

\$26,000 in Prizes for Playing Whozit

# Radio Digest

TWICE  
A MONTH

PROGRAMS  
Illustrated

FIFTEEN  
CENTS

FIRST NOVEMBER NUMBER, 1926

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Vol. XIX No. 2



*Whozit Game Explained; Jack Little Interview; Story of WRVA; Football Schedule;  
King Milo Tells How to Wire Equamatic; New Tubes and Aides; New Improved Programs*

# Weather Man Makes Good; Distant Stations Flood in with New Features

### Opera Stars on Air from KYW—WLS and WMAQ Form Joint Light Opera Company—Boris Kreinin Series at WBZ—Loud Speaker Now Campus

WE TOLD you recently that the weather man promised real long distance soon. He has lived up to his word and "DX" is with us once more. It is good that he has, too, for new features and improved programs of all sorts are bobbing up in all parts of the continent.

For instance, there is the super artist series and musical travelogue programs of KYW, the formation of the WMAQ-WLS Light Opera company, WQJ's new early evening programs, Billy Spears' return to WBBM, Boris Kreinin's weekly concert over WBZ, and many other choice ether tidbits.

#### Alma Peterson at KYW

Alma Peterson, famous operatic soprano; Kathryn Browne, noted American contralto; Senor Don Jose Mojica, lyric tenor of Chicago opera fame; Rollin Pease, Chicago's most famous oratorio basso, and William Rogerson, former Chicago opera leading tenor, may be heard by tuning in KYW each Wednesday night from 7 to 8 p. m. Central time.

The series will continue all winter and will feature Peterson, Browne and Rogerson once each month, the remaining Wednesday nights each month to be taken alternately by the other famous stars named.

On Thursday evenings from 9 to 10:30 KYW has added a program made up of songs and recital characterizing certain nations. The nationalized presentations emanate from the Edison studio, where Morgan L. Eastman is in charge.

#### WMAQ-WLS Light Opera Company

Two stations, WLS and WMAQ, have joined hands to form a light opera company of thirty-three persons. In the orchestra there are eight pieces, and Pierre de Reeder, formerly of "The Student Prince," is musical director. The productions, two of which have been given, may be heard every Friday evening at 8 o'clock by tuning in either WLS or WMAQ, as both stations broadcast the performances simultaneously.

"The Mikado" will be produced November 5.

College instruction by noted educational and national figures for which work certificates will be given to Radio students "passing" has also been started by WMAQ. Among the speakers are Clarence Darrow, K. Lee Lewis, inventor of "Lewisite" gas, Fay-Cooper Cole, explorer and anthropologist, Edward A. Ross and Jane Addams. Fridays at 8:10 p. m. is the time.

#### Kreinin in WBZ Concerts

Boris Kreinin, violinist of international note, is being heard Sunday evenings in a series of concerts from WBZ, the New England Westinghouse station. Aidan Redmond, baritone of Boston, whose work is of first rank, is assisting in the series.

Back again with a new "Around the World with the WBBM Speed Buggy" tour, Billy Spears and his assistants may be heard Wednesday and Saturday nights at 8:15 Central time from WBBM. Another addition to the Stewart-Warner Air theater program is that of the Select Service club of Chicago, an exclusive "400" organization, whose members have been appearing on the early Monday evening programs.

"Air Mail Request Hour" is the WOOD, Grand Rapids, Mich., innovation program given every Monday at midnight. Request numbers sent to WOOD by air mail are honored and acknowledged by air mail. The idea is one which should help build up America's civil aviation and should be encouraged by other broadcasting stations.

#### WQJ Shows Improved Programs

WQJ's dinner hour program, from 7 to 8 Central time, has gone under the knife of Director Harry Geise and emerged from the ether (pun not intended) as a series of specialty programs, each evening differing from the others. Tuesdays the period becomes "Operatic Hour," Wednesdays "American Composers' Hour," Thursdays "Instrumental Hour," and on Fridays is "Dramatic Hour."

Dr. Preston Bradley is again on the air Sundays through WQJ, having recently dedicated his new People's church of Chicago. The time is 9:30 to 11:30 a. m.

WTIC is teaching farming. The course is furnished by the Connecticut Agricultural college through station WCAC at Storrs. Seven o'clock Eastern time every evening is the time.

#### Loud Speaker Now College Campus

In fact the loud speaker is becoming a college campus. Not alone can you study farming, but along comes WIBO and puts on two college football hours. On Thursday evenings at 7:30 Frank Haggerty, old All-American star, tells football history, incidents and "dope" on the coming clashes. On Saturday evenings at 7 o'clock comes a resume of games played that day and all the fireworks of a college pep session.

Bearing out the claim that loud speakers

are campuses, KFMX, Carleton college, Northfield, Minn., announces a series of popular talks on legal subjects on the air Tuesday evenings at 9:30 p. m. Central time, and WRAX, Philadelphia Bible school, has begun a Radio school of the Bible, with regular enrollment and periodic written examinations. The WRAX Bible school is on the air Thursdays at 8:45 p. m. Eastern time and is taught by Dean William L. Pettingill.

