



LISTENING  
IN  
*with*  
CELORON

# Listening In With Celeron

You are now beyond the stage when you *thought* about having a set. You have bought a Celeron radio panel and are ready to put your instruments together. Perhaps you are even now tuning in on concerts in all parts of the country and checking the stations you have already heard.

In making use of a Celeron Radio Panel you are helping to guard against a loss which would reduce the efficiency and power of your set.

Electric current is precious in all radio work. It must be conserved—insulated. Celeron is an insulating material that resists the attempts of electricity to escape. It has, therefore, what is known as dielectric strength.

The high dielectric strength, low dielectric losses and high surface and volume resistivity of Celeron will help you listen in on as many of the broadcasting stations listed here as the strength of your set will permit. It will aid you in getting clearly messages that would with poor insulation be blurred and meaningless.

If at any time you want a panel or different size or a friend of yours needs one for his set, Celeron Standard Radio Panels come already cut and wrapped in the following sizes:

1. 6 x 7 x 1-8
2. 7 x 9 x 1-8
3. 7 x 12 x 1-8
4. 7 x 18 x 3-16
5. 9 x 14 x 3-16
6. 7 x 21 x 3-16
7. 12 x 14 x 3-16

## CONSULT OUR RADIO DEPARTMENT

Do not think, however, that with the sale of a Celeron panel the service of the Diamond State Fibre Company ends. A radio expert will gladly tell you how to make the best use of this panel or any other you may need. If you have any questions about making your hook-up or getting the best results with it, let us know the details and our Radio Department will try to tell you what to do.

Simply address Radio Department, Diamond State Fibre Company, Bridgeport, Pa., enclosing 2-cent stamp for reply. It is worthwhile to find out how to get the greatest possible enjoyment out of your set without spending a great deal of time over it yourself if it does not give the results it should.



**Diamond State Fibre Company**

**BRIDGEPORT**

(near Philadelphia) PENNSYLVANIA

Branch Factories and Warehouses

BOSTON CHICAGO SAN FRANCISCO

Offices in Principal Cities

In Canada: Diamond State Fibre Company, of Canada, Ltd.  
Toronto

Complete List of Broadcasting Stations in  
the United States.

*For Your Own Convenience Check the  
Stations as You Get Them*

# List of Broadcasting Stations in the United States

Stations marked with \* are broadcasting on 400 meters.

<b>KAO</b>	Young Men's Christian Assoc'n, Denver, Colo
<b>KDN</b>	Lee U. Meyerberg Co.....San Francisco, Calif.
<b>KFC</b>	Northern Radio & Electric Co., Seattle, Wash.
<b>KFI</b>	E. C. Anthony .....Los Angeles, Calif.
<b>KFV</b>	Foster Bradbury Radio Store...Yakima, Wash.
<b>KFZ</b>	Doerr Mitchell Elec. Co.....Spokane, Wash.
<b>KGB</b>	Wm. A. Mullins Electric Co....Tacoma, Wash.
<b>KGG</b>	Hallock & Watson Radio Service, Portland, Ore.
<b>KGN</b>	Northwestern Radio Mfg. Co....Portland, Ore.
<b>KGO</b>	Altadena Radio Laboratory ...Altadena, Calif.
<b>KGU</b>	M. A. Muirony .....Honolulu, Hawaii
* <b>KGW</b>	Oregonian Publishing Co.....Portland, Ore.
<b>KGY</b>	St. Martin's College.....Lacey, Wash.
<b>KHD</b>	Aldrich Marble & Granite Company Colorado Springs, Colo.
* <b>KHJ</b>	Times Mirror Co.....Los Angeles, Calif.
<b>KHIQ</b>	Louis Wasmer .....Seattle, Wash.
<b>KJC</b>	Standard Radio Co. ....Los Angeles, Calif.
<b>KJJ</b>	The Radio Shop.....Sunnyvale, Calif.
<b>KJQ</b>	C. O. Gould .....Stockton, Calif.
<b>KJR</b>	Vincent I. Kraft .....Seattle, Wash.
<b>KJS</b>	Bible Institute of Los Angeles, Inc. Los Angeles, Calif.
<b>KLB</b>	J. J. Dunn & Co. ....Pasadena, Calif.
<b>KLN</b>	Nogre Electric Works.....Monterey, Calif.
<b>KLP</b>	Colin B. Kennedy Co. ....Los Altos, Calif.
<b>KLK</b>	Warner Broth' .....Oakland, Calif.
<b>KLX</b>	Tribune Publishing Co. ....Oakland, Calif.
<b>KLZ</b>	Reynolds Radio Co. ....Denver, Colo.
<b>KMC</b>	Lindsay-Weatherill & Co. ....Readley, Calif.
<b>KMJ</b>	San Joaquin Light & Power Co., Fresno, Calif.
<b>KMO</b>	Love Electric Co. ....Tacoma, Wash.
<b>KNI</b>	T. W. Smith .....Eureka, Calif.
<b>KNJ</b>	Roswell Public Service Co.....Roswell, N. M.
<b>KNN</b>	Bullok's .....Los Angeles, Calif.
<b>KNT</b>	North Coast Products Co....Aberdeen, Wash.
<b>KNV</b>	Radio Supply Co.....Los Angeles, Calif.
<b>KNX</b>	Electric Lighting Supply Co., Los Angeles, Calif.
<b>KOA</b>	Y. M. C. A. ....Denver, Colo.
<b>KOB</b>	New Mexico College of Agriculture and Mechanical Arts....State College, N. Mex.
<b>KOG</b>	Western Radio Electric Co., Los Angeles, Calif.
<b>KON</b>	Holzwaeger, Inc. ....San Diego, Calif.
<b>KOP</b>	Detroit Police Dept. ....Detroit, Mich.
<b>KOQ</b>	Modesto Evening News.....Modesto, Calif.
<b>KPO</b>	Hale Brothers.....San Francisco, Calif.
<b>KQI</b>	University of California.....Berkeley, Calif.
<b>KQP</b>	Blue Diamond Electric Co....Hood River, Ore.
<b>KQV</b>	Doubleday-Hill Electric Co....Pittsburgh, Pa.
<b>KQW</b>	Charles D. Herrold.....San Jose, Calif.
<b>KQY</b>	Stubbs Electric Co.....Portland, Ore.
<b>KRE</b>	Maxwell Electric Co.....Berkeley, Calif.
* <b>KSD</b>	Post Dispatch .....St. Louis, Mo.
<b>KSL</b>	The Emporium .....San Francisco, Calif.
<b>KSS</b>	Prest & Dean Radio Resch. Lab. Long Beach, Cal.
<b>KTW</b>	First Presbyterian Church.....Seattle, Wash.
<b>KTC</b>	The Examiner Printing Co...San Francisco, Cal.
<b>KUS</b>	City Dye Wks. & Laundry Co., Los Angeles, Cal.
<b>KVQ</b>	Coast Radio Company .....Del Monte, Calif.
<b>KVG</b>	J. C. Hobrecht .....Sacramento, Calif.
<b>KWG</b>	Portable Wireless Telephone Co., Stockton, Calif.
<b>KWH</b>	Los Angeles Examiner.....Los Angeles, Calif.
<b>KXD</b>	Herald Publishing Company.....Modesto, Calif.

