



Vol. 2

JUNE 3, 1922

No. 1

ENTERTAINING FROM STATION KDKA



Virginia Baldwin, reader; N. J. Caton, tenor; Elizabeth P. Coles, violinist.



The Willard All-Rubber Radio "A" Battery has a one-piece rubber case—Threaded Rubber Insulation—special Radio plates.

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It's mighty satisfying to know that your "A" battery has the voltage to bring in the concert clearly—that your set will stay tuned—and that ground noises won't interfere. It's worth while to be sure yours is a real Willard Radio "A" Battery.

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K Q V Broadcasting Station—Concerts Daily—See Program

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A reasonably priced headset that gives absolute satisfaction. Unequaled for extreme sensitiveness and distinct reproduction of long distance vocal and music sounds.

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Meets every Radio demand for a Storage Battery—Guaranteed.

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Southern Branch - Washington, D. C. Broadcasting Station - WMU

Mention Radio Broadcasting News when writing to Advertisers

# RADIO BROADCASTING NEWS

Published Weekly to increase interest and enjoyment in Radio Broadcasting.

Address all communications to the

EDITOR, RADIO BROADCASTING NEWS, 1205 Keenan Building, Pittsburgh, Pa.

Subscription One Dollar per Year.

Five Cents per Copy.

Vol. 2

June 3, 1922

No. 1

## Radio Broadcasting Making Place in History

From earliest times history has been divided into periods by epoch-making events which have exerted particular influence on civilization.

In future years the advent of radio broadcasting will be prominent among these great events. In the short time of a year and a half its influence has already been shown in many ways.

When radio broadcasting was first established as a regular service one and a half years ago there were approximately 25,000 receiving sets in this country. Today there are more than a million. Every live newspaper and progressive magazine contains something about radio broadcasting. It is the main topic of conversation on the street, in the drawing room, or wherever two or more persons come together. Sermons have been preached about it and every Sunday it carries church services into the lives of thousands who have never connected themselves with any religious organization.

A year and a half ago one station began to broadcast regular programs and information daily. Today there more than two hundred stations vying with each other in the endeavor to give the greatest service to the great public which listens in daily.

With such a record in so short a time, radio broadcasting seems destined to be numbered with the great events of history.

It is awe-inspiring to think of this modern marvel

and its accomplishments with a comparatively simple equipment which can be and is being made every day by school boys. One can join a vast audience which no man can number and listen to an address by a prominent statesman, or to the song of a great musician; and do it with greater comfort and ease than is possible in any of our great auditoriums or concert halls. In fact radio broadcasting is an individual service, despite the fact that thousands, perhaps millions are enjoying it at the same time.

Herein lies the great service of radio broadcasting—that it has power to reach at the same instant multitudes of persons who could never be gathered together at one time or in one place.

Up to the present radio broadcasting has been heard almost 5,000 miles, and no one dares venture a prediction of its possible limits.

Already it is exerting a powerful influence in breaking down the barriers of sect prejudice in the great religious organizations by placing the most uplifting aspirations of all these organizations before the public through Radio Chapel.

Its effect upon the political and the educational life of our nation becomes more evident each day.

As a great institution with enormous possibilities for good, radio broadcasting is at this moment making history which will stand out as we look back upon it in the years to come.

**"Pittsburgh's Radio Shop"**

offers a complete line of

**Radio Outfits and Supplies**

PITTSBURGH RADIO & APPLIANCE CO. Inc.

112 Diamond St., Pittsburgh, Pa.

WHOLESALE AND RETAIL

**ATTENTION!**

Our Line of

**Radio Supplies and Equipment**

*Is Complete*

We Carry A Good Stock Of

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**Commercial Electric  
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Detroit, Mich.

Distributors For

**Radio Corporation of America**

A Complete Line of Radio Parts and  
Apparatus Carried in Stock

**Programs for the Week**

These programs are prepared some time in advance of the dates and are subject to change. Programs in detail are published daily in your favorite newspaper.

**Pittsburgh District**

WESTINGHOUSE RADIO STATION KDKA  
360 Meters East Pittsburgh, Pa.

Eastern Standard Time

Sunday, June 4, 1922

10:45 A. M. Services of the Point Breeze Presbyterian Church, Fifth and Penn Avenues, Pittsburgh, Pa. Dr. P. H. Barker, Minister.

1:45 P. M. Children's Bible Story—"The Story the Angel Told."

2:00 P. M. Radio Chapel at Westinghouse Station KDKA, conducted by Lieut.-Col. Thomas Stanyon of the Salvation Army, Pittsburgh, Pa.

6:30 P. M. Services of the Calvary Episcopal Church, Shady Avenue, Pittsburgh, Pa. Rev. E. J. Van Etten, Rector.

Monday, June 5, 1922

6:00 P. M. Weekly Survey of Business Conditions. National Industrial Conference Board. From Pittsburgh Post Studio.

7:00 P. M. "Interior Decoration." Joseph Horne Company, Pittsburgh, Pa. From Pittsburgh Post Studio.

8:00 P. M. Piano Selections by Churchill Van de Vetter.

Tuesday, June 6, 1922

6:00 P. M. Weekly Dress Talk. From Pittsburgh Post Studio.

7:00 P. M. Speeches from the 17th Annual Commencement Exercises of the Westinghouse Tech Night School, East Pittsburgh, Pa. From Westinghouse Station KDKA.

"Hints to Children Leaving School to Enter Vocations." Dr. C. H. Garwood, Associate Superintendent Pittsburgh Public Schools. From Pittsburgh Post Studio.