### WSB Divulges Plan to Add Radio Player Organization

ATLANTA, Ga.—A venture into the more or less uncharted seas of the Radio drama will be essayed this year by The Atlanta Journal station, WSB.

Although in its fifth year as a pioneer of the ether and while many of broadcasters fundamental precedence and tradition were created by the Atlanta station, no important effort toward developing Radio histrionics has yet marked WSB's service.

Competent dramatic support will be obtained and the station hopes to make the invisible stage an important adjunct to its schedule.

The intensity of Radio signals may be influenced by disturbances 93 million miles distant from the earth and Radio transmission may be affected by sun spots, which are known to be connected with magnetic disturbances on the earth, according to the bureau of standards.

### WINSOME JOYCE ON THIS ISSUE'S COVER

"AFTER the movies—Radio!" And that accounts for the delectable Wampas maiden who brightens the cover of Radio Digest this fine November morning. Consider yourself presented, one and all, to Miss Joyce Compton, who scintillates in the First National firmament. But after the camera comes the microphone and so of an evening when the Kleigs have gone to rest Joyce crosses the orbit to shine in the KNX studios, and blessed be they who are privileged to hear her dulcet voice over the gentle ether waves. Our chief regret is that the typographical limitations of our cover do not allow for presentation of the entire photo from which the head and shoulders have been lifted. But this gives one a grand idea of what the microphone sees.

### Beg Your Pardon!

In the second September number there appeared an item regarding KWKH, of Shreveport, La., stating that it had been sold by W. K. Henderson to the Shreveport Broadcasting association and would hereafter be known as KSBA. This was an error.

W. G. Patterson, formerly associated with Mr. Henderson, resigned to start a new station for the Shreveport Broadcasting association. The association purchased a 1,000-watt transmitter from Mr. Henderson, but not KWKH, which is still on the air, with wave length 312 meters. An even larger transmitter for KWKH may be installed.

### SHORT WAVES

By Marcella

Earl E. May, a Thriller; Applesauce Twins, Half Eligible; Lillian Madsen, Little Mother; Eleanor Gilmour "Mrs. Pat" Now; Carl Menzer Crushes Elizabeth Ann; Paul R. Heitmeyer Sends a Laugh; May and June, Blondes and 22; Peg Raves Over Paul; Johnen Strikes a Happy Medium in the Eye; Nate Caldwell Comes Back; Birthday Presents for Favorites; Junk in an Ex-Screen Star: "Bud" Wants to Know.

THERE have been so many interesting Radio folks in Chicago during the Radio Show I simply am bewildered at seeing them and meeting them "face to face." Just now I have been talking to Earl E. May, the big seed man of Shenandoah, who won the Radio Digest gold cup. And, honestly, I feel thrilled through to think, here is the announcer who has so many friends to his voice over KMA that 452,000 votes were cast to win him this great honor over all the other announcers in America. He is a big man, jolly and has a cute dimple in his chin and one chuckle just waiting for the other with everything that he says. You would know he is just the kind of a man whose wife always could feel proud at all times that he is her husband. He has blue eyes and wears a tie that shows an appreciation for distinction without being vulgarly brilliant. He wears a soft gray fedora and a gray suit. I could write volumes about him but, oh dear, space simply won't permit. He said that one lady in the northern part of Iowa wrote that she had sent in 1,000 votes for him during the contest—and who knows how many others must have been doing almost as well?



I asked him some questions in answer to a letter from Jeanette who inquired about the Applesauce Twins. His answer was brief. "Dr. Bellamy," he said, "is single, a dentist, 30 years old, of dark complexion, black hair, brown eyes, five feet and eight inches tall and sings tenor. And Jeanette just listen! He is unmarried and is fond of the girls." Grady Fort, the other Applesauce, is married, 32 years old, German, brown hair, brown eyes and sings baritone.

Lillian Madsen, at WOAW, is a young mother in her early twenties with a youngster about one year old. She sings and plays her own accompaniments. Glad you are a faithful "Marcellite." Hope we will be able to comply with your request about a WDAF page in the near future.

William of Milwaukee: I'm very much surprised at your asking what has become of Eleanor Gilmour of WGN. If there is one town—but anyway seeing that you had never heard I'll just take this space to tell you again that the fair Eleanor was captured and run away with and married to one Pat Barnes, winner of the 1926 silver cup in the Radio Digest's most popular announcer contest. He carried the Great Lakes precinct by 440,000 votes and lacked but 12,000 to tie the gold cup winner from Iowa. So that's the kind of a man Eleanor married and if you listen in to her mas—, her husband's voice at WHT you may again at times enjoy the privilege of hearing Mrs. B., of the Chicago Musical College.

Dear Elizabeth Ann, you are so frank I am going to pass your message on just as you wrote it and will answer the questions later: Says E. A.: "Please tell Carl Menzer, WSUI, for me that he's an adorable darling. I have a terrible case on him. Isn't he just too wonderful? Oh gee! Thrills chase each other up and down my spinal column when I hear his heavenly voice! I'm desperately, hopelessly head-over-heels in love with him. Now, don't forget to tell him, will you, Marcella. If I wasn't so bashful I'd 'speak for myself.'" Elizabeth Ann lives at Belle Plaine, Ia., Carl.

