

221.37305  
RA

UNIVERSITY OF ILLINOIS LIBRARY

JUL 29 1922

# RADIO BROADCASTING NEWS

Vol. 2

JUNE 17, 1922

No. 3

One of the Popular Broadcasting Stations



Studio of Westinghouse Station KYW, the First to Broadcast Grand Opera

# Built for Radio



The Willard Radio "A" Battery has the same high quality as the Willard Threaded Rubber Automobile Battery.

The only way to get satisfactory radio results is to stick to standard, reliable apparatus that's *built for radio*. And that applies *particularly* to batteries. The Willard Radio "A" Battery has a one-piece Rubber Radio Case—Threaded Rubber Insulation—special Radio plates.

The Willard 24-Volt Rechargeable Radio "B" Battery is leak-proof quiet. Glass jars—Threaded Rubber Insulation.

Ask your Radio Dealer or the Willard Service Station to show you these batteries.

WILLARD STORAGE BATTERY COMPANY, CLEVELAND, OHIO

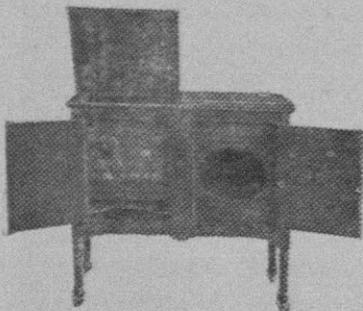
# Willard

THREADED RUBBER BATTERY.

## Enjoy the Real Charm of Radio

### It Is Possible In Every Lyradion

**P**ECULIARITIES in design and construction which embody the use of the patented Seabrook horn, which eliminates faults common to other "loud speakers" gives Lyradion owners the assurance that they will enjoy the real charm of radio which is only possible when tone is pure, sweet and clear.



Lyradions in uprights, period designs and consoles are offered wired for Westinghouse 2 stage set; or equipped with Lyradion non-regenerative receiving set.

Every Lyradion, with one exception, offered in combination radio-phonograph, equipped with patented Seabrook horn, tone-arm and reproducer. This permits owner to perpetuate every likable radio selection. The change from radio to phonograph is the work of a second.

The Lyradion Console is shown—other attractive models where all radio apparatus is in one self-contained unit, is conveniently located, are shown in our catalogue.

SOME CHOICE TERRITORY AVAILABLE FOR RESPONSIBLE DEALERS AND JOBBERS

## LYRADION SALES & ENGINEERING COMPANY

MISHAWAKA, INDIANA

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 17, 1922

No. 3

## Station KYW Extending and Improving Service

**R**ADIO broadcasting is now recognized as a useful public service, and though it is yet in its infancy, efforts are continually being made to increase its value to the great general public.

Not only are new broadcasting stations being licensed almost daily, but the service from existing ones is constantly being improved. One of the large broadcasting stations which is undergoing decided change is the Westinghouse Station KYW on the Commonwealth Edison Building in Chicago. This station enjoys the distinction of being the first to broadcast complete operas, the entire 1921-22 season of the Chicago Grand Opera Company having been transmitted. Since the close of the opera season, selected programs by Chicago artists are being broadcasted nightly.

The improvements which are being made at this station include the erection of two new towers by the Commonwealth Edison Company, which will extend the range of this service many miles. The Commonwealth Edison Building is about 260 feet high and the new towers will be 125 feet higher, so that when completed the antenna will be almost four hundred feet above the level of Chicago streets.

Improvements are also being made in the studio from which the concerts are given, and the power of the station is being doubled.

The result of all these changes will be thousands of persons added to the invisible audience throughout the middle West, who are depending more and more on Station KYW for entertainment, news, and instruction. More farmers will be able to receive the daily market reports and thus be able to dispose of their products to greater advantage; more bankers will be able to feel the pulse of business and thus be of greater service to their patrons; more business men will be supplied with reports that will help them and their communities; and more shut-ins and invalids will be brought into closer touch with the great world about them.

As the hot days appear, the radius of the circle reached by broadcasting stations grows less, and it may be that the increase of power in this station will not be so noticeable during the summer, but even if the result is only that of keeping the present friends of this station within range during the summer, it will have accomplished much. When the real radio weather returns in the Fall, listen for KYW, for this station will be right on the job.

## 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 18, 1922

- 10:00 A. M. Services of the Emory Methodist Episcopal Church, North Highland Avenue at Rippey Street, Pittsburgh, Pa. Rev. W. Wofford T. Duncan, Minister.
- 1:45 P. M. Children's Bible Story. "The Lost Boy Who Wasn't Lost."
- 2:00 P. M. Radio Chapel at Westinghouse Station KDKA conducted by Rev. W. V. Bacon, Pastor Duquesne Baptist Church, Duquesne, Pa.
- 6:30 P. M. Services of the Calvary Episcopal Church, Shady Avenue, Pittsburgh, Pa. Rev. E. J. Van Etten, Rector. Harvey B. Gaul, organist and director.

Monday, June 19, 1922

- 6:00 P. M. Weekly Survey of Business Conditions. National Industrial Conference Board. From Pittsburgh Post Studio.
- 7:00 P. M. "Summer Sports—Tennis." C. S. Garland, Pittsburgh's nationally known tennis star. From Pittsburg Post Studio.
- 8:00 P. M. A variety of vocal and instrumental selections. Messrs. Schrader and Lensner, Hawaiian Guitarists. Concert by Miss Clara Huhn, soprano; Roy Strayer, tenor; George Wahl, baritone and Earl Mitchell, accompanist.