8:00 P. M. Concert by Berg's String Entertainers. Baritone selections by Edward Tite.

Wednesday, June 7, 1922

6:00 P. M. Weekly Summary of "The Iron Age."

7:00 P. M. "Trees." M. L. Davey, General Manager, The Davey Tree Expert Co. Inc., Kent, Ind. From Pittsburgh Post Studio.

8:00 P. M. Miss Gertrude Paine, "The Musical Humorist," will entertain with readings and piano selections. Hazel Falsom Allison, coloratura soprano, will render several classical selections.

Thursday, June 8, 1922

7:00 P. M. Talk on "Swimming." Gordon M. Mullen, Swimming Instructor, Pittsburgh Athletic Association, Pittsburgh, Pa.

"Lawlessness and Crime—Suggested Remedies". Robert L. Wickline, Business Councillor, Pittsburgh, Pa. From Pittsburgh Post Studio.

8:00 P. M. Pittsburgh Ladies' Quartet in a number of pleasing vocal selections.

(Program continued on page 6.)

## Entertainers at Station KDKA Recently



Top Row:—Warren Murrie, baritone and teacher of voice; Ruth MacGowan, pianist and accompanist; Quintette Concertanti of Pittsburgh Flute Club; Ebba Lindberg, pianist and accompanist with artists from Carnegie Steel Co., Clairton, Pa.; James Phillip Johnston, pianist.  
Bottom Row:—J. Malcolm Thompson, tenor; Marilla Kohary, pianist; Charles K. Ray, harmonica artist; Paul Yeakel, boy alto soloist, Church of the Ascension, Pittsburgh, Pa.; Regina Bliel, violinist; Austin J. Curry, with Mason's Orchestra.

## Our Entire Attention

is devoted to Radio and the needs of radio enthusiasts. We are equipped to give service on all matters pertaining to wireless equipment, our newly remodelled building being planned with that aim in view. Plenty of space for stock, sales, and demonstration rooms.

We carry complete sets in great variety, Westinghouse and other makes, loud speakers, batteries, phones, tubes, battery chargers and all other accessories as well as a complete stock of parts, insulators and wire.

## Radio Sales and Service Co.

539 Wood St., PITTSBURGH, PA.  
(Opposite McCreery's Store)

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MADE BY THE MICHAEL WALKER PROCESS

**THE IDEAL RADIO ANTENNA**

Fig. 14 Experimental Antenna Wire

**COPPERWELD IS 50% STRONGER**  
than Copper, can be strung taut, stays up when other wires stretch and break, and gives 100% electrical efficiency.

**COPPER CLAD STEEL COMPANY**  
BRADDOCK P. O., RANKIN, PA.

Directions for Antenna construction  
on reverse side of carton

100 - 150 - 200 Ft. Per Carton

**DUBILIER CONDENSERS**

35 cts. to \$1.00

Reduce tube noises and improve reception. Made like famous Dubilier Transmitting Condenser, now standard equipment throughout the world.

These new receiving condensers are of permanent capacity and will not burn out in service.

See that your receiving set is equipped with Dubilier Condensers.

Price: Type 601, 35 to 40 cents each, according to capacity.

Price: Type 600, with grid-leak mounting, 75 cents each for capacities from .0001 to .002 mfd; for capacities from .002 to .005 mfd, \$1.00 each.

Order from your dealer or jobber.

The Dubilier Condenser and Radio Corp.  
217-219 Center Street, New York.

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**Brach Vacuum Lightning Arresters**

Dissipate Static, Arrest Lightning

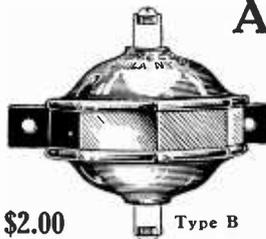
This is the Arrester that is listed by the Underwriters' Laboratories, Electrical No. 3962

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\$2.00

Type B

For sale by Radio dealers everywhere, or sent post paid on receipt of \$2.00.

APPROVED BY UNDERWRITERS

To protect your radio apparatus and your property against lightning and to take off static accumulations. Can be installed outdoors, where a lightning arrester belongs. Highly efficient, no vacuum to lose, no fuse to blow. Offers permanent protection. Takes the place of a lightning switch.

Electric Service Supplies Co.

Mfg. of Lightning Arrester for 30 years.  
17th and Cambria Sts., Phila.

**KDKA ENTERTAINERS**



Top Row, left to right:—Irene Griffin Gros; Max Lambert, violinist, pupil of Emil O. Wolff; Julia Gibansky-Kasanoff, pianist; Fred Geier, pianist.

Middle Row, left to right:—C. L. Dumas, violinist; Mary Monroe Parker, author and playwright; Anna Lois Ellwell, reader.

Left Circle:—E. C. Melvin, violinist.

Right Circle:—Alice Smith, soprano.

Bottom Row, left to right:—F. Robert Coe, baritone; Elmer M. Stoltz, baritone; Lillian A. Wood, soprano.

(Program continued from page 4.)

**WESTINGHOUSE STATION KDKA—Continued**

Friday, June 9, 1922

- 7:00 P. M. "The Use of Paint and Varnish." L. C. Stuckrath, Secretary, Thompson Company, Pittsburgh, Pa. From Pittsburgh Post Studio.
- 8:00 P. M. Versatile entertainment by The Pittsburgh Metropolitan Musical Club.

