in use, a constancy of delivery of energy so it can be easily and smoothly controlled by the receiving set, a smoothness of discharge into the set to prevent interference with the control.

The energy of a battery is proportional to its voltage and its current. The "A" battery energy is generally provided at a low voltage and a high current. The "B" battery energy, on the other hand, is supplied at a higher voltage and low current; both, however, are necessary in a receiving set. Increasing the "A" battery energy will put more into the set but it will not and cannot replace the "B" battery energy which must also be there in suitable quantity.

Some sets contain several tubes as detectors and amplifiers, but the general conditions above stated always hold true. The several tubes may make it possible to detect smaller antenna energy or obtain a better selection of incoming signals, but to obtain more sound, more energy will always be required, and this means either more batteries or more energy drawn from the batteries.

Dry cell batteries have certain characteristics which should be here mentioned. A dry cell consists of a zinc container filled with active chemicals, in the center of which is a brass-capped carbon rod. The zinc can is the negative (—) pole or electrode and the center carbon is the positive (+) pole or electrode. The voltage of a dry cell is about 1.5 volts when it is not in circuit (open circuit voltage) and it is lower when it is in circuit (closed circuit voltage), depending on the cell resistance and the resistance of the circuit to which it is connected.

"A" BATTERIES

The first vacuum tubes required storage batteries on the "A" or filament circuit because of the large amount of energy required by these tubes. Many tubes are now on the market which operate the entire set on dry cell batteries. The voltage and current requirements of these tubes varies with their type, and information concerning them is furnished with the tube by the manufacturers.

Originally, the ordinary six-inch Ignition Dry Cell was used as an "A" battery with these tubes and with fair success. The Burgess Battery Company, however, as soon as the dry cell vacuum tubes began to appear, saw the need of an improved dry "A" battery. This problem was solved and the Burgess No. 6 Radio "A" Battery is the result.

This battery is especially designed for the "A" circuit of dry cell vacuum tubes and tests have shown that for this purpose it will furnish approximately double the hours of service that will be furnished by an ordinary No. 6 Ignition Cell. Furthermore, after the voltage of this battery has dropped below the tube voltage rating, the battery can be used for ordinary dry cell work.

The unique characteristics of this battery are secured by a special mixture of chemicals, a low resistance lining between the chemicals and the zinc. This battery maintains a high average discharge voltage and currents as high as 0.25 ampere while in service and has but small depreciation or loss of energy when not in use.

"B" BATTERIES

Burgess "B" Batteries are an assembly of small specially designed dry cells soldered together in series to produce the high voltage necessary for the vacuum tube. These batteries have been "the standard of quality in the radio field" since 1917, and the accompanying illustration shows some of the unique construction of these batteries.



"A" is the Burgess one-piece seamless zinc can which requires heavier, more pure and more uniform metal than a soldered can, all of which add to the life of the cell. Also, it prevents any leakage through a weak joint and eliminates voltage differences on the inside of the can, a condition which might cause stray currents and potential differences and results in noisy voltage fluctuations and short-lived battery.

"B" is the moisture-proof wrapper around each cell, one of the ways in which individual insulation is secured.

"C" is a sealing material between cells to provide additional insulation and prevent movement between cells.

"D" is the waterproof partition between cells, another feature in the individual cell insulation and a means of confining internal moisture due to cell discharge within the compartment.

"E" is the heavy waterproof non-metallic insulating material, the first line of defense against moisture getting into the battery. As it is non-conducting, it will not collect stray currents and produce capacity effects between adjacent batteries.

"F" is the heavy triple seal over the top, another factor of safety which adds to the strength of the battery and increases the moisture-proof qualities.

"G" is the webbing between seals, adding to the strength of the top.

The features which cannot be shown in the picture are as good as those enumerated above. They include a special mix or combination of chemicals, the results of much research work, a critical selection of raw materials, the best of manufacturing methods and a most rigid technical control.