Tuesday, June 20, 1922

- 6:00 P. M. Weekly Dress Talk. From Pittsburgh Post Studio.
- 6:15 P. M. Special Dance Music for Dancing Masters at Jaques' Dancing Academy, by which the latest dances will be taught for first time by Radio.
- 7:00 P. M. "Advantages of Retail Training." W. W. Charters, Director Research Bureau for Retail Training, Carnegie Institute of Technology, Pittsburgh. "Beauty—Complexion and the Well Groomed Hand." Mrs. Gouverneur Morris, beauty specialist and founder of Primrose House, New York City, arranged through the courtesy of the Joseph Horne Co. Pittsburgh. From Pittsburgh Post Studio.
- 8:00 P. M. Concert by the Sewickley Presbyterian Church Quartet. William Fleer, accompanist.

(Program continued on page 5.)

## "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

## Swiss Yodelers at KDKA



Fritz Zimmerman

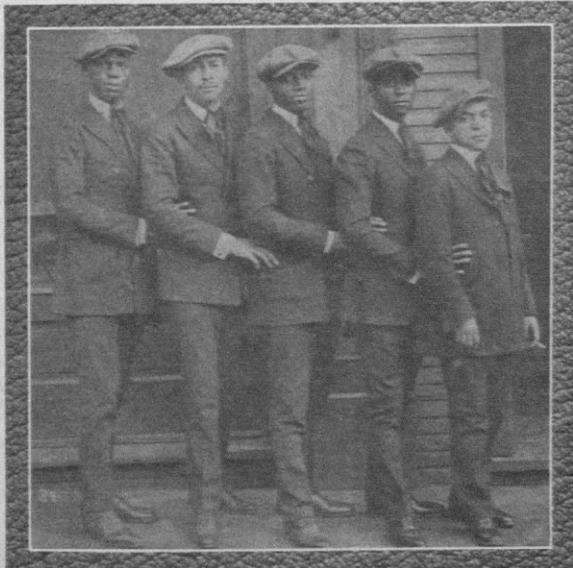
Marcelle Granville

## A Popular Orchestra at KDKA



The Crescent Entertainers

## A Jolly KDKA Bunch



Symphonium Serenaders  
Lois B. Deppe, Manager

## RADIO SALES & SERVICE CO.

539 Wood Street,

Pittsburgh, Penna.

Authorized Distributors for the

## Radio Corporation of America

We respectfully solicit your patronage

(Program continued from page 4.)

### Wednesday, June 21, 1922

- 6:00 P. M. Weekly Summary of "The Iron Age." From Pittsburgh Post Studio.
- 7:00 P. M. "Harmony of the Home and Garden." Tell W. Nicolet, M. L. A., Pittsburgh, Pa. From Pittsburgh Post Studio.
- 8:00 P. M. Versatile concert by Miss Louise E. Lerch, soprano; Mrs. Winifred Perry, contralto; Elmer A. Stephan, tenor; Russell Mitchell, Jr., baritone, and Earl Collins, accompanist.

### Thursday, June 22, 1922

- 7:00 P. M. "Requirements of Law on Automobile Headlights and How You Can Meet These Requirements with Devices You Now Have." D. A. Feigley, Pres. Feigley Accessories Corporation, Pittsburgh. From Pittsburgh Post Studio.
- 8:00 P. M. Male Quartet from the Lutheran Memorial Church of Pittsburgh, Pa. Robert D. Lord, tenor; John B. Maisch, tenor; Dan J. Fackiner, bass, and William Maisch, bass.

### Friday, June 23, 1922

- 7:00 P. M. "Seasonable Suggestions for the Home Garden." Harry R. Eby, County Agriculturist, Allegheny County Farm Bureau. From Pittsburgh Post Studio.
- 8:00 P. M. Musical Program by artists from the Lawrence Clifford Gibson Studio.

### Saturday, June 24, 1922

- 2:00 P. M. Popular Concert by Irvin's "PEP" Orchestra of Pittsburgh, Pa.
- 7:00 P. M. "Relation of Home and Garden." E. B. Lee, Architect, Chamber of Commerce, Pittsburgh. From Pittsburgh Post Studio.
- 8:00 P. M. Musical Program by the Hierholzer Flute Orchestra of Pittsburgh, Pa.

(Program continued on page 6.)

### Malta Quartet, of George Westinghouse Commandery No. 567



Clarence Harper, first tenor; David S. Cumming, second tenor; W. Ford McCurry, baritone; Andrew Schindehette, bass.

(Program continued from page 5)

**WESTINGHOUSE STATION KDKA—Continued**

**Sunday, June 25, 1922**

- 9:45 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 Shadow on the Wall."
- 2:00 P. M. Radio Chapel from Westinghouse Station KDKA, conducted by Rev. W. D. Lewis, Pastor, Oakdale Presbyterian Church.
- 6:30 P. M. Services of Calvary Episcopal Church Pittsburgh, Pa. Rev. E. J. Van Etten, Rector. Harvey B. Gaul, organist and director.