KXS	Braun Corporation.....	Los Angeles, Calif.
KYI	Alfred Harrell .....	Bakersfield, Calif.
KYJ	Leo J. Meyberg Co.....	Los Angeles, Calif.
KYQ	Electric Shop .....	Honolulu, T. H.
*KYW	Westinghouse Electric & Mfg. Co.,	Chicago, Ill.
KYY	The Radio Telephone Shop,	San Francisco, Cal.
KZC	Public Mkt. & Mkt. Stores Co.,	Seattle, Wash.
KZM	Preston, D. Allen.....	Oakland, Calif.
KZN	The Desert News.....	Salt Lake City, Utah
KZV	Wenatchee Battery & Motor Company	Wenatchee, Wash.
KZY	Atlantic Pacific Radio Supplies Co.	Oakland, Cal.
D-KDKA	Westinghouse Elec. & Mfg. Co.,	Pittsburgh, Pa.
KDPT	Southern Electric Co.....	San Diego, Calif.
KDYL	Telegram Publishing Co.,	Salt Lake City, Utah
KDYM	Savoy Theatre.....	San Diego, Calif.
KDYO	Carson & Simpson.....	San Diego, Calif.
KDYQ	Oregon Institute of Technology..	Portland, Ore.
KDYS	The Tribune, Inc.....	Great Falls, Mont.
KDYV	Cope & Cornwell Co.....	Salt Lake City, Utah
KDYW	Smith, Hughes & Co.....	Phoenix, Ariz.
KDYX	Star Bulletin Publishing Co.,	Honolulu, T. H.
KDZA	Arizona Daily Star.....	Tucson, Ariz.
KDZB	Frank E. Siefert .....	Bakersfield, Calif.
KDZE	The Rhodes Co.....	Seattle, Wash.
KDZF	Automobile Club of So. Calif.,	Los Angeles, Cal.
KDZG	Cyrus Peiree & Co.....	San Francisco, Calif.
KDZH	Fresno Evening Herald .....	Fresno, Calif.
KDZI	Electric Supply Company..	Wenatchee, Wash.
KDZK	Nevada Machinery & Electric Co.,	Reno, Nev.
KDZL	Rocky Mountain Radio Corp.....	Ogden, Utah
KDZM	E. A. Hollingworth.....	Centralia, Wash.
KDZP	Newberry Electric Corporation,	Los Angeles, Cal.
KDZQ	William D. Pyle.....	Denver, Colo.
KDZR	Bellingham Publishing Co.,	Bellingham, Wash.
KDZT	Seattle Radio Association.....	Seattle, Wash.
KDZU	Western Radio Corporation.....	Denver, Colo.
KDZV	Cape & Cornwell Co.....	Salt Lake City, Utah
KDZW	Claude W. Gerdes.....	San Francisco, Calif.
KDZX	Glad Tidings Tabernacle..	San Francisco, Calif.
KDZZ	Kinney Brothers & Sipprell.....	Everett, Wash.
KFAC	Glendale Daily Press.....	Glendale, Calif.
KFAD	McArthur Bros. Mercantile Co.,	Phoenix, Ariz.
KFAE	State College of Washington..	Pullman, Wash.
KFAF	Western Radio Corporation.....	Denver, Colo.
KFAJ	University of Colorado .....	Boulder, Colo.
KFAN	Electric Shop .....	Moscow, Idaho
KFAP	Standard Publishing Company..	Butte, Mont.
KFAQ	City of San Jose.....	San Jose, Calif.
KFAR	O. K. Olsen .....	Hollywood, Calif.
KFAS	Reno Motor Supply Company....	Reno, Nev.
KFAT	Dr. S. T. Donohue.....	Eugene, Ore.
KFAU	Independent School District...	Boise City, Idaho
KFAV	Abbott-Kinney Co.....	Venice, Calif.
KFAW	Radio Den, Ashford & White,	Santa Anna, Cal.
KFAY	W. J. Virgin Milling Co.,	Central Point, Ore.
KFAZ	C. H. Weatherell .....	Reddley, Calif.
KFBB	F. A. Buttrey & Co. ....	Havre, Mont.
KFBO	W. K. Azbill .....	San Diego, Calif.
KFBD	Clarence V. Welsh .....	Hanford, Calif.
KFBE	Reuben H. Horn.....	San Luis Obispo, Calif.
KFBH	Thomas Musical Company..	Marshfield, Idaho
KFBK	Kimball-Upson Company....	Sacramento, Calif.
KFBL	Leese Brothers .....	Everett, Wash.
KFBM	Cook & Foster .....	Astoria, Ore.
KFBN	Borch Radio Corporation .....	Oakland, Calif.
KFBQ	Savage Electric Company.....	Prescott, Ariz.
KFBS	Chronicle News and Gas & Electric	Supply Company .....
KFRU	Bishop N. S. Thomas .....	Trinidad, Colo.
KFBV	Clarence O. Ford.....	Colorado Springs, Colo.

