

Silvertone



World Wide

Radio Log

Foreign Short Wave Stations
American Short Wave Stations
Standard Broadcast Stations

10¢

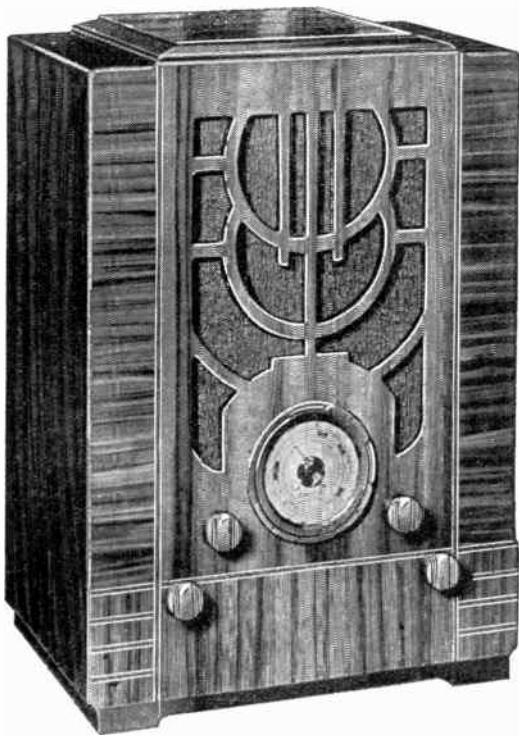
Municipal and State Police Stations
WORLD TIME CHART
News About Favorite Radio Artists

American and Foreign Reception



Big Radio Performance In Table Model Receivers

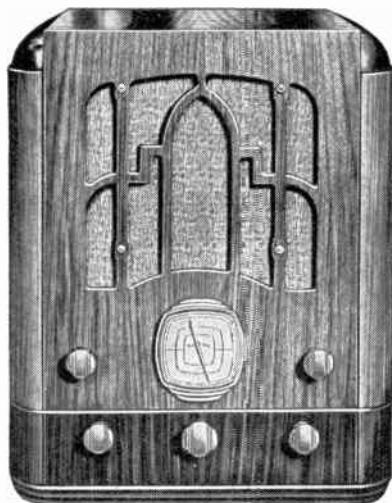
HEAR—London - Berlin - Paris - Madrid - Rome
Caracas and Other Important Foreign Stations



Height 17 $\frac{5}{8}$ inches

MODEL 1805—Silvertone American and Foreign Reception

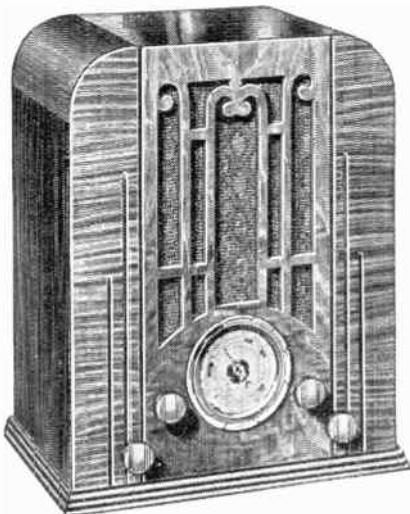
American and Foreign dual wave Receiver with an amazing knack of pulling in the distant and Foreign stations. Reproduction of tone and speech is exceptionally lifelike due to the full new design dynamic speaker. A seven tube Superheterodyne with automatic volume control, aeroplane dial and tone control at an exceptional price. Equipped with 7 fully guaranteed factory matched Silvertone tubes.



Height 17 $\frac{3}{8}$ inches

MODEL 1806—Silvertone All-Wave American and Foreign Reception

Get everything on the air with this all wave American and Foreign Broadcast Receiver. Tuning range 540 to 18,000 Kilocycles. Tunes in all American short wave stations as well as the Foreign short wave programs. Equipped with 8 fully guaranteed factory matched Silvertone tubes.

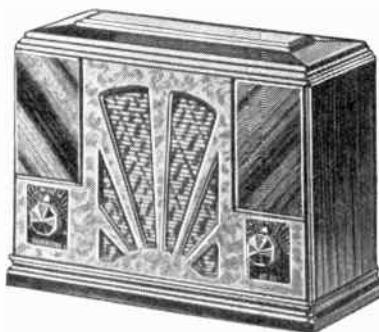


Height 15 inches

MODEL 1803—Silvertone American and Foreign Reception

ANY RADIO illustrated on this page can be purchased on SEARS EASY PAYMENT PLAN.

Low in price but high in performance is this dual wave American and Foreign broadcast moderne Gothic style table model Receiver. Has the features of big radios—automatic volume control—aeroplane dial—and full dynamic speaker. Truly a world beater at the price—GETS FOREIGN PROGRAMS. Equipped with 5 fully guaranteed factory matched Silvertone tubes.



Model 1801—Silvertone compact personal type 5-tube Superheterodyne radio. Tunes in all American programs plus all police calls—airplane conversation and some amateurs. Tuning range 70 to 550 meters. Size 5 $\frac{1}{2}$ x7 $\frac{1}{2}$ x11 inches. Operates on AC or DC and 25 cycle current. Ideal for use in den—bedroom—schools—hospitals, etc. Equipped with 5 fully guaranteed factory matched Silvertone tubes.

SILVERTONE RADIO

Sold Exclusively by SEARS, ROEBUCK AND CO.

WorldRadioHistory.com

Sears Silvertone World Wide Radio Log

Favorite Artists Behind the Mike



IDA BAILEY ALLEN . . . President of the National Radio Home Makers Club and nationally prominent home economist. In her years of broadcasting over the WABC-Columbia System, Mrs. Allen has received over half a million letters from radio fans—something in the way of the general public's approval of her selection as originator of the foremost programs offering advice to women in the home, in the recent World-Telegram radio poll.

FRED ALLEN . . . NBC comedian, was born in Somerville, Mass., Feb. 2, 1894, (real name John F. Sullivan). He worked in Boston Public Library as a boy. He began theatrical career as a juggler, but soon turned to comedy, becoming a vaudeville monologuist under the name of Fred James. Allen fought in the war and upon his returning married present wife (Portland Hoffa). His first Broadway show was "Polly", but he rose to fame in "First Little Show" and "Three's A Crowd". He writes his own material. His eyes are blue.



DOROTHY PAGE . . . Comely NBC contralto, born, Dorothy Stofflett, March 4, 1910, Northampton, Pennsylvania. She is 5 feet 6 inches in height, weighs 120 pounds, has titian hair and brown eyes. Educated in music in Eastern girls schools, she first worked as artist model, posing for Red Cross posters, magazine covers. Won a Paul Whiteman audition in 1932, sang for two years with Seymour Simon's orchestra, before coming to NBC in June 1934.

DAVID ROSS . . . Stumbled into Radio in 1925 while visiting a local New York studio. There had been a thunderstorm and the star had failed to appear. Someone told the frenzied director that Ross was an excellent reader of poetry, so with no rehearsing he did his "stuff". The director was so impressed that he offered Ross the job of staff announcer.

In 1932 he won the Diction Medal of the American Academy of Arts and Letters. He also won the World-Telegram poll of radio editors throughout the United States as the most popular studio announcer of 1932 and 1933. He has been with CBS since it started in 1927.



JESSICA DRAGONETTE . . . Is one of NBC's brightest and highest paid stars.

A few years ago, when NBC was searching for a young soprano for a light opera they were assembling, Miss Dragonette was recommended for the position by a Broadway critic. She was given the audition and hired.

On the stage she has played in "The Miracle," "Grand Street Follies of 1926" and "The Student Prince". She has a lovely soprano voice, and loves to sing.

JOE PENNER . . . NBC comedian heard on Baker's Broadcast, was born in Hungary, November 11, 1904. His real name is Joseph Pinta. Coming to America with his mother, an opera singer, as a child, he sang in church choirs, tramped with carnivals, burlesque and in vaudeville. Introduced to big time radio by Rudy Vallee in 1933, his rise was rapid. He has popularized "Wanna Buy A Duck" and "You Nasty Man" catch phrases used in early vaudeville appearances.



MILTON CROSS . . . Although a relatively young man in years, Milton J. Cross is a veteran in the world of radio announcers.

Cross went on the air in 1925, not as an announcer, but as a tenor soloist. Radio programs progressed with leaps and bounds and six months later Cross was hired as second announcer at WJZ Newark N. J. He continued to fill in as singer. Soon he became a full-fledged announcer and has continued in that capacity ever since.

His aim is to make announcing as much of an art as singing, and without a doubt he has succeeded. He takes his work very seriously. He is on the NBC Networks.

JANE FROMAN . . . Jane was born in St. Louis, Mo., in 1907.

She got her start in Radio when a station manager of WLW heard her in a recital in Cincinnati. She was invited to sing in a broadcast and consequently got a job out of it.

Paul Whiteman happened to hear her and was so impressed with her rich voice that he induced her to come to the NBC Chicago studio, where she made an instant hit on network programs. Since then, Jane has been in a whirl of activity. She is five feet four, has blue eyes and brown hair. She is married to Don Ross, a radio star in his own right.



DON AMECHE . . . Romantic hero of First Nighter and other NBC dramatic presentations, was born May 31, 1908 in Kenosha, Wisconsin. He is 5 feet 11, weighs 158 pounds, has dark brown hair and eyes. Is married to his college sweetheart, Honore. Studied law at Marquette University, Georgetown University. Left college to play stock. First radio appearance 1932 in Empire Builders. Has starred in First Nighter for more than a year.

MABEL ALBERTSON . . . Comedienne heard with Phil Baker over an NBC network, was born in Lynn, Mass. Her mother, an actress, put her on the stage at the age of three. She later studied music and made debut in chautauqua at age of fifteen. Later she organized a school of elocution, and then was piano accompanist for a vaudeville act. Since then she has sung, appeared in talking pictures and played in New York production with Jimmy Durante. Her radio debut was in 1933. Miss Albertson—is five feet, two inches tall, weighs 105 pounds, has blond hair and complexion and blue eyes.



PAUL WHITEMAN . . . Heard on NBC Kraft-Pherix program, recognized "Dean of Modern Music" and America's most famed dance orchestra leader. Born, Denver, 1891. Married to Margaret Livingston, screen actress. At one time weighed more than 300 pounds, but has lost 100 pounds dieting. Has dark brown hair, wears a mustache, is six feet in height. He is equally famed for "discovering" new music and new musical talent.

MARY LIVINGSTONE . . . NBC comedienne who appears with her husband, Jack Benny, first met Benny when the comedian came to see her older sister. They conceived a mutual dislike for each other. Several years later they met again in Los Angeles, became friends and were engaged to marry. They married at the City Hall in Chicago. Mrs. Benny disapproved of her husband's stage career at the start. He won her over by introducing her to his act. She failed the first time and thereafter was a hit. When Benny came to radio, Mary came, too, and now is one of the featured members of his cast.



PORTLAND HOFFA . . . Radio actress, partner and wife of Fred Allen, was born in Portland, Oregon, for which she was named. Her father, Dr. Frederick Hoffa, eye specialist, named one daughter Lebanon, for Lebanon, Penn., another Lastone (correct) and another "Dr. Fredericka" for himself. Portland met Allen upon his return from the World War and married him, becoming his stage partner in "First Little Show" and "Three's A Crowd." She came to radio with him—to play "straight roles."

MORTON DOWNEY . . . After an extended career in vaudeville, musical comedy, motion-pictures and European supper clubs, Morton Downey has abandoned them for radio. In addition to his studio broadcasts, over the Columbia Network, Downey also is heard in three programs from the club Delmonico, a total of seven song recitals weekly.

Although he began singing at the age of three, Downey later tried his hand at selling photographs, newspapers and insurance and attending donkey engines before embarking on a vocal career.



SILVERTONE TUBES IMPROVE ANY RADIO

U. S. Broadcasting Stations Arranged Alphabetically by Cities

A	Covington, Kentucky, WCKY Cumberland, Md., WTBO	Iowa City, Iowa, WSUI Ironwood, Mich., WJMS	New York, N. Y., WABC, WBXN, WBOO, WEAF, WEVD, WFAB, WHN, WINS, WJZ, WLWL, WMCA, WNYC, WOV	Schenectady, N. Y., WGJY Scottsbluff, Nebr., KGKY Scranton Pa., WGBI, WQAN Seattle, Wash., KJR, KOL, KOMO, KPCB, KRSC, KTW KXA, KV
Aberdeen, Wash., KXRO	D	Jackson, Mich., WIBM Jackson, Miss., WJDY Jackson, Tenn., WTJS Jacksonville, Fla., WJAX Jamestown, N. Y., WOCL Janesville, Wis., WCIQ Jefferson City, Mo., WOS Jerome, Ariz., KCRJ Jersey City, N. J., WAAT, WHOM	Norfolk, Nebr., WJAG Norfolk, Va., WTAR Norman, Okla., WNAD Northfield, Minn., WCAL, KFMX	Shawnee, Okla., KGFF Sheboygan, Wis., WHBL Shenandoah, Iowa, KMA, KFNF Sheridan, Wyo., KWYO Shreveport, La., KTBS, KWEA, KRMD, WKWH
Abilene, Kans., KFBI	Dallas, Texas, KRLD, WFAA, WRR	Johnstown, Pa., WJAC Joplin, Mo., WMBH	North Platte, Nebr., KGNF	Silver Haven, Pa., WNBO Sioux City, Iowa, KSCJ Sioux Falls, S. D., KSQO South Bend, Ind., WFAM, WSBT Spartanburg, S. C., WSPA Spokane, Wash., KHQ, KGA, KFIO, KFPY
Akron, Ohio, WJW	Danville, Va., WBPM	K	Oakland, Calif., KLUF, KROW, KIX, KLS	Springfield, Ill., WCBS, WTAX Springfield, Mass., WMAS Springfield, Mo., KGBX Springfield, Tenn., WSIX Springfield, Vt., WNWB
Albuquerque, N. M., KOB, KGGM	Davenport, Iowa, WOC	Kalispell, Mont., KGEZ Kalamazoo, Mich., WKZO	Orlando, Fla., WDBO	Stauton, Va., WWSA
Alexandria, Va., WJSV	Dayton, Ohio, WSMK	Kansas City, Kans., WLBF	P	Stevens Point, Wis., WLBL Stockton, Calif., KGDM, KWG
Allentown, Pa., WCBM, WSAN	Decatur, Ill., WJBL	Kansas City, Mo., KWKC, KMBC, WDAF, WHB, WOQ	Paducah, Ky., WPAD Paragould, Ark., KBTM Pasadena, Calif., KPPC Pensacola, Fla., WCOA	Terre Haute, Ind., WBOW
Altoona, Pa., WFBG	Decorah, Iowa, KGCA, KWLC	Kearney, Nebr., KGFV	Peoria, Ill., WMBD	Texarkana, Ark., KCMC
Amarillo, Texas, KGRS, WDAG	Denver, Colo., KPOF, KFEL, KFXF, KLZ, KOA	Ketchikan, Alaska, KGBU	Petersburg, Va., WPHR	Thomasville, Ga., WQDX
Americus, Ga., WGPC	Des Moines, KSO, WHO	Knoxville, Tenn., WNOX, WRLO	Philadelphia, Pa., WCAU, WDAS, WFI, WHAT, WIP, WLST, WPEN, WRAX, WTEL	Toledo, Ohio, WSPD
Ames, Iowa, WOI	Detroit, Mich., WJBK, WJR, WMBC, WWJ, WXYZ	Kosciusko, Miss., WHEF	Phoenix, Ariz., KOY	Topeka, Kans., WIBW
Anchorage, Alaska, KFQD	Devils Lake, N. D., KDLR	L	Pierre, S. D., KGFX	Trenton, N. J., WTNJ
Anderson, Ind., WHBU	Dublin, Texas, KFPL	Laconia, N. Y., WLNH	Pittsburgh, Pa., WCAF, KQV, WJAS, KDKA, WWSW	Troy, N. Y., WHAZ
Aniston, Ala., WAMC	Dodge City, Kans., KGNO	LaGrange, Ga., WKEU	Pine Bluff, Ark., KOTN	Tucson, Ariz., KVOA, KGAR
Asbury Park, N. J., WCAP	Dothan, Alabama, WHET	Lamar, Colo., KIDW	Pocatello, Idaho, KSEI	Tulsa, Okla., KVOO
Asheville, N. C., WWCN	E	Lancaster, Pa., WGAI, WKJC	Ponca City, Okla., WBBZ	Tupelo, Miss., WJEM
Athens, Ga., WTFI	E. Lansing, Mich., WKAR	Lansing, Mich., WJIM	Portland, Maine, WCSH	Tupper Lake, N. Y., WHDL
Atlanta, Ga., WGST, WSB	E. Dubuque, Ill., WKBB	Lapeer, Mich., WMPC	Portland, Ore., KGW, KALE, KXL, WKJJ, KOIN, KBPS-	Tuscola, Ill., WDZ
Atlantic City, N. J., WPG	Eau Claire, Wis., WTAQ	El Paso, Texas, KTSW, WDAH	KEX, KFJR	Twin Falls, Idaho, KTFI
Auburn, N. Y., WMBO	El Centro, Calif., KXO	Enid, Okla., KRC	Portsmouth, N. H., WHEB	Tyler, Texas, KGKB
Augusta, Ga., WRDW	Elk City, Okla., KASA	Erie, Pa., WLWU, KLEU	Poynette, Wis., WIBU	U
Augusta, Maine, WRDO	Elkhart, Ind., WTRC	Eugene, Ore., KORE	Prescott, Ariz., KPJM	Urbana, Ill., WILL
B	Elmira, N. Y., WESG	Eureka, Calif., KIEM	Presque Isle, Me., WAGM	Utica, N. Y., WIBX
Baltimore, Md., WBAL, WCAO, WCBM, WFBR	El Paso, Texas, KTSW, WDAH	Evansville, Ind., WGBF	Providence, R. I., WEAN, WJAR, WPRO	V
Bakersfield, Calif., KERN	End, Okla., KRC	Everett, Wash., KFBL	Pueblo, Colo., KGHF	Vermillion, S. D., KUSD
Bangor, Maine, WABI, WLBB	Erie, Pa., WLWU, KLEU	F	Pullman, Wash., KWSC	Vicksburg, Miss., WQBC
Battle Creek, Mich., WELL	Eugene, Ore., KORE	Fairmont, W. Va., WMMN	Quincy, Ill., WTAD	W
Bay City, Mich., WBCM	Eureka, Calif., KIEM	Fall River, Mass., WSAR	M	Waco, Texas, WACO
Beaumont, Texas, KFDM	Evansville, Ind., WGBF	Fargo, N. D., WDAY	Racine, Wis., WRIN	Walla Walla, Wash., KUJ
Bellingham, Wash., KVOS	Everett, Wash., KFBL	Fayetteville, Ariz., KUOA	Raleigh, N. C., WPTF	Washington, D. C., WMAL, WOL, WRC
Berkeley, Calif., KRE	F	Fergus Falls, Minn., KGDE	Rapid City, S. D., WCAT	Waterbury, Conn., WATR
Beverly Hills, Calif., KMPC	Fond du Lac, Wis., KFIZ	Flint, Mich., WFDF	Reading, Penn., WEEU, WRAW	Waterloo, Iowa, WMT
Billings, Mont., KGHL	Fort Smith, Ark., KFPW	Fond du Lac, Wis., KFIZ	Red Bank, N. J., WJBI	Watertown, S. D., KWTN
Binghamton, N. Y., WNBF	Fort Wayne, Ind., WGL, WOVO	Fort Smith, Ark., KFPW	Reno, Nev., KOH	Wenatchee, Wash., KPO
Birmingham, Ala., WSGN, WAPI, WBRC	Fort Worth, Tex., KTAT, WBAP, KFJZ	Fort Wayne, Ind., WGL, WOVO	Richmond, Va., WBBL, WMBG, WRVA	W. Lafayette, Ind., WBAA
Bismarck, N. D., KFYR	Freeport, N. Y., WGBB	G	Roanoke, Va., WDBJ, WRBX	Wheeling, W. Va., WWVA
Bluefield, W. Va., WHIS	Fresno, Calif., KMJ	Fairmont, W. Va., WMMN	Rochester, N. Y., WHAM, WIEC	Whit Plains, N. Y., WFAS
Blytheville, Ark., KLCN	F	Fall River, Mass., WSAR	Rockford, Ill., KFLV	Wichita, Kans., KFH
Boise, Idaho, KIDO	Fayetteville, Ariz., KUOA	Fargo, N. D., WDAY	Rock Island, Ill., WHBF	Wichita Falls, Texas, KGKO
Boone, Iowa, KFGQ	Fergus Falls, Minn., KGDE	Fayetteville, Ariz., KUOA	Rome, Ga., WRGA	Wilkes-Barre, Pa., WBAX, WBRE
Boston, Mass., WAAW, WBZ, WBZA, WEEL, WHDH, WNAC	Flint, Mich., WFDF	Fond du Lac, Wis., KFIZ	Royal Oak, Mich., WEXL	Williamsport, Pa., WRAK
Bridgeport, Conn., WICC	Fond du Lac, Wis., KFIZ	Fond du Lac, Wis., KFIZ	Rutland, Vt., WSYB	Wilmington, Del., WDEL, WILM
Bristol, Tenn., WOPI	Fond du Lac, Wis., KFIZ	Fond du Lac, Wis., KFIZ	S	Wilmington, N. C., WRAM, WDNC
Brookings, S. D., KFDY	Freepoort, N. Y., WGBB	G	Sacramento, Calif., KFBK	Winston-Salem, N. C., WSJS
Brooklyn, N. Y., WMBO, WBBC, WBBL, WLTH, WFVF, WARD, WCNW	Fresno, Calif., KMJ	Gadsen, Ala., WJBY	St. Albans, Vt., WQDM	Wool Point, Mont., KGCX
Brownsville, Tex., KWVG	G	Gainesville, Fla., WRUF	St. Joseph, Mo., KFQZ	Woodside, N. Y., WWRL
Buffalo, N. Y., WBNF, WKBW	Glenendale, Calif., KIEV	Galveston, Texas, KFLX	St. Louis, Mo., KSD, KWK, KMOX, WEW, WIL	Worcester, Mass., WORC, WTAG
Burbank, Calif., KELW	Glen Falls, N. Y., WGLC	Gary, Ind., WIND	St. Paul, Minn., KSTP	
Burlington, Vt., WCAX	Grand Forks, N. D., KEJM	Glendale, Calif., KIEV	Salem, Oregon, KSLM	
Butte, Mont., KGIR	Grand Junction, Colo., KFXJ	Glen Falls, N. Y., WGLC	Salt Lake City, Utah, KDYL, KSL	
C	Grand Rapids, Mich., WASH, WOOD	Grand Forks, N. D., KEJM	San Angelo, Texas, KGKL	
Calumet, Mich., WHDF	Grant City, Mo., KWTO	Grand Junction, Colo., KFXJ	San Antonio, Texas, KMAV	
Camden, N. J., WCAM	Great Falls, Mont., KFBF	Grand Rapids, Mich., WASH, WOOD	KONO, KTSQ, KABC, WOAI	
Canton, N. Y., WCAD	Greeley, Colo., KFKA	Grant City, Mo., KWTO	San Bernardino, Calif., KFXM	
Canton, Ohio, WIBC	Green Bay, Wis., WBY	Greeley, Colo., KFKA	Moorehead, Minn., KGFK	
Cape Girardeau, Mo., KFVS	Greensboro, N. C., WBIG	Greensboro, N. C., WBIG	Mooseheart, Ill., WJJD	
Carter Lake, Iowa, KICK	Greensburg, Pa., WRDM	Greensboro, N. C., WBIG	Mt. Orab, Ohio, WHBD	
Carthage, Ill., WCAZ	Greenville, Miss., WKPI	Greenville, S. C., WFBC	Muncie, Ind., WLBC	
Cedar Rapids, Iowa, KWCR	Greenville, Miss., WKPI	Greenville, Texas, KFPM	Muscle Shoals City, Ala., WNRA	
Casper, Wyo., KDFN	Greenville, S. C., WFBC	Grove City, Pa., WSAJ	N	
Cedar Rapids, Iowa, KWCR	H	Hackensack, N. J., WBMS	Nampa, Idaho, KFXD	
Charleston, S. C., WCSSC	Hagerstown, Md., WJEI	Hagerstown, Md., WJEI	Nashville, Tenn., WLAC, WSM	
Charleston, W. Va., WCHS	Hammond, Ind., WWAE	Hammond, Ind., WWAE	Needham, Mass., WBSO	
Charlotte, N. C., WBT, WDSL	Harlingen, Texas, KRGV	Harlingen, Texas, KRGV	Newark, N. J., WNEW, WGCP,	
Chattanooga, Tenn., WDO	Harrisburg, Ill., WEBO	Harrisburg, Ill., WEBO	WOR	
Chester Township, N. Y., WGNY	Harrisburg, Pa., WHP, WKBO	Harrisburg, Pa., WHP, WKBO	New Bedford, Mass., WNRH	
Cicero, Ill., WEHS, WHFC, WKBI	Hartford, Conn., WDR, WTIC	Hartford, Conn., WDR, WTIC	Newport News, Va., WGH	
Cincinnati, Ohio, WFBE, WKRC, WLW, WSAI	Hattiesburg, Miss., WPFB	Hattiesburg, Miss., WPFB	New Orleans, La., WLW, WDSU,	
Clay Center, Nebr., KMMJ	Hazelton, Pa., WAZL	Hazelton, Pa., WAZL	WBNO, WJBO, WJBW, WMSB	
Clayton, Mo., KFUO	Hilo, Hawaii, KWFV	Hilo, Hawaii, KWFV	Y	
Clearwater, Fla., WFLA, WSUN	Hollywood, Calif., KFWB	Hollywood, Calif., KFWB	Yakima, Wash., KIT	
Cleveland, Ohio, WHK, WJAY, WTAM, WGAR	Honolulu, Hawaii, KGMB, KGU	Honolulu, Hawaii, KGMB, KGU	Yanktown, S. D., WSAX	
Clivis, New Mexico, KCGF	Hopkinsville, Ky., WAVE	Hopkinsville, Ky., WAVE	York, Nebr., KGZB	
Coffeyville, Kans., KGGF	Hot Springs, Ark., KTHS	Hot Springs, Ark., KTHS	Youngstown, Ohio, WKBN	
College Station, Tex., WTAW	Houston, Texas, KPRC, KTRII, KXYZ	Houston, Texas, KPRC, KTRII, KXYZ	Yuma, Ariz., KUMA	
Colo. Springs, Colo., KVOR	Huntington, W. Va., WSAZ	Huntington, W. Va., WSAZ	Yuma, Colo., KGK	
Columbia, Mo., KFRU	Huntsville, Ala., WBHS	Huntsville, Ala., WBHS	Zanesville, Ohio, WALR	
Columbia, S. C., WIS	Huron, S. D., KGHDY	Huron, S. D., KGHDY	Zarephath, N. J., WAWZ	
Columbus, Ga., WRBL	I	Idaho Falls, Idaho, KID	Zion, Illinois, WCBD	
Columbus, Ohio, WOSU, WBNS, WAIU, WSEN	Indianapolis, Ind., WFBM, WKBF	Indianapolis, Ind., WFBM, WKBF		
Connerville, Ind., WKBV				
Corpus Christi, Texas, KGGF				
Corvallis, Ore., KOAC				
Council Bluffs, Iowa, KOIL				