**Helping the Good Work Along**



**BERG'S STRING ENTERTAINERS, C. J. Berg, Manager**  
 Left to right—W. W. Hahne, guitar; L. Hahne, ukelele-guitar; W. L. Booth, banjo-mandolin

**Popular Entertainers Recently at  
KDKA**



Monaca Novelty Orchestra

**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.

**DCUBLEDAY-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

## Helping to Entertain You from KDKA



Left—Walter Baillie Brown, Director Edgar Thompson Steel Works Orchestra; upper left, Mrs. Pearl Crawford Van Orsdale, soprano; lower left, Ed Dorfsaun, baritone; middle, Miss Marie Sybert, soprano; upper right, Mae B. MacKenzie, Director Department of Music, Pennsylvania College for Women, Pittsburgh, Pa.; lower right, Master Churchill Vandeventer, pianist; right, Robert L. Tice, bass.

### U. S. Has 19,000 Radio Stations

It is hard to realize that in the United States there are today about 19,000 licensed radio transmitting stations of all classes. This list includes commercial, private, army, broadcasting and amateur stations. There are about 15,000 licensed amateur transmitting stations. The broadcasting stations are rapidly reaching the 300 mark, and at the rate they are being licensed, the number will total about 450 or 500 by the middle of the summer. In a period of ten days there were thirty broadcasting stations licensed.—Newark Sunday Call.

### A New Radio

An Irishman was going home about 10 o'clock at night. He was stopped by a good-feeling fel-

low countryman sitting by the roadside. "Shish—" said the sitter. "Listen to that wonderful Rhadio—its not so clear I can understand—listen." The other sober one remarked—"Pat, get up and go home—you're sitting on Mrs. Murphy's pet cat!"—Hardware News.

### Why Rastus Enjoys Radio Broadcasting

"Mandy, I thinks I'se gwine put on my bes' clothes and go down to the theayter ternight to see de chorus ladies dance."

"Rastus, listen heah. If dat am whut yuh thinks, then yur'd bettah think again. Niggah, yuh ain't gwine put on nothin', to go no place no time to see nobody do nothin', nevah, nohow an', not at all. Does yuh understand'?"—Exchange.

New York and Eastern District

WESTINGHOUSE-RADIO CORPORATION  
STATION WJZ

360 Meters Newark, New Jersey  
Eastern Standard Time  
Sunday, June 13, 1922

- 2:00 P. M. Radio Chapel services, conducted by Rev. Christian Reinsner, D.D., of the Chelsea Methodist Episcopal Church of New York. Sermon, "Salty Freshness." Sacred musical selections by the Cathedral Choral Club of Newark, N. J.
- 3:00 P. M. "Books I like," by S. S. McClure, Editor McClure's Magazine, courtesy of National Association of Book Publishers.
- 5:30 P. M. Readings and records from "The Bubble Books that Sing" by Ralph Mayhew, courtesy Harper & Bro.
- 5:45 P. M. Sandman stories, told by Kasper Seidel, courtesy Harper & Bro.
- 6:00 P. M. Adventure stories in the Far North, for boys and girls from 8 to 14 years of age, by a Macmillan author.
- 6:45 P. M. "Renovation of the Family Clothes," by Prof. Laura I. Baldt, School of Practical Arts, Teachers' College, Columbia University.
- 7:00 P. M. "Eat and Grow Thin," by Miss Susanna Cocroft, the only woman in America who had U. S. officers detailed to carry out her instructions in setting-up exercises, military drill, etc., in Washington during the war. At one time she had 3500 women with 75 officers, from Lieutenants to Colonels, under her direction on the White House lawn.
- 7:15 P. M. Recital by Hedwig Browde, mezzo-soprano; James Dietrich, accompanist. "Margaret at the Spinning Wheel," Schubert; "Over the Stepple," Gretchaninoff; "Hark, Hark, the Lark," Schubert; "Mon Coeur S'ouvre Ta Voix," Saint Saens; "My Love's a Dashing Muleteer," di Nogero; "Isle," Ward-Stephens; "O Del Mio Dolche Adore," Old Italian; "My Lover, He Comes on the Skee," Clough-Leigher; "Jaimie," Old English; "City Four Square," "O Savior, Hear Me," Gluck.
- 7:45 P. M. Recital by Sari Iissner, pianist.
- 8:30 P. M. Joint recital by Mme. Radomsha, soprano, from the Boston Opera Company and Orestes Biora, tenor. Selections from Lucia, Recitative and Duet Final, "Lulla Tomba che Rinserra, Lucy and Edgar," by Orestes Biora, tenor and Mme. Radomsha, soprano. Soprano solo "Mad Scene," by Mme. Radomsha. Tenor solo, recitative "Fra poco a me ricovera Edgard," by Orestes Biora.

Monday, June 19, 1922

- 5:00 P. M. "Business and Industrial Conditions in the United States," as observed by the National Industrial Conference Board.
- 6:00 P. M. "Stories from the St. Nicholas Magazine," courtesy of the Century Company.
- 6:30 P. M. "Esperanto," a suggested International radio language by James Denson Sawyers, member of the staff of the New York Evening Post.
- 8:45 P. M. "The Romance of Silk, from the Cocoon to the Silk Gown," by Mrs. Carolyn T. Radnor-Lewis of New York.

(Program continued on page 9.)

A New Variometer

The Rogers Receiving Radiometer

Smaller—Simpler—  
Less Costly—Better

Tuning efficiency and sharpness is greatly improved because the dielectric material is reduced to the absolute minimum—no wood, paraffine, shellac, or varnish is used.