KFCB	Nielson Radio Supply Company..Phoenix, Ariz.
KFCO	Auto Supply Company.....Wallace, Idaho
KFCD	Salem Electric Company.....Salem, Ore.
KFCF	Frank A. Moore.....Walla Walla, Wash.
KFCH	Electric Service Station.....Billings, Mont.
KFKC	Colorado Springs Radio Co., Colo. Springs, Colo.
KFCL	Los Angeles Union Stock Yards, Los Angeles, Cal.
KFCM	Richmond Radio Shop.....Richmond, Calif.
KFCQ	Motor Service Station.....Casper, Wyo.
KFDA	Adler's Music Store.....Baker, Ore.
*KFDB	Mercantile Trust Co.....San Francisco, Calif.
KFDO	Radio Supply Company.....Spokane, Wash.
KFDD	St. Michaels Cathedral.....Boise, Idaho
KDFP	Wyoming Radio Corporation.....Casper, Wyo.
KFDH	University of Arizona.....Tucson, Ariz.
KFDJ	Oregon Agricultural College.....Corvallis, Ore.
KFDL	Knight-Campbell Music Company.Denver, Colo.
KFEB	The City of Taft.....Taft, Calif.
KFEC	Meier & Frank Company.....Portland, Ore.
KFED	Billings Polytechnic Institute, Polytechnic, Mont.
KFEJ	Guy Greason.....Tacoma, Wash.
KFEP	Radio Equipment Company.....Denver, Colo.
KFFA	Dr. R. C. Shelton.....San Diego, Calif.
KFFE	Eastern Oregon Radio Company.Pendleton, Ore.
KFGG	Astoria Budget.....Astoria, Oregon
KFGH	Leland Stanford, Jr., Univ., Stanford Univ., Cal.
KFHJ	Pallon Company.....Santa Barbara, Calif.
WAH	Midland Refining Company..El Dorado, Kans.
WBL	T. & H. Radio Company.....Anthony, Kans.
WBS	D. W. May, Inc. ....Newark, N. J.
WBT	Southern Radio Corporation...Charlotte, N. C.
WBU	City of Chicago.....Chicago, Ill.
WBZ	Westinghouse Elec. & Mfg. Co., Springfield, Mass.
WCE	Findley Electric Company..Minneapolis, Minn.
WCK	Stix-Baer-Fuller.....St. Louis, Mo.
WCM	University of Texas.....Austin, Tex.
WCN	Clark University.....Worcester, Mass.
*WCX	Detroit Free Press.....Detroit, Mich.
WDM	Church of the Covenant....Washington, D. C.
WDT	Ship Owners Radio Service..New York, N. Y.
WDV	John O. Yelser, Jr.....Omaha, Nebr.
WDZ	James L. Bush.....Tuscola, Ill.
WEB	Benwood Company.....St. Louis, Mo.
WEH	Midland Refining Company.....Tulsa, Okla.
WEV	Hurlburt-Stitt Electrical Company.Houston, Tex.
WEW	St. Louis University.....St. Louis, Mo.
*WFI	Strawbridge & Clothier.....Philadelphia, Pa.
WFO	The Rike Kumler Company.....Dayton, Ohio
WFY	Cosradio Company.....Wichita, Kans.
WGF	The Register & Tribune....Des Moines, Iowa
WGI	American Radio and Research Corporation, Medford Hillside, Mass.
WGL	Thomas F. J. Howlett.....Philadelphia, Pa.
*WGM	Atlanta Constitution.....Atlanta, Ga.
WGR	Federal Tel. & Tel. Co.....Buffalo, N. Y.
WGV	Interstate Electric Company..New Orleans, La.
WGY	General Electric Company...Schenectady, N. Y.
WHA	University of Wisconsin.....Madison, Wis.
*WHB	Sweeney School Company.....Kansas City, Mo.
WHD	West Virginia University..Morgantown, W. Va.
WHK	Warren R. Cox.....Cleveland, Ohio
WHN	Ridgewood Times Printing & Pub. Co., Ridgewood, N. Y.
WHW	Stewart W. Seeley.....East Lansing, Mich.
WHX	Iowa Radio Corporation....Des Moines, Iowa
WIK	K. & L. Electric Company...McKeesport, Pa.
WIL	Continental Elec. Supply Co., Washington, D. C.
WIP	Gimbel Brothers.....Philadelphia, Pa.
WIZ	Cmo Radio Mfg. Co.....Cincinnati, Ohio
WJD	Richard H. Howe.....Granville, Ohio
WJH	White & Boyer.....Washington, D. C.