All Burgess "B" Batteries embody the same features of construction. There is no difference in the quality of the energy furnished. The largest sizes of batteries give the greatest energy or hours of service. The higher voltage batteries are simply the equivalent of what a radio listener would get by connecting a number of "B" batteries in series. We advise in all cases that single units of 22.5 volts be used in place of the higher voltage units, as this permits a shifting of the various batteries as they become unequally discharged.

"C" BATTERIES

Another type of battery which is coming into more general use is the "C" battery required on some vacuum tubes operating generally as amplifiers. A "C" battery is connected between the filament and the grid to give the grid a different potential or "bias." The requirements of a "C" circuit call for a steady voltage, a low resistance and a long-lived battery, which requirements are amply met in the Burgess "C" Batteries. These batteries are built with the same construction as the Burgess "B" Batteries and have been worked satisfactorily for all "C" use.

RADIO DRY CELL BATTERIES FOR VACUUM TUBES

The tables in the following pages contain data on tubes and batteries obtained from various sources, including test data of the Burgess Battery Company.

For convenience, "B" batteries are classified into three groups according to their weight of 22.5 volt units. Reference in Table IV is to the following:

- 1 lb. class No. 4156 "B" battery.
- 2 lb. class No. 5156, 5158, 5308 "B" battery.
- 5 lb. class No. 2156, 2158, 2306, 2308 "B" battery.
- 7 lb. class No. 10308 "B" battery.

TABLE I
Dry Cell "A" Batteries for Various Vacuum Tubes

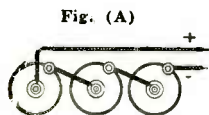
VACUUM TUBE CHARACTERISTICS.	CLASSIFICATION OF TUBES WITH RESPECT TO NECESSARY BATTERIES AND TUBE FILAMENT CURRENT	DRY CELL BATTERY TUBES			Storage Battery Tubes	
		Low Current	High Current			
			UV-199 C-299 DV-3	WD 11 WD 12		UV-201A C-301A DV-2
Vacuum Tube Style Number						
Filament Working Volts	3.0 0.06	1.1	5.0	5.0		
Filament Amperes	(DV-3 0.07)	0.25	0.25	1.0		
Rheostat Ohms	(DV-3A 0.7) 30	6	15 to 30	6		
"A" Battery Volts (Filament Battery)	4.5	1.5	6.0	6.0		
NUMBER OF BURGESS "A" BATTERIES REQUIRED	Number of Series No. 6 "A" Batteries to provide proper voltage	3	1	4		
	Number of Parallel No. 6 "A" Batteries to provide proper current capacity	1 for every 4 tubes	1 for every 1 tube	1 for every 1 tube	Not A Dry Cell Battery Tube.	
	Smallest possible number of No. 6 "A" Batteries	for 1 tube	3 Fig. (A)	1 Fig. (C)		4 Fig. (B)
		for 2 tubes	3 Fig. (A)	2 Fig. (D)		8 Fig. (J)
		for 3 tubes	3 Fig. (A)	3 Fig. (E)		12 Fig. (K)
for 4 tubes		3 Fig. (A)	4 Fig. (F)	16 Fig. (L)		
Smallest possible number of No. 232 or No. 2370 Batteries in parallel.	for 5 tubes	6 Fig. (I)	5 Fig. (G)	20 Fig. (M)		
	for 6 tubes	6 Fig. (I)	6 Fig. (H)	24 Fig. (N)		
			Not used with these Batteries.			

TABLE II
Approximate Hours of Service of "A" Batteries
 Number of batteries and connections as shown in Table I

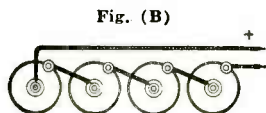
BURGESS BATTERIES	VACUUM TUBE STYLE NUMBER	for	UV-199 C-299 DV-3 DV-3A		WD-11 WD-12		UV-201 A C-301 A DV-2		UV-200 C-300
			Tube Amps.	Hrs.	Tube Amps.	Hrs.	Tube Amps.	Hrs.	
No. 6 "A"		1 tube	0.06	700	0.25	110	0.25	110	Not a Dry Battery Tube.
		2 tubes	0.12	300	0.50	110	0.50	110	
		3 tubes	0.18	180	0.75	110	0.75	110	
		4 tubes	0.24	150	1.00	110	1.00	110	
		5 tubes	0.30	240	1.25	110	1.25	110	
		6 tubes	0.36	180	1.50	110	1.50	110	
No. 232 No. 2370		1 tube	0.06	95	Not used with these Batteries				
		2 tubes	0.12	95					
		3 tubes	0.18	95					
		4 tubes	0.24	95					
		5 tubes	0.30	95					
		6 tubes	0.36	95					