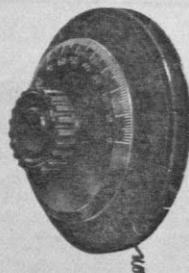
Takes up but a small fraction of the space required for ordinary variometers.

Only one supporting bushing is used for the entire assembly; this bushing is also used for the electrical contact between the two inductors.

For long distance, short wave sets, two Rogers Receiving Radiometers will give as good, if not better results than any other type of installation. Can be used in any part of the circuit in which the ordinary ball type variometer can be used.

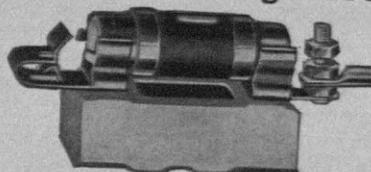
Price \$4.00 each, without dial and knob.

If your dealer cannot supply you, send his name and money order or check for the number of Radiometers you want, and we will see that they are delivered to you at once.



LUDWIG HOMMEL & CO  
530-534 FERNANDO ST. PITTSBURGH, PENNA.

BRACH VACUUM  
Lightning Arrester

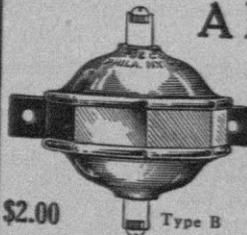


Makes Radio  
and  
Home Safe  
Listed by the  
Underwriters  
Laboratories

Sold by Leading Dealers Everywhere

L. S. BRACH MFG. CO.  
NEWARK, N. J.

KEYSTONE RADIO  
ARRESTERS



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.

\$2.00

Type B

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

Electric Service Supplies Co.

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

Mention Radio Broadcasting News when writing to Advertisers

## Norfleet Trio at WJZ



Catherine Norfleet, violinist; Helen Norfleet, pianist;  
Leeper Norfleet, cellist.

7:00 P. M. Concert by Ninth Coast Defense Command Band, New York National Guard; 40 pieces under the direction of Lieut. Frank E. Houts. Edna Joyce, ex-Chief Yeomanette of the U. S. Navy, known as "The Songbird of the Navy," will sing several selections including "Swanee River Moon" and "Stealing," accompanied by the entire band. Her voice, of unusual high range, tops the entire band. During the war she sang with a band of 150 pieces from the "Battleship Recruit," courtesy of Col. John J. Byrne, Commander. Selections by the Band: "Prince Royal Band," "Tylee," "Wild West Wyoming Days," "Stumbling," "Raggy Trombone," "Three O'clock in the Morning," "Star Spangled Banner."

8:15 P. M. Concert by the Delta Upsilon Fraternity Glee Club under the direction of Edward Lawall Seip, Lafayette '91.

"The Bell-Man," by Forsythe; "Pickaninny Snuggle Song," Smith. Tenor solo by F. Clyde Doane; "Winter Song," Bullard; "Down Among the Dead Men," Adaption, Delta U. Words by Joyce Kilmer, Rutgers '08; violin solo, selected; "Ole Uncle Moon," Scott; Group of short numbers; "Secrets," Smith; "Absent," Metcalf Lynes; "Alexander," Brewer; tenor solos, Aria "Vesti La Glubba," from I Pagliacci, Leoncavello; "Tommy Lad," from I Pagliacci, Leoncavello; "14, Mrs. Margetson, F. Clyde Doane, Williams '14, Mrs. Doane at the piano; male quartette, "Keep a goin'," Jacobsen, Messrs. Mead, Irvin, Goldsack, MacDonald, assisting artists; Colby College Songs, by Geo. A. Fall, Colby '90 and Delta U. Fraternity Yell; "The Image of the Rose," by Reichardt, tenor solo by Walter D. Barrington, Ohio State '09; "In Absence," Dudley Buck; "The Tear," Witt; "In Vocal Combat," Dudley Buck; "Delta U. Ode," Seip.

Tuesday, June 20, 1922

6:00 P. M. "Man in the Moon" stories (c) Newark Sunday Call.

- 6:30 P. M. "Geronimo" by Capt. Frank Winch, the man with a radio voice who recently told a number of exciting Wild West stories.  
7:00 P. M. Concert under the direction of Chas. D. Isaacson, of the New York Evening Mail.  
8:30 P. M. Recital by Margaret L. Moodie, Scottish soprano.

Wednesday, June 21, 1922

- 5:00 P. M. "Review of the Iron and Steel Industries and their Relation to General Business Conditions" by the Iron Age.  
6:00 P. M. Joint recital by Claire De Vine, prima donna soprano, and Harry LeVan, tenor; courtesy Shubert Vaudeville Circuit.  
6:30 P. M. Recital by Minnie Carey Stine, mezzo contralto, who is featured in "Trifles of Yesterday," a Shubert Vaudeville Revue Unit. The program includes "Re dell ahissio—Masked Ball," Verdi; "Prison Scene—Pryshete," Meyerbeer.  
7:00 P. M. Concert by the L. I. Tel. Society Jazz Band, together with High Twelve Four Quartette and C. H. Cattau, soloist.  
Program—"California," Jerome H. Remick & Co.; "Pick Me Up," and "Annie Laurie," by the High Twelve Four, J. W. Martin, first tenor, A. Ross, second tenor, W. K. Leufer, baritone, J. Leufer, bass; "All Erin is Calling," "A Dream," solo by Mr. Cattau; "It's Wonderful World After All," Will Rossiter; "Angel Child," Whitmark; solo by Mr. Cattau; "My Land of Dreams;" "Jimmy," Waterson, Berlin & Snyder; "You Can Have Every Light on Broadway," Irving Berlin; "Gee, but I Hate to Go Home Alone," Shapiro Bernstein.  
8:00 P. M. "Color" by Mrs. Jessie Martin Breese, of "Country Life."