Saturday, June 10, 1922

- 2:00 P. M. Popular Concert by Bongiovanni's Orchestra. From Pittsburgh Post Studio.
- 7:00 P. M. Talk on Public Health. Miss Nan L. Dorsey, Director, Public Health Nursing Association of Pittsburgh, Pittsburgh, Pa. From Pittsburgh Post Studio.
- 8:00 P. M. Pleasing program of violin selections by students from Margaret Horne Studio, Pittsburgh, Pa.

(Program continued from page 6.)

WESTINGHOUSE STATION KDKA—Continued

Sunday, June 11, 1922

- 10:00 A. M. Services of the Calvary Episcopal Church, Pittsburgh, Pa. Rev. E. J. Van Etten, Rector, Harvey B. Gaul, Organist and Musical Director.
- 1:45 P. M. Children's Bible Story—"The Giants in the Land of Promise."
- 2:00 P. M. Radio Chapel at Westinghouse Station KDKA, conducted by Rev. Carlton C. Bransby, Pastor, Homewood Avenue Methodist Episcopal Church, Homewood Avenue and Tioga Street, Pittsburgh, Pa.
- 7:00 P. M. Services of the Point Breeze Presbyterian Church, Fifth and Penn Avenues, Pittsburgh, Pa. Dr. P. H. Barker, Minister.

KDKA'S WEEK DAY SCHEDULE

- 9:00 to 9:15 A. M. Music.
- 11:30 to 12:00 M Music.
- 2:30 P. M. Results of all league baseball games by innings. On Saturday, those of the International and American Association will be included. Final scores each day will include all hits and errors. On Saturday, baseball scores and a special popular concert beginning at 2:00 o'clock.

- 6:00 P. M. Baseball scores. Theatrical features.
- 6:15 P. M. Special Addresses or Popular Concerts.
- 6:45 P. M. Special News, Government Market Reports, Summary of New York Stock Exchange, Weather Report.
- 7:00 P. M. Special Addresses by business men and women.  
Baseball Scores.
- 7:30 to 8:00 P. M. Bedtime and Uncle Wiggily Story for Kiddies.
- 8:00 to 9:00 P. M. Musical Program. Baseball Scores.
- 9:55 to 10:00 P. M. Arlington Time Signals.  
Time given is Eastern Standard Time.  
For Daylight Saving Time add one hour.  
All Baseball scores are transmitted from the Pittsburgh Post Studio of Westinghouse station KDKA.  
Steinway Duo-Art Reproducing Piano Used.

DOUBLEDAY-HILL ELECTRIC COMPANY—STATION  
KQV

360 Meters—Pittsburgh, Pa.

Broadcasting Every Afternoon and 9:00 to 10:00 P. M.  
Monday, Wednesday and Friday  
Eastern Standard Time

# Become a Radio-trician

Learn at home the greatest profession of today and the future. Become a master of radio installation, operation, maintenance, repair, mechanics, design, inspection, salesmanship and invention.

THE world is aflame with Radio. Never before in the history of the country has an industry leaped to the forefront as rapidly as this great, new science. Hundreds of thousands of radio receiving sets are in operation—tens of thousands of sending stations will be erected—and this enormous craze is permanent. Even today manufacturers are months behind their orders! Improvements are being made every day which must increase the demand for radio equipment to even greater proportions than now.

Men of foresight, men of vision know what this means. Never before has there been such an opportunity. Radio-tricians are needed today everywhere. More and more will be needed as the demand for radio installation, radio operation, radio maintenance, radio repair, radio salesmanship becomes greater and greater.

Wherever you go, there are hundreds of radio sets to be installed—wherever you go, thousands upon thousands of dollars worth of radio equipment is being sold—wherever you go, there are radio sets to repair; and if you seek adventure, there are radio sending stations calling to you from ships and land stations all over the world.

## The Pioneer School

The National Radio Institute has a record of over 8,000 students.

It is the pioneer school. It teaches every phase of radio from the ground up. It teaches by means of actual practice, actual assembling of a radio outfit, actual operation of radio equipment. It teaches by problem and principle so that National Radio-tricians are in demand everywhere.

Here is a profession which is paying enormous earnings to men all over the country today—a profession that will make hundreds of men wealthy—a profession far more lucrative than that of any other technical or mechanical employment you can secure.

## What will you do?

The world is aflame with radio. What are you going to do to "cash in" on the demand for men, for equipment, for experience? Are you going to sit idly by wondering what it is all about, or are you going to make the most of this, the greatest opportunity presented to men of ambition in 50 years.

Write at once for the complete catalog to the National Radio Institute. This is the turning point in your life. Upon your decision *this instant* may depend your entire future. Write a letter NOW—*for your own sake!*

## NATIONAL RADIO INSTITUTE

Radio Headquarters

Dept. 1092

N. W., Washington, D. C.

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## Radio Equipment Service for the Dealer

How much of an investment must I be prepared to make?  
How much of this, that, and other things should I carry?

These are the most vital of the many questions which the prospective dealer must answer—

We can help you answer them, because we have a Dealer Service Department which is devoted to the study of markets, turn-over, the proper selection of radio equipment and other subjects that concern the dealer.

Furthermore, we are distributors for more than 40 of the most prominent manufacturers, and are usually in position to supply most of the dealer's needs from our large stocks.

Write us about your problems—our service will not obligate you in any way.

Catalog No. 100G Sent upon request. Wholesale Only



Brach, Chelsea, Arkay, Clapp-Eastham and other leading manufacturers.