New Aerial—Better Reception

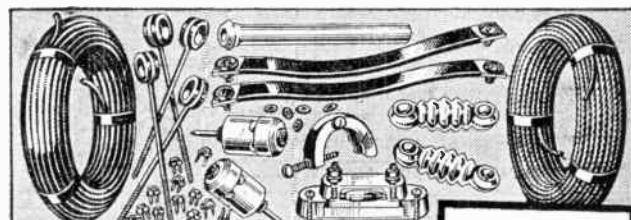
For best results from your radio receiver the antenna system should be inspected regularly and replaced periodically. The amount of signal energy that is obtained from the air waves is very minute. The purpose of the antenna system is to bring this very minute energy to the radio receiver so it can be amplified for reproduction. If resistance and losses occur in transmitting it to the receiver, poor results are obtained.

The wind, rain, sun and dust work day and night to reduce the efficiency of your antenna system. Corrosion, loosening of connections, drying out of the covering for the lead-in wire, etc., are the results. All of these tend to reduce efficiency and impair the operation of your radio set.

Replace your old aerial with a new Silvertone high efficiency antenna system. The improved results will be surprising.

Approved ALL-WAVE Aerial With Vis-O-Glow Lightning Arrester

A good outdoor antenna, properly installed, is a necessity for satisfactory all-wave reception. This approved Silvertone antenna system provides the necessary equipment and instructions. 70 ft. of 7 strand 20 gauge enameled antenna wire, 50 ft. of fine quality stranded insulated lead-in and hook-up wire, four 7½ inch stand-off insulators, two porcelain nail knobs, porcelain lead-in tube, two lead-in strips, two large clear glass insulators, insulated staples, and a genuine NON-CAPACITY (Listed by Underwriters' Laboratories) Vis-O-Glow Arrester, insuring low loss for finest reception.



In ordering
refer to
No. 5538

Standard Broadcast Aerial Kit



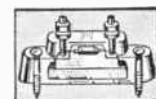
Consists of 75 ft. aerial wire, 25-ft. lead-in and hook-up wire, lightning arrester, lead-in strip, 2 porcelain insulators, 2 nail knob insulators, 1 ground clamp, 2 screw eyes, 1 instruction sheet. For best reception we recommend No. 5538 above.

In ordering refer to No. 5537

If your aerial system does not need complete replacement, you can obtain any single part of it such as No. 14 enameled aerial wire—stranded aerial wire—rubber covered lead-in wire—nail it knobs—insulators—window strips—ground clamps—lightning arresters, etc. at any Sears Retail Store.

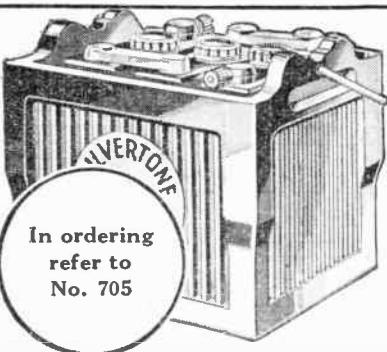
Genuine "Brach" Vis-O-Glow Neon Bulb Lightning Arrester

The "approved" non-capacity lightning arrester for short wave reception. Made of clear glass. Approved by Fire Underwriter's. Guaranteed against damage to radio chassis by lightning!



In ordering refer to No. 5542

Silvertone Radio Storage Batteries



In ordering
refer to
No. 705

- Adjusted on 18 month Service Basis when used for one cycle per week.
- Delivers 120 Ampere Hours at one Ampere rate.
- 15 Heavy plates per cell.
- Screw Type Radio Terminals.
- 10½x7x8½ in.
- Acid-proof case with handle.

WLS 12 Month Battery

A light duty battery that will deliver 100 ampere hour at one-ampere rate. 13 plates per cell, black acid resisting case. Size, 9x7x9½ in. Fully charged.

In ordering refer to No. 503

Guaranteed 18 Months

Silvertone Long Life "A" Battery

This battery is EXTRA conservatively rated in accordance with N. R. A. code ruling. Full size HEAVY plates of purest lead oxide. Genuine Port Orford cedar separators. 120 amp. hrs. is an honest rating. Any excessive rating is misleading. Shipped fully charged. Supplies an even flow of current to battery operated radio receivers.

50 Cents for Your Old Battery

Your old storage battery may be traded in on the purchase of either of these two new 6-volt battery. The allowance is 50 cents if the old battery is delivered to any Sears store.



In ordering
refer to
No. 5011

New Silvertone 2-Volt Storage Battery

- 175 Ampere Hours (conservatively rated).
- 19 plates per cell. —Screw type radio terminals.

For those who have home charging facilities, this is the economical battery to buy. Powerful, long life radio type storage battery; acid proof case. Guaranteed on a service basis to give 300 hours service with

one charging in sets using 2-volt tubes. Will not replace a six-volt storage battery. Size, 7½x4¾x9 in. If replacing a dry type 3-volt "A" battery, ORDER THE ADAPTER LISTED BELOW.

No. 5016—Adapter, for use with above 2-volt battery in sets with voltage regulator ballast tube.

Refer to No. 5016 when ordering

RADIO TUBES ARE THE HEART OF YOUR RADIO

CONVENIENT DIAL LOG

Kilo	Dial Reading	Meter	CENTRAL	EASTERN	SOUTHERN	WESTERN
550		545.1	KFDY Brookings, S. D. 500 KFUO St. Louis, Mo. 500* KFYR Bismarck, N. D. 1000* KSD St. Louis, Mo. 500	WGR Buffalo, N. Y. 1000 WKRC Cincinnati, Ohio. 500 WDEV Waterbury, Vt. 500		KOAC Corvallis, Ore. 1000
560		535.4	KWTO Springfield, Mo. 500 WIND Gary, Ind. 1000	WFJ Philadelphia, Pa. 500 WLIT Philadelphia, Pa. 500 WSVA Staunton, Va. 500 WOSU Columbus, Ohio. 750* WKBN Youngstown, Ohio. 500 WMCA New York City 500	KFDM Beaumont, Tex. 500* WQAM Miami, Fla. 1000 WIS Columbia, S. C. 500 KGKO Wichita Falls, Tex. 250* WWNC Asheville, N. C. 1000	KLZ Denver, Colo. 1000 KTAB San Francisco, Calif. 1000
570		526.0	WNAX Yankton, S. D. 1000	WSYR Syracuse, N. Y. 250 WCBS New York City 500 WCHS Charleston, W. Va. 750* WTAG Worcester, Mass. 750 WEET Boston, Mass. 1000	WDBO Orlando, Fla. 250	KMTR Hollywood, Calif. 500 KVI Tacoma, Wash. 500
580		516.9	KSAC Manhattan, Kans. 500* WIBW Topeka, Kans. 1000	WMAA New York City 500		KMJ Fresno, Calif. 500
590		508.2	WCAJ Lincoln, Nebr. 500 WKZO Kalamazoo, Mich. 1000 WOW Omaha, Nebr. 1000	WREC Memphis, Tenn. 500*		KHQ Spokane, Wash. 1000*
600		499.7	WMT Waterloo, Iowa. 500	WCAC Storrs, Conn. 500 WCAO Baltimore, Md. 500		KFSD San Diego, Calif. 1000
610		491.5	WDAF Kansas City, Mo. 1000	WICC Bridgeport, Conn. 500 WIP Phila., Pa. 500 WJAY Cleveland, Ohio. 500		KFRC San Francisco, Calif. 1000
620		483.6	WTMJ Milwaukee, Wis. 1000*	WLBZ Bangor, Me. 500 WRDM Greensburg, Pa. 250 WMAL Washington, D. C. 250*	WFLA Clearwater, Fla. 1000 WSUN St. Petersburg, Fla. 1000*	KGW Portland, Ore. 1000 KTAR Phoenix, Ariz. 500*
630		475.9	KFRU Columbia, Mo. 500 WGBF Evansville, Ind. 500	WPRO Providence, R. I. 250		
640		468.5	KGFX Pierre, S. D. 200 WOI Ames, Ia. 5000	WAIU Columbus, Ohio. 500		KFI Los Angeles, Calif. 50000
650		461.3	WAAW Omaha, Nebr. 500	WEAP New York City. 50000		KPCB Seattle, Wash. 100
660		454.3	WMAQ Chicago, Ill. 5000			
670		447.5	KFQE St. Joseph, Mo. 2500			
680		440.9	NAA Arlington, Va. 1000			
690		434.5	WLN Cincinnati, Ohio. 50000 WOR Newark, N. J. 5000			
700		428.3	WCM Chicago, Ill. 50000 KMMJ Clay Center, Nebr. 1000			
710		422.3	399.8 WJR Detroit, Mich. 10000 WEET Boston, Mass. 1000			
720		416.4	WHEB Portsmouth, N. H. 250			
740		405.2	WJZ New York City. 50000			
750		399.8	WBAL Baltimore, Md. 10000			
760		394.5	WAPI Providence, R. I. 500* WTAR Norfolk, Va. 500			
770		389.4	WBBM Chicago, Ill. 25000			
780		384.4	WGCI Schenectady, N. Y. 50000 WTBO Cumberland, Md. 100*			
790		379.5	WNYE New York City. 500			
800		374.8	WEUU Reading, Pa. 1000 WHDH Boston, Mass. 1000			
810		370.2	WCCO Minneapolis, Minn. 50000			
820		365.6	WBOQ N. Y. City. 50000			
830		361.2	WGBI, WQAN Scranton, Pa. 250 WPHR Petersburgh, Va. 100*			
850		353.7	WJAR Providence, R. I. 500* WMMN Fairmont, W. Va. 250*			
860		348.6	WBBM Chicago, Ill. 100000 WHLK Urbana, Ill. 250*			
870		344.6	WBAA W. Lafayette, Ind. 500* WLBY Stevens Point, Wis. 2000			
880		340.7	WQST Atlanta, Ga. 250*			
890		336.9	WJFK Little Rock, Ark. 250 WGSI Greeley, Colo. 500*			
900		333.1	WJER Glendale, Pa. 100 WKBW Buffalo, N. Y. 1000			
920		325.9	WJEF Jacksonville, Fla. 1000 WQXW Oklahoma City, Okla. 1000			
930		322.4	WJEF Jacksonville, Fla. 1000 WQXW Oklahoma City, Okla. 1000			
940		319.0	WJER Glendale, Pa. 1000 WQXW Oklahoma City, Okla. 1000			
950		315.6	WJER Glendale, Pa. 1000 WQXW Oklahoma City, Okla. 1000			
970		309.1	WJER Glendale, Pa. 1000 WQXW Oklahoma City, Okla. 1000			
980		305.9	WJER Glendale, Pa. 1000 WQXW Oklahoma City, Okla. 1000			
990		302.8	WJER Glendale, Pa. 1000 WQXW Oklahoma City, Okla. 1000			
1000		299.8	WJER Glendale, Pa. 1000 WQXW Oklahoma City, Okla. 1000			
1010		296.9	WJER Glendale, Pa. 1000 WQXW Oklahoma City, Okla. 1000			
1020		293.9	WJER Glendale, Pa. 1000 WQXW Oklahoma City, Okla. 1000			
1040		288.3	WJER Glendale, Pa. 1000 WQXW Oklahoma City, Okla. 1000			
1050		285.5	WJER Glendale, Pa. 1000 WQXW Oklahoma City, Okla. 1000			
1060		282.8	WJER Glendale, Pa. 1000 WQXW Oklahoma City, Okla. 1000			
1070		280.2	WJER Glendale, Pa. 1000 WQXW Oklahoma City, Okla. 1000			
1080		277.6	WJER Glendale, Pa. 1000 WQXW Oklahoma City, Okla. 1000			
1090		275.1	WJER Glendale, Pa. 1000 WQXW Oklahoma City, Okla. 1000			
1100		272.6	WJER Glendale, Pa. 1000 WQXW Oklahoma City, Okla. 1000			
1110		270.1	WJER Glendale, Pa. 1000 WQXW Oklahoma City, Okla. 1000			
1120		267.7	WJER Glendale, Pa. 1000 WQXW Oklahoma City, Okla. 1000			
1130		265.3	WJER Glendale, Pa. 1000 WQXW Oklahoma City, Okla. 1000			
1140		263.0	WJER Glendale, Pa. 1000 WQXW Oklahoma City, Okla. 1000			
1150		260.7	WJER Glendale, Pa. 1000 WQXW Oklahoma City, Okla. 1000			
1160		258.5	WJER Glendale, Pa. 1000 WQXW Oklahoma City, Okla. 1000			
1170		256.3	WJER Glendale, Pa. 1000 WQXW Oklahoma City, Okla. 1000			
1180		254.1	WJER Glendale, Pa. 1000 WQXW Oklahoma City, Okla. 1000			
1190		252.0	WJER Glendale, Pa. 1000 WQXW Oklahoma City, Okla. 1000			
1200		249.9	WJER Glendale, Pa. 1000 WQXW Oklahoma City, Okla. 1000			