8:10 P. M. Student's concert by the New York American Conservatory of Music, Carl Hein and A. Fraemcke, directors. Each one of the four students who are taking part has been a soloist at one of the annual concerts at the Aeolian Hall.

Program—Concerto for violin, Vivaldo, "Allegro," "Largo," "Presto," by Isabella Zimbler (New York City); aria for tenor, "Celeste Aida," Verdi, by Frederick Gummick (Elizabeth, N. J.); concert etude for piano, MacDowell, by Martha Mahlenbrock (Jersey City, N. J.); Sonate, Andante and Allegro, Corelli by Mathilde Zimbler (New York City).

Thursday, June 22, 1922

- 6:00 P. M. "Jack Rabbit Stories" by David Cory, New York Evening Mail.  
7:00 P. M. Concert by the Elks Trio of Paterson.  
7:30 P. M. U. S. Navy Night under the personal direction of Capt. C. T. Vogel Gesang, Commandant N. Y. Navy Yard; and the Third Naval District, address "The Treaty Navy" by Capt. T. A. Kearney, Manager New York Navy Yard; "Navy Radio" by Lieut. Commander J. W. Reeves, Jr., Radio officer Third Naval District; "The Navy in Peace" by Commander C. S. McDowell, Electrical Superintendent of the New York Navy Yard. The New York Navy Band of 20 pieces under the direction of J. Morris, Band Master, playing "Anchors Aweigh," Zimmerman; "Overture of Nautical Melodies" Tobani; "Waltz Evolutions of Dixie, Teasing Broadway Music Corporation "The Navy Forever" Maurice.

(Program continued on page 10.)

(Programs continued from page 9.)

Friday, June 23, 1922

- 6:00 P. M. "Man in the Moon" stories (c) Newark Sunday Call.  
6:30 P. M. "The Make Believe of Childhood," a talk to parents by David Cory, author of the "Jack Rabbit" stories, courtesy New York Evening Mail.  
7:00 P. M. Literary Evening conducted by the editorial staffs of the "Outlook," "Scientific American" and Harper & Bro.  
8:00 P. M. Recital by Mme. Clementine de Vere-Sapio; R. Sapio at the piano.

Program—"Elegie," Massenet; "Psyche," Thomas; "Pastorale," Bizet; "Au Printemps," Gounod; "Ah, grand je dors," Liszt; "Dich Theure Halle (Tannhauser)," "In the Woods," MacDowell; "Send me a Dream," Marion Bauer; "Spring," R. Sapio; "Oh, del mio amato bene," Donaudy; "Ritorna Vincitor," Verdi; "Mattinata," Leoncavallo.

Saturday, June 24, 1922

- 6:00 P. M. "Uncle Wiggily Bedtime Stories" by Howard R. Garis, the author of the "Uncle Wiggily" stories, printed in many newspapers and frequently appearing on KDKA's and WJZ's programs.  
6:45 P. M. "Fashions" by an editor of Harpers Bazaar.  
7:00 P. M. Concert by the Llewellyn Novelty Orchestra of Orange, Frank Markwith, saxophonist-leader; Arthur J. Werner, pianist-manager; George Amable, cornetist; Philip Blanda, trombonist; Patsy Minnichinni, violinist; and Wm. Wilson, drums and traps. Program of popular-songs, dance tunes and solos.  
8:00 P. M. Recital by Mary Mitne Sharpe, soprano.

Sunday, June 25, 1922

- 2:00 P. M. Radio Chapel—Quaker services conducted by Dr. Albert Russell, Woolman School, Swarthmore, Pa. Sacred Music.  
3:00 P. M. "Important Books of the Past Year" by John Farrar, editor of the Bookman; courtesy National Association of Book Publishers.  
5:30 P. M. Readings and records from "The Bubble Books that Sing" by Ralph Mayhew, courtesy Harper & Bro.  
5:45 P. M. Sandman stories, told by Kaspar Seidel, courtesy Harper & Bro.  
6:00 P. M. "Overland Trail Stories" by a Macmillan author.  
6:30 P. M. "Vocational Training," by Wesley A. O'Leary, Assistant Commissioner of Education, Bureau of Instruction.  
7:00 P. M. Sermon by Rev. Mebane Ramsay; sacred music by the choir from the Calvary Presbyterian Church, West New Brighton, Staten Island.  
7:30 P. M. Recital by Salvatore Cioffi, violinist; Edward H. Mignani, accompanist.

Program—"The Swan," Saint-Saens; "The Bee," Carl Bohm; "Poet and Peasant," Suppe; "Farewell to Thee," piano solo "Waltz," Durand; "Martine," Gabriel-Marie; "Kamenoi Ostrow," Rubenstein; "The Fountain," Carl Bohm; "Flower Song," Lange; "La Paloma," Yradier; "My Hero," L'Amitie; "Dancia," "Dixie," "Sailor's Hornpipe,"

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.