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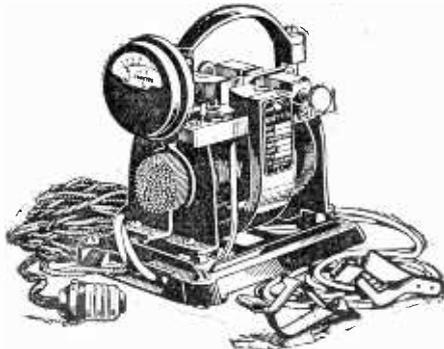
Radio Corporation of America (Westinghouse and General Electric), Murdock, Fada, Remler, Frost, Brandes, Pacent, General Radio, Radio Service, De Forest, Baldwin, Signal, Acme, Rhamstine, Kellogg, Holtzer-Cabot, Connecticut, Burgess, Hipco, Homcharger,

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## Radio Storage Batteries.

# F-F RADIO RECTIFIER

Charges both Storage "A" & "B" Batteries for a few cents at HOME, under a Lamp Socket, over night.



It has unlimited life at constant efficiency, with nothing to boil over, burn out, or cause trouble and will charge a dead battery.

- Type "AB" Combination Radio Rectifier for charging a 6 volt "A" battery and up to 100 volts of "B" Storage Battery - \$20
- Type 6 for 6 Volt Battery Charging, at 6 Amperes - \$15
- Type B Charges 2 to 100 Volt "B" Storage Batteries only \$15
- Type 12 for 12 Volt Battery, Charging at 5 Amperes - \$15
- Type 166 for 6 Volt Battery, Charging at 12 Amperes - \$24

Prices F.O.B. Cleveland

Your dealer will supply you or order direct for immediate shipment, giving us dealers name.

Write for FREE Descriptive Bulletin No. 28

**THE FRANCE MFG. CO. CLEVELAND, OHIO**

## New York and Eastern District

WESTINGHOUSE-RADIO CORPORATION STATION  
WJZ

360 Meters—Newark, New Jersey

Eastern Standard Time

Sunday, June 4, 1922

- 2:00 P. M. Salvation Army services conducted by Capt. J. Allan, former senior chaplain of the 77th Division, A. E. F. Sacred music by the National Staff Band, and a quartet of vocalists and instrumentalists.
- 3:00 P. M. Recital by Wm. Versteeg, violist cello.
- 4:00 P. M. Literary Vespers, "The Need for Tolerance" by Edgar White Burrill. The message is woven around the following poems, prose and plays: "The Curse of Race Prejudice," The Brotherhood Spirit of Lincoln" by Walt Whitman and John Boyle O'Reilly; "Ellis Island and New York from a Skyscraper," by James Oppenheim; "The Pigeon" by John Galsworthy; "Each for All" by Edmund Vance Cook; "Praised be Allah for the Diversity of His Creatures," by Rudyard Kipling.
- 5:30 P. M. Readings and records from the "Bubble Books that Sing," by Ralph Mayhew, courtesy of Harper & Brothers.
- 5:45 P. M. "Sandman Stories" told by Kasper Seidel, courtesy Harper & Brothers.
- 6:00 P. M. Children stories by a McMillan author.
- 6:30 P. M. "Some Facts that Everybody should know about Tea," by C. F. Hutchinson, U. S. Department of Agriculture.
- 7:00 P. M. Recital by Alice Mengel, Russian pianist.
- 8:00 P. M. Concert by the Princeton Alumni Association of the Oranges.

Monday, June 5, 1922

- 5:00 P. M. "Business and Industrial Conditions in the United States," by the National Industrial Conference Board.
- 6:00 P. M. Stories from the St. Nicholas Magazine.
- 6:30 P. M. "Tennis" by Paul B. Williams, Secretary of the National Tennis Association.
- 7:00 P. M. Concert under the direction of Charles D. Isaacson of the New York Evening Mail.
- 8:30 P. M. Recital by Florence S. Briggs, cellist.

Tuesday, June 6, 1922

- 6:00 P. M. "Man in the Moon Stories" (c) Newark Sunday Call.
- 6:25 P. M. "Quaker Relief in War-torn Europe," by Wm. B. Harvey.
- 6:35 P. M. "Most Home for Least Money," by M. Woods, Pictorial Review.
- 6:45 P. M. Health Talk by the National Tuberculosis Society.
- 7:00 P. M. "The Messiah" by the Oratorio Society of Newark.

(Program continued on page 10.)

## Filipino Orchestra from S. S. Lone Star State Recently at Station WJZ



This orchestra is composed of twenty-two Filipino youths, all of them veterans of the U. S. Navy during the world war. The instruments used are entirely of the string variety, and the effects they produce in playing Hawaiian music are strangely appealing. The Filipino orchestra was brought into being through the efforts of Capt. Frank T. Burkhart, Commander of the Lone Star State, under whom several had served during the war.

The boys are all fitted out in white uniforms and red sashes and have become known as "Burkhart's Troubadours." Many of the selections which they play were learned by listening to phonograph records.

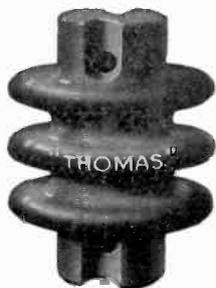
## Getting the Effect



From An Advertising Standpoint, there must be two kinds of Effect in Printing in order to make it good. First it must have the proper effect in appearance so that it will be read; next, it must have the proper effect in sequence and reason so that it will be believed and produce action. Part of the effect comes from the Copywriter and part from the Printer. When both work together intelligently, there's nothing to worry about.

When you give your order to The Warde Press you get judgment that is dependable and that covers all the points that might otherwise be made.