*Indicates Station Uses More Power in the Daytime

• • • IT'S TIME TO HAVE YOUR TUBES TESTED • • •

Kilo	Dial Reading	Meter	CENTRAL	EASTERN	SOUTHERN	WESTERN	
1210	247.8	KDLR Devils Lake, N. D.	100*	WALR Zanesville, Ohio	100	KFJI Klamath Falls, Ore.	1000
		KFOR Lincoln, Nebr.	100*	WBAX Wilkes-Barre, Pa.	100	KFXM San Bernardino, Calif.	100
		KFPW Ft. Smith, Ark.	100	WBBL, WMBC Richmond, Va.	100	KPPC Pasadena, Calif.	50
		KFVS Cape Girardeau, Mo.	100	WGBB Freeport, N. Y.	100	KGY Olympia, Wash.	100
		KGCR Watertown, S. D.	100	WGNY Chester, N. Y.	50	KIEM Eureka, Calif.	100
		WCBS, WTAX Springfield, Ill.	100	WJBI Red Bank, N. J.	100		
		WCRW, WSBC, WEDC Chi.	100	WJEJ Hagerstown, Md.	100		
		WEBQ Harrisburg, Ill.	100	WJW Akron, Ohio	100		
		WHBF Rock Island, Ill.	100	WSEN Columbus, Ohio	100		
		WHBU Anderson, Ind.	100	WFAS White Plains, N. Y.	100		
		WIBU Poyntette, Wis.	100	WKOK Sunbury, Pa.	100		
		WOMT Manitowoc, Wis.	100	WOCL Jamestown, N. Y.	100		
1220	245.6	KFKU Lawrence, Kans.	500	WCAD Canton, N. Y.	1000	WDAE Tampa, Fla.	1000
		WREN Lawrence, Kans.	1000	WCAE Pittsburgh, Pa.	1000	KWSC Pullman, Wash.	1000*
1230	243.8	WFBM Indianapolis, Ind.	1000	WNAC Boston, Mass.	1000	KTW Seattle, Wash.	1000
1240	241.8	WSBT So. Bend, Ind.	500			KGGM Albuquerque, N. M.	250*
		KLPM Minot, N. D.	250			KYA San Francisco, Calif.	1000
		WXYZ Detroit, Mich.	1000			KTFI Twin Falls, Idaho.	500
1250	239.9	KGCU Mandan, N. D.	250	WGCP Newark, N. J.	1000		
		WCAL Northfield, M.	1000	WNEW Newark, N. J.	1000		
1260	238.0	WLB, WRHM Minn.	1000	WLBB Erie, Pa.	500*	WDSU New Orleans, La.	1000
		KOIL Council Bluffs, Ia.	1000	WNBX Springfield, Vt.	250	KFOX Long Beach, Calif.	1000
1270	236.1	KGCA, KWLC Decorah, Ia.	100	WFBR Baltimore, Md.	500	KVOA Tucson, Ariz.	500
		WASH, WOOD Gr. Rap. M.	500	WCAM Camden, N. J.	500	KUOA Fayetteville, Ark.	1000
1280	234.2	WIBA Madison, Wis.	500*	WCAP Asbury Park, N. J.	500	KOL Seattle, Wash.	1000
				WORC Worcester, Mass.	500	KVOR Colo. Springs, Colo.	1000
				WTNJ Trenton, N. J.	500	KFBB Great Falls, Mont.	1000*
1290	232.4	WEBC Superior, Wis.	1000*	WJAS Pittsburgh, Pa.	1000		
1300	230.6	KFH Wichita, Kans.	1000	WNBN Saranac Lake, N. Y.	50	KDYL Salt Lake City, Utah.	1000
				WBBL Brooklyn, N. Y.	1000	KFAC Los Angeles, Calif.	1000
				WEVD, WFAB New York City.	1000	KFJR, KALE Portland, Ore.	500
1310	228.9	KGBX Springfield, Mo.	100	WHAZ Troy, N. Y.	500		
		WBEO Marquette, Mich.	100	WBRE Wilkes-Barre, Pa.	100	KCPL Dublin, Tex.	100
		WBOW Terre Haute, Ind.	100	WEBR Buffalo, N. Y.	100	KCPK Greenville, Tex.	15
		WCLS Joliet, Ill.	100	WFBC Altoona, Pa.	100	KFXR Okla. City, Okla.	100*
		WEXL Royal Oak, Mich.	50	WGHN Newport News, Va.	100	KFYO Lubbock, Tex.	100*
		WFDF Flint, Mich.	100	WJAC Johnstown, Pa.	100	WDHA, KTSM El Paso, Tex.	100
		WTRC Elkhart, Ind.	50*	WMBO Auburn, N. Y.	100	WROL Knoxville, Tenn.	100
		WLBC Muncie, Ind.	50	WOL Washington, D. C.	100	WSJS Winston-Salem, N. C.	100
		KGFW Kearney, Nebr.	100	WNBH New Bedford, Mass.	100	WTJS Jackson, Tenn.	100*
				WRAW Reading, Pa.	100	WAML Laurel, Miss.	100
				WRAK Grove City, Pa.	100	KRMD Shreveport, La.	100
				WTEL, WHAT Phil., Pa.	100	WSGN Birmingham, Ala.	100
				WLNH Laconia, N. H.	100		
1320	227.1	KSO Des Moines, Iowa.	250	WADC Akron, Ohio.	1000	WSMB New Orleans, La.	500
1330	225.4	KSCJ Sioux City, Ia.	1000*	WDRC Hartford, Conn.	1000	KID Idaho Falls, Idaho.	250*
		WTAQ Eau Claire, Wis.	1000	WSAI Cincinnati, Ohio.	1000	KGB San Diego, Calif.	1000
1340	223.7	KGNO Dodge City, Kans.	250	WSPD Toledo, Ohio.	1000	KMO Tacoma, Wash.	250
1350	222.1	KDGY Huron, S. D.	250	WFEA Manchester, N. H.	500	KFPY Spokane, Wash.	1000
		KWK St. Louis, Mo.	1000	WAHZ Zerapheth, N. J.	250	KIDO Boise, Idaho.	1000
1360	220.4	WGES Chicago, Ill.	500*	WBNX New York City.	250		
1370	218.8	KFJM Grand Forks, N. D.	100	WEHC Charlottesville, Va.	500	KGER Long Beach, Calif.	1000
		KWKC Kansas City, Kans.	100	WFBL Syracuse, N. Y.	1000*	KGIR Butte, Mont.	500
		WGL Ft. Wayne, Ind.	100	WGLC Hudson Falls, N. Y.	100	KFBL Everett, Wash.	50
		WHDF Calumet, Mich.	100*	WBTM Danville, Va.	100	KGAR Tucson, Ariz.	100*
		WIBM Jackson, Mich.	100	WCBM Baltimore, Md.	100	KGFL Roswell, N. M.	100
		WJBK Detroit, Mich.	50	WDAS Philadelphia, Pa.	100*	KOOS Maishfield, Ore.	100
		WRJN Racine, Wis.	100	WHBD Mt. Orab, Ohio.	100	KRE Berkeley, Calif.	100
		KFGQ Boone, Iowa.	100	WLEY Lexington, Mass.	100*	KUJ Walla Walla, Wash.	100
				WQDM St. Albans, Vt.	100	KVLF Galveston, Tex.	100
				WRAK Williamsport, Pa.	100	WHBQ Memphis, Tenn.	100
				WRDO Augusta, Maine.	100	WHET Dothan, Ala.	100
				WSVS Buffalo, N. Y.	50		
				WFBF Hattiesburg, Miss.	100		
1380	217.3	WKBH LaCrosse, Wis.	1000	WJVA Pittsburgh, Pa.	500	KOHO Reno, Nev.	500
1390	215.7			WSMK Dayton, Ohio.	200	KOY Phoenix, Ariz.	500*
1400	214.2	WKBF Indianapolis, Ind.	500	WHK Cleveland, Ohio.	1000*	KLO Ogden, Utah.	500
				WBBC Brooklyn, N. Y.	500	KTUL Tulsa, Okla.	250
1410	212.6	WROK Rockford, Ill.	500	WLTH Brooklyn, N. Y.	500		
		WCBM Bay City, Mich.	500	WAAB Boston, Mass.	500	KBPS, KXL Portland, Ore.	100
		WHBL Sheboygan, Wis.	500	WHIS Bluefield, W. Va.	250	KGGC San Francisco, Calif.	100
1420	211.1	KFIZ Fond du Lac, Wis.	100	WRBX Roanoke, Va.	250	KGIW Alamosa, Colo.	100
		KICK Carter Lake, Iowa.	100	WILM Wilmington, Del.	100	KGX Las Vegas, Nev.	100
		WEHS, WHFC, WKBI Cicero, Ill.	100	WAGM Presque Isle, Me.	100	KORE Eugene, Ore.	100
		WELL Battle Creek, Mich.	50	WHDL Tupper Lake, N. Y.	100	KIDW Lamar, Colo.	100
		WJMS Ironwood, Mich.	100	WMAS Springfield, Mass.	100	KUMA Yuma, Ariz.	100
		WLBF Kansas City, Kans.	100	WAZL Hazelton, Pa.	100		
		WMBC Detroit, Mich.	100*	WBLE Erie, Pa.	100		
		WMBH Joplin, Mo.	100*				
1430	209.7	KGNF No. Platte, Nebr.	500	WBNS Columbus, Ohio.	500		
		KWCR Cedar Rapids, Ia.	250	WHEC Rochester, N. Y.	500	KECA Los Angeles, Calif.	1000
				WOKQ Albany, N. Y.	500		
				WHP Harrisburg, Pa.	500*		
1440	208.2	WMBD Peoria, Ill.	500*	WCBA, WSAN Allentown, Pa.	250		
1450	206.8			WBMS Hackensack, N. J.	250	WBIG Greensboro, N. C.	500*
				WGAR Cleveland, Ohio.	500	KXYZ Houston, Tex.	250
				WHOM Jersey City, N. J.	250	KTBG Shreveport, La.	1000
				WSAR Fall River, Mass.	250	KLDF Casper, Wyo.	500
				WJSV Washington, D. C.	10000	KLS Oakland, Calif.	250
1460	205.4	KSTP St. Paul, Minn.	25000	WLAC Nashville, Tenn.	5000		
1479	204.0			KOMA Okla. City, Okla.	5000		
1480	202.6			WCKY Covington, Ky.	5000		
1490	201.6			KGFB Corpus Christi, Tex.	100*		
1500	199.9	KGFK Moorhead, Minn.	100	KGKB Tyler, Tex.	100	KDB Santa Barbara, Calif.	100
		KGKY Scottsbluff, Nebr.	100	KNOW Austin, Tex.	100	KPJM Prescott, Ariz.	100
		WKBV Richmond, Ind.	100	WFDV Rome, Ga.	100	KPQ Wenatchee, Wash.	100
		WKLB Ludington, Mich.	100	WHEF Kosciusko, Miss.	100	KREG Santa Ana, Calif.	100
		WMPC Lapeer, Mich.	100	WRDW Augusta, Ga.	100	KXO El Centro, Calif.	100
		WKBB East Dubuque, Ill.	100	WKEU La Grange, Ga.	100		
				WOTI Hot Springs, Ark.	100		
				WPOI Bristol, Tenn.	100		
				WRAM Durham, N. C.	100		

*Indicates Station Uses More Power in the Daytime

RADIO TUBES TESTED FREE AT SEARS

Time Throughout the World

An easy method to determine the time in all countries throughout the world corresponding to your own time. Just rule off your time across the page for your own convenience in determining the correct time in other parts of the world. Then run down to the station in which city and country it is located and you have the corresponding time. All time shown in this table is based on U. S. Standard time.

M is noon. X is midnight. Light face figures are A.M. Black face figures are P.M.

	1	2	3	4	5	6	7	8	9	10	11	M	1	2	3	4	5	6	7	8	9	10	11																		
New York, U. S. EASTERN	X	1	2	3	4	5	6	7	8	9	10	11	M	1	2	3	4	5	6	7	8	9	10	11																	
Chicago, U. S. CENTRAL	11	X	1	2	3	4	5	6	7	8	9	10	11	M	1	2	3	4	5	6	7	8	9	10																	
Denver, U. S. MOUNTAIN	10	11	X	1	2	3	4	5	6	7	8	9	10	11	M	1	2	3	4	5	6	7	8	9																	
Seattle, U. S. PACIFIC	9	10	11	X	1	2	3	4	5	6	7	8	9	10	11	M	1	2	3	4	5	6	7	8																	
Vienna, AUSTRIA	7	8	9	10	11	M	1	2	3	4	5	6	7	8	9	10	11	X	1	2	3	4	5	6																	
Brussels, BELGIUM	5	6	7	8	9	10	11	M	1	2	3	4	5	6	7	8	9	10	11	X	1	2	3	4																	
Prague, CZECHOSLOVAKIA	6	7	8	9	10	11	M	1	2	3	4	5	6	7	8	9	10	11	X	1	2	3	4	5																	
Lyngby, DENMARK	6	7	8	9	10	11	M	1	2	3	4	5	6	7	8	9	10	11	X	1	2	3	4	5																	
Cairo, EGYPT	7	8	9	10	11	M	1	2	3	4	5	6	7	8	9	10	11	X	1	2	3	4	5	6																	
London, ENGLAND	5	6	7	8	9	10	11	M	1	2	3	4	5	6	7	8	9	10	11	X	1	2	3	4																	
Paris, FRANCE	5	6	7	8	9	10	11	M	1	2	3	4	5	6	7	8	9	10	11	X	1	2	3	4																	
Berlin, GERMANY	6	7	8	9	10	11	M	1	2	3	4	5	6	7	8	9	10	11	X	1	2	3	4	5																	
Zeesen, GERMANY	6	7	8	9	10	11	M	1	2	3	4	5	6	7	8	9	10	11	X	1	2	3	4	5																	
Huizen, HOLLAND	5	6	7	8	9	10	11	M	1	2	3	4	5	6	7	8	9	10	11	X	1	2	3	4																	
Budapest, HUNGARY	7	8	9	10	11	M	1	2	3	4	5	6	7	8	9	10	11	X	1	2	3	4	5	6																	
Rome, ITALY	6	7	8	9	10	11	M	1	2	3	4	5	6	7	8	9	10	11	X	1	2	3	4	5	6																
Oslo, NORWAY	6	7	8	9	10	11	M	1	2	3	4	5	6	7	8	9	10	11	X	1	2	3	4	5	6																
Poznan, POLAND	7	8	9	10	11	M	1	2	3	4	5	6	7	8	9	10	11	X	1	2	3	4	5	6																	
Rabat, MOROCCO	4	5	6	7	8	9	10	11	M	1	2	3	4	5	6	7	8	9	10	11	X	1	2	3																	
Leningrad, RUSSIA, U. S. S. R.	6	7	8	9	10	11	M	1	2	3	4	5	6	7	8	9	10	11	X	1	2	3	4	5	6																
Moscow, RUSSIA, U. S. S. R.	7	8	9	10	11	M	1	2	3	4	5	6	7	8	9	10	11	X	1	2	3	4	5	6																	
Glasgow, SCOTLAND	4	5	6	7	8	9	10	11	M	1	2	3	4	5	6	7	8	9	10	11	X	1	2	3																	
Bangkok, SIAM	M	1	2	3	4	5	6	7	8	9	10	11	X	1	2	3	4	5	6	7	8	9	10	11																	
Madrid, SPAIN	4	5	6	7	8	9	10	11	M	1	2	3	4	5	6	7	8	9	10	11	X	1	2	3																	
Motola, SWEDEN	6	7	8	9	10	11	M	1	2	3	4	5	6	7	8	9	10	11	X	1	2	3	4	5	6																
Pragins, SWITZERLAND	5	6	7	8	9	10	11	M	1	2	3	4	5	6	7	8	9	10	11	X	1	2	3	4	5	6															
Calcutta, INDIA	10	11	M	1	2	3	4	5	6	7	8	9	10	11	X	1	2	3	4	5	6	7	8	9	10	11															
Tokio, JAPAN	2	3	4	5	6	7	8	9	10	11	M	1	2	3	4	5	6	7	8	9	10	11	M	1	2	3															
Manila, PHILIPPINE IS.	1	2	3	4	5	6	7	8	9	10	11	X	1	2	3	4	5	6	7	8	9	10	11	M	1	2	3														
Leopoldville, BELG. CONGO	6	7	8	9	10	11	M	1	2	3	4	5	6	7	8	9	10	11	X	1	2	3	4	5	6	7	8	9	10	11											
Buenos Aires, ARGENTINA	1	2	3	4	5	6	7	8	9	10	11	M	1	2	3	4	5	6	7	8	9	10	11	X	1	2	3	4	5	6	7	8	9	10	11						
LaPaz, BOLIVIA	X	1	2	3	4	5	6	7	8	9	10	11	M	1	2	3	4	5	6	7	8	9	10	11	X	1	2	3	4	5	6	7	8	9	10	11					
Rio de Janeiro, BRAZIL	2	3	4	5	6	7	8	9	10	11	M	1	2	3	4	5	6	7	8	9	10	11	X	1	2	3	4	5	6	7	8	9	10	11							
Santiago, CHILE	X	1	2	3	4	5	6	7	8	9	10	11	M	1	2	3	4	5	6	7	8	9	10	11	X	1	2	3	4	5	6	7	8	9	10	11					
Bogota, COLOMBIA	X	1	2	3	4	5	6	7	8	9	10	11	M	1	2	3	4	5	6	7	8	9	10	11	X	1	2	3	4	5	6	7	8	9	10	11					
Quito, ECUADOR	11	X	1	2	3	4	5	6	7	8	9	10	11	M	1	2	3	4	5	6	7	8	9	10	11	X	1	2	3	4	5	6	7	8	9	10	11				
Lima, PERU	X	1	2	3	4	5	6	7	8	9	10	11	M	1	2	3	4	5	6	7	8	9	10	11	X	1	2	3	4	5	6	7	8	9	10	11					
Montevideo, URUGUAY	1	2	3	4	5	6	7	8	9	10	11	M	1	2	3	4	5	6	7	8	9	10	11	X	1	2	3	4	5	6	7	8	9	10	11						
Caracas, VENEZUELA	X	1	2	3	4	5	6	7	8	9	10	11	M	1	2	3	4	5	6	7	8	9	10	11	X	1	2	3	4	5	6	7	8	9	10	11					
Calgary, ALBERTA, CAN.	9	10	11	X	1	2	3	4	5	6	7	8	9	10	11	M	1	2	3	4	5	6	7	8	9	10	11	X	1	2	3	4	5	6	7	8	9	10	11		
Vancouver, BRITISH COL.	9	10	11	X	1	2	3	4	5	6	7	8	9	10	11	M	1	2	3	4	5	6	7	8	9	10	11	X	1	2	3	4	5	6	7	8	9	10	11		
Montreal, QUEBEC	X	1	2	3	4	5	6	7	8	9	10	11	M	1	2	3	4	5	6	7	8	9	10	11	X	1	2	3	4	5	6	7	8	9	10	11					
Halifax, NOVA SCOTIA	X	1	2	3	4	5	6	7	8	9	10	11	M	1	2	3	4	5	6	7	8	9	10	11	X	1	2	3	4	5	6	7	8	9	10	11					
St. Johns, NEWFOUNDLAND	1	2	3	4	5	6	7	8	9	10	11	M	1	2	3	4	5	6	7	8	9	10	11	X	1	2	3	4	5	6	7	8	9	10	11						
Ottawa, ONTARIO	X	1	2	3	4	5	6	7	8	9	10	11	M	1	2	3	4	5	6	7	8	9	10	11	X	1	2	3	4	5	6	7	8	9	10	11					
Whitehorse, ALASKA	8	9	10	11	X	1	2	3	4	5	6	7	8	9	10	11	M	1	2	3	4	5	6	7	8	9	10	X	1	2	3	4	5	6	7	8	9	10	11		
Fairbanks, ALASKA	7	8	9	10	11	X	1	2	3	4	5	6	7	8	9	10	11	M	1	2	3	4	5	6	7	8	9	10	X	1	2	3	4	5	6	7	8	9	10	11	
Nome, ALASKA	6	7	8	9	10	11	X	1	2	3	4	5	6	7	8	9	10	11	M	1	2	3	4	5	6	7	8	9	10	X	1	2	3	4	5	6	7	8	9	10	11
Mexico City, MEXICO	10	11	X	1	2	3	4	5	6	7	8	9	10	11	M	1	2	3	4	5	6	7	8	9	10	11	X	1	2	3	4	5	6	7	8	9	10	11			
Havana, CUBA	11	X	1	2	3	4	5	6	7	8	9	10	11	M	1	2	3	4	5	6	7	8	9	10	11	X	1	2	3	4	5	6	7	8	9	10	11				
Santo Domingo, HAITI	X	1	2	3	4	5	6	7	8	9	10	11	M	1	2	3	4	5	6	7	8	9	10	11	X	1	2	3	4	5	6	7	8	9	10	11					
Merida, YUCATAN	11	X	1	2	3	4	5	6	7	8	9	10	11	M	1	2	3	4	5	6	7	8	9	10	11	X	1	2	3	4	5	6	7	8	9	10	11				
Sydney, AUSTRALIA	3	4	5	6	7	8	9	10	11	X	1	2	3	4	5	6	7																								