Paul R. Heitmeyer, announcer of KGW, Portland, Ore., makes me laugh. He wrote to our Miss Hammill, "Ah, g'wan! I know darn well you are Marcella, 'n I won't be spoofed. Anyway, I'd like to see anyone wrap Mr. Plummer around their finger. Furthermore my curiosity is all arisen and I demand enlightenment." Just like a man! But he's right about me not wrapping Mr. Plummer around my finger. He's the boss and he makes me work hard.

In answer to Inquisitive: May and June at WLS are both blondes, 22 years old and neither one is married. They are music students and sing over WLS the while. They are lively, good looking girls with a penchant for motors and horseback riding.

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## Looking Ahead

So I Took the Many Thousands of Dollars, and bought myself a brand new set of WHOZITS. Now that you have read all the ifs, ands, this, that and the other thing about the Game of Whozit, what do you think of it? Frankly speaking it is a dandy, isn't it? DON'T FORGET that the first Whozit pictures will appear in the NEXT ISSUE, on the newsstands November 14. Order and pay for it now—or you are liable to get left! The prizes are many and valuable.

King Milo Will Finish the Karas Equamatic next issue, the Second November number! He will complete the wiring instructions and give you first hand tips on how to make this splendid receiver do all he says it will.

Interested in the New Accessories? The next page of these will be devoted to A power supply devices, A chargers, etc. This winter sees many improvements in A power supply. We know you will appreciate what we have to show and say about these units.

Marcella, the Improved Advance Programs, and all the other regular features of course, will be in next issue, as usual.

This Isn't Looking Ahead, of course, but a question please: Have you filled in one of the National Radio Interference Survey blanks and mailed it to Radio Digest? If not, do it today!

Special articles about broadcasting stations and artists, with photographs, and NON-RADIO fiction 5,000, 10,000 and 30,000 words in length are desired. No manuscripts accepted unless typewritten and prepaid, or returned without return postage being inclosed. All manuscripts are sent at owner's risk.

Newsstands Don't Always Have One Left WHEN YOU WANT Radio Digest YOU WANT IT! BE SURE OF YOUR REGULAR COPY BY SUBSCRIBING NOW

SEND IN THE BLANK TODAY

Publisher Radio Digest, 510 N. Dearborn St., Chicago, Illinois.

Please find enclosed check M. O. for Three Dollars (Four, Foreign) for One Year's Subscription to Radio Digest, Illustrated.

Name .....

Address .....

City ..... State .....

# \$26,000.00 IN PRIZES FOR LISTENERS

## HERE'S HOW TO PLAY THE GAME OF WHOZIT

JUST KEEP EYES AND EARS OPEN AND IT'S SIMPLE

Fascinating, Mysterious, Yet Not Difficult—Destined to Be Radio Craze of the Year

For Complete Rules See Page 15

WHOZIT? WHOZIT? WHOZIT? That's it—WHO IS IT?

Radio Digest offers \$26,000 in prizes to Radio Listeners to find out who the Whozits are.

WHOZIT—the newest thing in Radio, the most amazing and fascinating diversion ever presented to the listener. It's a game. Everybody can play. Everybody will play it. So simple and yet so mysterious that it is bound to be the Radio craze of the year.

Listen! Look! Cut! That's the big trick. Let your ears tell your eyes how to guide your hands as you cut, clip and cut.

Watch your step and do it right and you stand an excellent chance to win one or more of the prizes.

### Simple If You're Wide Awake

There is nothing technical about it—just be a good listener and keep your eyes open.

It's a great big game, rather a series of games, with you on one side of the table and your favorite broadcast station artists on the other. These stations are scattered across the continent so that every territory has a chance to join in.

Suddenly from your loud speaker you hear a familiar voice, or the voice tells its owner's name. You take your sharply pointed pencil from between your teeth and the game is on. Mr. Artist begins to "Whozitate," which means that he begins to call "tag" by describing one of the segments in one of the Whozit faces that belongs to him. Right there at the top of the very first picture you spot what he is talking about when he describes a "gink with the top of his forehead resembling the large end of a hard-boiled egg." (See example at bottom of page.)

### Artists Tell You All on Air

"But," says he, "except for the fairly luxurious crop of black hair encircling the upper circumference, that is as far as I go. The rest of that Whozit has other entitlements not endowed by me. However, roaming crosswise of the page and settling down somewhat more to the right than to the left I perceive my own blinkers under fairly high arched brows with the lids coming down more than ordinarily heavy over the irises, which seem to be gray rather than black. There's a heavy shadow along the side of my nose. Tag! My mouth—Oh, that's a dead give-away. The cutting line comes just under my lower lip, and the upper one is parted in the middle—not another like it on the whole page. Tag."

"Now the rest of me so far as the picture goes is quite simple. The gates ajar have a very narrow threshold of a tie and there is a slight shadow on my (not your) right side. Tag."