<b>WJK</b>	Service Radio Eulpment Co.....	Toledo, Ohio
<b>WJX</b>	DeForest Radio Tel. & Tel. Co.,	New York, N.Y.
<b>WJZ</b>	Radio Corporation of America—Westinghouse Elec. & Mfg. Co.....	Newark, N. J.
<b>WKA</b>	Landaus Music & Jewelry Co,	Wilkes-Barre, Pa.
<b>WKC</b>	Joseph M. Zamoiski Company...	Baltimore, Md.
<b>WKN</b>	Riechman-Crosby Company.....	Memphis, Tenn.
<b>WKY</b>	Oklahoma Radio Shop...	Oklahoma City, Okla.
<b>WLB</b>	University of Minnesota...	Minneapolis, Minn.
<b>WLK</b>	Hamilton Mfg. Co.....	Indianapolis, Ind.
<b>WLW</b>	Crosley Mfg. Co. ....	Cincinnati, Ohio
<b>WMA</b>	Arrow Radio Laboratories.....	Anderson, Ind.
<b>WMB</b>	Auburn Electrical Company.....	Auburn, Me.
<b>WMH</b>	Precision Equipment Company.	Cincinnati, Ohio
<b>WMU</b>	Doubleday-Hill Electrical Co....	Pittsburgh, Pa.
<b>WNJ</b>	Shotton Radio Mfg. Co.....	Albany, N. Y.
<b>WNO</b>	Wireless Telephone Co. of Hudson County, N. J. ....	Jersey City, N. J.
<b>*WOC</b>	Palmer School of Chiropractic.	Davenport, Iowa
<b>WOE</b>	Buckeye Radio Service Company...	Akron, Ohio
<b>WOH</b>	Hatfield Electric Company...	Indianapolis, Ind.
<b>WOI</b>	Iowa State College.....	Ames, Iowa
<b>WOK</b>	Arkansas Light & Power Co... Pine Bluff, Iowa	
<b>*WOO</b>	John Wanamaker.....	Philadelphia, Pa.
<b>WOQ</b>	Western Radio Company.....	Kansas City, Mo.
<b>*WOR</b>	L. Bamberger Company.....	Newark, N. J.
<b>WOS</b>	Missouri State Mktg. Bureau, Jefferson City, Mo.	
<b>WOU</b>	Metropolitan Utilities District...	Omaha, Nebr.
<b>WOZ</b>	Palladium Printing Company...	Richmond, Ind.
<b>WPA</b>	Fort Worth Record.....	Fort Worth, Tex.
<b>WPE</b>	Central Radio Company.....	Kansas City, Mo.
<b>WPG</b>	Nushawg Poultry Farm...	New Lebanon, Ohio
<b>WPI</b>	Electric Supply Company.....	Clearfield, Pa.
<b>WPJ</b>	St. Joseph's College.....	Philadelphia, Pa.
<b>WPM</b>	Thomas J. Williams .....	Washington, D. C.
<b>WPO</b>	United Equipment Company.....	Memphis, Tenn.
<b>WQX</b>	Walter A. Kuhl.....	Chicago, Ill.
<b>WRK</b>	Doron Brothers Electric Co... Hamilton, Ohio	
<b>WRL</b>	Union College .....	Schenectady, N. Y.
<b>WRM</b>	University of Illinois.....	Urbana, Ill.
<b>WRP</b>	Federal Institute of Radio Telegraphy, Camden, N. J.	
<b>WRB</b>	City of Dallas (Police and Fire Signal Department) .....	Dallas, Tex.
<b>WRW</b>	Tarrytown Radio Research Laboratory, Tarrytown, N. Y.	
<b>*WSB</b>	Atlanta Journal .....	Atlanta, Ga.
<b>WSL</b>	J. & M. Electric Company.....	Utica, N. Y.
<b>WSN</b>	Ship Owners Radio Service.....	Norfolk, Va.
<b>WSX</b>	Erie Radio Company .....	Erie, Pa.
<b>WSY</b>	Alabama Power Company...	Birmingham, Ala.
<b>WSZ</b>	Marshall-Gerken Company .....	Toledo, Ohio
<b>WTG</b>	Kansas City Agr. College ...	Manhattan, Kans.
<b>WTP</b>	George M. McBride.....	Bay City, Mich.
<b>WVP</b>	Signal Corps, Bedloe's Isl., N. Y. Harbor, N. Y.	
<b>WVB</b>	Daily News Printing Company...	Canton, Ohio
<b>WVI</b>	Ford Motor Company.....	Dearborn, Mich.
<b>*WWJ</b>	The Detroit News .....	Detroit, Mich.
<b>WWL</b>	Lovola University.....	New Orleans, La.
<b>WWZ</b>	John Wanamaker.....	New York, N. Y.
<b>WAAB</b>	Vladmar Jensen .....	New Orleans, La.
<b>WAAC</b>	Tulane University .....	New Orleans, La.
<b>WAAD</b>	Ohio Mechanics Institute.....	Cincinnati, Ohio
<b>WAAP</b>	Chicago Daily Drivers' Journal...	Chicago, Ill.
<b>WAAM</b>	Commonwealth Electric Co.....	St. Paul, Minn.
<b>WAAN</b>	Eastern Radio Institute .....	Boston, Mass.
<b>WAAL</b>	Beamish Electric Company...	Minneapolis, Minn.
<b>WAAK</b>	Gimbel Brothers .....	Milwaukee, Wisc.
<b>WAAM</b>	L. R. Nelson Company.....	Newark, N. J.
<b>WAAN</b>	University of Missouri .....	Columbia, Mo.
<b>WAAP</b>	Otto W. Taylor .....	Wichita, Kans.

WAAQ	New England Motor Sales Co.	Greenwich, Conn.
WAAS	Georgia Radio Company	Decatur, Ga.
WAAW	Omaha Grain Exchange	Omaha, Nebr.
WAAX	Radio Service Corporation	Crafton, Pa.
WAAY	Yahrling-Raynor Piano Co.	Youngstown, Ohio
WAAZ	Hollister-Miller Motor Co.	Emporia, Kans.
WAJT	Kelley-Vawter Jewelry Company	Marshall, Mo.
WAJU	Yankton College	Yankton, S. D.
WAJV	Indian Pipe Line Corp.	Princeton, Ind.
WBAI	Purdue University	West Lafayette, Ind.
WBAB	Andrew J. Potter	Syracuse, N. Y.
WBAD	Sterling Electric Co. and Journal Printing Co.	Minneapolis, Minn.
WBAF	Fred M. Middleton	Morristown, N. J.
WBAG	Diamond State Fibre Company	Bridgeport, Pa.
WBAH	The Dayton Company	Minneapolis, Minn.
WBAJ	Marshall-Gerken Company	Toledo, Ohio
WBAN	Wireless Phone Corporation	Paterson, N. J.
WBAO	James Milliken University	Decatur, Ill.
*WBAP	The Star Telegram	Fort Worth, Tex.
WBAC	Republican Publishing Company	Hamilton, Ohio
WBAY	Erner & Hopkins Company	Columbus, Ohio
WBAW	Marietta College	Marietta, Ohio
WBAX	John H. Stenger, Jr.	Wilkes-Barre, Pa.
*WBAY	American Tel. & Tel. Co.	New York, N. Y.
WCAB	Newburgh News Printing & Publishing Co.	Newburgh, N. Y.
WCAC	John Fink Jewelry Company	Fort Smith, Ark.
WCAD	St. Lawrence University	Canton, N. Y.
*WCAE	Kaufman & Baer Company	Pittsburgh, Pa.
WCAO	Daily Star Publishing Co.	New Orleans, La.
WCAH	Entrekin Electric Company	Columbus, Ohio
WCAJ	Nebraska Wesleyan University,	University Place, Nebr.
WCAK	Alfred P. Daniel	Houston, Tex.
WCAL	St. Olaf College	Northfield, Minn.
WCAM	Villanova College	Villanova, Pa.
WCAO	Sanders & Stayman Company	Baltimore, Md.
WCAP	Kalamazoo College	Kalamazoo, Mich.
WCAQ	Tri-State Radio Mfg. & Supply Company,	Defiance, Ohio
WCAR	Alamo Radio Electric Co.	San Antonio, Tex.
WCAS	William Hood Dunwoody Industrial Institute,	Minneapolis, Minn.
WCAT	South Dakota State School of Mines,	Rapid City, S. Dak.
WCAU	Philadelphia Radiophone Co.	Philadelphia, Pa.
WCAV	J. C. Dice Electric Company	Little Rock, Ark.
WCAW	Woodmen of the World	Omaha, Nebr.
WCAX	University of Vermont	Burlington, Vt.
WCAY	Kesselmen O'Drescoll Co.	Milwaukee, Wis.
WDAC	Illinois Watch Company	Springfield, Ill.
WDAE	Tampa Daily Times	Tampa, Fla.
*WDAF	Kansas City Star	Kansas City, Mo.
WDAH	Mine & Smelter Supply Co.	El Paso, Tex.
WDAI	Hughes Electrical Corp.	Syracuse, N. Y.
WDAJ	Atlanta & West Point R. R. Company,	College Park, Ga.
WDAK	The Courant	Hartford Conn.
WDAL	Florida Times Union	Jacksonville, Fla.
WDAM	Weston Electric Company	New York, N. Y.
WDAO	Automotive Electric Company	Dallas, Tex.
WDAP	Hartman-Riker Elec. & Mach. Co.,	Brownsville, Pa.
WDAQ	Midwest Radio Central, Inc.	Chicago, Ill.
WДАР	Lit Brothers	Philadelphia, Pa.
WDAU	Samuel W. Waite	Worcester, Mass.
WDAS	Slocum & Kilburn	New Bedford, Mass.
WDAV	Muskogee Daily Phoenix	Muskogee, Okla.
WDAX	First National Bank	Centerville, Iowa
WDAY	Kenneth M. Hance	Fargo, N. D.