SERIES CONNECTIONS

By connecting the (+) of one cell to the (-) of the next adds the voltages but does not affect the current which can be withdrawn.

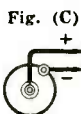


4.5 Volts



6.0 Volts

PARALLEL CONNECTIONS



All 1.5 Volt.



By connecting the (+) of one cell to the (+) of the next and the (-) to the (-) has no effect on the voltages but increases the current which can be withdrawn.

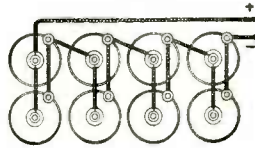
PARALLEL-SERIES CONNECTIONS

Fig. (I)



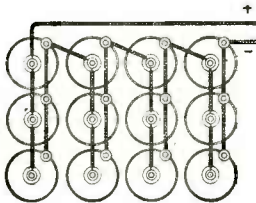
4.5 Volts

Fig. (J)



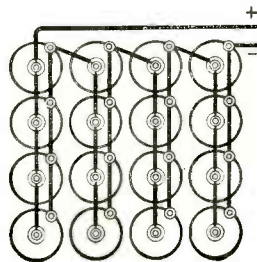
6.0 Volts

Fig. (K)



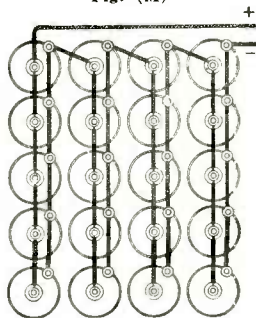
6.0 Volts

Fig. (L)



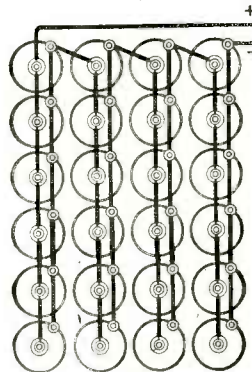
6.0 Volts

Fig. (M)



6.0 Volts

Fig. (N)



6.0 Volts

Parallel-series connections are combinations of parallel and series as indicated above. Table I shows how these connections are used on various tubes.

In determining the current drain for a radio receiver, rough estimates may be obtained by consideration of the average plate current drain of tubes. The only accurate method to determine the current drain is through the use of a milliammeter as discussed below.

Tubes	Av. Plate Voltage	"C" Voltage	Milliamperes Current Drain
UV-199, C-299	19.5	...	0.2
UV-199, C-299	39.0	...	0.9
UV-199, C-299	78	...	3.4
UV-199, C-299	78	3.0	2.2
UV-199, C-299	78	4.5	1.8
UX-201A, CX-301A	19.5	...	0.3
UX-201A, CX-301A	39.0	...	0.9
UX-201A, CX-301A	78	...	3.8
UX-201A, CX-301A	78	3.0	2.0
UX-201A, CX-301A	78	4.5	1.5
UX-200, CX-300A	19.5	...	1.25
UX-200, CX-300A	39	...	1.75

Power amplifiers are operated at a higher plate voltage and require the use of high "C" voltage batteries. The use of recommended "C" voltages should be adhered to at all times, for not only will improved reception result but also greater economy will be effected.