### Now to Put It Together

Check—a, Check—b, Check—c, Check—d; your pencil has been jotting down the

(Continued on page 15)

## DON'T MISS COPIES! STARTS NEXT ISSUE

WARNING is given Whozit contestants that the pictures appear beginning next issue—November 15. This issue will be very popular, as will the succeeding seven issues containing the remaining Whozits. Don't take a chance—your newsdealer may be sold out—subscribe and be sure! For your convenience a subscription coupon has been provided at the bottom of page 2.

# "WHOZIT" COMPETITION ONE OF LARGEST EVER PROPOSED

All Fans Are Invited to Play New Picture Game Whose Object Is to Get Acquainted With Favorite Announcers and Artists

## HERE ARE STATIONS AND PRIZES

- WHT, Radiophone Broadcasting Corp., Chicago.**  
\$500, Gold, First Prize.  
\$300, Merchandise Order, Second.  
\$200, Merchandise Order, Third.
- WMCA, Hotel McAlpin, New York.**  
\$500, Gold, First Prize.  
\$300, Merchandise Order, Second.  
\$200, Merchandise Order, Third.
- WNAC, The Shepard Stores, Boston.**  
\$500, Gold, First Prize.  
\$300, Merchandise Order, Second.  
\$200, Merchandise Order, Third.
- KJR, Northwest Radio Service Co., Seattle, Wash.**  
\$500, Gold, First Prize.  
\$300, Merchandise Order, Second.  
\$200, Merchandise Order, Third.
- WMAK, Norton Laboratories and Hotel LaFayette, Buffalo.**  
\$500, Gold, First Prize.  
\$300, Merchandise Order, Second.  
\$200, Merchandise Order, Third.
- WHK, Radio Air Service Corp., Cleveland.**  
\$500, Gold, First Prize.  
\$300, Merchandise Order, Second.  
\$200, Merchandise Order, Third.
- WPG, World's Play Ground, Atlantic City, N. J.**  
\$500, Gold, First Prize.  
\$300, Merchandise Order, Second.  
\$200, Merchandise Order, Third.
- WLW, Crosley Radio Corp., Cincinnati.**  
\$500, Gold, First Prize.  
\$300, Merchandise Order, Second.  
\$200, Merchandise Order, Third.
- WJR, Jewett Radio and Phonograph Co., Detroit.**  
\$500, Gold, First Prize.  
\$300, Merchandise Order, Second.  
\$200, Merchandise Order, Third.
- WOOD, Hotel Rowe, Grand Rapids, Mich.**  
\$500, Gold, First Prize.  
\$300, Merchandise Order, Second.  
\$200, Merchandise Order, Third.
- WSOE, School of Engineering of Milwaukee, Wis.**  
\$500, Gold, First Prize.  
\$300, Merchandise Order, Second.  
\$200, Merchandise Order, Third.
- WJAX, Jacksonville C. of C., Jacksonville, Fla.**  
\$500, Gold, First Prize.  
\$300, Merchandise Order, Second.  
\$200, Merchandise Order, Third.
- CKY, Manitoba Telephone System, Winnipeg, Canada.**  
\$500, Gold (U. S.), First Prize.  
\$300, Merchandise Order, Second.  
\$200, Merchandise Order, Third.
- WMC, The Commercial Appeal, Memphis, Tenn.**  
\$500, Gold, First Prize.  
\$300, Merchandise Order, Second.  
\$200, Merchandise Order, Third.
- WSM, National Accident and Life Ins. Co., Nashville, Tenn.**  
\$500, Gold, First Prize.  
\$300, Merchandise Order, Second.  
\$200, Merchandise Order, Third.
- KTSH, New Arlington Hotel, Hot Springs, Ntl. Park, Ark.**  
\$500, Gold, First Prize.  
\$300, Merchandise Order, Second.  
\$200, Merchandise Order, Third.
- KMOX, "Voice of St. Louis."**  
\$500, Gold, First Prize.  
\$300, Merchandise Order, Second.  
\$200, Merchandise Order, Third.
- WOC, Palmer School of Chiropractic, Davenport.**  
\$500, Gold, First Prize.  
\$300, Merchandise Order, Second.  
\$200, Merchandise Order, Third.
- WHB, Sweeney Automotive & Electric School, Kansas City.**  
\$500, Gold, First Prize.  
\$300, Merchandise Order, Second.  
\$200, Merchandise Order, Third.
- WOAW, Woodmen of the World Life Ins. Assn., Omaha.**  
\$500, Gold, First Prize.  
\$300, Merchandise Order, Second.  
\$200, Merchandise Order, Third.
- KOA, General Electric Co., Denver.**  
\$500, Gold, First Prize.  
\$300, Merchandise Order, Second.  
\$200, Merchandise Order, Third.
- KVOO, Southwestern Sales Corp., Bristow, Okla.**  
\$500, Gold, First Prize.  
\$300, Merchandise Order, Second.  
\$200, Merchandise Order, Third.
- KFWB, Warner Bros. Films, Los Angeles.**  
\$500, Gold, First Prize.  
\$300, Merchandise Order, Second.  
\$200, Merchandise Order, Third.
- KPRC, Post-Dispatch, Houston, Tex.**  
\$500, Gold, First Prize.  
\$300, Merchandise Order, Second.  
\$200, Merchandise Order, Third.