<b>WEAA</b>	<b>Fallain &amp; Lathrop</b> .....	<b>Flint, Mich.</b>
<b>WEAB</b>	<b>Standard Radio Equipment Co.,</b>	<b>Fort Dodge, Ia.</b>
<b>WEAC</b>	<b>Baines Electric Service Co.,</b>	<b>Terre Haute, Ind.</b>
<b>WEAD</b>	<b>Northwest Kansas Radio, Sup. Co.</b>	<b>Atwood, Kan.</b>
<b>WEAE</b>	<b>Virginia Polytechnic Institute,</b>	<b>Blacksburg, Va.</b>
<b>WEAF</b>	<b>Western Electric Company</b> ...	<b>New York, N. Y.</b>
<b>WEAG</b>	<b>Ni-hols-Hineline-Bassett</b> .....	<b>Edgewood, R. I.</b>
<b>WEAH</b>	<b>Wichita Board of Trade and Landers Radio Company</b> .....	<b>Wichita, Kans.</b>
<b>WEAI</b>	<b>Cornell University</b> .....	<b>Ithaca, N. Y.</b>
<b>WEAJ</b>	<b>University of South Dakota,</b>	<b>Vermillion, S. Dak.</b>
<b>WEAK</b>	<b>John B. Abercrombie</b> .....	<b>St. Joseph, Mo.</b>
<b>WEAM</b>	<b>Borough of North Plainfield,</b>	<b>North Plainfield, N. J.</b>
<b>WEAN</b>	<b>Shepard Company</b> .....	<b>Providence, R. I.</b>
<b>WEAO</b>	<b>Ohio State University</b> .....	<b>Columbus, Ohio</b>
<b>WEAP</b>	<b>Mobile Radio Company, Inc.</b> .....	<b>Mobile, Ala.</b>
<b>WEAQ</b>	<b>Y. M. C. A.</b> .....	<b>Berlin, N. H.</b>
<b>WEAR</b>	<b>Baltimore Am. &amp; News. Pub Co.,</b>	<b>Baltimore, Md.</b>
<b>WEAS</b>	<b>Hecht Company</b> .....	<b>Washington, D. C.</b>
<b>WEAT</b>	<b>John J. Fogarty</b> .....	<b>Tampa, Fla.</b>
<b>WEAU</b>	<b>Davidson Brothers Company</b> ...	<b>Sioux City, Iowa</b>
<b>WEAV</b>	<b>Sheridan Electric Service Co.</b> ...	<b>Rushville, Nebr.</b>
<b>WEAW</b>	<b>Arrow Radio Laboratories</b> .....	<b>Anderson, Ind.</b>
<b>WEAX</b>	<b>T. J. M. Daly</b> .....	<b>Little Rock, Ark.</b>
<b>WEAY</b>	<b>Will Horwitz, Jr.</b> .....	<b>Houston, Tex.</b>
<b>WEAZ</b>	<b>Donald Redmond</b> .....	<b>Waterloo, Iowa</b>
<b>WFAA</b>	<b>A. H. Belo &amp; Company</b> .....	<b>Dallas, Tex.</b>
<b>WFAB</b>	<b>Carl F. Woese</b> .....	<b>Syracuse, N. Y.</b>
<b>WFAC</b>	<b>Superior Radio Company</b> .....	<b>Superior, Mich.</b>
<b>WFAD</b>	<b>Watson, Weldon Motor Supply Co.,</b>	<b>Salina, Kans.</b>
<b>WFAF</b>	<b>Henry C. Spratley</b> .....	<b>Poughkeepsie, N. Y.</b>
<b>W FAG</b>	<b>Radio Engineering Laboratory,</b>	<b>Waterford, N.Y.</b>
<b>WFAH</b>	<b>Electrical Supply Company</b> ...	<b>Port Arthur, Tex.</b>
<b>WFAJ</b>	<b>Hi-Grade Wireless Instrument Company,</b>	<b>Asheville, N. C.</b>
<b>WFAM</b>	<b>Times Publishing Company</b> ...	<b>St. Cloud, Minn.</b>
<b>WFAN</b>	<b>Hutchinson Elec. Service Co.,</b>	<b>Hutchinson, Minn.</b>
<b>WFAQ</b>	<b>Missouri Wesleyan College and Cameron Radio Company</b> .....	<b>Cameron, Mo.</b>
<b>WFAS</b>	<b>United Radio Corporation</b> ...	<b>Fort Wayne, Ind.</b>
<b>WFAT</b>	<b>Daily Argus Leader</b> .....	<b>Sioux Falls, S. D.</b>
<b>WFAU</b>	<b>Edwin C. Lewis, Inc.</b> .....	<b>Boston, Mass.</b>
<b>WFAV</b>	<b>University of Nebraska</b> .....	<b>Lincoln, Nebr.</b>
<b>WFAW</b>	<b>Miami Daily Metropolis</b> .....	<b>Miami, Fla.</b>
<b>WFA Y</b>	<b>Daniels Radio Supply Co.</b> ...	<b>Independence, Kans.</b>
<b>WFAZ</b>	<b>South Carolina Radio Shop</b> ...	<b>Charleston, S. C.</b>
<b>WGAB</b>	<b>QRV Radio Company</b> .....	<b>Houston, Tex.</b>
<b>WGAC</b>	<b>Orpheum Radio Stores Company,</b>	<b>Brooklyn, N. Y.</b>
<b>WGAD</b>	<b>Spanish American School of Telegraphy</b>	<b>Ensenada, P. R.</b>
<b>WGAH</b>	<b>New Haven Electric Company,</b>	<b>New Haven, Conn.</b>
<b>WGAJ</b>	<b>W. H. Glass</b> .....	<b>Shenandoah, Ia.</b>
<b>WGAK</b>	<b>Macon Electric Company</b> .....	<b>Macon, Ga.</b>
<b>WGAL</b>	<b>Lancaster Electric Supply &amp; Construction Company</b> .....	<b>Lancaster, Pa.</b>
<b>WGAM</b>	<b>Orangeburg Radio Equipment Company</b>	<b>Orangeburg, S. C.</b>
<b>WGAN</b>	<b>Cecil E. Lloyd</b> .....	<b>Pensacola, Fla.</b>
<b>WGAQ</b>	<b>W. G. Patterson</b> .....	<b>Shreveport, La.</b>
<b>WGAR</b>	<b>Southern American</b> .....	<b>Fort Smith, Ga.</b>
<b>WGS</b>	<b>Ray-di-co Organization</b> .....	<b>Chicago, Ill.</b>
<b>WGAT</b>	<b>American Legion, Dept. of Nebr.,</b>	<b>Lincoln, Nebr.</b>
<b>WGAU</b>	<b>Marcus G. Lumb</b> .....	<b>Wooster, Ohio</b>
<b>WGA W</b>	<b>Ernest C. Albright</b> .....	<b>Altoona, Pa.</b>
<b>WGAX</b>	<b>Radio Electric Co., Washington</b>	<b>Courthouse, Ohio</b>
<b>WGAY</b>	<b>North Western Radio Company,</b>	<b>Madison, Wis.</b>
<b>WGAZ</b>	<b>South Bend Tribune</b> .....	<b>South Bend, Ind.</b>
<b>WHAA</b>	<b>State University of Iowa</b> .....	<b>Iowa City, Ia.</b>
<b>WHAB</b>	<b>Clark W. Thompson</b> .....	<b>Galveston, Tex.</b>
<b>WHAC</b>	<b>Cole Brothers Electric Company</b> ...	<b>Waterloo, Ind.</b>






