- 8:15 P. M. Recital by Ralph L. Pembleton, tenor.  
Program—"Fear ye not O, Israel," Dudley Buck; "I Come to Thee," Caro Roma; "Land of the Sky Blue Water," Cadman; "Down in the Forest," "Love, I have Won You," from "A Cycle of Life," "Spring's a Loveable Ladye," W. K. Elliot; "Duna," McGill; "Years at the Spring," H. A. Beach; "Heigho, the Sunshine," M. F. Phillips; "Mother Machree," E. Ball; "I Hear You Calling Me," C. Marshall; "Nita Gitana," Victor Herbert.  
8:45 P. M. Concert by the Carlowe Male Quartette, Caroline Lowe Hovey, at the piano. Program—"Jolly Fellows," Herbert; "Rock-a-bye-Baby," Canning; "Annie Laurie," Geibel.

WJZ'S WEEKDAY SCHEDULE

- 8:00 A. M. Agricultural Reports and Prices as released by the New York, New Jersey, Federal Agricultural Bureaus; Musical Program.  
9:00 A. M. Musical Program, DUO-ART Recital.  
10:00 A. M. Opening prices on active bonds and stocks under the authority of the New York Stock Exchange; Musical Program DUO-ART Recital.  
11:00 A. M. Agricultural Reports and Prices released by the New York, New Jersey and Federal Agricultural Bureaus; Weather Forecast; Musical Program; DUO-ART Recital.  
11:55 A. M. Standard Time Signals from Arlington.  
12:00 M. Midday prices on active bonds and stocks under the authority of the New York Stock Exchange; Musical Program.  
1:00 P. M. Shipping News (excepting Saturday) by the Marine Engineering and Shipping Age; Musical Program.

- 2:00 P. M. Musical Program.
- 3:00 P. M. Baseball Scores of the American, National and International league games; Women's Fashion News by the Women's Wear Daily Fashion Newspaper; Musical Program.
- 4.00 P. M. Baseball Scores of the American, National and International League games; Musical Program.
- 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 (see detailed program).
- 7:00 P. M. Closing prices on active bonds and stocks under the authority of the New York Stock Exchange; Marine News by the Radio Corporation of America; (see detailed program).
- 8:30 to
- 9:15 P. M. (see detailed program)
- 9:52 P. M. Official Arlington Time Signals.
- 10:01 P. M. Official Weather Forecast.

**NOTE:**—W J Z Broadcasts on weekdays for fifteen minutes on every hour from 8:00 A. M. to 5:00 P. M.; at noon from 11:00 A. M. to 11:30 A. M. The evening's program is continuous from 6:00 P. M. to 9:15 P. M. The Sunday's program is almost continuous from 2:00 P. M. to 9:15 P. M. (see detailed program.)

The time given is Eastern Standard Time. For Daylight Saving add one hour.  
(New York and Eastern District Schedule continued on page 14)

## Don't Experiment

with the "Good Enough" class of materials when your money will buy goods of known and lasting qualities. Quality and service are considered in everything we make.

### C. G. HUSSEY & COMPANY

Pittsburgh Copper Rolling Mills

Pure Copper Aerial Wire, Sheets, Bars, Nails, Rivets, Gutters, Conductors, etc.

2850 SECOND AVE., PITTSBURGH, PA.

### "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-7012

THE R. THOMAS & SONS CO.  
EAST LIVERPOOL, O.

New York Boston Chicago



## Chicago and Mid-West District

### WESTINGHOUSE RADIO PROGRAM—STATION KYW

360 Meters

Chicago, Ill.

Central Standard Time

Sunday, June 18, 1922

2:30 P. M. Radio Chapel services conducted by Rev. George McGinnis, District Superintendent of the Anti-Saloon League. Musical program conducted by the Musical Directors of Mooseheart, Ill.

Monday, June 19, 1922

7:00 P. M. Musical program, courtesy Lyon & Healy, Concert and Artist Department. Montgomery Ward Chorus, with John Minnema, conductor; George Konchar, saxophone; Wendell W. Hall, Xylophone; Arthur W. Banstead, piano; Rudolph Mangold, violin; Olive McCormick Wiswell, soprano; Adeline Foss, pianist; and Otto C. Luening and Elizabeth Wiswell, accompanists.

Tuesday, June 20, 1922

7:00 P. M. Popular program arranged through the courtesy of Jim Mayers' Orchestra of Michigan City, Indiana.

Wednesday, June 21, 1922

7:00 P. M. Musical program by Vesta Murray Watkins, soprano; Myrtle May Hopkins, accompanist; Clementine Venn, cellist; Mrs. John C. O'Neill, accompanist; J. Edson Farrar, tenor; and Wilfred C. Macreau, reader.

Thursday, June 22, 1922

7:00 P. M. Musical program arranged by Lyon & Healy, Concert and Artist Department.

Friday, June 23, 1922

7:00 P. M. Concert by Irma Murphy, contralto; Hazel C. Palmer, accompanist; Frederic Irving, baritone; John Winslow, accompanist; the Beverly Garden Orchestra, with Frank Sullivan, director; and Vincente Cipriano, saxophone, arranged through the courtesy of Ahern Brothers.