With this issue Radio Digest announces one of the greatest prize competitions ever inaugurated by a national magazine. Twenty-six Thousand Dollars (\$26,000.00) in prizes will be awarded to the successful contenders in the great popular GAME OF WHOZIT. Twenty-four leading broadcasting stations will co-operate with this magazine in this great undertaking.

The contest will start with the November 15 issue of Radio Digest and will continue for eight issues, to and including the March first issue, and ends officially midnight March 15, 1927.

The purpose of the fascinating GAME OF WHOZIT is to give Radio Digest readers an interesting Winter diversion and to familiarize them with the faces of their favorite announcers and artists at twenty-four prominent broadcasting stations. At the same time it will furnish them with an opportunity to compete for a share of the Twenty-Six Thousand Dollars in prizes.

### How to Try for Prize

Beginning with the November 15 issue Radio Digest will publish for eight issues forty-eight composite photographs of artists and announcers, or two each issue from each of the twenty-four participating broadcasting stations. Each photograph will be intersected with white lines showing the forehead of one artist, the eyes of another, the nose and mouth of a third and the chin and neck of a fourth. Each segment of every composite photograph will bear a number. All that will be necessary for a reader to do to play the fascinating Game of Whozit and participate for a prize will be to assemble correctly and neatly each issue for eight issues the segments of two portraits from a favorite broadcasting station which is participating. Each station will aid you by giving you over the air or in person hints that will enable you to identify and correctly assemble the segments of their pictures.

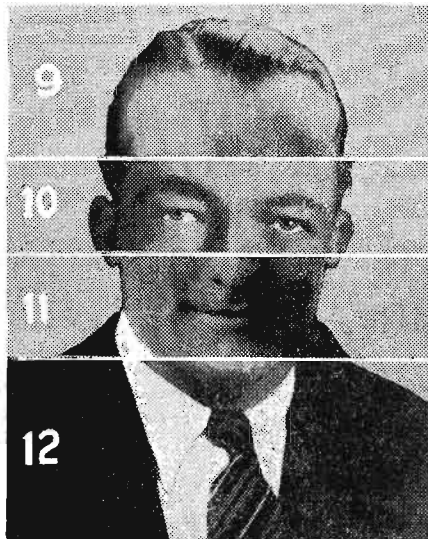
### Identifying Solved Whozits

At the end of the contest send your solution of the portraits to Radio Digest accompanying each solved portrait with an identification of at least ten words which must include five or more facts about the person whose portrait it is.

The Game of Whozit is free. It is not necessary to be a subscriber or newsstand buyer of Radio Digest to compete. Tracings of the pictures may be made at the offices of Radio Digest in Chicago or New York, public libraries or at the offices of the participating broadcasting stations. These with proper identifications may be submitted in place of the published photographs. General information helpful to the solution of the game may be obtained at any of the stations.

Remember, there will be twenty-four sets of Whozit pictures, one for each of the stations listed. Anyone may enter one or more sets.

## ALL READY FOR "WHOZIT" PRACTICE — TRY THESE EXAMPLE PICTURES



# Jack Little Deals Interview

*"HIGH, Low, Jack and the Game," But Between Hands Diminutive Singer Tells History of His Career and Rise to Radio Fame.*

game continued. Mr. Horowitz shuffled and I began to ply Mr. Little for his earliest recollections. "True enough, I was brought up in Waterloo, Iowa," he said, when I quizzed him, especially on the contention of many of Marcella's correspondents that Jack Little was a born Hawkeye. Then he added: "But the facts also compel me to admit that I was born in London, England, May 28, 1901, and my father came to Waterloo when I was 10 years old. A delegation of Iowa manufacturers induced him to come over here for what he knew about the cream separator business."

"Rather prosaic beginning, did you show any early musical inclination?"

"Played tunes on the piano at four—"

"Excuse me for interrupting," said Mr. Horowitz, "but I'm taking the pot with a straight flush and it's Mr. Berman's deal."

"Don't forget your little deposit at this time, either," said Mr. Berman.

"Little deposit?" Let Mr. Little make his own deposit," answered the winner.

"What, more nickels?" queried Jack.