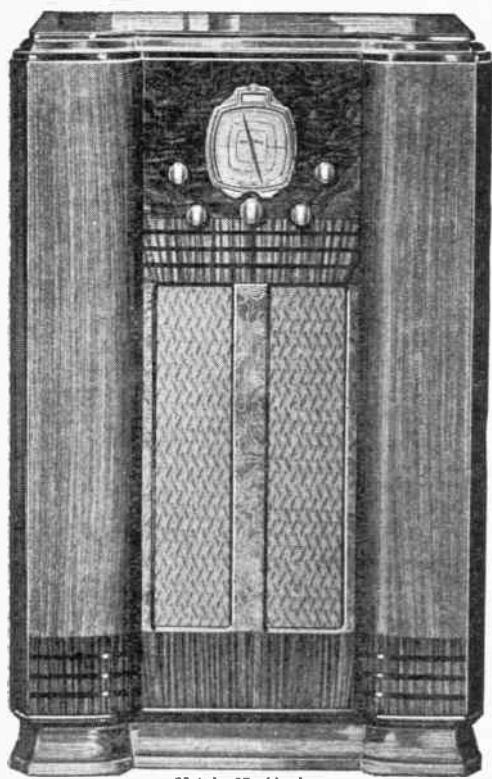
SILVERTONE BATTERIES LAST LONGER

U. S. Broadcasting Stations (Alphabetically by Call Letter)

CALL LETTER	KILO-METERS	CYCLE	LOCATION	POWER	CALL LETTER	KILO-METERS	CYCLE	LOCATION	POWER	CALL LETTER	KILO-METERS	CYCLE	LOCATION	POWER
KABC	211.1	San Antonio, Texas	100	KHQ	590	508.2		Spokane, Wash.	*1000	KXRO	1310	228.9	Aberdeen, Wash.	100
KALE	230.6	Portland, Ore.	500	KICA	1370	218.8		Clovis, New Mexico	100	KXLY	1440	208.2	Houston, Tex.	250
KARK	336.9	Little Rock, Ark.	*250	KICK	1420	211.1		Carter Lake, Iowa	100	KYA	1230	243.8	San Francisco, Calif.	1000
KASA	247.8	Elk City, Okla.	100	KID	1320	227.1		Idaho Falls, Idaho	*250	KYW	1020	293.9	Chicago, Illinois	1000
KBPC	211.1	Portland, Ore.	100	KIDD	1350	222.1		Boise, Idaho	*1000	WAAB	1410	212.6	Boston, Mass.	500
KBTM	249.9	Paragould, Ark.	100	KIDW	1420	211.1		Lamar, Colo.	100	WAAC	920	325.9	Chicago, Illinois	500
KCMG	211.1	Texarkana, Ark.	100	KIEM	1210	247.8		Eureka, Calif.	100	WAAT	940	319.0	Jersey City, N. J.	300
KCRI	218.8	Enid, Okla.	*100	KIEV	850	353.7		Glendale, Calif.	250	WAAW	660	454.3	Omaha, Nebr.	500
KCRJ	228.9	Jerome, Ariz.	100	KIT	1310	228.9		Yakima, Wash.	100	WABC	860	348.6	New York, N. Y.	5000
KDB	199.9	Santa Barbara, Calif.	100	KIBS	1070	280.2		San Francisco, Calif.	500	WABI	1200	249.9	Bangor, Maine	100
KDFN	208.2	Casper, Wyo.	500	KJR	970	309.1		Seattle, Wash.	5000	WACO	1420	211.1	Waco, Texas	100
KDKA	305.9	Pittsburgh, Pa.	50000	KLCN	1290	232.4		Blytheville, Ark.	100	WADC	1320	227.1	Tallmadge, Ohio	*1000
KDLR	247.8	Dees Lake, N. D.	100	KLO	1400	214.2		Ogden, Utah	500	WAGM	1420	211.1	Presque Isle, Me.	100
KDYL	232.4	Salt Lake City, Utah	1000	KLPM	1240	211.1		Minot, N. D.	250	WAIU	640	468.5	Columbus, Ohio	500
KECA	209.7	Los Angeles, Calif.	*1000	KLRA	1390	215.7		Little Rock, Ark.	*1000	WALA	1340	217.3	Mobile, Ala.	100
KELW	384.4	Burbank, Calif.	500	KLS	1440	208.2		Oakland, Calif.	250	WALR	1210	247.8	Zanesville, Ohio	100
KERN	218.8	Bakersfield, Calif.	100	KLUF	1370	218.8		Galveston, Texas	100	WAMC	1420	211.1	Anniston, Ala.	100
KEX	254.1	Portland, Ore.	5000	KLX	880	340.7		Medford, Ore.	1000	WAML	1310	228.9	Laurel, Miss.	100
KFAB	389.4	Lincoln, Nebr.	25000	KLZ	560	535.4		Denver, Colo.	*1000	WAPI	1140	263.0	Birmingham, Ala.	5000
KFAC	230.6	Los Angeles, Calif.	1000	KMA	930	324.2		Shenandoah, Iowa	*1000	WARD	1400	214.2	Brooklyn, N. Y.	500
KFBB	234.2	Great Falls, Mont.	*1000	KMAC	1370	218.8		San Antonio, Tex.	100	WASH	1270	236.1	Grand Rapids, Mich.	500
KFBF	285.5	Abilene, Kans.	5000	KMBC	950	315.6		Kansas City, Mo.	*1000	WATR	1190	252.0	Waterbury, Conn.	100
KFBK	228.9	Sacramento, Calif.	100	KMEO	1310	228.9		Fresno, Calif.	*100	WAVE	940	319.0	Hopkinsville, Ky.	1000
KFBL	218.8	Everett, Wash.	50	KMJ	580	516.9		Monroe, La.	500	WAWS	1350	222.1	Zarephath, N. J.	250
KFDM	535.4	Beaumont, Texas	*500	KMLB	1200	249.9		Clay Center, Nebr.	100	WAZL	1420	211.1	Hazleton, Pa.	100
KFDY	384.4	Brookings, S. D.	1000	KMMJ	740	405.2		Tacoma, Wash.	1000	WBAA	890	214.2	W. Lafayette, Ind.	*500
KFEL	325.9	Denver, Colo.	500	KMO	1330	225.4		Corvallis, Ore.	250	WBAL	1060	282.8	Baltimore, Maryland	10000
KFEQ	440.4	St. Joseph, Mo.	2500	KMOK	1090	275.1		St. Louis, Mo.	50000	WBAP	800	374.8	Ft. Worth, Tex.	50000
KFGQ	228.4	Boone, Iowa	100	KMPC	710	422.3		Beverly Hills, Calif.	500	WBAX	1210	247.8	Wilkes-Barre, Pa.	100
KFHK	230.6	Wichita, Kans.	1000	KMTR	570	526.0		Los Angeles, Calif.	1000	WBBC	1400	214.2	Brooklyn, N. Y.	500
KFI	468.5	Los Angeles, Calif.	50000	KNOW	1500	199.9		Austin, Texas	100	WBBL	1210	247.8	Richmond, Va.	100
KFID	267.7	Spokane, Wash.	100	KNX	1050	285.5		Los Angeles, Calif.	50000	WBMM	770	389.4	Chicago, Illinois	25000
KFIZ	211.1	Fond du Lac, Wis.	100	KOA	830	361.2		Denver, Colo.	50000	WBRR	1300	230.6	Brooklyn, N. Y.	1000
KFJB	249.9	Marshalltown, Iowa	*100	KOAC	550	545.1		Albuquerque, N. M.	1000	WBZZ	1200	249.9	Ponca City, Okla.	100
KFJJ	247.3	Klamath Falls, Ore.	100	KOB	1180	254.1		Reno, Nev.	10000	WBCM	1410	212.6	Bay City, Michigan	500
KFJM	218.8	Grand Forks, N. D.	100	KOH	1380	217.3		Council Bluffs, Iowa	*1000	WBEN	900	333.1	Buffalo, N. Y.	1000
KFJR	230.5	Portland, Ore.	500	KOIL	1260	238.0		Portland, Oregon	*1000	WBHS	1200	249.9	Marquette, Mich.	100
KFJZ	218.8	Ft. Worth, Tex.	100	KOIN	940	319.0		Seattle, Wash.	*1000	WBIG	1440	208.2	Huntsville, Ala.	100
KFKA	340.7	Greeley, Colo.	*500	KOL	1270	236.1		Seattle, Wash.	1000	WBRE	1310	228.9	Greensboro, N. C.	*500
KFKU	245.6	Lawrence, Kans.	1000	KOMA	1480	202.6		Oklahoma City, Okla.	50000	WBNO	1200	249.9	Hackensack, N. J.	250
KFKX	293.9	Chicago, Illinois	10000	KOMO	920	325.9		Seattle, Wash.	1000	WBNS	1430	209.7	New Orleans, La.	100
KFLV	212.5	Rockford, Illinois	500	KONO	1370	218.8		San Antonio, Tex.	100	WBNTX	1350	222.1	Columbus, Ohio	500
KFLX	218.5	Galveston, Texas	100	KOOS	1370	218.8		Marshfield, Ore.	10000	WBQ	860	348.6	New York, N. Y.	50000
KFMX	239.9	Northfield, Minn.	1000	KORE	1420	211.1		Eugene, Ore.	100	WBOW	1310	228.9	Terre Haute, Ind.	100
KFNF	336.9	Shenandoah, Iowa	*500	KOTN	1500	199.9		Pine Bluff, Ark.	*500	WBRC	930	322.4	Birmingham, Ala.	1000
KFOR	247.8	Lincoln, Nebr.	*100	KOY	1390	215.7		Phoenix, Ariz.	100	WBRE	1310	228.9	Wilkes Barre, Pa.	100
KFOX	239.9	Long Beach, Calif.	1000	KPCB	650	461.3		Seattle, Wash.	100	WBSO	920	325.9	Needham, Mass.	500
KFPL	228.9	Dublin, Texas	100	KPKJ	1500	199.9		San Francisco, Calif.	50000	WBT	1080	277.6	Charlotte, N. C.	50000
KFPM	228.9	Greenville, Tex.	15	KPO	680	440.9		Denver, Colo.	500	WBTM	1370	218.8	Danville, Va.	100
KFPW	247.8	Ft. Smith, Ark.	100	KPOF	880	340.7		Pasadena, Calif.	50	WBZ	990	302.8	Boston, Mass.	50000
KFPY	223.7	Spokane, Wash.	1000	KPPC	1210	247.8		Santa Ana, Calif.	100	WCAC	600	499.7	Storrs, Conn.	500
KFQD	499.7	Anchorage, Alaska	250	KPQ	1500	199.9		Harlingen, Texas	10000	WCAD	1220	245.6	Canton, N. Y.	500
KFRG	491.5	San Francisco, Calif.	*1000	KPRC	920	325.9		Houston, Texas	*1000	WCAE	1220	245.6	Pittsburgh, Pa.	1000
KFRU	475.9	Columbia, Mo.	500	KQV	1380	217.3		Pittsburgh, Pa.	500	WCAL	1250	239.9	Northfield, Minn.	*1000
KFSO	497.7	San Diego, Calif.	1000	KQW	1010	296.9		San Jose, Calif.	1000	WCAM	1280	234.2	Camden, N. J.	500
KFSG	267.7	Los Angeles, Calif.	500	KRE	1370	218.8		Berkeley, Calif.	100	WBQ	860	499.7	Baltimore, Md.	500
KFUO	545.1	Clayton, Mo.	*500	KREG	1500	199.9		Santa Ana, Calif.	10000	WCBD	1080	277.6	Asbury Park, N. J.	500
KFVD	299.8	Los Angeles, Calif.	250	KRGV	1260	238.0		SioUX City, Iowa	*1000	WCCH	1370	218.8	Rapid City, S. D.	100
KFVS	247.8	Cape Girardeau, Mo.	*100	KRKD	1120	267.7		Sioux City, Iowa	10000	WCCT	1200	249.9	Philadelphia, Pa.	50000
KFWB	315.6	Hollywood, Calif.	1000	KRLD	1040	288.3		Los Angeles, Calif.	10000	WCDA	1220	245.6	Burlington, Vt.	100
KFXD	249.9	Nampa, Idaho	100	KRMD	1310	228.9		Los Angeles, Calif.	10000	WCAX	1200	249.9	Charleston, W. Va.	*250
KFXF	325.9	Denver, Colo.	500	KROW	930	322.4		Manhattan, Kans.	*500	WCBA	1440	208.2	Covington, Kentucky	5000
KFXM	249.9	Grand Junction, Colo.	100	KRSC	1120	267.7		Seattle, Wash.	1000	WCBD	1080	277.6	Carthage, Ill.	100
KFXN	247.8	San Bernardino, Calif.	100	KSAC	580	516.9		Twins Falls, S. D.	2500	WCCK	1490	201.6	Allentown, Pa.	250
KFXR	228.9	Oklahoma City, Okla.	*100	KSCJ	1330	225.4		Sioux City, Iowa	*1000	WCDC	1080	277.6	Zion, Illinois	5000
KFYO	228.9	Lubbock, Texas	*100	KSD	550	545.1		St. Louis, Mo.	500	WCSD	1370	218.8	Baltimore, Md.	*100
KFYR	545.1	Bismarck, N. D.	*1000	KSEI	900	333.1		Pocatello, Idaho	*500	WCBS	1210	247.8	Springfield, Ill.	100
KGA	204.9	Spokane, Wash.	5000	KSL	1130	265.3		Salt Lake City, Utah	50000	WCDO	810	370.2	Minneapolis, Minn.	50000
KGAR	218.8	Tucson, Ariz.	*100	KSLM	1370	218.8		Oakland, Calif.	1000	WCFL	970	309.1	Chicago, Illinois	1500
KGB	225.4	San Diego, Calif.	*1000	KSO	1320	218.8		Des Moines, Iowa	*250	WCHS	580	516.9	Charleston, W. Va.	*250
KGBU	333.1	Ketchikan, Alaska	500	KSOO	1110	270.1		Sioux Falls, S. D.	2500	WCKY	1490	201.6	Covington, Kentucky	5000
KGBX	228.9	Springfield, Mo.	100	KSTP	1460	205.4		Manhattan, Kans.	10000	WCDC	1200	249.9	Janesville, Wis.	100
KGBZ	322.4	York, Nebr.	*1000	KTSN	1200	249.9		St. Paul, Minn.	10000	WCSD	1200	249.9	Brooklyn, N. Y.	*100
KGCA	236.1	Decorah, Iowa	100	KTAB	560	535.4		Lowell, Ariz.	10000	WCFL	1310	228.9	Pensacola, Fla.	500
KGCU	249.9	Mandan, N. D.	250	KTAR	620	483.6		Phoenix, Ariz.	*500	WCOC	880	340.7	Meridian, Miss.	*500
KGCX	228.9	Wolf Point, Mont.	*100	KTAT	1240	241.8		Ft. Worth, Tex.	1000	WCRA	1070	280.2	Chicago, Ill.	100
KGDE	249.9	Fergus Falls, Minn.	*100	KTBS	1450	206.8		Shreveport, La.	100	WCSC	1440	208.2	Charleston, S. C.	*500
KGDM	272.6	Stockton, Calif.	250	KTFI	1240	241.8		Twins Falls, Idaho	500	WCSD	1360	220.4	Portland, Maine	*1000
KGDY	223.7	Huron, S. D.	250	KTHS	1040	288.3		Ilot Springs, Ark.	10000	WCWH	940	319.0	Tampa, Fla.	*1000
KGEK	249.9	Yuma, Colo.	100	KTM	780	384.4		Los Angeles, Calif.	*500	WDOA	1220	245.6	Kansas City, Mo.	1000
KGER	220.4	Long Beach, Calif.	1000	KTRB	1330	225.4		Los Angeles, Calif.	2500	WDOF	610	491.5	Amarillo, Tex.	*1000
KGEZ	228.9	Kalispell, Mont.	100	KTRH	1240	241.8		Houston, Tex.	*1000	WDAG	1410	212.		



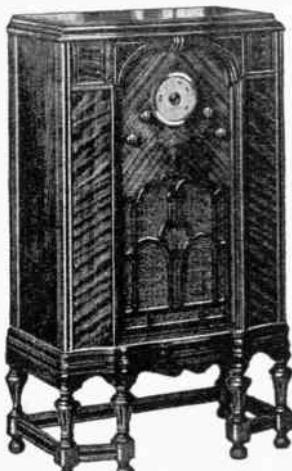
SILVERTONE ROAME



Height 37 $\frac{3}{4}$ inches

Model 1830—All Wave

Tour the world from your armchair with this 11-tube all wave Silvertone. London—Berlin—Paris—Madrid—Rome—Caracas—Bogota—Mexico City—Canada and many others can be included in your itinerary. In addition you get a furniture piece that is a work of art. Truly the radio set of tomorrow! Equipped with fully guaranteed Silvertone tubes and all-wave aerial.



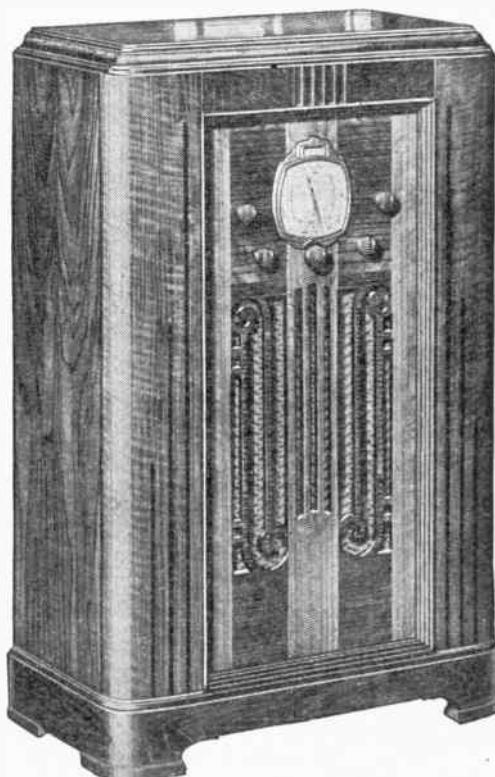
Height 39 $\frac{3}{4}$ inches

Model 1828—Dual Wave

Every one of the 14 tubes in this Silvertone will do its share to bring you the best in entertainment from foreign lands or American stations. Its 12 inch full dynamic speaker will thrill you with its faithful reproduction of both speech and music. The six-legged conventional cabinet of expensive woods and veneers is a perennial favorite with home decorators. Equipped with fully guaranteed Silvertone tubes and short wave aerial.

Page Eight

Whether you want to listen to an opera from Rome, a fandango from Madrid or a tango from South America, these and more are yours with a new Silvertone Radio. And just as thrilling is the reception of distant stations on the North American continent never heard before.



Height 37 inches

Model 1829—All Wave

Classical Moderne is the cabinet styling of this very attractive Silvertone 8-tube all-wave American and Foreign Broadcast Receiver. Tuning range 18 to 545 meters, inclusive. World wide reception plus tone reproduction that beggars description. Of course it has the latest features such as automatic volume control—new streamlined airplane dial—tone compensator—four band tuning switch—and many others. Superb hand rubbed cabinet of costly woods and walnut veneers. Equipped with fully guaranteed Silvertone tubes and special Silvertone all-wave aerial system.

Sold Excl.

Sears, Roebuck & Company

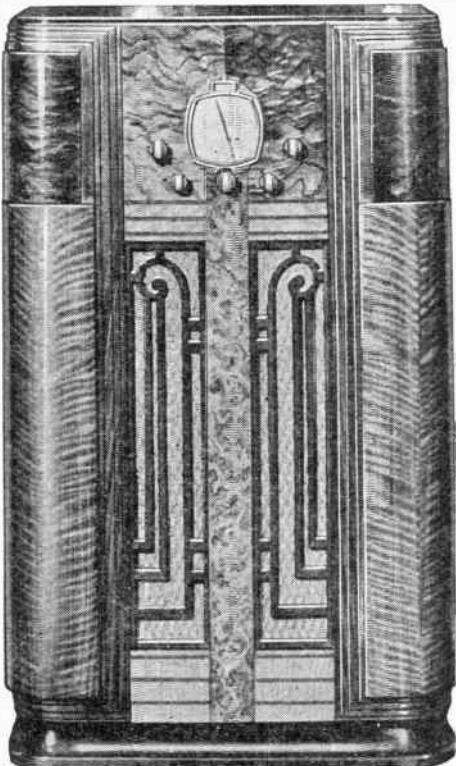
The World's Largest Department Store

ONE WORLD RADIO



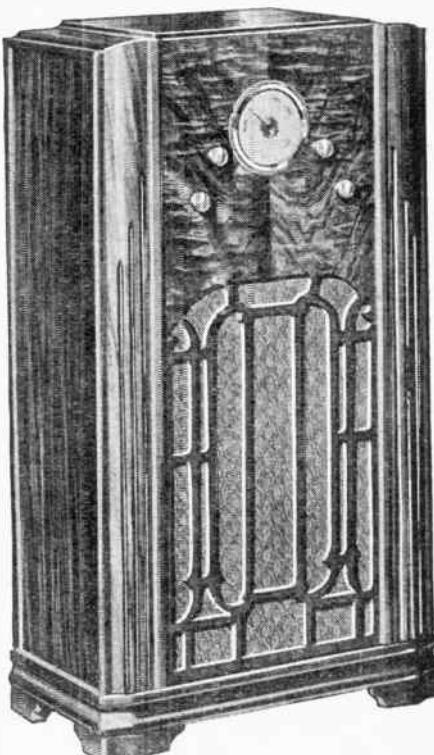
The utmost in radio enjoyment is provided by the almost "in person" reproduction of Silvertone Radios. It's exciting to listen to foreign stations, but the real enjoyment of radio lies in the faithfulness of reproduction which makes you feel "there."

**BY PAYMENT
is it possible
conveniently
model radio.**



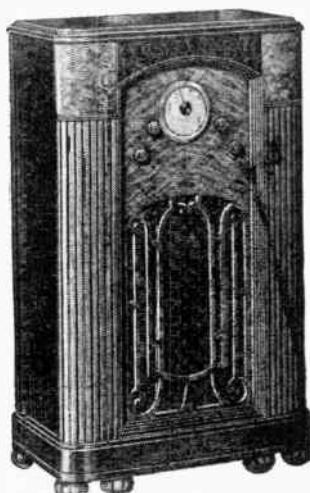
Height 42 $\frac{3}{4}$ inches
Model 1831—All Wave

Roam to Rome or Roll to Rio with this finest of 14-tube all-wave American and Foreign Receiver. Tuning range 16 to 555 meters, inclusive. Four tuning bands—Visual Tuning Meter—in fact, every worthwhile feature is incorporated, plus two full dynamic loudspeakers for that "in person" reproduction so important to real radio enjoyment. Exquisite hand rubbed rounded corner, pedestal base cabinet of rich walnut veneers trimmed with rosewood. Equipped with fully guaranteed factory matched Silvertone tubes and special Silvertone all-wave aerial system.



Height 37 $\frac{1}{4}$ inches
Model 1826—Dual Wave

A powerful 7-tube American and Foreign Broadcast receiver with aeroplane dial—automatic volume control—full dynamic speakers—tone control and other features. Tunes in foreign programs in addition to standard broadcasts. Equipped with fully guaranteed Silvertone tubes and special short wave aerial—a remarkable value.