<b>WHAD</b>	Marquette University.....	Milwaukee, Wisc.
<b>WHAE</b>	Automotive Electric Service Co.,	Sioux City, Ia.
<b>WHAF</b>	Radio Electric Company.....	Pittsburgh, Pa.
<b>WHAG</b>	University of Cincinnati.....	Cincinnati, Ohio
<b>WHAH</b>	J. T. Griffin .....	Joplin, Mo.
<b>WHAI</b>	Radio Equipment & Mfg. Co.,	Davenport, Iowa
<b>WHAK</b>	Roberts Hardware Company.	Clarksburg, W. Va.
<b>WHAL</b>	Lansing Capitol News.....	Lansing, Mich.
<b>WHAM</b>	School of Music, Rochester Univ.	Rochester, N.Y.
<b>WHAO</b>	F. A. Hill .....	Savannah, Ga.
<b>WHAP</b>	Dewey L. Otta .....	Decatur, Ill.
<b>WHAQ</b>	Semmes Motor Company....	Washington, D. C.
<b>WHAR</b>	Paramount Radio & Electric Company, Atlantic City, N. J.	
<b>WHAS</b>	Courier Journal & Louisville Times, Louisville, Ky.	
<b>WHAU</b>	Wilmington Electric & Supply Company, Wilmington, Del.	
<b>WHAW</b>	Pierce Electric Company .....	Tampa, Fla.
<b>WHAX</b>	Huntington Press .....	Huntington, Ind.
<b>WHAZ</b>	Rensselaer Polytechnic Institute...	Troy, N. Y.
<b>WHAB</b>	Joslyn Automobile Company....	Rockford, Ill.
<b>WIAD</b>	Ocean City Yacht Club.....	Ocean City, N. J.
<b>WIAE</b>	Mrs. Robert E. Zimmerman.....	Venton, Ia.
<b>WIAF</b>	Gustav A. DeCortin.....	New Orleans, La.
<b>WIAH</b>	Continental Radio Mfg. Co.....	Newton, Ia.
<b>WIAI</b>	Heers Store Company .....	Springfield, Mo.
<b>WIAJ</b>	Fox River Valley Radio Supply Company Neenah, Wisc.	
<b>WIAK</b>	The Stockman Journal.....	Omaha, Nebr.
<b>WIAP</b>	J. A. Rudy & Sons.....	Paducah, Ky.
<b>WIAQ</b>	Chronicle Publishing Company....	Marion, Ind.
<b>WIAS</b>	Burlington Hawkeye-Home Electric Company Burlington, Ia.	
<b>WIAT</b>	Leon T. Noel.....	Tarkio, Mo.
<b>WIAU</b>	American Sec. & Sav. Bank.....	Le Mars, Ia.
<b>WIAV</b>	New York Radio Laboratories,	Binghamton, N.Y.
<b>WIAW</b>	Saginaw Radio & Elec. Co.....	Saginaw, Mich.
<b>WIX</b>	Capital Radio Company.....	Lincoln, Nebr.
<b>WIAY</b>	Woodward & Lothrop .....	Washington, D. C.
<b>WIAZ</b>	Electric Supply Sales Company....	Miami, Fla.
<b>WJAB</b>	American Radio Company.....	Lincoln, Nebr.
<b>WJAD</b>	Jackson's Radio Eng. Lab. ....	Waco, Tex.
<b>WJAE</b>	Texas Radio Syndicate....	San Antonio, Tex.
<b>WJAG</b>	Huge Publishing Company.....	Norfolk, Nebr.
<b>WJAJ</b>	Y. M. C. A. ....	Dayton, Ohio
<b>WJAK</b>	White Radio Laboratory.....	Stockdale, Ohio
<b>WJAL</b>	Victor Radio Corporation.....	Portland, Me.
<b>WJAM</b>	D. M. Perham .....	Cedar Rapids, Ia.
<b>WJAN</b>	Peoria Star & Peoria Radio Sales Co.	Peoria, Ill.
<b>WJAP</b>	Kelly-Duluth Company.....	Duluth, Minn.
<b>WJAR</b>	The Outlet Company.....	Providence, R. I.
<b>WJAS</b>	Pittsburgh Radio Supply House,	Pittsburgh, Pa.
<b>WJAX</b>	The Union Trust Company....	Cleveland, Ohio
<b>WJAZ</b>	Chicago Radio Laboratory.....	Chicago, Ill.
<b>WKAA</b>	H. F. Paar & Republican Times, Cedar Rapids, Ia.	
<b>WKAQ</b>	Star Publishing Company.....	Lincoln, Nebr.
<b>WKAD</b>	Charles Loof .....	East Providence, R. I.
<b>WKAF</b>	W. S. Radio Supply Co. and Wm. Schack, Wichita Falls, Tex.	
<b>WKAG</b>	Edwin T. Bruce, M. D.....	Louisville, Ky.
<b>WKAH</b>	Planet Radio Company.	West Palm Beach, Fla.
<b>WKAK</b>	Okfuskee County News.....	Okemah, Okla.
<b>WKAL</b>	Gray & Gray .....	Orange, Tex.
<b>WKAN</b>	Alabama Radio Mfg. Co....	Montgomery, Ala.
<b>WKAP</b>	Dutee Wilcox Flint.....	Cranston, R. I.
<b>WKAQ</b>	Radio Corporation of Porto Rico,	San Juan P.R.
<b>WKAR</b>	Michigan Agri. College....	East Lansing, Mich.
<b>WKAS</b>	L. E. Lines Music Company....	Springfield, Mo.
<b>WKAU</b>	Laconia Radio Club.....	Laconia, N. H.