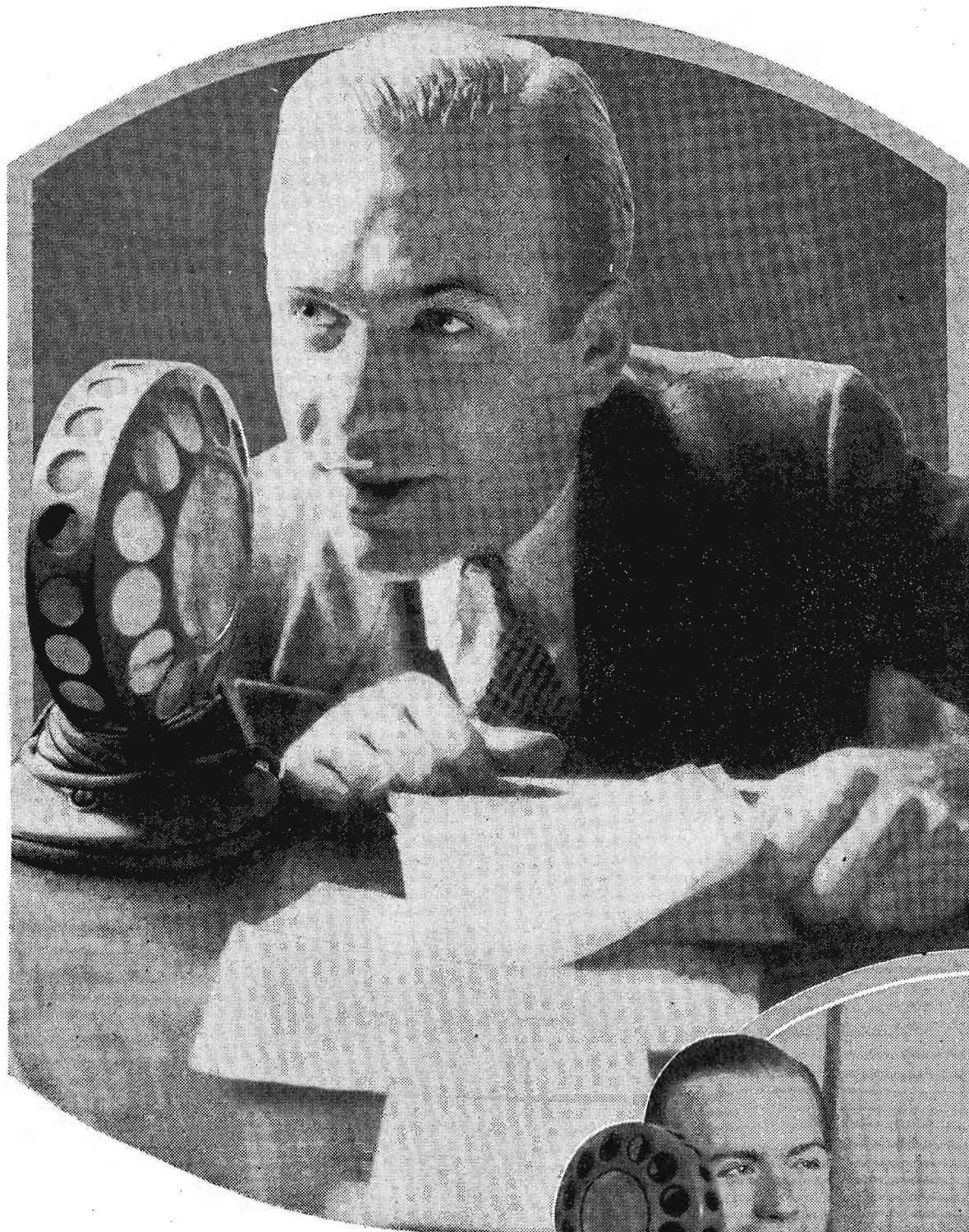
"I suppose you began playing in public at five, then," I resumed.

"Hardly," Jack answered absently as he studied his hand, "but I was out of school just in time to take 22 months' post-graduate in the navy. That's where I found even strangers would listen to me and I practiced on the gobs. They were kind and kept me entertaining at Great Lakes from the beginning to the end."

"When did you begin broadcasting?"

"In March, 1924, right here in Chicago. I came here from the East to exploit some new songs and Jack Nelson, who had charge of the station, known then as WDAP, on the Drake Hotel, gave me my first chance. After I left Iowa state

(Continued on page 10)



"Glad you liked 'Ting-a-ling,' Mrs. Gustafson of Milwaukee," Jack Little is saying in the upper picture, while at the right he tells listeners "I'm about to be shot," as photo flashlight is fired. Both scenes at WENR, Chicago.

By HAROLD P. BROWN

IT WAS after 11 o'clock, gay after-theater crowds filled the lobby and stormed the elevators as I got off at the twelfth floor in the Hotel Sherman, Chicago, and followed the door numbers down the hall. At room 1217 the transom was tilted and a soft light could be seen within. Also there was a murmur of men's voices. I knocked.

"Come in," a smiling youth greeted me, and motioned to the interior as he closed the door. Two men sat at a small deal table on which there were cards, a few nickels and a dollar bill. I looked from one to the other of them trying to decide which was the man I had come to see.

"This is Mr. Horowitz," said the young chap, who stood about to my shoulder. He introduced me to the man across the table at the left. "Mr. Horowitz is Chicago manager of Waterson, Berlin & Snyder, the music publishers. And Mr. Berman of Lyon & Healy."

"Pardon me, gentlemen, perhaps I am in the wrong room," I started to apologize, "but I am looking for Mr. Little, Jack Little, the Radio artist."

The boy laughed. "That's good. I'm Mr. Little."

Then we all laughed, because I had not paid much attention to the short one. He looked like a high school boy with his fair hair brushed back on his head and in his natty gray suit, his black and white tie and oxford tans.

Amenities established and cigarettes passed, the



# WRVA Plans Big Homecoming

**OFFICIALS and Artists**  
*Who Opened Richmond Station  
 to Return for First Birthday Cele-  
 bration. Over 8,000 on Programs Since.*

**I**F Mother Columbia has one pet state in all this great family of states she probably feels just a little bit more tender toward Virginia, the home of Washington and the background of romance through all the literary epochs of our nation.