Height 36 $\frac{3}{4}$ inches

Model 1827—Dual Wave

Outstanding performance on both Foreign short wave programs and standard broadcast reception characterizes this 11-tube Silvertone. Exceptional tonal qualities and cabinet beauty combine to make it a musical instrument to enjoy and admire. Equipped with fully guaranteed Silvertone tubes and special short wave aerial.

isively by
Huck and Co.

Largest Store

SILVERTONE TUBES ARE PRECISION BUILT

U. S. Broadcasting Stations—cont.

CALL LETTER	Kilo-meter	LOCATION	Power	CALL LETTER	Kilo-meter	LOCATION	Power
WFAB	1300	New York, N. Y.	1000	WKZO	590	508.2	Kalamazoo, Mich.
WFAM	1200	South Bend, Ind.	100	WLAC	1470	204.0	Nashville, Tenn.
WFAS	1210	White Plains, N. Y.	100	WLAP	1420	211.1	Louisville, Kentucky
WFBC	1300	Greenville, S. C.	*250	WLB	1250	239.9	Minneapolis, Minn.
WFBE	1300	Cincinnati, Ohio	*100	WLBC	1310	228.9	Muncie, Ind.
WFBG	1310	Altoona, Pa.	100	WLBF	1420	211.1	Kansas City, Kans.
WFBL	1360	Syracuse, N. Y.	*1000	WLBL	900	333.1	Stevens Point, Wis.
WFBM	1230	Indianapolis, Ind.	1000	WLBL	1260	238.0	Erie, Pa.
WFBR	1270	Baltimore, Md.	500	WLBY	620	483.6	Bangor, Me.
WFDF	1310	Flint, Mich.	100	WLEU	1420	211.1	Erie, Pa.
WFEA	1340	Manchester, N. H.	500	WLEY	1370	218.8	Lexington, Mass.
WFI	560	Philadelphia, Pa.	500	WLIT	560	535.4	Philadelphia, Pa.
WFLA	620	Clearwater, Fla.	*250	WLNL	1310	228.9	Lacoma, N. Y.
WGAL	1500	Lancaster, Pa.	*100	WLS	870	344.6	Chicago, Ill.
WGAR	1450	Cleveland, Ohio	*500	WLTH	1400	214.2	Brooklyn, N. Y.
WGBB	1210	Freeport, N. Y.	100	WLVA	1200	218.8	Lynchburg, Va.
WGCF	630	Evanston, Ind.	500	WLW	700	428.3	Cincinnati, Ohio
WGFI	880	Scranton, Pa.	250	WLWL	1100	272.6	New York, N. Y.
WGCM	1210	Mississippi City, Miss.	100	WMAL	630	475.9	Washington, D. C.
WGCP	1250	Newark, N. J.	250	WMAQ	670	447.5	Chicago, Illinois
WGES	1360	Chicago, Ill.	*500	WMAS	1420	211.1	Springfield, Mass.
WGH	1310	Newport News, Va.	100	WMZ	1180	336.9	Macomb, Ga.
WGL	1370	Ft. Wayne, Indiana	100	WMAC	1420	211.1	Detroit, Michigan
WGLC	1370	Glen Falls, N. Y.	100	WMBD	1440	208.2	Peoria, Ill.
WGN	720	Chicago, Illinois	50000	WMBF	1300	230.6	Miami, Fla.
WGNY	1210	Chester Township, N. Y.	100	WMBG	1210	247.8	Richmond, Va.
WGPC	1420	Americus, Ga.	100	WMBH	1420	211.1	Joplin, Mo.
WGR	550	Buffalo, N. Y.	1000	WMBI	1080	277.6	Chicago, Ill.
WGST	890	Atlanta, Ga.	*250	WMBM	1310	228.9	Auburn, New York
WGTY	790	Schenectady, N. Y.	50000	WMBQ	1500	199.9	Brooklyn, N. Y.
WHA	940	Madison, Wis.	*1000	WMBR	1370	218.8	Tampa, Fla.
WHAM	1150	Rochester, N. Y.	50000	WMC	780	384.4	Memphis, Tenn.
WHAS	820	Louisville, Kentucky	50000	WMCA	570	526.0	New York, N. Y.
WHAT	1310	Philadelphia, Pa.	100	WMEX	1500	199.9	Chelesia, Mass.
WHAZ	1300	Troy, N. Y.	500	WMMN	890	336.9	Fairmont, W. Va.
WHB	860	Kansas City, Mo.	500	WMPC	1500	199.9	Lapeer, Mich.
WHBC	1200	Canton, Ohio	100	WMT	600	499.7	Waterloo, Iowa
WHBD	1370	Mt. Orab, Ohio	100	WNAC	1230	243.8	Boston, Mass.
WHBF	1210	Rock Island, Ill.	100	WNAD	1010	296.9	Norman, Okla.
WHBL	1410	Sheboygan, Wis.	500	WNAX	570	526.0	Yankton, S. D.
WHBO	1370	Memphis, Tenn.	100	WNBF	1500	199.9	Binghamton, N. Y.
WHBU	1210	Anderson, Ind.	100	WNBH	1310	228.9	New Bedford, Mass.
WHBY	1200	Green Bay, Wis.	100	WNBO	1200	249.9	Silver Haven, Pa.
WHDF	1370	Calumet, Mich.	*100	WNBR	1430	209.7	Memphis, Tenn.
WHDH	830	Boston, Mass.	1000	WNBX	1260	238.0	Springfield, Vt.
WHDL	1420	Tupper Lake, N. Y.	100	WNBW	1290	232.4	Saranac Lake, N. Y.
WHEB	740	Portsmouth, N. H.	250	WNEL	1290	232.4	San Juan, P. R.
WHEC	1430	Rochester, N. Y.	*500	WNEX	1250	239.9	Newark, N. J.
WHEF	1500	Kosciusko, Miss.	*100	WNHO	1010	535.4	Knoxville, Tenn.
WHER	1370	Dothan, Alabama	100	WNRA	1420	211.1	Muscle Shoals City, Ala.
WHFC	1420	Cicero, Ill.	100	WNYC	810	370.2	Fairmont, W. Va.
WHIS	1410	Bluefield, W. Va.	250	WOAI	1190	252.0	San Antonio, Tex.
WHKR	1390	Cleveland, Ohio	*1000	WOC	1000	299.8	Davenport, Iowa
WHNN	1010	New York, N. Y.	1000	WOCL	1210	247.8	Jamestown, N. Y.
WHO	1000	Des Moines, Iowa	50000	WODX	1410	212.6	Mobile, Ala.
WHOM	1450	Jersey City, N. J.	250	WOI	640	468.5	Ames, Iowa
WHP	1430	Harrisburg, Penn.	*500	WOKO	1430	209.7	Albany, N. Y.
WIBA	1280	Bridgeport, Conn.	*500	WORK	1000	299.8	Worcester, Mass.
WIBG	970	Madison, Wis.	*500	WOS	630	475.9	York, Penn.
WIBM	1370	Glenside, Pa.	100	WOSU	570	526.0	Jefferson City, Mo.
WIBU	1210	Jackson, Mich.	100	WOOD	1270	236.1	Columbus, Ohio
WIBW	580	Poynette, Wis.	100	WOPJ	1500	199.9	New York, N. Y.
WIBX	1200	Topeka, Kan.	1000	WOR	710	422.3	Omaha, Nebr.
WICC	600	Utica, New York	*100	WORC	1200	249.9	Ft. Wayne, Ind.
WIL	1200	Bridgeport, Conn.	*500	WOWK	1000	299.8	Vicksburg, Miss.
WILL	890	St. Louis, Mo.	*100	WOT	1310	228.9	St. Albans, Vt.
WILM	1420	Wilmington, Del.	100	WOMT	1210	247.8	Washington, D. C.
WIND	560	Gary, Ind.	*1000	WOWL	1190	252.0	Manitowoc, Wis.
WINS	1180	New York, N. Y.	1000	WOWN	1000	299.8	Grand Rapids, Mich.
WIOD	1300	Miami, Fla.	1000	WOWO	1160	258.5	Bristol, Tenn.
WIP	610	Philadelphia, Pa.	*500	WPAD	1420	211.1	Raleigh, N. C.
WIS	560	Columbia, S. C.	*1000	WPEN	1500	325.9	Mobile, Ala.
WISN	1120	Milwaukee, Wis.	*250	WPFB	1370	218.8	Paducah, Kentucky
WJAC	1310	Johnstown, Pa.	100	WPFG	1100	272.6	Philadelphia, Pa.
WJAG	1060	Norfolk, Nebr.	1000	WPGR	880	249.9	Hattiesburg, Miss.
WJAR	890	Providence, R. I.	*250	WPRO	630	247.8	Atlantic City, N. J.
WJAS	1290	Pittsburgh, Pa.	*1000	WPFT	680	440.9	Petersburg, Va.
WJAX	900	Jacksonville, Fla.	1000	WQAM	560	535.4	Providence, R. I.
WJBC	610	Cleveland, Ohio	1000	WQAN	880	340.7	Raleigh, N. C.
WJBI	1200	LaSalle, Ill.	100	WQBC	1360	220.4	Miami, Fla.
WJBK	1210	Red Bank, N. J.	100	WQDM	1370	218.8	Scranton, Pa.
WJBL	1370	Detroit, Mich.	100	WQDX	1210	247.8	Vicksburg, Miss.
WJBO	1420	Decatur, Illinois	100	WRAM	1500	199.9	St. Albans, Vt.
WJBW	1200	New Orleans, La.	100	WRAN	1310	228.9	St. Albans, Vt.
WJBY	1210	New Orleans, La.	100	WRAX	1020	325.9	Washington, D. C.
WJD	1270	Gadsden, Ala.	100	WRBL	1200	249.9	Manhattan, N. Y.
WJEM	1210	Jackson, Miss.	*1000	WRBX	1410	212.6	Atlantic City, N. J.
WJEM	990	Tupelo, Miss.	100	WRC	950	315.6	Williamsport, Pa.
WJIM	1210	Lansing, Mich.	100	WRDM	620	483.6	Columbus, Ga.
WJJD	1130	Mooseheart, Ill.	20000	WRDW	1370	218.8	Roanoke, Va.
WJMS	1420	Ironwood, Mich.	100	WRER	600	499.7	Wilmington, N. C.
WJR	750	Detroit, Michigan	10000	WREW	1220	245.6	Reading, Pa.
WJSV	1460	Alexandria, Va.	10000	WRGA	1500	199.9	Reading, Pa.
WTJL	1370	Oglethorpe University, Ga.	100	WRHM	1250	239.9	Memphis, Tenn.
WJW	1210	Akron, Ohio	100	WRJN	1370	218.8	Lawrence, Kansas
WJZ	760	New York, N. Y.	*30000	WROK	1410	212.6	Rome, Ga.
WKAQ	1240	Youngstown, Ohio	500	WROL	1310	228.9	Wilmington, Del.
WKAR	1040	Harrisburg, Pa.	1000	WRSS	1450	206.8	Augusta, Ga.
WKBV	1210	Connersville, Ind.	100	WRSA	1190	252.0	Memphis, Tenn.
WKBW	1500	East Dubuque, Ill.	100	WRUF	830	361.2	Lawrence, Kansas
WKBF	1400	Indianapolis, Ind.	*500	WRVA	1110	270.1	Rome, Ga.
WKBH	1380	LaCrosse, Wis.	1000	WSAI	1330	225.6	Minneapolis, Minn.
WKBK	1420	Cicero, Illinois	100	WSAJ	1310	228.9	Cincinnati, Ohio
WKBN	570	Youngstown, Ohio	500	WSAN	1440	208.2	Grove City, Pa.
WKBQ	1200	249.9	100	WSAR	1450	228.9	Allentown, Pa.
WKBV	1420	211.1	100	WRR	1280	234.2	Knoxville, Tenn.
WKBW	1480	202.6	100	WSAZ	1190	252.0	Dallas, Tex.
WKBZ	1500	199.9	5000	WSB	740	405.2	Atlanta, Ga.
WKEU	1500	Ludington, Mich.	100	WSBC	1210	247.8	Chicago, Ill.
WKFJ	1210	LaGrange, Ga.	100	WSBT	1230	243.8	Huntington, W. Va.
WJKC	1200	Greenville, Miss.	100	WSEN	1210	247.8	Montgomery, Ala.
WKKO	1210	Lancaster, Pa.	*100	WSFA	1410	212.6	Birmingham, Ala.
WKKR	550	Sunbury, Pa.	100	WSGN	1310	228.9	Springfield, Tenn.
WKY	900	Oklahoma City, Okla.	*500	WSIX	1210	237.8	Winston-Salem, N. C.
			1000	WSJS	1310	228.9	Winnipeg, Manitoba

Ten Rules for Better Short Wave Reception

- Have an efficient short wave aerial. It must be directional and point in the direction from which short wave reception is wanted.
 - Have patience. Tune slowly—exceedingly slow. Go over each band several times. Tuning quickly will not produce results.
 - Tune when the station you want to hear is on the air. Consult your radiogram. Don't try to hear stations that are not on the air and then blame the receiver if you do not get them.
 - Operate with the volume and sensitivity controls well advanced. Ascertain the best position for either or both.
 - Make a complete tuning log of your receiver. Whenever you hear a new short wave station, log the position on the dial and the time received. This will help trace other station positions on your receiver and will enable you to get the station logged again, when wanted.
 - In attempting to tune in a station heard before, remember that short wave reception varies greatly. A station will be heard very loud one day and may not be obtained at all the next.
 - Foreign short wave stations operate on many frequencies (wave lengths). They are also subject to change. A short wave station may be listed on one frequency and yet it will be broadcasting on another.
 - Do not depend entirely on printed frequencies and time schedules for short wave stations. The information is correct at the time of printing. Allowance must be made for changes in time and frequencies, which occur after printing.
 - Consider the time difference when tuning for foreign short wave stations. Consult the World Time Chart or figure the time difference yourself so that tuning will be done when the stations are likely to be on the air.
 - Generally, the following should be observed for best results. From early dawn to about mid-day tune between 13 and 21 meters. Tune between 20 and 35 meters from about mid-day to 8:00 P. M., for short wave stations located in the eastern part of the world, such as England, Germany, Spain, Italy, etc. Tune on this same band from about 1:00 A. M. to dawn for stations in the Western part of the world. After dark it is
- Continued on page 15
- ### How to Identify Most Popular Stations by their Signatures
- Where the native language cannot be translated, foreign stations may often be identified and logged by listening closely to characteristic announcements and signatures. Some of the most common of these signs are given below.
- Strokes of Big Ben, London, GSB Daventry Eng.
 - Melody on bells, repeated, GSD, Daventry, Eng.
 - "Hello, hello, here is Moscow"
 - RKF, RV59, Moscow, U. S. S. R.
 - Playing of "Marseillaise", FYA, Pontoise, France
 - "Pronto, pronto, Radio Vaticano"
 - HJV, Vatican City, Rome
 - "Radio Roma-Napoli" 12RO Rome, Italy
 - "This is Huizen" PHI, Hilversum, Holland
 - Peculiar call of the Kookaburra Bird at start and finish of programs
 - VK2ME, Sydney Australia
 - "Ay-ah-coo" EAQ, Madrid, Spain
 - Cuckoo calls between selections
 - CT1AA, Lisbon, Portugal
 - Hello, Hello, Polski Radjo-Poznan"
 - SRI, Poznan, Poland
 - Radio Club de Brazil"
 - PRBA, Rio de Janeiro, Brazil
 - Radio Rabat dans Maroc"
 - CNR, Rabat, Morocco
 - "Achay-kah-eifay, Bagota" HKF, Bogota Col.
 - "La Vox de Lago"
 - YV1IBMO, Caracas, Venezuela
 - Playing of "The Internationale"
 - RV59, Moscow, U. S. S. R.
 - Krr-ah-kas..... YV3BC, Caracas, Venezuela
- * Indicates Station Uses More Power in the Daytime

SEARS SELLS MOST "B" BATTERIES

U. S. Broadcasting Sta.—cont.

CALL	Kilo-	Meters	LOCATION	Power
WSM	650	461.3	Nashville, Tenn.	50000
WSMB	1320	227.1	New Orleans, La.	1000
WSMK	1380	217.3	Dayton, Ohio	200
WSOC	1210	247.8	Charlotte, N. C.	*100
WSPA	1420	211.1	Spartanburg, S. C.	*100
WSPD	1340	223.7	Toledo, Ohio	*1000
WSUI	880	340.7	Iowa City, Iowa	500
WSUN	620	483.6	Clearwater, Fla.	*250
WSVA	550	545.1	Staunton, Va.	500
WSVS	1370	218.8	Buffalo, N. Y.	100
WSYB	1500	199.9	Rutland, Vt.	250
WSYR	570	526.0	Syracuse, N. Y.	250
WSYU	570	526.0	Syracuse, N. Y.	250
WTAD	1440	208.2	Quincy, Illinois	500
WTAG	580	516.9	Worcester, Mass.	*250
WTAM	1070	280.2	Cleveland, Ohio	50000
WTAQ	1330	225.4	Eau Claire, Wis.	1000
WTAR	780	384.4	Norfolk, Va.	500
WTAW	1120	267.7	College Station, Tex.	500
WTAX	1210	247.8	Springfield, Ill.	100
WTBO	800	211.1	Cumberland, Md.	250
WTCL	1310	228.9	Philadelphia, Pa.	100
WTFI	1450	206.8	Athens, Ga.	500
WTIC	1060	282.8	Hartford, Conn.	50000
WTJS	1310	228.9	Jackson, Tenn.	*100
WTMJ	620	483.6	Milwaukee, Wis.	*1000
WTNJ	1280	234.2	Trenton, N. J.	500
WTOC	1260	238.0	Savannah, Ga.	1000
WTRC	1310	228.9	Elkhart, Ind.	*50
WVFW	1400	214.2	Brooklyn, N. Y.	500
WWAE	1200	249.9	Hammond, Ind.	100
WWJ	920	325.9	Detroit, Mich.	1000
WWL	850	353.7	New Orleans, La.	10000
WWNC	570	526.0	Asheville, N. C.	1000
WWRL	1500	199.9	Woodside, N. Y.	*100
WWSW	1500	199.9	Pittsburgh, Pa.	*100
WWVA	1160	258.5	Wheeling, W. Va.	1000
WXZ	1240	241.8	Detroit, Mich.	1000

Canadian Broadcasting Stations

CFAC	930	322.4	Calgary, Alta.	100
CFBD	1210	247.8	St. John, N. B.	100
CFCF	600	499.7	Montreal, Que.	500
CFCH	930	322.4	North Bay, Ont.	100
CFCN	1030	291.1	Calgary, Alta.	10000
CFCO	600	499.7	Chatham, Ont.	50
CFCT	1450	206.8	Victoria, B. C.	50
CFCY	630	475.9	Charlottetown, P. E. I.	500
CFJC	110	228.9	Kamloops, B. C.	100
CFLC	930	322.4	Prescott, Ont.	100
CFNB	1030	291.1	Fredericton, N. B.	500
CFPL	730	410.7	London, Ont.	100
CFQC	1230	243.8	Saskatoon, Sask.	500
CFRB	690	434.5	Toronto, Ont.	10000
CFRC	1510	198.6	Kingston, Ont.	100
CFTP	1120	267.7	Edmonton, Alta.	100
CHAB	1200	249.9	Moose Jaw, Sask.	100
CHCM	1310	228.9	Charlottetown, P. E. I.	50
CHGS	1120	267.7	Summerside, P. E. I.	50
CHLP	1120	267.7	Montreal, Que.	100
CHML	1010	296.9	Hamilton, Ont.	50
CHNC	1210	247.8	New Carlisle, Que.	100
CHNS	1050	285.5	Halifax, N. S.	500
CHRC	930	322.4	Quebec, Que.	100
CHSJ	1370	218.8	St. John, N. B.	100
CHWC	1010	296.9	Regina, Sask.	500
CHWX	780	384.4	Chilliwack, B. C.	100
CIAT	1200	249.9	Trail, B. C.	50
CICA	730	410.7	Edmonton, Alta.	1000
CICB	880	340.7	Sydney, N. S.	50
CICI	690	434.5	Calgary, Alta.	100
CIGX	630	475.9	Winnipeg, Man.	500
CIKL	1310	228.9	Kirkland Lake, Ont.	100
CJLS	1310	228.9	Yarmouth, N. S.	100
CJOC	840	356.9	Lethbridge, Alta.	100
CJOR	600	499.7	Vancouver, B. C.	500
CIRC	1390	215.7	Winnipeg, Man.	100
CIRM	540	555.2	Moose Jaw, Sask.	1000
CKBI	1210	247.8	Prince Albert, Sask.	100
CKAC	730	410.7	Montreal, Que.	5000
CIRW	880	340.7	Fleming, Sask.	500
CKCD	1010	296.9	Vancouver, B. C.	100
CKCH	1210	247.8	Hull, Que.	100
CKCK	1010	296.9	Regina, Sask.	500
CKCL	580	516.9	Toronto, Ont.	100
CKCO	1010	296.9	Ottawa, Ont.	100
CKCR	1510	198.6	Waterloo, Ont.	100
CKCY	1310	228.9	Quebec, Que.	50
CKFG	1410	212.6	Vancouver, B. C.	50
CKGB	1420	211.1	Timmins, Ont.	100
CKLW	840	356.9	Windsor, Ont.	5000
CKMC	1210	247.8	Cobalt, Ont.	50
CKMO	1410	212.6	Vancouver, B. C.	100
CKNC	1030	291.1	Toronto, Ont.	100
CKOC	1120	267.7	Hamilton, Ont.	500
CKOV	1210	247.8	Kelowna, B. C.	50
CKPC	930	322.4	Brentford, Ont.	100
CKPR	780	384.4	Fort William, Ont.	50
CKT3	1200	249.9	St. Catharines, Ont.	100
CKUA	580	516.9	Edmonton, Alta.	500
CKWA	1010	296.9	Vancouver, B. C.	100
CKX	1450	206.8	Brandon, Man.	500
CKY	910	329.6	Winnipeg, Man.	5000
CRCW	910	329.6	Montreal, Que.	5000
CRCO	880	340.7	Ottawa, Ont.	1000
CRCS	1500	199.9	Chicoutimi, Que.	100
CRCT	960	312.3	Toronto, Ont.	5000
CRCV	1100	272.6	Vancouver, B. C.	1000

Newfoundland Broadcasting Sta.