**DAVIS & WARDE PRINTERS**  
FIRST AT ROSS PITTSBURGH



*"Thomas Quality Porcelain"*  
IS STILL THE BEST FOR  
INSULATORS

Ask your Dealer for the new  
THOMAS RADIO ANTENNA UNIT  
NO. 7012.

It is the best all round Antenna Insulator on  
the market and it's inexpensive.

Ask your Dealer for Thomas-712

THE R. THOMAS & SONS CO.  
EAST LIVERPOOL, O.  
New York Boston Chicago

We Specialize in

**Brass Rod and Tubing  
Sheet Copper, Aerial Wire  
and Binding Posts**

For Radio—Retail and Wholesale

**McKenna Brass and Mfg. Co.**

First Ave. & Ross St.

Pittsburgh, Pa.

Phone, Court 637

For Wireless—

**ROME MAGNET WIRE**

Plain Enamel

Single Cotton Covered

Double Cotton Covered

**ROME ANTENNA WIRE**

Stranded or Solid

Ask Your Dealer

**ROME WIRE COMPANY**

ROME, N. Y.

BUFFALO, N. Y.

(Programs continued from page 8.)

**WESTINGHOUSE-RADIO CORPORATION STATION  
WJZ—Continued**

Wednesday, June 7, 1922

- 5:00 P. M. "Review of the Iron and Steel Industry and Their Relation to General Business Conditions," Iron Age.
- 6:00 P. M. "Animal Stories," by Florence Smith Vincent, New York Evening Telegram.
- 6:30 P. M. "Harmonious Town Planning," by Chas. W. Hoadley.
- 6:45 P. M. "Excavating the Fossil" by Edgar H. Cahill of the Newark Museum.
- 7:00 P. M. Literary Evening Conducted by the Scientific American, Outlook and Harper & Brothers.

Thursday, June 8, 1922

- 6:00 P. M. "Jack Rabbit Stories" by David Cory of the New York Evening Mail.
- 6:30 P. M. "Work Among the Blind Children," by Mary D. Beatty, International Sunshine Society.
- 6:45 P. M. "How to Select a Motor Car," by Alex. F. Johnson.
- 7:00 P. M. Recital by Anita Henriquez.
- 8:00 P. M. "The Experience of a Cartoonist" by Claire Briggs, courtesy Popular Radio.
- 8:15 P. M. "Power Problems" by W. S. Murray.
- 8:30 P. M. Concert by T. Reynolds Orchestra.

Friday, June 9, 1922

- 6:00 P. M. "Man in the Moon" (c) Newark Sunday Call.
- 6:30 P. M. Health Talk by M. J. Five, M. D. Department of Health, City of Newark.
- 6:45 P. M. "Electrical Inspection" by Mr. Ward, Chief of the Electrical Bureau, City of Newark.
- 6:55 P. M. "Broadcasting Broadway" by Bertha Brainard.
- 7:00 P. M. Recital by Helen Osmundsen.
- 8:00 P. M. Concert by the Jean Ingraham Orchestra of Newark.

Saturday, June 10, 1922

- 6:00 P. M. "Uncle Wiggly's Bedtime 'Stories,'" by Howard R. Garis, the author of the "Uncle Wiggly's" stories printed in many newspaper and frequently appearing on WJZ's and KDKA's programs.
- 6:30 P. M. "The Auto and Radio as Future Allies" by Geo. F. Bauer.
- 7:00 P. M. Concert by the Majestic Quintette, Geo. Nearman, Director.
- 8:00 P. M. Concert by the Knickerbocker Quartette, T. Witman, Director.

Sunday, June 11, 1922

- 2:00 P. M. Radio Chapel Services. Sermon by Rev. Christian Rusner, D. D. of New York (Methodist).
- 3:00 P. M. Recital by Harold Land, baritone.
- 4:00 P. M. Vesper Services by Edgar White Burrill.
- 6:00 P. M. Childrens' Stories by a McMillan author.
- 6:45 P. M. "Your Daily Bottle of Milk" by Mary S. Rose, Associate Professor, Department of Nutrition, Teacher's College, Columbia University.
- 7:00 P. M. "Victualing a Big Ship" by the Cunard S. S. Co.
- 7:30 P. M. Joint Recital by Eleanor Lee, contralto and Eleanor Warren, pianiste.
- 8:30 P. M. Recital by Mrs. Berylson.

**WJZ'S WEEKDAY SCHEDULE**

- 8:00 A. M. Agricultural reports and prices as released by the New York, New Jersey and Federal Agricultural Bureaus; music.
- 9:00 A. M. Musical Program.
- 10:00 A. M. Musical Program.
- 11:00 A. M. Agricultural reports and prices as released by the New York, New Jersey and Federal Agricultural Bureaus; weather forecast.
- 11:55 A. M. Arlington Time Signals; Music.
- 3:00 P. M. Women's Fashions, by the Women's Wear Daily Newspaper.
- 5:00 P. M. Official weather forecast; agricultural reports and prices as released by the New York, New Jersey and Federal Agricultural Bureaus; Shipping News (excepting Saturday) by the Marine Engineering and Shipping Age; Musical Program.
- 6:00 P. M. Final Baseball scores; Children's stories and music.
- 7:00 P. M. Final Baseball scores.
- 8:30 P. M. (See detailed program.)
- 9:52 P. M. Official Arlington time signals.
- 10:01 P. M. Weather forecast, official.  
The time given is Eastern Standard Time.  
For Daylight Saving add one hour.