Tubes	Initial Plate Voltage	"C" Voltage	Milliamperes Current Drain
UX-112, CX-112	90	6	2.4
UX-112, CX-112	135	9	5.3
UX-120, CX-220	90	16.5	3.2
UX-120, CX-220	135	22.5	7.0
UX-171, CX-371	90	16.5	11.0
UX-171, CX-371	135	27.0	16.0

The Burgess No. 5156 is provided with sufficient taps to facilitate its use for high "C" voltages. This battery is marked plainly for "C" battery use. In combination with the Burgess No. 5540 the required high "C" voltages may be obtained.

Use a milliammeter to check the actual current drain of a radio set. It is not possible to accurately determine the current by considering the average drain of the tubes. Always use a milliammeter, for it is possible to adjust the "B" and "C" voltages for improved and economical reception. This meter likewise makes it possible to find and check defective units. When used, the milliammeter should be inserted directly in the circuit under observation.

TABLE IV
Approximate Hours of Service of "B" Batteries

Average Service Hours at Various Current Drains	Current Milliamperes	Class of "B" Battery			
		7 Pound	5 Pound	2 Pound	1 Pound
2	2400 Hrs.	1800 Hrs.	900 Hrs.	350 Hrs.	
5	2000 Hrs.	1000 Hrs.	300 Hrs.	100 Hrs.	
8	1250 Hrs.	500 Hrs.	140 Hrs.		
10	1000 Hrs.	400 Hrs.	110 Hrs.		
15	600 Hrs.	230 Hrs.			
20	400 Hrs.	150 Hrs.			
30	215 Hrs.	75 Hrs.			

"B" BATTERIES

No. 4156—22.5 VOLTS

Size—Length, $3\frac{3}{8}$ "; width, 2"; height, $2\frac{1}{2}$ ". 15 cells.
Weight, 1 pound.

Brass post and contacts.

Small, light weight battery of moderate current capacity and a shelf life of over six months. Signal Corps type BA-2. Excellent shelf life and light weight make it adaptable for aeroplane, portable and small cabinet sets.



No. 5156—22.5 VOLTS

Size—Length, $4\frac{1}{8}$ " width, $2\frac{3}{8}$ "; height, $2\frac{3}{4}$ ".
15 cells. Weight, 1 pound, 9 ounces.

Brass posts, contacts and nuts at taps to give 18 and $22\frac{1}{2}$ volts from the negative.

Small, moderate weight battery of medium current capacity and a shelf life of over eight months. Is for use in numerous standard console receiving sets.

Can also be used as grid bias or "C" battery where $-4\frac{1}{2}$, $-16\frac{1}{2}$ or $-22\frac{1}{2}$ volts is required.



No. 5158—22.5 VOLTS

VERTICAL TYPE

Size—Length, $2\frac{1}{2}$ "; width, $2\frac{1}{2}$ "; height, 6". 15 cells.
Weight, 2 pounds.

Brass post and contact with insulated nut terminals.

This battery is designed especially for use in sets employing No. 6 dry cells for filament current. Its dimensions and weight are those of the ordinary No. 6 "A" battery, and this feature of similarity in size makes it possible to place both the "A" and the "B" batteries in the same cabinet without waste of space; to interchange the positions of these batteries in self-contained sets; and to set up a compact unit containing both the "A" and the "B" batteries.



No. 2156—22.5 VOLTS

Size—Length, $6\frac{5}{8}$ "; width, 4"; height, 3". 15 cells. Weight, 5 pounds.

Brass posts, contacts and nuts at negative, plus 18 and plus $22\frac{1}{2}$.

Large block type battery usually referred to as "Navy Type." Especially suited for stationary sets and building up high voltages. Shelf life over one year. Can also be used as grid bias or "C" battery where $-4\frac{1}{2}$ or $-22\frac{1}{2}$ volts is required.



"B" BATTERIES



No. 5308—45 VOLTS

VERTICAL TYPE

Size—Depth, $2\frac{1}{2}$ " ; width, $4\frac{1}{4}$ " ; height, $5\frac{7}{8}$ ". 30 cells.
Weight, $3\frac{1}{4}$ pounds.

Brass posts and contact with insulated nut terminals to give 22.5 and 45 volts from the negative.

A smaller 45-volt battery of light weight for portable sets and convenient dimensions to combine with the No. 6 "A" battery. Shelf life over eight months.