Saturday, June 24, 1922

7:00 P. M. Musical program by the Byron Brothers Saxophone Band, consisting of Fred Byron, melody saxophone; Clarence Byron, alto saxophone; Herbert Byron, bass saxophone; Chas. S. Byron, tenor saxophone; Siren Byron, melody saxophone; Lloyd Salughter, soprano saxophone; and accompanied by drums, ukulele, bag-pipe, clarinet, guitar, cornet, steel guitar, banjo and piano.

Sunday, June 25, 1922

2:30 P. M. Radio Chapel conducted by Father Kinselle, of the Saint Philip Neri Church. The music will be given by the church choir, with Master John Tobin, soloist.

(Programs continued on page 12)

(Programs continued from page 11)

## 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 12M.
- 12:20 P. M. Closing market quotations, Chicago Board of Trade.
- 1:15 P. M. News and Market reports.
- 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 radio-  
phone). 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 telegraphs.
- 3:30 P. M. Market quotations on 485 Meter wave lengths.
- 4:05 P. M. Weather reports on 485 Meter wave lengths.
- 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.

## Prominent Actors Broadcasted



DeWolf Hopper

Frances Starr

## Broadcasting Stations

The following stations are broadcasting on 360 meter wave lengths. 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 Elec. 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 Tel., 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—Karlawa 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.\*\*\*
- WOZ—Palladium Printing Co., Richmond, Ind.\*
- WOK—Pine Bluff Co., The Pine Bluff, Ark.
- WMH—Precision Equipment Co., Cincinnati, O.\*
- KSD—Pulitzer Print Co., St. Louis, Mo. (St. Louis Post Dispatch).
- WDW—Radio Const. & Elec. 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.
- WBT—Southern Radio Co., Charlotte, N. C.
- WFI—Strawbridge & Clothier, Philadelphia, Pa.
- WRE—Tarrytown, N. Y., Radio Research Lab.
- 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 length.

\*\*Only Weather.

\*\*\*Also Weather.

\*\*\*\*Also Market and Weather.

Mention Radio Broadcasting News when writing to Advertisers

## RADIO CHAPEL



Rev. W. V. Bacon

The Rev. W. V. Bacon who conducts Radio Chapel, June 18, was graduated from Colgate University and Rochester Theological Seminary and has held pastorates in New York State and Pennsylvania.

At the present time he is pastor of the Baptist Church of Duquesne, Pa., in which city he is also president of the Church Federation.

His work has been very successful, particularly among the young people, which probably accounts for his election to the presidency of District 45 Sabbath School Association.

## Speech of Prominent Rotarian Broadcasted

The principal address at the commencement exercises of the Westinghouse Technical Night School, which were held June 6, in the Union High School, Turtle Creek, was given by Allen D. Albert, a former president of the International Association of Rotary Clubs, a prominent lecturer on sociology, and a man who is greatly interested in the youth of our country.

This address was broadcasted from the Westinghouse Radio Broadcasting Station KDKA.

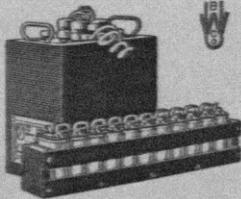
Mr. Albert later spoke to the Rotarians of Pittsburgh, making a plea for better conditions with which to surround our boys and girls.



Allen D. Albert

The service which is being given to the people of our country by radio broadcasting makes it one of our greatest educational influences.

The greatest all-around  
radio battery satisfaction  
invariably is found in



**WESTINGHOUSE**  
RADIO  
**BATTERIES**

At your dealer's or any Westinghouse  
Battery Service Station  
Westinghouse Union Battery Co.,  
Swissvale, Pa.

"The best  
Westinghouse  
can build"

### New York and Eastern District Schedules

(Continued from page 11)

#### 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.
- 9:00 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 A. 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.

## Broadcast Bill's Radiolays

By William E. Douglass

There ain't no month the whole year 'round, I like as well as June; when Spring with all its rain is past, an' Summer comin' soon. The trees and fields all dressed in green, the whole world seems to smile, 'most everyone likes June I guess, leastwise it's just my style. One reason why this world seems bright, it ain't just 'cause it's Spring, it's 'cause that chap the other day sold me this wireless thing. He handed me some happiness all done up like a present, a shiny



"A lying in my hammock there so calm and peaceful like."

little package that is makin' my life pleasant. Now folks 'round here say list'nin is the only thing I do; I like to know what's goin' on an' all the stuff that's new. So, now when dinner's over I kin lay around an' hear what's doin' in this land of ours in places far and near. A lyin' in my hammock there so calm an' peaceful like, I hear the latest baseball scores or 'bout the miners strike; how Carpy knocked out Lewis, gosh that must a been a peach, I'm mighty doggone glad I wasn't there within his reach. They told us 'bout a woman whose husband liked baseball; it seems that he neglected her, which pleased her not at all an' so she up an' leaves him—she's a baseball widow now. Next thing I know on this here farm there's goin' to be a row, my better half is thinkin' now of gettin' a divorce; to all her friends I s'pose she'll say, "It's radio of course." The people here in Brussell's Sprouts don't know the war is over, the only thing they think about is sowin' oats or clover; and when I try to tell 'em that they're awful out of date, they turn their noses up an' say I'm addeled in the pate. Now folks, I'll leave it up to you, don't happiness come first? An' I ain't happy 'less I hear what's new; it's like a thirst that some has got for homemade brew; for me it's information that keeps my spirits in a state of sorter mild elation.