(New York and Eastern District Schedule continued on page 14)

**Chicago and Mid-West District  
WESTINGHOUSE RADIO PROGRAM—STATION KYW**

**360 Meters—Chicago, Ill.**

**Central Standard Time**

**Sunday, June 4, 1922**

2:30 P. M. Radio Chapel services conducted by Rev. Gardener A. MacWhorter, of the Saint Edmund's Episcopal Church, on "The Voice of God." The music will be rendered by the quartet of the Saint Edmund's Episcopal Church.

**Monday, June 5, 1922**

7:00 P. M. Musical concert, courtesy of the Lyon & Healy Concert and Artists Department; The Corydon Trio, consisting of Mrs. Corydon Smith, Anna McCollum and Wahnetta Swain; Emily Gernand, soprano; Florence Henline, pianiste; Ebba Frederickson, violinist; Signor Alessandro Liberati, cornetist; and The Temple Chorus of Englewood.

**Tuesday, June 6, 1922**

7:00 P. M. Hotel LaSalle Roof Garden Night, courtesy of Mr. E. J. Stevens. Carl Rupp and his LaSalle Roof Orchestra; Lillian Moyer, soprano; R. H. Rehl, saxophone; Virginia Fissinger; Jane Johnson Rupp, soprano; Carl Rupp String Trio; and duets by Virginia and Elma Fissinger.

**Wednesday, June 7, 1922**

7:00 P. M. Musical program by the North Shore Quartet, Evelyn Winke, soprano; Mrs. R. B. Smith, contralto; Orpha Kendall Holstman, soprano, with Mary Marshall, and Robert McDonald accompanists; Carl Mathieu, tenor, and Orville Borchers, bass; readings by Gertrude Payette Koropp.

**Thursday, June 8, 1922**

7:00 P. M. Program by the Bush Conservatory Students.

**Friday, June 9, 1922**

7:00 P. M. Musical program, courtesy Lyon & Healy Concert and Artists Department. Chicago Women's Chorus, Oxford Quartet; Dave O'Malley and Harry Maxfield, character singing comedians; Bush Conservatory Quintet, courtesy of Bush Conservatory; Ebba Sundstrom, violinist; Paul Stoes, viola; Marian Lychenheim, pianiste; Marion Levin, violinist; and Efram Garcia, cellist.

**Saturday, June 10, 1922**

7:00 P. M. Musical program by Irma Burns, soprano; Mary Tris, pianiste; Angie Montgomery, contralto; Rhea Shelters, accompanist; J. Henry Welton tenor; Antoinette A. Bonnot, accompaniste; the Drake Orchestra, (Management of Benson) Henry Selinger, violin; Leon Benditzky, pianist; Otto Wimmeler, bass; Armand Buisseret, violin; Leon Lichtenfeld, cello; Frederick Meinken, organ.

**KYW'S WEEK-DAY SCHEDULE**

- 8:25 A. M. Opening Market Quotations, Chicago Board of Trade.
- 9:00 A. M. Market Quotations, Chicago Board of Trade. Quotations every half hour thereafter until 12 M.
- 12:20 P. M. Closing market quotations, Chicago Board of Trade.
- 1:15 P. M. News and market reports.

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*Baker Platinum Works, Newark, N. J., U.S.A.*

- 2:00 P. M. Baseball scores every half hour until end of games.
  - 3:15 P. M. News; market and stock reports.
  - 5:30 P. M. News; final market and financial reports; baseball scores.
  - 6:15 P. M. Children's Bedtime Story; baseball reports.
  - 7:00 P. M. Musical Program. (See Daily Program).
  - 8:00 P. M. News and Sports.
  - 8:05 P. M. Special Features (as announced by radiophone). News and baseball returns furnished by Chicago Evening American.
- The time mentioned in KYW program is Standard Central Time.  
For Daylight Saving Time add one hour to the schedule.

**DETROIT NEWS STATION WWJ**

**360 Meters—Detroit, Michigan**

**Eastern Standard Time**

**Daily except Sunday**

- 10:15 A. M. Weather report on 485 Meter wave length.
- 11:55 A. M. U. S. Naval Observatory time signals relayed by telegraph.
- 3:30 P. M. Market quotations on 485 Meter wave lengths.
- 4:05 P. M. Weather reports on 485 Meter wave length.
- 5:00 P. M. News Bulletin on sports and other events.
- 7:00 P. M. Bedtime Story; Latest news, bulletins, stock reports.
- 8:30 P. M. Program by selected artists.

## Broadcasting Stations

The following stations are broadcasting on 360 meter wave length. Perhaps you have heard some of them.

WOR—Bamberger, L. & Co., Newark N. J.  
 WBU—City of Chicago, Ill.  
 WRR—City of Dallas, Dallas, Texas.  
 WCN—Clark University, Worcester, Mass.\*\*\*  
 WIL—Continental Electric Sup. Co., Washington, D. C.  
 WHK—Cox, Warren R., Cleveland, Ohio.  
 WLW—Crosley Mfg. Co., Cincinnati, Ohio  
 WRK—Doron Bros., Electric Co., Hamilton, Ohio  
 WHU—Duck Co., Wm. B., Toledo, Ohio.  
 WJT—Electric Equipment Co., Erie, Pa.  
 WPR—Federal Institute of Radio Teleg., Camden, N. J.  
 WGR—Federal Tel. & Tel. Co., Buffalo, N. Y.\*\*\*\*  
 WCJ—Gilbert Co., A. C. New Haven, Conn.  
 WIP—Gimbel Bros., Philadelphia, Pa.  
 WOH—Hatfield Electric Co., Indianapolis, Ind.  
 WGL—Howlett, Thos., F. J., Philadelphia, Pa.  
 WGV—Interstate Electric Co., New Orleans, La.  
 WSL—J. & M. Electric Co., Utica, N. Y.  
 WOC—Karlowa Radio Co., Rock Island, Ill.\*  
 WIK—K. & L. Electric Co., McKeesport, Pa.  
 WSZ—Marshall-Gerken Co., Toledo, Ohio\*  
 WBS—D. W. May, Inc., Newark, N. J.  
 WOU—Metropolitan Utilities District, Omaha, Nebraska.\*  
 WOS—Missouri State Marketing Bureau, Jefferson City, Mo. (Markets)  
 WGH—Montgomery Light & Water Power Co., Montgomery, Ala.\*  
 WKY—Oklahoma Radio Shop, Oklahoma City, Okla.\*\*\*  
 WOZ—Palladium Printing Co., Richmond, Ind.\*  
 WOK—Pine Bluff Co., The, Pine Bluff, Ark.