And it may be for that reason that Radio listeners throughout the country will feel more than casual interest in the announcement that WRVA of Richmond is to celebrate its first birthday anniversary with a grand homecoming on November 2. All of the artists who were there on that opening night a year ago, and the official fathers also, are expected to be present.

Richmond takes her broadcasting responsibilities with characteristic dignity. Her artists serve for the honor of serving and no subsidies are accepted for "time on the air." Station WRVA "has the honor to speak for the great State of Virginia, Suh, and cannot consent to condescend to mere gratuities for commercializing such a privilege, Suh. She is exceedingly proud to announce that Dr. Douglas S. Freeman, a splendid speaker with the distinction of being the best informed man on the history and resources of the South, will be heard in 'Virginia Folk Lore' through the state every Monday evening at 9 o'clock, Suh!"

How can they do it? Ask the Larus & Brother company, one of the oldest tobacco firms in the country. They sponsored and built this latest concession to modern entertainment after a business career of fifty years in Richmond.

And those who turn their dials to 256 meters on the night of November 2 may be sure to find themselves in very good company. Mr. Elmer G. Hoelzle, director of the studio, has sent special invitations to Governor Harry Flood Byrd, Ex-Governor E. Lee Trinkle, Mayor J. Fulmer Bright of Richmond, and, of course, William T. Reed, president of the company, will act as host. Other notables expected to be present are the Reverend W. Taliaferro Thompson, Mrs. Channing Ward, representing the musical clubs of Richmond; the Acca Temple Shrine Chanters, Mrs. Henry P. Garber, contralto; and orchestras from the Jefferson Hotel and Arion's. It is

cated to the service of Virginia the management did not in the least infringe on the traditional hospitality of the South. Communities of the neighboring states also have been invited to share the courtesies of this Virginia station.

The studios occupy a luxurious suite on the ground floor on the Larus plant. Entering the general reception room the visitor is impressed with the atmosphere of refinement, the Chesterfield suite of taupe mohair, Italian Renaissance chairs, exquisite mirrors and floor lamps all artistically arranged. There is a dainty reception room reserved exclusively for the feminine guests. The two studios are appointed according to the laws of Radio acoustics with adjustable drapes of monks' cloth and fiber walls and such other accessories as are considered the best and most practical for the modern broadcasting studio.

At the beginning the station was on the air but a few hours in the course of the week. Now it is on the air five and often six days a week. Among the considerable number of regular features are the Harmony Boys, Pat Binford and Bright Keck; the Moment Musical Trio, the Edgeworth Country Fiddlers, Old South Negro Quartette, Samis Grotto Band; J. Harold Lawrence, Richmond's blind virtuoso; the junior entertainers and organists from the leading churches. C. T. Lucy is manager of the Radio department of the plant. This is organized under three heads, the engineering, remote control and studio service.

WRVA concludes its programs not by "signing off" but by "singing off." And what do you suppose they sing? Of course, "Carry Me Back to Old Virginny." Everybody knows that WRVA should be punctuated like this: W, R, Va.

Oh! it will be a very grand reception for everybody with a receiving set when WRVA celebrates with a birthday party on November 2. You note that it is quite exclusive to those only who are Radiocally prominent.



**Elmer G. Hoelzle,**  
 studio director and  
 chief announcer at  
 WRVA.



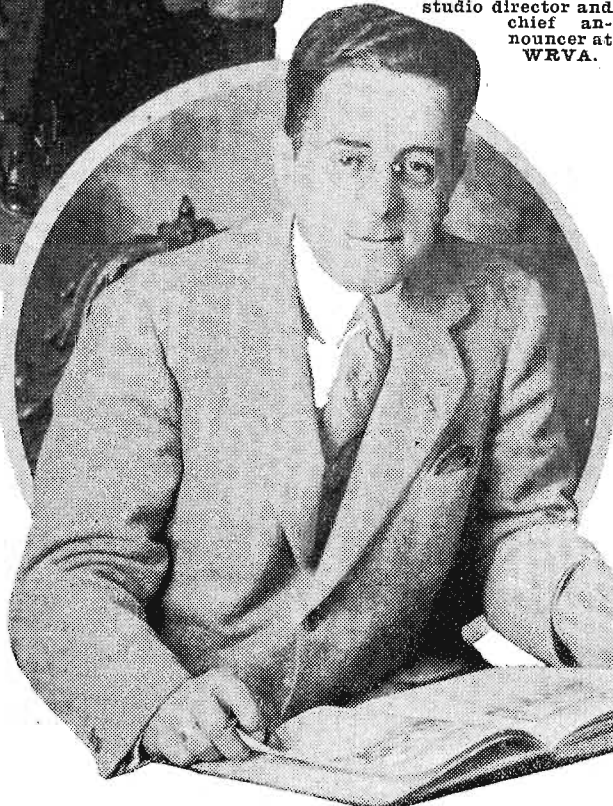
**Igna Crawford,**  
 13, pianist.