(Copyright, 1922, Westinghouse Electric & Manufacturing Co.)

# IMPORTANT

## Growing Demands for Radio Are You Prepared?

Do  
You  
Know ?

We Are Equipped to  
Supply Your Wants  
COMPLETE STOCK OF ACCESSORIES

Now

Dealers Write Us For Our Liberal Proposition  
*Orders Shipped Promptly*

### KESSELMAN-ODRISCOLL®

517-519 GRAND AVENUE

MILWAUKEE, WIS.

## Delta Upsilon Glee Club Singing from Station WJZ

The Glee Club, singing from Station WJZ, June 21, 1922, representing the Delta Upsilon Associated Clubs of Greater New York, is composed of men representing the following colleges and classes: Edward LaWall Seip, Lafayette '91, director; Chilion Roselle, Rutgers '00, accompanist; Clyde Wallace, Harvard '10, assistant accompanist; Charles E. Artman, Syracuse '10, president and manager; Harry M. Rounds, Williams '21, secretary-treasurer; Harold A. Hanning, Williams '20, librarian.

First tenors: Walter D. Barrington, Ohio State '09; Floyd W. Bates, N. Y. U. '22; Fred W. Boley, M. I. T. '19; Geo. I. Bushfield, Columbia '22; Clyde Doane, Williams '14; and John Young, Brown '95.

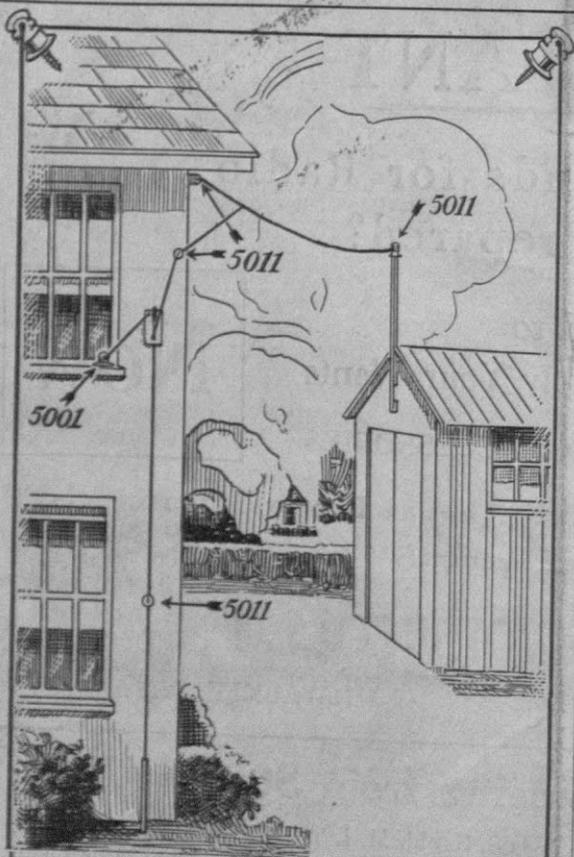
Second tenors: Harry Ahlheim, Hamilton '12; Chas. E. Artman, Syracuse '10; Carl A. Atwood, Brown '10; Seneca B. Burchard, Jr., Colgate '17; George P. Fall, Colby '92; Arthur F. Newell, Brown '12; Ward P. Snyder, Lafayette '14.

First Basses: Walter B. Brown, Jr., Amherst '20; Wilbur T. Fredicks, N. Y. U. '16; Gard-

ner S. Gould, M. I. T. '18; Harold A. Hanning, Williams '20; Vernon W. Packard, Wisconsin '18; Geo. C. Rannenberg, Wisconsin '14; Ted A. VonGlahn, N. Y. U. '16; and Harry M. Rounds, Williams '23.

Second Basses: Robert E. Denike, N. Y. U. '04; Willis L. James, Williams '21; Dewey R. Mason, Rochester '11; Geo. H. Morgan, Columbia '21; William L. Soule, Colby '90; Clyde Wallace, Harvard '10; Norman B. Wardlaw, Colgate '10.

This Fraternity was founded in 1834 at Williams College, Mass., as a non-secret society in protest against the outstanding evils of college life at that early time. Its name is the Greek form of the initial letters of the Fraternity motto "Kikaia Upotheke" whose meaning is "Justice the Foundation Stone." Its purposes are the promotion of friendship, the development of character, the diffusion of liberal culture, and the advancement of justice. The Alumni membership of over 15,000 college graduates includes many prominent men in all walks of life.



[No. 5011]

### LIST PRICE

No. 5001  
23c Each

No. 5011  
24c Each



No. 5001

National Brackets consist of a sharp screw and an insulator bolted to the base by means of a U bolt. This U bolt affords a double protection for holding the wire. Should the insulator ever be broken the U bolt will hold the wire in place. A sherardized base and screw makes the bracket rust-proof. These Brackets will stand a strain of 700 pounds straight pull.

WRITE FOR OUR FOLDER ON RADIO.

**National Metal Molding Co.**  
Pittsburgh, Pa.

Return Postage Guaranteed by  
**RADIO BROADCASTING NEWS**  
1205 Keenan Building  
Pittsburgh, Pa.

UNIVERSITY OF ILL. LIBRARY  
MILES O. PRICE  
URBANA ILL.

331RN