No. 2158—22.5 VOLTS

Size—Length, $4\frac{1}{8}$ " ; width, $3\frac{1}{8}$ " ; height, 7". 15 cells.
Weight, 5 pounds.

Brass post and contact with insulated nut terminals.

Large battery of great current capacity and a shelf life of over one year. For multi-tube sets and regular heavy duty radio use.

The advantage of this battery is that it occupies minimum table space, will fit inside most receiving cabinets, and can be used in any position. Convenient in form for use with dry cell "A" batteries.



No. 2306—45 VOLTS

Size—Length, $7\frac{7}{8}$ " ; width, $6\frac{5}{8}$ " ; height, 3". 30 cells.
Weight, 9 pounds, 10 ounces.

Brass posts, contacts and nuts at negative, plus $22\frac{1}{2}$ and plus 45. Double voltage battery equivalent to two No. 2156 wired in series. Shelf life over one year.

"B" BATTERIES



No. 2308—45 VOLTS

VERTICAL TYPE

Size—Depth, $3\frac{1}{8}$ " ; width, $8\frac{1}{8}$ " ; height, 7". 30 cells. Weight $9\frac{1}{2}$ lbs.

Brass posts and contact with insulated nut terminals to give 22.5 and 45 volts from the negative.

For multi-tube sets and heavy radio duty. Great current capacity. Occupies minimum table space and fits in most receiving sets. Shelf life over one year.

No. 10308—45 VOLTS

Size—Depth, $4\frac{1}{4}$ " ; width, 8" ; height, 7". 30 cells. Weight, 14 lbs.

Brass posts and contact with insulated nut terminals to give 22.5 and 45 volts from the negative.

An "OVERSIZED" "B" battery for sets drawing over 20 milliamperes, and where space is not of importance, gives the longest service in use of any type of "B" battery made. Shelf life over one year.



"A" BATTERIES

No. 6 "A"—1.5 VOLTS

Size— $2\frac{1}{2}$ " diameter; width, $2\frac{1}{2}$ ". 1 cell. Weight, 2 pounds.

Brass binding posts and nuts.

Designed especially for service on the "A" or filament circuit of dry cell vacuum tubes. Will give much more service than an ordinary No. 6 Ignition battery at approximately the same cost and has a rapid recovery to high voltage after short periods of rest with practically no voltage loss when not in use.

This battery is also usable for general purpose service after its voltage has dropped below the operating vacuum tube requirement.



"C" BATTERIES

No. 5360—4.5 VOLTS

Size—Length, $2\frac{7}{16}$ "; width, $1\frac{3}{8}$ "; height, $2\frac{5}{8}$ ". 3 cells.

Weight, 4 ounces.

Binding post terminals, which, with small size, make convenient connections possible in the usual set not already provided with a "C" battery. Cells individually insulated, casing waterproofed. Shelf life over eight months.



No. 2370—4.5 VOLTS

Size—Length, 4"; width, $1\frac{3}{8}$ "; height, 3". 3 cells.

Weight, 1 pound.

Brass posts, contacts and nuts, to give 1.5, 3.0 and 4.5 volts. Largest sized cells. A popular battery because of its size and taps. Shelf life over one year. Can also be used as an "A" battery on some tubes.



No. 5540—7½ VOLTS

Size—Length, 4"; width, $\frac{7}{8}$ "; height, $2\frac{7}{8}$ ". 5 cells.

Weight, 9 ounces.

Brass posts, contacts and nuts and one flexible wire terminal to give 1.5, 3.0, 4.5, 6.0 and 7.5 volts. For use in special cases where high "C" voltage is necessary. Shelf life over eight months.

Special "C" Battery Information

"B" Batteries No. 5156 and 2156 have taps to give $4\frac{1}{2}$ and $22\frac{1}{2}$ volts so they can be used as a "C" battery with power tubes.





**BURGESS UNIPLEX IGNITION AND
TELEPHONE BATTERIES**

ASK ANY RADIO ENGINEER