WMH—Precision Equipment Co., Cincinnati, Ohio.\*  
 KSD—Pulitzer Print. Co., St. Louis, Mo. (St. Louis Post Dispatch).  
 WDW—Radio Const. & Electric Co., Washington D. C.  
 KIZ—Reynolds Radio Co., Denver, Colo.\*  
 WHN—Ridgewood Times Print. and Publ. Co., Ridgewood, N. Y.  
 WFO—Rike-Kimler Co., Dayton, Ohio.\*  
 WHQ—Rochester Times-Union, Rochester, N. Y.\*  
 WJK—Service Radio Equipment Co., Toledo, Ohio.  
 WDT—Ship Owners Radio Service, New York, N. Y.  
 WBT—Southern Radio Co., Charlotte, N. C.  
 WFI—Strawbridge & Clothier, Philadelphia, Pa.  
 WRE—Tarrytown Radio Research Lab., Tarrytown, N. Y.  
 WRL—Union College, Schenectady, N. Y.  
 WLB—University of Minnesota, Minneapolis, Minn.\*  
 WHA—University of Wisconsin, Madison, Wis.\*  
 WOO—Wanamaker, John, Philadelphia, Pa.  
 WOQ—Western Radio Co., Kansas City, Mo.\*  
 WHD—West Va. Univ., Morgantown, W. Va.  
 WJH—White & Boyer, Washington, D. C.  
 WPM—Thos. J. Williams, Inc., Washington, D. C.  
 WNO—Wireless Telephone Co., Hudson County, Jersey City, N. J.  
 KOA—Y. M. C. A., Denver, Colo.\*\*  
 \*Designates also sending markets and weather on 485 wave lengths.  
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 \*\*\*\*Also Market and Weather.

# Charge Your Battery at Home

**K**EEP pep in the battery for your vacuum tube receiving set by using the Rectigon Battery Charger.

The Rectigon is a small, inexpensive device that will charge your radio battery over night. It is entirely automatic in operation and needs no attention after it is started.

The Rectigon is portable—it can be placed wherever desired. The absence of oil or grease assures against damage to your floor or rugs.

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For details regarding the various sizes of this type of battery charger, write for our Folder F-4491, "Charging the Radio Battery at Home."



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Westinghouse Electric & Manufacturing Co.  
 East Pittsburgh, Pa.  
 Sales Offices in All Principal American Cities

RADIO CHAPEL



Lieut.-Col. Thomas Stanyon, Salvation Army

RADIO CHURCH COLLECTIONS

At a recent radio church service, the host passed the contribution plate, telling his guests that they must not omit one of the important parts of the service, and that the money collected would be given either to the minister and church conducting the service or to some deserving charity.

This man's example might well be emulated by others who invite persons to their homes to listen to the radio services. We would also suggest that any one who relies on the radio services alone for inspiration in his spiritual life is missing much. For invalids and those who cannot get to church, radio services are the finest thing in the world, but for good ablebodied men and women it does not make a good substitute for the worship in person.

BROADCASTING SCHEDULES WANTED

We wish to make the Radio Broadcasting News as complete in its service to readers as it can be made. While we realize that a great number of radio fans live within range of one of the Stations, whose programs are listed, we also know that one of the sources of joy to the owner of a receiving set is to see how many stations he can hear.

We shall be glad to have broadcasting stations send us a schedule of their operations in as great detail as possible, in order that we may give to our readers correct, up-to-date information that can be relied upon.

Westinghouse Radio Batteries

Rechargeable A and B Batteries for Filament  
Lighting and for Supplying Plate Potential

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Broadcasting Musical Programs  
Tuesday, Thursday and Saturday Evenings  
at 8:00 P. M.

and

Chapel Services  
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WAVE LENGTH 360 METERS



WATCH FOR  
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NEW LINE OF  
RADIO PARTS

"Between Acts"

Enjoy yourself and entertain friends with

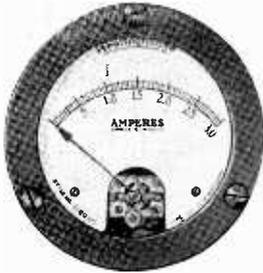
Baby Jeannette Phonograph

Plays Standard 10" Records  
Guaranteed Fully

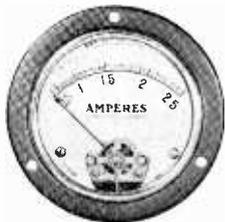
Send \$3.00 for Prepaid Sample

Manufactured by  
Jeannette Toy & Novelty Co.