VOAS	810	370.2	St. John's	100
VOGY	1400	214.2	St. John's	75
VOVF	1195	251.1	St. John's	400
VOVR	900	333.1	St. John's	500

Cuban Broadcasting Stations

CALL	Kilo-	Meters	LOCATION	Power
CMAB	1249	241.8	Pinar del Rio	20
CMAF	680	440.9	Havana	1000
CMBC	1270	236.1	Havana	150
CMBD	965	312.3	Havana	250
CMBG	1048	288.3	Havana	225
CMBI	1147	261.0	Havana	500
CMBL	1445	208.2	Havana	200
CMBN	1185	254.1	Havana	150
CMBS	768	394.5	Havana	200
CMBW	1140	263.0	Havana	600
CMBY	1230	243.8	Havana	250
CMBZ	1005	299.8	Havana	150
CMC	835	361.2	Havana	500
CMCA	1230	243.8	Havana	150
CMCD	915	329.6	Havana	500
CMCF	875	344.6	Havana	250
CMCG	1140	263.0	Havana	500
CMCI	1185	254.1	Havana	500
CMCN	1357	222.1	Havana	250
CMCP	1270	236.1	Havana	150
CMCQ	765	394.5	Havana	1000
CMCR	1357	222.1	Havana	150
CMCU	1100	272.6	Havana	500
CMCW	965	312.3	Havana	150
CMCY	1316	228.9	Havana	500
CMDD	588	516.9	Havana	150
CMDE	915	329.6	Havana	150
CMGA	834	361.2	Colon	100
CMGB	1205	249.9	Matanzas	30
CMGC	820	365.6	Matanzas	30
CMGE	1375	218.8	Cardenas	30
CMGF	971	309.1	Matanzas	100
CMGH	1040	288.3	Matanzas	15
CMHL	1290	232.4	Cruces	50
CMHW	1200	249.9	Cienfuegos	20
CMJC	1382	217.3	Cienfuegos	100
CMJE	1170	256.3	Camaguey	50
CMIF	910	329.6	Camaguey	200
CMIG	1050	285.5	Camaguey	50
CMIH	1150	260.7	Ciego de Avila	50
CMII	1335	225.4	Ciego de Avila	45
CMIK	790	379.5	Camaguey	500
CMIL	960	312.3	Camaguey	50
CMIN	1240	241.8	Camaguey	50
CMJO	1010	296.9	Ciego de Avila	50
CMJP	1360	220.4	Moron	75
CMK	725	416.4	Havana	5000
CMKC	1034	291.1	Santiago	150
CMKJ	1300	230.6	Guantanamo	20
CMQ	645	468.2	Havana	500
CMW	595	508.2	Havana	1400
CMX	875	344.6	Havana	1000

Silvertone "B" Batteries

Outstanding quality and low prices are the reasons for Sears leadership in "B" Battery sales. Every Silvertone "B" Battery is guaranteed for a definite number of operating hours on a service basis. The operating hours are based on U. S. Government specifications. Silvertone "B" Batteries give more operating hours per dollar.

Size 7x3x7 $\frac{1}{8}$ in. Excellent quality light duty batteries, recommended for auto radios and the like. Meets U. S. Government specifications of 200 hours' service on 1250 ohm intermittent test. For more service per dollar, we recommend Silvertone Super Giant or Super Service Heavy Duty.

Silvertone SUPER GIANT 275 EXTRA HOURS

Size 7 $\frac{1}{4}$ in. high; 4 $\frac{1}{2}$ in. wide 8 $\frac{1}{4}$ in. long

There's no guessing about Silvertone power . . . you buy no "pig in a poke" when you invest in Silvertone! Hook up your set to Super Giant Silvertones and forget your "B" batteries for 7 to 9 months or even a year depending on your set and the number of hours you use it each day. Guaranteed for 675 hours of service based on U. S. Government 1250 ohm intermittent test requirements . . . far in excess of any other battery of similar price.

In ordering refer to No. 5130

Leader Light Duty "B" Battery

Size 6 $\frac{3}{4}$ x2 $\frac{1}{4}$ x2 $\frac{1}{4}$ in. For light duty on very small sets, comparable to batteries usually selling for \$1.25. For longer, more satisfactory service, we recommend the Silvertone Light Duty or the heavy duty batteries shown above. Servelife 150 hours based on U. S. Gov't. Specification.

In ordering refer to No. 5103

Various other size Silvertone "B" Batteries not illustrated or listed here, are available at any Sears Retail Store. The size and type best suited for your radio can be had at a saving.

SILVERTONE "C" Batteries

Genuine Silvertone quality construction and long life.

No. 5119—2 $\frac{1}{2}$ volts. Size, 4 $\frac{1}{4}$ x2 $\frac{1}{4}$ x2 $\frac{1}{4}$ in. A combination small "B" battery and "C" battery. For "C" voltage, tapped at -3, -4 $\frac{1}{2}$, -16 $\frac{1}{2}$, -22 $\frac{1}{2}$ and plus. For "B" voltage, tapped at plus 6, 18, 19 $\frac{1}{2}$, 22 $\frac{1}{2}$ and negative terminal.

No. 5120—4 $\frac{1}{2}$ volts. Size, 4x1 $\frac{3}{4}$ x2 $\frac{1}{4}$ in. Tapped at -1 $\frac{1}{2}$, 4 $\frac{1}{2}$, and plus.

No. 5124—13 $\frac{1}{2}$ volts. Size, 2 $\frac{1}{2}$ x 2 $\frac{1}{2}$ x 2 $\frac{1}{4}$ in. Tapped at -3, -13 $\frac{1}{2}$ and plus.

No. 5125—4 $\frac{1}{2}$ volts. Size, 4x1 $\frac{3}{4}$ x2 $\frac{1}{4}$ in. Tapped at -3, -4 $\frac{1}{2}$ and plus.

Refer to number shown in ordering.

* Indicates Station Uses More Power in the Daytime

• NO BETTER TUBES THAN SILVERTONE AT ANY PRICE •

World's Short Wave Stations Numerically According to Frequency

Mega-cycles	Meters	Call	LOCATION	Mega-cycles	Meters	Call	LOCATION	Mega-cycles	Meters	Call	LOCATION
60.20	4.98	W3XAY	Philadelphia, Pa.	18.54	16.18	VVY	Poona, India	11.95	25.10	RNE	Moscow, U. S. S. R.
60.00	5.0	W3XE	Philadelphia, Pa.	18.52	16.19	DFB	Nauen, Germany	11.945	25.13	FTA	St. Assise, France
		W6XA0	Los Angeles, Calif.	18.46	16.25	HJY	Bogota, Colombia	11.905	25.2	KKQ	Bolinas, Calif.
		W8XAN	Jackson, Mich.	18.41	16.29	GAS	Rugby, England	11.90	25.21	FVA	Pontoise (Paris) Fr.
		WBXF	Pontiac, Mich.	18.40	16.30	PCK	Kootwijk, Holland	11.90	25.21	FZS	Saigon, Indo-China
		W8XL	Cuyahoga Hts., Ohio	18.37	16.33	PMC	Bandoeng, Java	11.88	25.25	FVA	Paris, France
		W9XE	Marion, Ind.	18.35	16.35	WLA	Lawrenceville, N. J.			W9XF	Chicago, Ill.
		W1XW	Milton, Mass.	18.31	16.38	FZS	Saigon, Indo-China	11.87	25.27	W8XK	E. Pittsburgh, Pa.
		W2XAK	New York, N. Y.			GBS	Rugby, England	11.865	25.28	GSE	Daventry, England
		W2XF	New York, N. Y.	18.30	16.39	VVR	Maracay, Venezuela	11.84	25.34	W9XA0	Chicago, Ill.
		W2XR	Rocky Point, N. Y.	18.24	16.44	FRE	St. Assise, France	11.83	25.36	W2XE	Wayne, N. J.
		W3XAD	Camden, N. J.			FRO	St. Assise, France			W9XAA	Chicago, Ill.
		W6XA0	Phoenix, Ariz.			CPS	La Paz, Bolivia	11.81	25.4	I2RO	Rome, Italy
54.20	5.53	W3XAY	Philadelphia, Pa.	18.20	16.48	PLE	Bandoeng, Java	11.80	25.42	VE9GW	Ontario, Canada
53.80	5.57	W3XAY	Philadelphia, Pa.	18.17	16.51	CGA	Quebec, Canada	11.79	25.45	W1XAL	Boston, Mass.
51.40	5.83	W6XA0	Phoenix, Ariz.	18.13	16.55	LSY	Buenos Aires, Argen.	11.78	25.47	VE9DR	Quebec, Canada
		W6XC	San Francisco, Calif.	18.05	16.62	KOJ	Bolinas, Calif.	11.76	25.51	DID	Zeesen, Germany
		W8XAC	Lincoln Park, Mich.	17.85	16.80	W2XA0	Long Island City, N. Y.			XDA	Mexico City, Mex.
		W1XW	Milton, Mass.			PLF	Bandoeng, Java	11.75	25.53	GSD	Daventry, England
48.50	6.18	W3XE	Philadelphia, Pa.	17.83	16.82	PCV	Kootwijk, Holland	11.73	25.57	PHI	Huizen, Holland
		W6XA0	Los Angeles, Calif.	17.78	16.87	W3XAL	Bound Brook, N. J.	11.72	25.58	VE9JR	Winnipeg, Canada
		WBXF	Pontiac, Mich.			WBXK	E. Pittsburgh, Pa.	11.705	25.63	FYA	Paris, France
		W9XE	Marion, Ind.			W9XAA	Chicago, Ill.			KIO	Kauhuku, T. H.
		W2XAK	New York, N. Y.	17.77	16.88	PHI	Huizen, Holland	11.69	25.65	YVO	Maracay, Venezuela
		W2XF	New York, N. Y.	17.76	16.89	GSG	Daventry, England	11.67	25.68	KIO	Kauhuku, T. H.
		W2XR	Rocky Point, N. Y.	17.75	16.92	HSP	Zeesen, Germany	11.66	27.73	PPQ	Rio de Janeiro, Brazil
		W3XAD	Camden, N. J.	17.54	17.10	VVY	Poona, India	11.54	26.0	XAM	Merida, Yucatan
48.20	6.22	W3XA0	Philadelphia, Pa.	17.31	17.33	W3XL	Bound Brook, N. J.	11.47	26.15	IBDK	Bodmin, England
47.80	6.27	W3XAY	Philadelphia, Pa.	17.30	17.34	W9XL	Anoka, Minn.	11.435	26.22	DHC	S. S. Elettra
43.00	6.97	W3XE	Philadelphia, Pa.			WBXL	Dayton, Ohio	11.34	26.44	DAN	Nordreich, Germany
		W6XA0	Los Angeles, Calif.	17.27	17.37	DAF	Norden, Germany	11.18	26.83	CT3AQ	Funchal, Madeira
		WBXF	Pontiac, Mich.	17.11	17.52	W2XDO	Ocean Gate, N. J.	10.99	27.3	ZLT	Wellington, N. Z.
		W9XE	Cuyahoga Hts. Mich.	17.08	17.56	WOO	Ocean Gate, N. J.	10.84	27.67	KVV	Dixon, Calif.
		W8XL	Clifton, Ohio	16.33	18.37	GBC	Rugby, England	10.77	28.04	GBP	Rugby, England
		W1XW	Marion, Ind.	16.30	18.4	WLK	Lawrenceville, N. J.	10.68	28.09	WNB	Lawrenceville, N. J.
		W2XAK	New York, N. Y.			PCL	Kootwijk, Holland	10.67	28.12	CEC	Santiago, Chile
		W2XF	New York, N. Y.	16.20	18.5	WLO	Lawrenceville, N. J.	10.63	28.2	PLR	Bandoeng, Java
		W2XR	Rocky Point, N. Y.	16.15	18.56	FZR	Saigon, Indo-China	10.61	28.28	WEA	Rocky Point, N. Y.
		W3XAD	Camden, N. J.	16.10	18.57	GBX	Rugby, England	10.55	28.36	FVB	Paris, France
42.20	7.10	W3XA0	Philadelphia, Pa.	16.06	18.68	MAA	Arlington, Va.	10.46	28.44	WOK	Lawrenceville, N. J.
41.80	7.17	W3XAY	Philadelphia, Pa.	16.04	18.71	KKP	Kauhuku, T. H.	10.46	28.46	WLO	Lawrenceville, N. J.
41.00	7.32	W1XW	Milton, Mass.	15.95	18.8	PLG	Bandoeng, Java	10.41	28.51	VK2ME	Sydney, Australia
		W2XX	Clifton, N. J.	15.86	18.91	FTK	St. Assise, France	10.41	28.8	VLK	Santiago, Chile
		W6XC	San Francisco, Calif.			CEC	Santiago, Chile	10.41	28.82	PSH	Buenos Aires, Argen.
		W8XAC	Lincoln Park, Mich.	15.76	19.03	JYT	Tokio, Japan	10.29	29.15	KES	Bolinas, Calif.
40.60	7.38	W2XV	Clifton, N. J.	15.69	19.12	FTK	St. Assise, France	10.14	29.54	KEZ	Bolinas, Calif.
40.10	7.48	W2XV	Clifton, N. J.	15.62	19.19	OCJ	Lima, Peru	10.40	28.85	KWZ	Dixon, Calif.
38.60	7.77	W2XV	Clifton, N. J.	15.49	19.36	JIAA	Tokio, Japan	10.39	28.87	GBX	Rugby, England
37.60	7.98	W2XV	Clifton, N. J.	15.42	19.46	KWO	Dixon, Calif.	10.36	28.96	PMN	Bandoeng, Java
37.10	8.09	W2XV	Clifton, N. J.	15.35	19.54	KWU	Dixon, Calif.	10.35	28.98	LSX	Buenos Aires, Argen.
35.80	8.38	W3XAY	Philadelphia, Pa.	15.34	19.55	W2XAD	Schenectady, N. Y.	10.33	29.04	ORK	Brussels, Belgium
35.60	8.43	W2XV	Clifton, N. J.	15.33	19.56	W2XAD	Schenectady, N. Y.	10.30	29.12	LSL	Buenos Aires, Argen.
34.60	8.67	W2XV	Clifton, N. J.	15.30	19.6	OXY	Lyngby, Denmark	10.29	29.15	DIQ	Nauen, Germany
		W3XAR	Haerford, Pa.			CPS	La Paz, Bolivia	10.22	29.35	PSH	Rio de Janeiro, Brazil
		W2XAC	Lincoln Park, Mich.	15.27	19.64	W2XE	Wayne, N. J.	10.15	29.54	DIS	Leopoldville, Belgian Congo
		W2XES	Englewood, N. J.	15.25	19.67	W1XAL	Boston, Mass.	10.14	29.58	OPM	Madrid, Spain
33.10	9.06	W2XV	Clifton, N. J.	15.24	19.68	FYA	Pontoise, (Paris) Fr.	10.10	29.7	EHY	Hamilton, Bermuda
31.60	9.49	W2XV	Clifton, N. J.	15.21	19.72	W8XK	Tashkent, U. S. S. R.	10.07	29.79	VRT	Cairo, Egypt
31.10	9.65	W2XV	Clifton, N. J.	15.14	19.81	DJB	Zeesen, Germany	10.00	30.00	EAQ	Madrid, Spain
30.20	9.93	W3XAY	Philadelphia, Pa.	15.10	19.81	GSF	Daventry, England	9.98	27.59	VLJ	Sydney, Australia
30.10	9.97	W2XV	Clifton, N. J.	15.14	19.81	HVJ	Vatican City, Italy	9.97	30.09	KAZ	Manila, P. I.
27.80	10.79	W6XD	Palo Alto, Cal.	15.12	19.83	HVJ	Vatican City, Italy	9.95	30.15	GBU	Rugby, England
25.70	11.67	W2XBC	New Brunswick, N. J.	15.11	19.84	RKI	Moscow, U. S. S. R.	9.93	30.2	GCU	Bogota, Colombia
24.00	12.50	W6XQ	San Francisco, Calif.	15.04	19.94	CM6XJ	Central Tinucin, Cuba	9.93	30.2	HJY	Buenos Aires, Argen.
22.30	13.45	GBU	Rugby, England	15.00	19.99	W2XJ	Rocky Point, N. Y.	9.89	30.3	LSA	Tokio, Japan
21.54	13.93	W8XK	Pittsburgh, Pa.	14.70	20.27	WKU	Cartago, Costa Rico	9.87	30.4	JIAA	Lawrenceville, N. J.
21.47	13.97	GSH	Daventry, England			GBW	Rugby, England	9.75	30.77	WOF	Leopoldville, Belgian Congo
21.46	13.98	W1XAL	Boston, Mass.	14.62	20.5	WNC	Deal, N. J.	9.71	30.9	WON	Lawrenceville, N. J.
21.42	14.0	W2XV	Deal, N. J.	14.56	20.6	HBJ	Pragins, Switzerland	9.86	30.43	EQA	Madrid, Spain
21.41	14.01	WKK	Lawrenceville, N. J.	14.53	20.65	LSA	Buenos Aires, Argen.	9.83	30.52	IRM	Rome, Italy
21.40	14.02	WLO	Lawrenceville, N. J.			LSN	Buenos Aires, Argen.	9.80	30.6	GCW	Rugby, England
21.16	14.17	LSL	Buenos Aires, Argen.	14.50	20.69	YNA	Managua, Nicaragua	9.79	30.64	GBW	Rugby, England
21.13	14.19	LSM	Buenos Aires, Argen.			TGA	Guatemala City, C. A.	9.76	30.74	VK2ME	Sydney, Australia
21.08	14.23	PSA	Rio de Janeiro, Brazil			TIR	Cartago, Costa Rico			VLK	Sydney, Australia
21.06	14.24	KWN	Dixon, Calif.	14.48	20.7	GBW	Rugby, England	9.75	30.77	WNC	Lawrenceville, N. J.
		WKA	Lawrenceville, N. J.			WNC	Deal, N. J.			WNC	Deal, N. J.
21.02	14.27	LSN	Buenos Aires, Argen.	14.47	20.73	WMF	Lawrenceville, N. J.	9.71	31.0	GCA	Rugby, England
21.00	14.28	OKO	Podebrady, Czechoslovakia	14.15	21.17	KKZ	Bolinas, Calif.	9.675	31.0	T14NRH	Costa Rica, C. A.
20.73	14.47	LSY	Buenos Aires, Argen.	14.11	21.26	YV2AM	Maracaibo, Venezuela	9.64	31.12	HSP2	Bangkok, Siam
20.68	14.5	FSR	Paris, France	13.87	21.63	WYI	Rabat, Morocco	9.62	31.19	DGU	Nauen, Germany
		LSN	Buenos Aires, Argen.	13.78	21.77	KKW	Bolinas, Calif.	9.60	31.25	CT1AA	Lisbon, Portugal
20.67	14.54	PMB	Bandoeng, Java	13.75	21.82	CGA	Quebec, Canada			XETE	Mexico City, Mex.
20.38	14.72	GAA	Rugby, England	13.6	22.06	JYK	Tokio, Japan			LGN	Bergen, Norway
20.04	14.97	OPL	Leopoldville, Belgian Congo	13.58	22.09	GBB	Rugby, England			LQA	Buenos Aires, Argen.
19.95	15.03	DHO	Nauen, Germany	13.50	22.48	YVQ	Maracay, Venezuela	9.595	31.27	HBL	Geneva, Switzerland
19.90	15.07	LSG	Buenos Aires, Argen.	13.48	22.26	WAJ	Rocky Point, N. Y.	9.59	31.28	W3XAU	Philadelphia, Pa.
19.85	15.11	WMI	Deal, N. J.	13.34	22.55	CNA	Lawrenceville, N. J.			VK2ME	Sydney, Australia
19.83	15.12	FTB	St. Assise, France	13.09	22.93	JIAA	Tokio, Japan	9.585	31.3	WEF	Rocky Point, N. Y.
19.69	15.24	CEC	Santiago, Chile	12.83	23.32	CNR	Rabat, Morocco	9.53	31.48	W2XAF	Rocky Point, N. Y.
19.54	15.25	IRW	Rome, Italy	12.85	23.35	W9XL	Anoka, Minn.	9.52	31.51	DX7	Daventry, England
19.50	15.38	LSQ	Buenos Aires, Argen.	12.29	24.41	W2XO	Schenectady, N. Y.	9.51	31.55	YV3BC	Skamleback, Denmark
19.38	15.48	WOP	Ocean Gate, N. J.	12.25	24.46	GBS	Rocky Point, N. Y.	9.57	31.35	W1XAZ	Caracas, Venezuela
		WKN	Lawrenceville, N. J.			PLM	Bandoeng, Java			SRI	Daventry, England
19.35	15.5	FTM	St. Assise, France	12.25	23.39	CNR	Rabat, Morocco			W8XK	Poznan, Poland
19.27	15.57	PPU	Rio de Janeiro, Brazil	12.80	23.45	IAC	Pisa, Italy	9.56	31.38	DJA	E. Pittsburgh, Pa.
19.22	15.61	WKF	Lawrenceville, N. J.	12.78	23.46	GBC	Rugby, England	9.53	31.48	SRI	Zeesen, Germany
19.24	15.59	DFA	Nauen, Germany	12.40	24.19	DAF	Norden, Germany	9.52	31.51	VK3LR	Schenectady, N. Y.
19.21	15.61	ORG	Brussels, Belgium	12.29	24.41	GBU	Rugby, England	9.51	31.55	W3XE	Bangkok, Siam
19.20	15.62	WNC	Deal, N. J.	12.25	24.46	GBS	Rugby, England			W3XE	Melbourne, Australia
19.02	15.77	WKK	Rocky Point, N. Y.			PLM	Bandoeng, Java			VK3ME	Leopoldville, Belgian Congo
18.97	15.81	GAG	Rugby, England	12.229	24.53	CT1AA	Lisbon, Portugal	9.493	31.6	W	

Complete Equipment for More Enjoyable Battery Radio Reception

Silvertone Dry "A" Battery

No Recharging — No Water — No Acids — No Bother

Lowest Cost Per Hour!