WKAW	Turner Cycle Company.....	Beloit, Wisc.
WKAX	Wm. A. McFarlane.....	Bridgeport, Conn.
WKAY	Brenau College .....	Janesville, Ga.
WLAC	North Carolina State College....	Raleigh, N. C.
WLAJ	Johnson Radio Company .....	Lincoln, Nebr.
*WLAG	Cutting & Washington Radio Corporation	Minneapolis, Minn.
WLAH	Samuel Woodworth.....	Syracuse, N. Y.
WLAJ	Waco Electrical Supply Company..	Waco, Tex.
WLAK	Vermont Farm Mach. Co.....	Bellows Falls, Vt.
WLAL	Tulsa Radio Company.....	Tulsa, Okla.
WLAM	Morrow Radio Company.....	Springfield, Ohio
WLAN	Putnam Hardware Company.....	Houlton, Me.
WLAO	Anthracite Radio Shop.....	Scranton, Pa.
WLAP	W. V. Jordon .....	Louisville, Ky.
WLAQ	A. E. Schilling .....	Kalamazoo, Mich.
WLAR	Mickel Music Company... ..	Marshalltown, Iowa
WLAS	Hutchinson Grain Radio Co... ..	Hutchinson, Kans.
WLAT	Radio & Specialty Company... ..	Burlington, Iowa
WLAV	Electric Shop, Inc. ....	Pensacola, Fla.
WLAW	New York Police Dept ..	New York City, N. Y.
WLAX	Greencastle Community Broadcasting Station,	Greencastle, Ind.
WLAY	Northern Commercial Company of Alaska,	Fairbanks, Alaska
WLAZ	Hutton & Jones Elec. Co.....	Warren, Ohio
WMAB	Radio Supply Company..	Oklahoma City, Okla.
WMAC	F. Edward Page... ..	Fernwood, Cazenovia, N. Y.
WMAF	Round Hills Radio Corp.....	Dartmouth, Mass.
WMAG	Tucker Electric Company.....	Liberal, Kans.
WMAH	General Supply Company.....	Lincoln, Nebr.
WMAJ	Drovers Telegram Company..	Kansas City, Mo.
WMAK	Norton Laboratories.....	Lockport, N. Y.
WMAL	Trenton Hardware Company... ..	Trenton, N. J.
WMAM	Beaumont Radio Equipment Co..	Beaumont, Tex.
WMAN	Broad Street Baptist Church... ..	Columbus, Ohio
WMAP	Utility Battery Service.....	Easton, Pa.
WMAQ	The Chicago Daily News.....	Chicago, Ill.
WMAR	Waterloo Electrical Supply Co..	Waterloo, Iowa
WMAT	Paramount Radio Corporation..	Duluth, Minn.
WMAV	Alabama Polytechnic Institute... ..	Auburn, Ala.
WMAW	Wahpeton Electric Company... ..	Wahpeton, N. D.
WMAX	K. & K. Radio Supply Co... ..	Ann Arbor, Mich.
WMAY	Kingshighway Presby'n Church..	St. Louis, Mo.
WMAZ	Mercer University .....	Macon, Ga.
WNAB	Park City Daily News.....	Bowling Green, Ky.
WNAC	Shepard Stores .....	Boston, Mass.
WNAD	Oklahoma Radio Eng. Co.....	Norman, Okla.
WNAF	Enid Radio Distributing Company..	Enid, Okla.
WNAJ	Rathert Radio & Electric Company..	Cresco, Ia.
WNAK	Manhattan Radio Supply Co.,	Manhattan, Kans.
WNAJ	Benson Company.....	Chicago, Ill.
WNAL	R. J. Rockwell .....	Omaha, Nebr.
WNAM	Ideal Apparatus Company.....	Evansville, Ind.
WNAN	Syracuse Radio Tele. Co. ....	Syracuse, N. Y.
WNAP	Wittenberg College .....	Springfield, Ohio
WNAQ	Charleston Radio Elec. Co....	Charleston, S. C.
WNAR	C. C. Rhodes .....	Butler, Mo.
WNAS	Texas Radio Corporation and	Austin, Tex.
WNAT	Lenning Brothers Company... ..	Philadelphia, Pa.
WNAV	People's Tel. & Tel. Co.....	Knoxville, Tenn.
WNAW	Henry Kunzmann .....	Fortress Monroe, Va.
WNAX	Dakota Radio Apparatus Co... ..	Yankton, S. D.
WNAZ	Ship Owners' Radio Service....	Baltimore, Md.
WOAA	Dr. Walter Hardy.....	Ardmore, Okla.
WOAB	Valley Radio .....	Grand Forks, N. D.
WOAC	Maus Radio Company .....	Lima, Ohio
WOAD	Friday Battery & Elec. Co... ..	Sigourney, Iowa
WOAE	Midland College .....	Fremont, Nebr.
WOAF	Tyler Commercial College.....	Tyler, Tex.