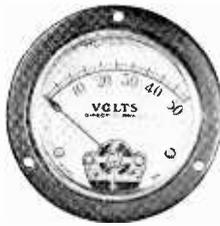
Jeannette, Pa.



Type CX



Type BX



Type BX

## Every Radio Set

Should have its proper equipment of—

## Westinghouse Measuring Instruments

These instruments possess, to an unusual degree, the qualities essential to satisfactory performance. The line is distinctive and harmonious. The important characteristics of readability, ruggedness, ease of maintenance and repair have been given careful consideration. These features are obtained by a refined design and precise construction resulting in exceptional accuracy over long periods of service.



Westinghouse Electric & Manufacturing Company  
Newark Works, Newark, New Jersey

## New York and Eastern District Schedules

(Continued from page 10)

### WESTINGHOUSE STATION WBZ

360 Meters—Springfield, Mass.

Eastern Standard Time

- 7:30 P. M. Uncle Wiggily Bedtime Story from the Springfield Union.
- 7:45 P. M. Prominent speaker, market and weather reports.
- 8:00 to
- 9:00 P. M. Program of music.
- 3:00 P. M. Sunday—Radio Chapel.
- 8:00 P. M. Sunday—Church Services.

### GENERAL ELECTRIC COMPANY STATION WGY

360 Meters—Schenectady, N. Y.

Daily Schedule

- 10:30 P. M. Early stock market quotations.
- 7:00 P. M. Produce and Stock Market quotations; Baseball results in National, American and International leagues; News Bulletins.

Tuesday, Thursday and Friday

- 7:45 P. M. Musical program by selected artists.

### AMERICAN RADIO AND RESEARCH CORPORATION STATION WGI

360 Meters—Medford Hillside, Mass.

- 2:55 P. M. Music.
- 3:00 P. M. Current Events.
- 7:30 P. M. Baseball scores; late news.
- 7:45 P. M. Boston Police Reports.
- 8:00 P. M. Special Talks.
- 8:30 P. M. Program of Music.

### ATLANTA JOURNAL STATION WSB

360 Meters—Atlanta, Georgia

- 6:30 P. M. Sport News and Bedtime Story.
- 8:00 P. M. Program of Music.

### RADIOPHONE FOR BANK

A wireless telephone receiving station has been installed on the roof of the Hammond Trust & Savings Bank of Hammond, Indiana, at the instance and expense of Mr. W. G. Paxton, the president. The public is invited to come to the bank every Tuesday and Friday at 8 p. m. to hear the concerts, lectures and other messages that are being given in far-away cities.

Radiophone equipment has been simplified and popularized to such an extent that the installation is in no way experimental although for a bank it is an attractive innovation. To receive messages you need only close a switch and adjust the tuning apparatus.

At present from the bank's standpoint the advertising potentiality of the radiophone seems uppermost, but in the not far distant future the device may be put to practical use for the transmission of business reports, including stock and bond quotations.—Bank Notes.



## Your Radio Can Look Like This!

Why not give your Westinghouse 2-stage R C set the housing it deserves? Place your set in a Lyradion Cabinet fitted for it—a beautiful finished cabinet which is a self contained unit—where all batteries are conveniently located and quickly accessible. These cabinets are fitted with the wonderful Seabrook-Lyradion loud speaker horn of special design, construction and fully covered by basic patents—the only horn made which eliminates the metallic twang common to other loud speakers. Completely wired and furnished in mahogany, walnut and antique oak from \$100.00 up.

KEEP YOUR RADIO BUT HAVE IT IN ONE SELF CONTAINED UNIT WHICH CAN BE PLACED IN ANY ROOM. OFFERED ON AN IMMEDIATE DELIVERY BASIS

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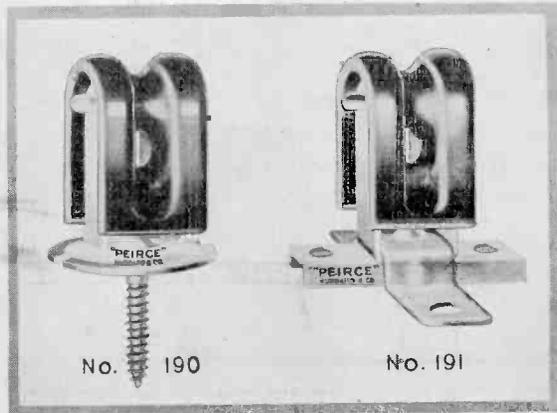
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in this part of the country

Ready to make immediate delivery to the retail trade  
until Dealers are established

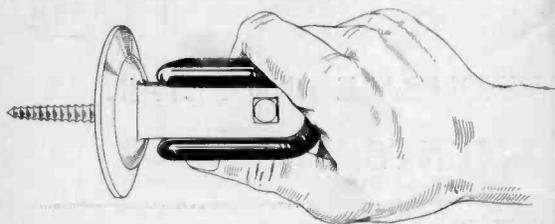
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# The Peirce Wireholder for Radio Use



The popularity of Peirce Wireholders for supporting the Aerial Wire and running the lead to the instrument and to ground, is due entirely to the fact that they give the Radio Fan a fixture—easy to install—electrically and mechanically correct—at about one-half the cost of other insulators now on the market for this use.

The Wireholder Insulator is made of vitrified brown glazed porcelain, designed to drain readily in all positions. The steel base is hot dip galvanized, entirely eliminating the unsightly rust stains so often seen, due to ungalvanized brackets.



The No. 190 fits the hand like a screw driver—a jab—a few turns—and it's in—ready for use.

*Carried in stock by leading Radio Dealers*

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*June 3, 1922*

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