THROW AWAY YOUR RADIO "A" BATTERY WORRIES BY REPLACING WITH THIS NEW LONG LIFE DRY "A" SILVERTONE BATTERY.

Why Dry "A" Batteries are Better!

—Always ready to operate . . . no chance of "suffocating" or overloading as in the case of wet "A" batteries. No interruptions in service.

Silvertone Dry "A" batteries are built to the same high standards required for our famous, long life "B" batteries. Our guarantee insures the longest "hour per cent" operation of any battery on the market!

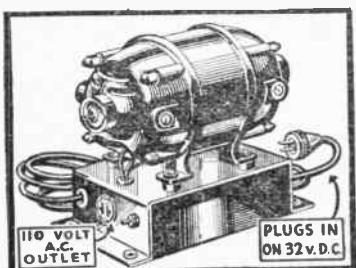
Silvertone Dry "A" Battery

- Guaranteed for One Year on a Service Basis.
- Will operate any 2-volt radio with a current drain of 0.50 ampere, for 1000 hours or more.
- Replaces any 2-volt "A" battery including Air Cell type. Size, 13 $\frac{1}{4}$ x8x10 $\frac{1}{2}$ in.
- Resistor included without extra charge . . . necessary for sets without voltage regulator or ballast tube.

This battery has plenty of power to operate your radio a *full year* when used on an average of 2 to 3 hours a day. Just hook it up to your set and forget it. No servicing required. Recommended to replace Air Cell batteries for steadier, smoother year 'round flow of power over the whole period of service. *Will not replace a 6-volt storage battery.* Complete with resistor.

There's a Silvertone Product for Every Radio Purpose

Farm Light Plant Owners!



Operate An A. C. Radio from 32 Volts

Supplies 110 volts, 60 cycle A. C. Draws less than 6 amperes at 100 watts output.

Operates A. C. Radios Drawing Not More than 100 Watts

The very latest type motor-dynamo converter which operates efficiently from your light plant and supplies steady, noiseless, balanced power for 110 volt A. C. radios. Gives you equal or smoother power for operating your radio than many localities served by central light plants, because it is not subject to changes in voltage or surging. Also, will operate household appliances, such as fans, mixers and sewing machines, using not more than 100 watts 60 cycle A. C.

Newest, improved construction with extra size noise filter, oilless ball bearings, and sealed brushes. Regular \$50.00 value! Fully guaranteed. Complete as shown, with 6-ft. cord and plug. Simple, easy to follow instructions. Size, 9 in. high, 9 $\frac{1}{4}$ in. long, 25 lbs., 4 oz.

In ordering refer to No. 5238

Same converter as above but for 150 watt output (Made to order and shipped from factory 10 days). Shipping weight 29 lbs. In ordering refer to No. 5241.

110 volts DC to 110 volts AC 60 cycle converter 100 watts. In ordering refer to No. 5244.

Head Phones Make Foreign and Short Wave Tuning Easy!

Short Wave Fans

Locate distant stations with a set of sensitive head phones and then adjust program to proper volume.

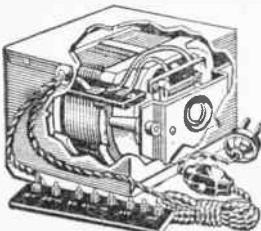
—Highly polished all aluminum phones —unbreakable— Feather-weight.

"Dixie" Phones. An excellent moderate priced head set.

In ordering refer to No. 4908



32 to 180 Volt "B" Eliminator



—Replaces "B" Batteries; plugs into 32-volt socket.

—Uses less than $\frac{1}{2}$ ampere.

Dynamotor-type converter. Provides all "B" voltages, up to 180 volts. Size, 3 $\frac{3}{4}$ x5 $\frac{1}{4}$ x5 $\frac{1}{2}$ inches.

In ordering refer to No. 5226

Dynamotor "B" Eliminator

The same style of unit that is used in many police squad cars. Powerful and efficient. Supplies 180-volts at 30 milliamperes; draws less than 2 amperes from the storage battery. Replaces noisy, worn-out vibrator style units. Guarantees smooth reception at 6 or 60 miles an hour. Motor mounted in rubber, absorbing shocks and vibration. Operates in any position. Compact. Built, 3 $\frac{3}{4}$ x5 $\frac{1}{4}$ x5 $\frac{1}{2}$ inches.

In ordering refer to No. 5240

"Master" 3000 Ohm Head Phones

Super sensitive. Commercial type. Large, permanent magnets; rubber ear caps; for best reception. In ordering refer to No. 4907

Famous "Brandes" Superior extra sensitive. 2000 ohms. In ordering refer to No. 4909

Some short wave and standard broadcast receivers have ear-phone jacks already installed—others require a special adapter so that earphones can be used if a jack is not provided. The earphones listed here have excellent sensitivity and are ideal for use for short wave tuning.

• • MAKE SEARS STORE YOUR RADIO HEADQUARTERS • •

World's Short Wave Stations—cont.

Mega-cycles	Meters	Call	LOCATION	Mega-cycles	Meters	Call	LOCATION	Mega-cycles	Meters	Call	LOCATION
9.31	32.22	GBC	Rugby, England	6.753	44.4	WHD	Deal, N. J.	6.06	49.5	W8XAL	Cincinnati, Ohio
9.30	32.26	CNR	Rabat, Morocco	6.75	44.41	WOA	Lawrenceville, N. J.			V07LD	Nairobi, Kenya
9.28	32.33	GCB	Rugby, England	6.68	44.91	DGK	Nauen, Germany			W3XAU	Philadelphia, Pa.
9.25	32.4	GBK	Bodmin, England	6.667	45	TGW	Guatemala City, Central America			OXY	Skamleback, Denmark
9.23	32.5	FLJ	Paris, France				Constantine, Algeria			W3XAV	Philadelphia, Pa.
9.17	32.72	WNA	Lawrenceville, N. J.				Quayaguil, Ecuador			CP5	La Paz, Bolivia
9.14	32.82	YVR	Maracay, Venezuela				Guatemala City, C. A.			CMC1	Havana, Cuba
9.02	33.26	GCS	Rugby, England	6.66	45.05	TGW	Bogota, Colombia	6.05	49.59	GSA	Daventry, England
9.02	33.26	KEJ	Kakukku, T. H.				Pisa, Italy	6.04	49.67	VE9CF	Halifax, N. S., Can.
8.95	33.52	WEC	Rocky Point, N. Y.	6.65	45.1	IAC	Rio Bamba, Ecuador			W1XAL	Boston, Mass.
8.93	33.59	WEC	Rocky Point, N. Y.	6.62	45.31	PRADD	Moscow, U. S. S. R.			W4XB	Miami Beach, Fla.
8.872	33.81	NPO	Cavite, P. I.	6.61	45.38	RW7Z	Moscow, U. S. S. R.			PK3AN	Sourabaya, Java
8.79	34.13	TIR	Cartago, Costa Rica	6.61	45.38	REN	Constantine, Algeria	6.03	49.75	W1XIL	Boston, Mass.
8.69	34.35	W2XAC	Schenectady, N. Y.	6.60	45.45	F8KR	Ocean Gate, N. J.	6.023	49.7	VE9CA	Calgary, Alta., Can.
8.68	34.56	GBC	Rugby, England	6.515	46.05	WOO	Barranquilla, Col.	6.02	49.83	W4XB	Mexico City, Mex.
8.65	34.68	W4XG	Miami, Fla.	6.447	46.53	HJ1ABB	London, Ont., Canada	6.01	49.92	OJC	Zeesen, Germany
		W3XX	Washington, D. C.	6.425	46.69	VE9BY	Bound Brook, N. J.	6.005	49.96	COC	Havana, Cuba
		W3XE	Baltimore, Md.	6.425	46.69	W3XL	Anoka, Minn.			VE9OR	Montreal, Canada
8.65	34.68	VE9BY	London, Ont., Canada			W9XC	Quito, Ecuador	6.00	50.0	VE9CU	Calgary, Alta., Can.
		W2XCU	Rocky Point, N. Y.			HJSABD	Colombia			EAI2S	Tananarive, Madag.
		W8XAG	Dayton, Ohio	6.38	47.02	HC1DR	Drummondville, Can.			RW59	Barcelona, Spain
8.63	34.74	W2XDD	Ocean Gate, N. J.	6.335	47.35	VE9AP	Bogota, Colombia	5.969	50.26	VQ7LD	Moscow, U. S. S. R.
8.55	35.09	WDO	Ocean Gate, N. J.	6.27	47.81	HKC	Casa Blanca, Morocco	5.94	50.5	ZGE	Nairobi, Kenya, Af.
8.47	35.42	DAF	Norden, Germany	6.25	48.0	HJ3ABF	Bogota, Colombia	5.93	50.59	HJ4ABG	Kuala Lumpur, Malay States
8.45	35.5	PRAG	Porto Alegre, Brazil			CN8MC	Bogota, Colombia	5.90	50.85	HKO	Vatican City, Italy
8.38	35.8	IAC	Pisa, Italy	6.243	48.05	HKD	St. Asisse, France	5.88	51.02	HJ2ABA	Medellin, Colombia
8.19	36.63	PSK	Rio de Janeiro, Brazil	6.18	48.5	TGW	Mexico City, Mex.	5.857	51.22	XOA	Tunja, Colombia
8.186	36.65	PR3A	Rio de Janeiro, Brazil	6.17	48.6	HJ3ABI	Caracas, Venezuela	5.85	51.26	WOB	Mexico City, Mex.
8.12	36.92	PLW	Bandoeng, Java			FTX	Caracas, Venezuela	5.80	51.75	HJ1ABB	Lawrenceville, N. J.
8.11	37.0	HC1B	Quito, Ecuador	6.167	48.65	XIF	Pittsburgh, Pa.	5.71	52.5	VE9CL	Barranquilla, Col.
8.035	37.33	CNR	Rabat, Morocco	6.15	48.78	YY3BC	Caracas, Venezuela	5.692	52.7	FIQA	Winnipeg, Canada
7.98	38.07	JIAA	Tokio, Japan	6.147	48.80	VE9CL	Calgary, Alta., Can.	5.68	52.8	VK3LR	Tananarive, Madag.
7.83	38.3	POU	Kootwijk, Holland	6.14	48.86	W8XK	Calcutta, India	5.26	53.0	WGN	Melbourne, Australia
7.797	38.47	HBP	Switzerland	6.13	48.94	YV1BMD	Managua, Nicaragua	5.17	53.03	PMY	Rocky Point, N. Y.
7.77	38.6	FTF	St. Asisse, France			YV3BC	Halifax, N. S., Canada	5.145	53.31	OKIMPT	Bandoeng, Java
		PCK	Kootwijk, Holland	6.127	48.95	HJ4ABE	Bogota, Colombia	5.07	53.81	WON	Prague, Czechoslovakia
7.612	39.41	X2GA	Nuevo Laredo, Mexico	6.125	48.98	VE9HX	Halifax, N. S., Canada	4.98	54.24	GBC	Lawrenceville, N. J.
		HKF	Bogota, Colombia	6.122	49.0	ZTJ	Johannesburg, S. Africa	4.98	54.24	GDW	Rugby, England
7.61	39.42	KWX	Dixon, Calif.	6.12	49.02	W2XE	Wayne, N. J.	4.91	54.81	HKE	Rugby, England
7.56	39.65	KWY	Dixon, Calif.			VE9HK	Halifax, N. S., Can.	4.75	56.16	WKF	Bogota, Colombia
7.556	39.70	HFK	Bogota, Colombia			YY1BC	Caracas, Venezuela	4.75	56.16	WPA	Portland, Me.
7.52	39.89	KOK	Kauhaku, T. H.	6.112	49.08	YY1BC	Chicago, Ill.	4.70	56.79	W9XAM	Nassau, Bahamas
7.52	39.89	KKH	Kauhaku, T. H.	6.11	49.09	VE9HX	Calgary Alt., Canada	4.51	56.79	VE9BY	Norden, Germany
7.47	40.16	HJB	Bogota, Colombia			VUC	Calcutta, India	4.43	57.0	W3XZ	Ocean Gate, N. J.
7.44	40.3	HPB	Geneva, Switzerland			YNA	Managua, Nicaragua	4.43	57.0	CGA	Quebec, Canada
7.40	40.55	HJ3ABA	Bogota, Colombia	6.10	49.18	W3XAL	Bound Brook, N. J.	4.40	57.0	WOD	Ocean Gate, N. J.
7.39	37.8	DOA	Doberitz, Germany	6.09	49.26	W9XF	Chicago, Ill.	4.40	57.0	WKF	Lawrenceville, N. J.
7.22	41.55	HKE	Bogota, Colombia	6.085	49.3	CPS	St. John, N. Bruns'k.	4.32	57.0	WPA	Portland, Me.
7.20	41.6	EABAB	Canary Islands	6.095	49.22	VE9GW	Bowmanville, Ont., Can.	4.273	57.2	RV1S	Nassau, Bahamas
7.15	41.9	HJ4ABB	Manizales, Colombia	6.09	49.26	VE9BJ	St. John, N. Bruns'k.	4.13	57.23	DAF	Doberitz, Germany
7.14	42.02	HKX	Bogota, Colombia	6.085	49.3	WPEH	La Paz, Bolivia	4.116	57.28	WDO	Norden, Germany
6.99	42.92	LCL	Ijeloy, Norway	6.08	49.34	KGZU	Chicago, Ill.	4.11	57.30	HC1B	Ocean Gate, N. J.
6.977	43.0	CT1AA	Lisbon, Portugal	6.074	49.39	WV5BMO	Maracaibo, Venezuela	4.105	57.30	Arlington, Va.	Quito, Ecuador
6.94	43.23	EAR	Madrid, Spain	6.073	49.4	OXY	Vienna, Austria	3.75	57.35	HAA	Rome, Italy
6.90	43.18	GOS	Rugby, England	6.072	49.4	DER2	Maracaibo, Venezuela	3.75	57.40	CT1CT	Lisbon, Portugal
6.88	43.6	LCL	Oslo, Norway	6.07	49.4	VE9CS	Vancouver, B. C., Can.			FGKR	Constantine, Algeria
6.86	43.73	KEL	Bolinas, Calif.	6.069	49.43	VE9CS	Vancouver, B. C.				
6.84	43.86	HAT2	Budapest, Hungary			JB	Johannesburg, S. Africa				
		CFA	Drummondville, Que., Canada	6.065	49.46	SAJ	Motola, Sweden				

Municipal and State Police Stations (Alphabetically by Cities)

CALL	LOCATION	Freq.	CALL	LOCATION	Freq.	CALL	LOCATION	Freq.
KGZY	Aberdeen, Wash.	2414	WMDZ	Indianapolis, Ind.	2442	KGZO	Santa Barbara, Calif.	2414
WPDO	Akron, Ohio	2458	WPFG	Jacksonville, Fla.	2442	KGZT	Santa Cruz, Calif.	1674
WPGH	Albany, N. Y.	2414	KGPE	Kansas City, Mo.	2422	KGZY	San Bernardino, Calif.	1712
KGZX	Albuquerque, N. M.	24.4	KGZH	Klamath Falls, Ore.	2382	KGZO	San Diego, Calif.	2490
WPEO	Arlington, Mass.	1712	WPFQ	Knoxville, Tenn.	2474	KGPO	San Francisco, Calif.	2466
WPDY	Atlanta, Ga.	2414	WPDT	Kokomo, Ind.	2190	KGPM	San Jose, Calif.	1674
WPDN	Auburn, N. Y.	2382	WPDL	Lansing, Mich.	2442	KGPF	Seattle, Wash.	2414
KGPS	Bakersfield, Calif.	2414	KGHG	Las Vegas, Nev.	2474	KGPA	Tacoma, Wash.	2382
WPFM	Baltimore, Md.	2414	WPET	Lexington, Ky.	1706	KGPK	Sioux City, Ia.	2466
WPCA	Bay City, Mich.	246	KGZU	Lincoln, Neb.	490	WPEH	Somerville, Mass.	1712
KGPJ	Beaumont, Tex.	172	KGHZ	Little Rock, Ark.	406	WPGN	South Bend, Ind.	2490
WPEE	Brooklyn, N. Y.	240	KGPL	Los Angeles, Calif.	1712	KGHS	Spokane, Wash.	2414
KSW	Berkeley, Calif.	1628	WPOE	Louisville, Ky.	2442	WPFQ	Swarthmore, Pa.	2474
WPGI	Binghamton, N. Y.	2442	KGZW	Lubbock, Tex.	2458	WPEA	Utica, N. Y.	2414
WPFM	Birmingham, Ala.	2382	WPEC	Memphis, Tenn.	2466	KGZN	Vallejo, Calif.	2422
WMJ	Buffalo, N. Y.	2422	WPFZ	Miami, Fla.	2442	WRDQ	Tulsa, Okla.	2450
KGOZ	Cedar Rapids, Ia.	2466	WPOK	Milwaukee, Wis.	2450	KGZQ	Waco, Tex.	2414
KGFZ	Chanute, Kans.	2450	KGPB	Minneapolis, Minn.	2430	KGPO	Washington, D. C.	2422
WPOV	Charlotte, N. C.	2458	WPGP	Minneapolis, Minn.	2442	WPDW	Wichita Falls, Tex.	2458
WPOB	Chicago, Ill.	1712	WPFC	Muskegon, Mich.	2490	KGZP	Wichita, Kans.	2450
WPOC	Chicago, Ill.	1712	WPGS	Mineola, N. Y.	2490	WPEM	Woonsocket, R. I.	2466
WPOD	Chicago, Ill.	1712	WPEK	New Orleans, La.	2430	WPOG	Youngstown, Ohio	2458
WPOE	Cincinnati, O.	1706	WPEF	Newport, Mass.	1712	KGZE	Des Moines, Ia.	1682
WPPF	Clarksburg, W. Va.	2490	WPEF	New York, N. Y.	2450	WMP	Framingham, Mass.	1666
WRBH	Cleveland, O.	2458	WPEG	New York, N. Y.	2466	WPEL	Middleboro, Mass.	1666
WGZP	Coffeyville, Kans.	2450	KGPH	Oklahoma City, Okla.	2430	WPEV	Northampton, Mass.	1666
WPDI	Columbus, Ga.	2414	KGPI	Omaha, Neb.	2466	WROS	Portable, Mass.	1666
WPDK	Columbus, Ohio	2430	WPFX	Palm Beach, Fla.	2442	WPGC	E. Lansing, Mich.	1666
KPGK	Cranston, R. I.	2466	KGHK	Palo Alto, Calif.	1674	WPGB	S. Schenectady, N. Y.	1658
KVP	Dallas, Tex.	1712	KGJX	Passadena, Calif.	1712	WBR	Findlay, Ohio	1682
KGPN	Davenport, Ia.	2465	WPFY	Pawtucket, R. I.	2466	WDX	Butler, Pa.	1666
WPDM	Dayton, Ohio	2430	WPDF	Philadelphia, Pa.	2474	WJL	Wyoming, Pa.	1666
KGPX	Denver, Colo.	2442	KGZI	Phoenix, Ariz.	2430	WPEV	Portable, Mass.	1666
WCK	Bell Isle (Det.) Mich.	2414	WPDU	Pittsburgh, Pa.	1712	WROS	Northampton, Mass.	1666
WPOX	Detroit, Mich.	2414	WPGB	Port Huron, Mich.	2466	WPGC	E. Lansing, Mich.	1666
KGZG	Des Moines, Ia.	2465	WPFU	Portland, Me.	2422	WPGB	S. Schenectady, N. Y.	1658
WPEI	E. Providence, R. I.	1712	WPFG	Providence, R. I.	1712	WBA	Harrisburg, Pa.	1682
KGZM	El Paso, Tex.	2411	KGPP	Portland, Ore.	2412	WBR	Richmond, Ia.	1666
WPFN	Fairhaven, Mass.	1712	WPGI	Portsmouth, Ohio	2430	WDX	Wichita Falls, Tex.	2458
WPDF	Flint, Mich.	2465	WPOH	Richmond, Ia.	2442	WJL	Greenburg, Pa.	1666
WPQZ	Ft. Wayne, Ind.	2490	WPFE	Reading, Pa.	2442	WPEV	Portable, Mass.	1666
KGZA	Fresno, Calif.	2411	WPDR	Rochester, N. Y.	2422	WROS	Northampton, Mass.	1666
WPEB	Grand Rapids, Mich.	2442	WPGO	Rockford, Ill.	2466	WPGC	E. Lansing, Mich.	1666
WRDR	Grosse Point, Mich.	2414	WPES	Saginaw, Mich.	2458	WMB	Findlay, Ohio	1682
WPFK	Hackensack, N. J.	2430	KGPC	St. Louis, Mo.	2442	KGZE	Wichita Falls, Tex.	2458
WMD	Highland Park, Mich.	2415	WPOS	St. Paul, Minn.	2430	KGHA	Youngstown, Ohio	1666
KGPQ	Honolulu, T. H.	2450	WGZR	Salem, Ore.	2430	KGHC	Highway Portable & Mobile, Seattle, Wash.	2490
WPQO	Huntington, N. Y.	2493	KGPW	Salt Lake City, Utah	2406	KGHO	Mobile, Seattle, Wash.	2490