WOAG	Apollo Theatre	Belvidere, Ill.
WOAH	Palmetto Radio Corporation	Charleston, S. C.
WOAI	Southern Equipment Co.	San Antonio, Tex.
WOAJ	Ervin's Electrical Company	Parsons, Kans.
WOAK	Collins Hardware Company	Frankfort, Ky.
WOAL	Wm. E. Woods	Webster Grove, Mo.
WOAN	James D. Vaughan	Lawrenceburg, Tenn.
WOAQ	Portsmouth Radio Association	Portsmouth, Va.
WOAR	Henry P. Lundsow	Kenosha, Wisc.
WOAS	Bailey's Radio Shop	Middletown, Conn.
WOAT	Boyd Martell Hamp	Wilmington, Del.
WOAU	Sowder Bolling Piano Company	Evansville, Ind.
WOAV	Pennsylvania National Guard	Erie, Pa.
WOAZ	Penick Hughes Company	Stanford, Texas
WOAX	Franklyn J. Wolf	Trenton, N. J.
WOAY	John W. Wilder	Birmingham, Ala.
WPA A	Anderson & Webster Electric Co.	Waco, Tex.
WPAB	Pennsylvania State College	State College, Pa.
WPAC	Donaldson Radio Company	Omulgee, Okla.
WPAD	Wieboldt & Company	Chicago, Ill.
WPAF	Peterson's Radio Company	Council Bluffs, Iowa
WPAG	Central Radio Co., Inc.	Independence, Mo.
WPAH	Wisconsin Dept. of Markets	Waupaca, Wisc.
WPAJ	Doolittle Radio Corporation	New Haven, Conn.
WPAK	N. Dakota Agricultural College	Fargo, N. Dak.
WPAL	Superior Radio & Tel. Equipment Co.	Columbus, Ohio
WPAM	Awerbach & Guettel	Topeka, Kans.
WPAP	Theodore D. Phillips	Winchester, Ky.
WPAQ	General Sales & Eng. Co.	Frostburg, Md.
WPAR	R. A. Ward	Beloit, Kans.
WPAS	J. & M. Electric Company	Amsterdam, N. Y.
WPAT	St. Patrick's Cathedral	El Paso, Tex.
WPAU	Concordia College	Moorhead, Minn.
WPAV	Paul Tinetti & Sons	Laurium, Mich.
WPAW	Radio Installation Co., Inc.	Wilmington, Del.
WPA X	S-W Radio Co., J. R. Shumate, Jr.	Thomasville, Ga.
WQAA	Horace A. Beale, Jr.	Parkersburg, Pa.
WQAB	Southwest Missouri State Teachers College	Springfield, Mo.
WQAC	E. B. Gish	Amarillo, Tex.
WQAK	Appel-Higley Electric Co.	Dubuque, Iowa
WQAL	Cole County Tel. and Tel. Co.	Mattoon, Ill.
WQAP	American Radio Company	Lincoln, Nebr.
WQAQ	West Texas Radio Company	Abilene, Tex.
WRAA	Rice Institute	Houston, Tex.
WRAM	Robert E. Compton & Carthage College	Carthage, Ill.
WRAN	Black Hawk Elec. Co.	Waterloo, Iowa
WRAR	Jacob C. Thomas	David City, Nebr.
WRAU	Amarillo Daily News	Amarillo, Tex.
WRAY	Radio Sales Corporation	Scranton, Pa.
WSAJ	Grove City College	Grove City, Pa.
WSAS	State of Nebraska	Lincoln, Nebr.
WSAV	Clifford W. Vick, Radio Construction Co	Houston, Tex.
WTAC	Penn Traffic Company	Johnstown, Pa.
WTAU	Ruegy Battery & Elec. Co.	Tecumseh, Nebr.
WTAW	Agricultural & Mechanical College of Texas	College Station, Tex.
WWAC	Sanger Brothers	Waco, Tex.
WWAD	Wright & Wright, Inc.	Philadelphia, Pa.
WWAH	General Supply Company	Lincoln, Nebr.
WWAX	Worman Brothers	Laredo, Tex.

# SYMBOLS

When you look over diagrams of hook-ups, you may see one or two symbols that are unfamiliar. This list includes all those usually found in such diagram, and any new ones you may want to remember, and thus keep the list complete.

Antenna . . . . .		or		or	
Ground . . . . .					
Vacuum Tube . . . . .		or		or	
Fixed Resistance . . . . .					
Variable Resistance		or			
Wire Connections		or			
No Connections of Wires . . . . .					
Telephone Receivers . . . . .					
Crystal Detector . . . . .					
Voltmeter . . . . .		or			
Ammeter . . . . .		or			
Galvanometer . . . . .		or			

Variable Capacitance . . . . .  
(Var. Condenser)



Fixed Capacitance . . . . .  
(Condenser)



or



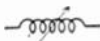
Battery . . . . .



Fixed Inductance . . . . .  
(Air Core Coil)



Variable Inductance . . . . .  
(Air Core Coil)



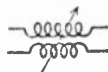
or



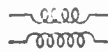
Iron Core Inductance . . . . .  
(or Reactance Coil)



Variable Coupling of Coils . . . . .



Fixed Coupling of Coils . . . . .  
(Fixed Inductive Coupling)



Transformer . . . . .



Variometer . . . . .  
(Variable Inductance)



Direct Current  
Dynamo . . . . .



or



Alternating Current  
Generator . . . . .



or



Wcap 67.47 Wmak

CONDENSITE  
**CELORON**  
STANDARD RADIO PANEL

wip. W-4-11-12  
wip