Best Short Wave Stations

Numerically According to Wave Length

Meters	Mega-Cycles	Call	Meters	Mega-Cycles	Call
Europe					
13.97	21.47	GSH	16.30	18.40	PCK
16.88	17.77	PHI	Daventry, England, 6:00 to 7:30 a.m.	Kootwijk, Holland, about 7:30 a.m.	Huizen, Holland, MWF 7:30-9:30 a.m., Sat. & Sun. 7:30-10:30 a.m.
19.68	15.25	DJB	Pontoise, France, 7 to 10 a.m.	Berlin, Germany, 12:30 to 2 a.m., 6:35 to 9:45 a.m.	Daventry, England, 6-7:30-8:40 to 11 a.m.
19.73	15.20				Vatican City, Daily 5 to 5:15 a.m. Sat. 10-10:30 a.m.
19.82	15.13	GSF	25.00	12.00	RNE
19.84	15.11	HVS	25.20	11.90	
25.00	12.00	RNE	Pontoise, France, 10:15 a.m. to 1:15 p.m. 2 to 5 p.m.	Daventry, England, 8:45 a.m. to 12:45 p.m.	Rome, Italy, 11:30 a.m.-12:30 p.m. m.-1:15-6 p.m.
25.28	11.86	GSE	25.40	11.81	2RD
25.51	11.76	DJD	25.53	11.75	GSD
25.63	11.71		29.04	10.33	ORK
30.40	9.87	EAQ	30.52	9.83	IRM
31.25	9.60	CTIAA	31.27	9.59	HBL
31.30	9.58	GSC	31.33	9.57	DJA
31.55	9.51	GSB	38.47	7.80	HBP
42.92	6.99	LCL	43.86	6.84	HAS
45.33	6.61	REN	49.40	6.07	OXY
49.83	6.02	DJC	50.00	6.00	RV59
60.30	4.97	G6RX	69.44	4.32	G6RX
South America					
19.19	15.62	OCJ	25.73	11.66	PPQ
27.35	10.97	OCL	28.98	10.35	LSX
30.30	9.90	LSN	36.65	8.19	PSK
40.55	7.40	HJ3; ABD	41.55	7.22	HKE
45.00	6.67	HC2RL	45.31	6.62	Prado, Riobamba, Ecuador, Thurs. 9 to 11 p.m.
46.30	6.48	HJSABD	46.51	6.45	HJ1ABB
48.00	6.25	HJ3ABF	48.78	6.15	YV3BC
49.08	6.11	YV1BC	49.20	6.10	HJ1ABD
49.39	6.07	YV5BMO	49.60	6.05	HJ3ABI
50.08	5.99	YV4BSG	50.25	5.97	HJ2ABC
50.42	5.95	HJ4ABE	51.49	5.88	HJ2ABA
73.00	4.00	HCJB	73.00	4.00	HCJB
Asia					
16.50	18.18	PMC	19.03	15.76	JIAA
20.03	14.98	KAY	30.40	9.87	JIAA
48.92	6.13	ZGE	49.10	6.11	VUC
Africa					
23.38	12.83	CNR	29.58	10.14	OPM
37.33	8.05	CNR	49.00	6.12	
49.50	6.06	VQ7LO	31.28	9.59	VK2ME
United States					
16.87	17.78	W3XAL	19.56	15.34	W2XAD
19.64	15.27	W2XE	19.72	15.21	WBXM
25.27	11.87	W8XK	25.35	11.83	W2XE
31.28	9.59	W3XAU	31.35	9.57	WIXAZ
31.49	9.53	W2XAF	46.69	6.43	W3XL
49.02	6.12	W2XE	49.13	6.10	W3XAL
49.18	6.10	W9XF	49.31	6.08	W9XAA
Mexico and West Indies					
25.50	11.79	XDM	26.00	11.54	XAM
31.21	9.60	XETE	47.50	6.32	HIZ
47.80	6.23	HIIA	49.50	6.06	HIX
49.96	6.01	COC	51.49	5.88	HJ2ABA
73.00	4.00	HCJB	73.00	4.00	HCJB
Oceania					
31.28	9.59	VK2ME	31.30	9.58	VK3LR
31.55	9.51	VK3ME	31.55	9.51	VK3ME
31.56	11.72	CJRX	49.10	6.11	VE9HX
49.22	6.09	VE9GW	49.29	6.09	VE9BJ
49.42	6.07	VE9CS	49.42	6.07	VE9DN
49.96	6.01	VE9DN	49.96	6.01	VE9DN
Canada					
25.60	11.72	CJRX	25.60	11.72	CJRX
49.10	6.11	VE9HX	49.10	6.11	VE9HX
49.22	6.09	VE9GW	49.22	6.09	VE9GW
49.42	6.07	VE9CS	49.42	6.07	VE9CS
49.96	6.01	VE9DN	49.96	6.01	VE9DN

Ten Rules for Better Reception

Continued from page 10

advisable to tune above 31 meters for best results.

10—Have your radio set in perfect condition. Short wave reception makes this very essential otherwise results will be poor. Have the tubes tested often. Check the batteries, if a battery radio is used. Check the antenna system periodically. Avoid corrosion of the aerial wires and loose connections in the lead-in and window strips. A little care and regular checking will pay big dividends in short wave thrills.

More Natural Static on Short Waves than on Standard Reception?

The answer is NO. True, there is more noise noticeable on the short wave or high frequency bands. But it is not due to static. The causes are many. In the main, they are classified as electrical interference or "man made static". What causes man made static? Any electrical apparatus that radiates energy. Some of the more common and well-known culprits are doorbell buzzers, electric fans, elevator motors, vacuum cleaners, refrigerators, defective light bulbs and wiring, ultra-violet and X-Ray lamps, electric signs, neon signs, etc.

With a short wave radio set, a new kind of noise is heard. It is a loud roar in the speaker which begins slowly, reaches its height and dies down gradually. It is caused by the ignition system of a passing automobile. If the car is in front of the building with the motor running, the roar will continue until the motor is stopped. This interference is not heard on regular broadcast receivers or when the all-wave set is tuned to the broadcast band. The reason is that automobile ignition is high frequency interference, received only when the radio can be tuned to high frequencies, which correspond to short waves.

INTERNATIONAL MORSE CODE

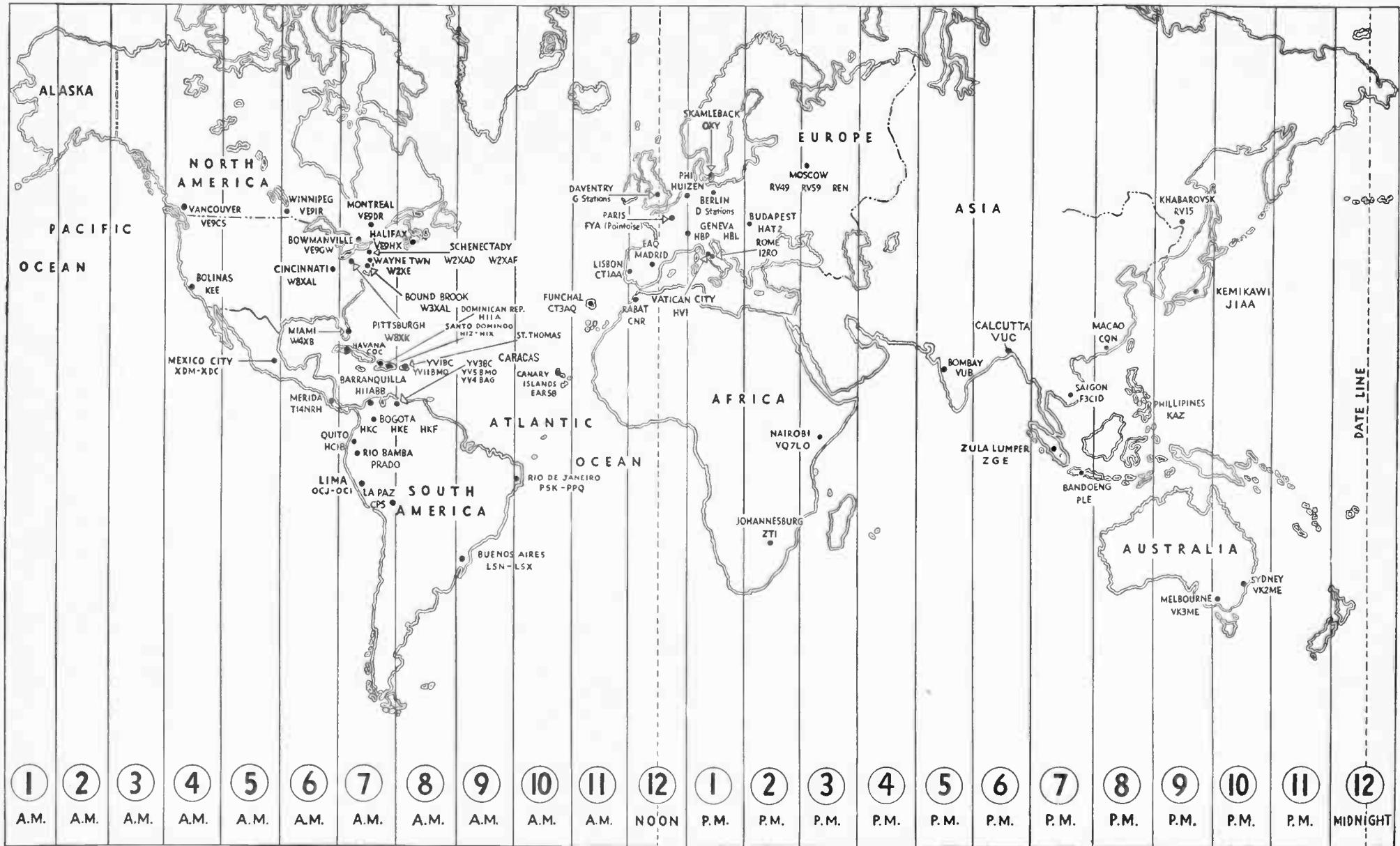
A short wave radio will receive a great deal of code transmission. A little practise will enable the listener to understand and enjoy this type of broadcast.

1. A dash is equal to three dots.
2. The space between parts of the same letter is equal to one dot.
3. The space between two letters is equal to three dots.
4. The space between two words is equal to five dots.

A —	N . .	1 . - - -
B . . .	O - - -	2 - - - -
C - - -	P . . .	3 . . . -
D - - -	Q	4 -
E .	R . . .	5
F	S . . .	6 - - - -
G - - -	T . . .	7 - - - -
H	U . . .	8 - - - -
I . . .	V . . .	9 - - - -
J - - - -	W . . .	0 - - - -
K - - -	X . . .	
L - - -	Y . . .	
M - - -	Z . . .	

Period
Semicolon	;- - -
Comma	- - - -
Colon	- - - - -
Interrogation	- - - - -
Exclamation point	- - - - -
Apostrophe	- - - - -
Hyphen	- - - - -
Bar indicating fraction	- - - - -
Parenthesis	- - - - -
Inverted commas	- - - - -
Underline	- - - - -
Double dash	- - - - -
Distress Call	- - - - -
Attention call	- - - - -
General inquiry call	- - - - -
From (de)	- - - - -
Invitation to transmit (go ahead)	- - - - -
Warning—high power	- - - - -
Question (please repeat after)	- - - - -
Interrupting long messages	- - - - -
Wait	- - - - -
Break (Bk.) (double dash)	- - - - -
Understand	- - - - -
Error	- - - - -
Received (O. K.)	- - - - -
Position report (to precede position messages)	- - - - -
End of each message (cross)	- - - - -
Transmission finished (end of work) (conclusion of correspondence)	- - - - -

Time Zones and Map of the World's Countries (All Time is Standard Time)



The numerals shown on the map indicate the time in each place in the world when the day is ending at the date line at the right of the page. For each zone we cross toward the east (right side of page) time is reckoned one hour later or faster; for each zone going west time is one hour earlier or slower. To de-

termine the time of any station east of you it is necessary to add the difference to your time (as shown between the zone numerals). To determine the time of any station west of you it is necessary to subtract the difference from your own time. See comprehensive world time table on page 6.

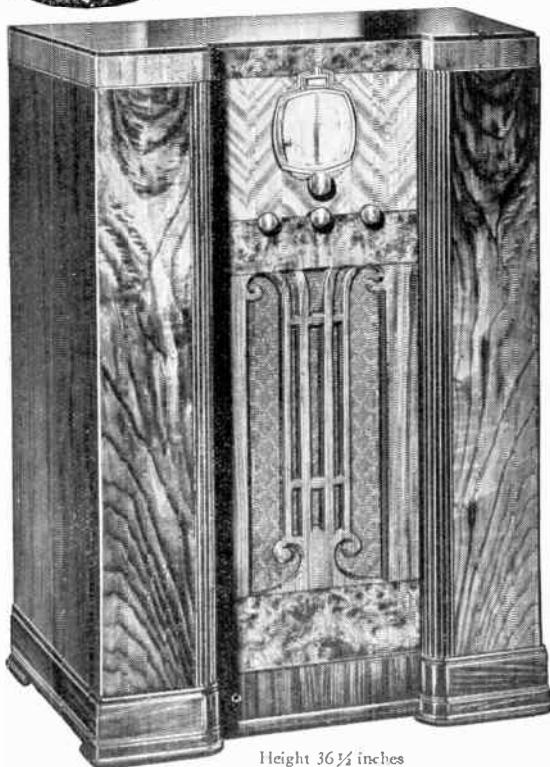
For Homes Without Electricity

WORLD WIDE RECEPTION



With New Battery Radios

Using the New DRY "A" BATTERY
That Eliminates Re-charging and Attention

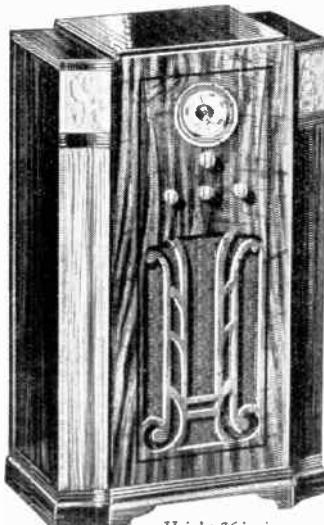


Height 36 1/4 inches

MODEL 1854—10-Tube All Wave Battery Console

The finest battery operated radio receiver that money can buy. Powerful 10-tube chassis. All Wave Reception. Tuning range 18 to 545 meters, inclusive. Brings in Foreign and American Programs. Automatic Volume Control—airplane type dial—tone control and giant high fidelity loudspeaker. Equipped with fully guaranteed Silvertone tubes, "B" Batteries and One Year Dry "A" Battery.

Sears Easy Payment Plan puts a new radio within the reach of all. Ask about it!

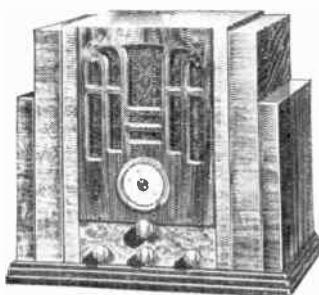


Height 36 inches

MODEL 1851—6-Tube American and Foreign Reception

A remarkable value! Tunes in foreign short wave stations and brings in American programs equal to battery sets selling for much more. A champion in its price class. Equipped with Silvertone fully guaranteed tubes "B" Batteries and Dry "A" Battery.

Battery operated radio receivers not having the foreign broadcast feature are available for standard broadcast reception in both table and console models.

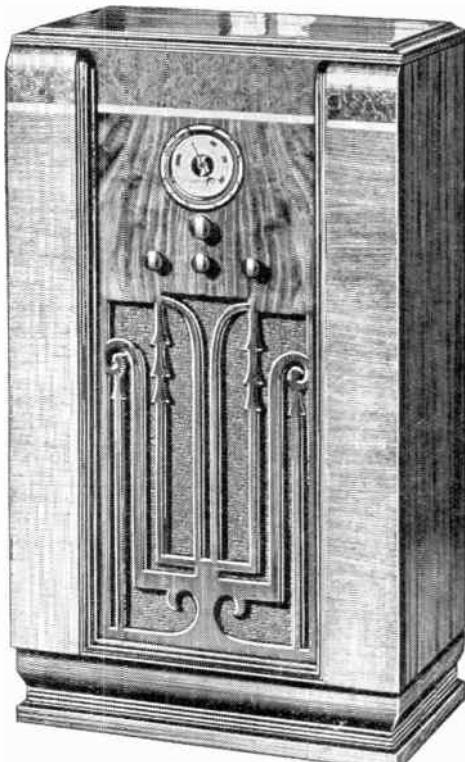


Height 36 3/4 inches

MODEL 1850 6-Tube American and Foreign Reception

The most popular battery table model radio of its type. All batteries are contained in the cabinet. Receives programs from foreign countries as well as standard American broadcasts. Airplane type dial—tone control and dynamic speaker. Cabinet styled in Century of Progress motif. Equipped with fully guaranteed Silvertone tubes—"B" Batteries and Dry "A" Battery.

An exquisite moderne radio cabinet with all-wave American and Foreign 8-tube receiver installed. Tuning range 18 to 545 meters, inclusive. Reproduction equal to electric powered radios. Equipped with Silvertone tubes, "B" Batteries and One Year Dry "A" Battery.



Height 37 inches

MODEL 1857—8-Tube All Wave Battery Console

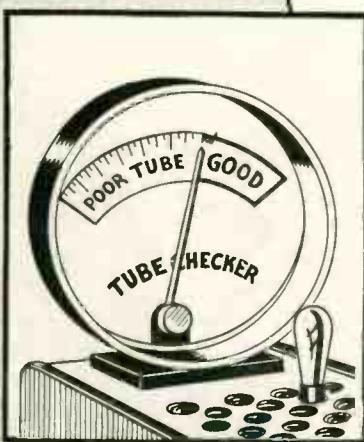
SILVERTONE RADIO

Sold Exclusively by SEARS, ROEBUCK AND CO.

Precision Built—Performance Tested

SILVERTONE Radio Tubes

• • • are Better yet they
COST LESS! • • •



Accurate, Honest, Tube Testing Service

All Sears Roebuck stores are equipped with the latest and most modern tube testing equipment with which they can determine the efficiency of your radio tubes. Radio tubes wear out gradually and although your set may seem to play all right, its efficiency is greatly lowered, if all the tubes are not in tip top condition. Bring them to your nearest Sears Retail store for test if they are six months or more old. There is no charge or obligation for this service.

Silvertone tubes are better than most radio tubes on the market today. They are equal to the finest tube manufactured regardless of price—yet they sell for less than comparable quality tubes. Why? Our tremendous buying power—low selling costs and direct from factory to user distribution.

Silvertone Tubes Improve Any Radio
For lifelike reproduction of programs and to reach out for those distant stations, day in and day out radio tubes must have stamina.

Silvertone Tubes are Long Life Tubes
Inferior tubes lose efficiency after being in operation a short time. They lack stamina. The result is poor reproduction and loss of power in your radio.

Silvertone Tubes Save You Money
When you buy Silvertone you save in two ways. First—You save on the initial cost. Silvertone tubes sell for much less than tubes of comparable quality and construction. Second—Their long life quality makes replacement occur less often and assures faithful reproduction and power from your radio for a longer time.

FREE



**ASK FOR A
FREE SAFETY TUBE CARRIER**

Many people hesitate to bring their tubes in for test as they have no convenient way to carry them. Stop at your nearest Sears Retail store and get one of the Safety Tube Carriers illustrated above. There is no charge for the carrier and it will provide a safe, convenient way in which to carry your radio tubes when you bring them to Sears for testing.



**SOLD EXCLUSIVELY BY
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RETAIL STORES**

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Silvertone Tubes fit All Standard Radio Sets

World Radio History