**"The Edgeworth Country Fiddlers,"**  
 (top) according to photographer's  
 note, but we're suspicious about two  
 of the "fiddlers." Just above are the  
 "Twinkling Stars" of WRVA Juvenile  
 Entertainers.

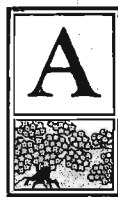
planned for these guests to utilize the same time which they had on the program a year ago.

During this first year of its existence WRVA has proved itself a veritable state institution. In the first nine months over 8,000 different persons had actually taken part in the programs. Every music club, every chamber of commerce, every public organization that needed a voice to reach the people of the state was invited to participate and make the WRVA microphone its own.

Cities and towns sent special delegations to Richmond to put on entire programs. Although primarily the station was dedi-



# Genuine NEUTRODYNES



AMRAD achievements in Neutrodyne radio are based on three great ideas.

1. Powell Crosley, Jr.'s genius in mass production.
2. Radio set operation direct from a light socket.
3. Use of the famous Mershon Condenser.

Engineering skill and inventive wizardry are of little practical worth until some master of production and organizer of distributing machinery can deliver the product into the public's hands at reasonable prices.

So completely has Powell Crosley, Jr. demonstrated his ability to make good radios in great quantities and at high speed that his influence in Amrad affairs already manifests itself in this startling fact—Amrad Neutrodynes at \$60—beautifully made and giving wonderful performance. All because of Crosley's purchasing power and standardized manufacturing methods.

### Radio Power from Light Sockets

Amrad's crowning achievement. A power unit using current direct from housing lighting fixtures to furnish A, B, and C current to the radio. Switch that turns on radio starts AC current from light socket. Snapped off everything stops. No batteries—nothing to charge. An entirely NEW development in power supply. Peak efficiency at all times. This remarkable unit has been TESTED BY CONSTANT USE IN HOMES FOR OVER A YEAR.

### The Famous Mershon Condensers

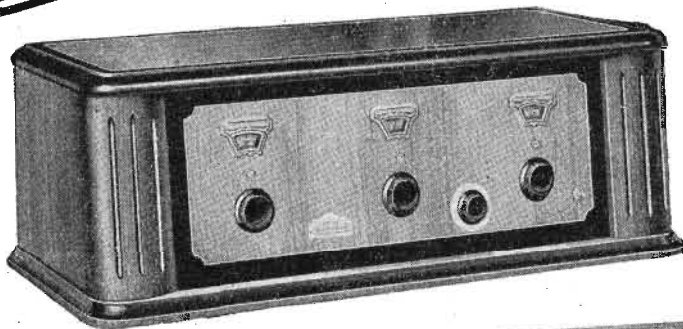
These condensers are of sufficient capacity to store enough energy to supply sudden maximum drains of plate current without distorting musical sounds. Their use eliminates chemical batteries. They have great mfd capacity with a safety factor of more than 100% beyond demands made upon them in Amrad radios. These marvelous condensers smooth out the alternating current ripple giving continuous direct current where required.

### Beautiful Models

Simple of design and rich in the elegant finish of the luxurious mahogany. Fittings are the finest. Dials are recessed behind windows. Delicate vernier controls.

In the console the celebrated Crosley MUSICONE has been skillfully arranged with the front panel forming a baffle board to produce a most exquisite tone. There is no distortion or choking from the tremendous power output of the light socket set. Silk screen protects the cone from damage.

**The Amrad Corporation**  
Medford Hillside, Mass.  
HAROLD J. POWER, Pres.



5-Tube Battery Type Model S-522

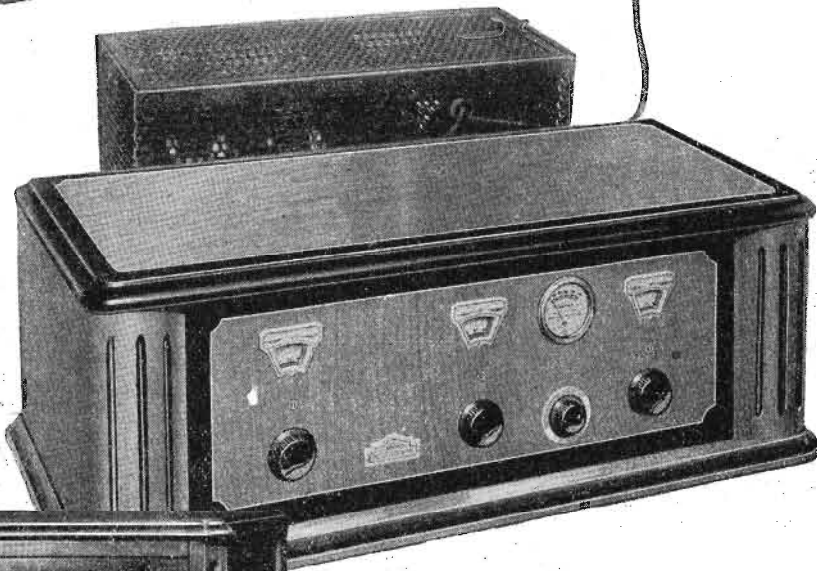
\$60

5-Tube Lamp Socket Model AC-5

Receiver \$65

Power Unit \$85

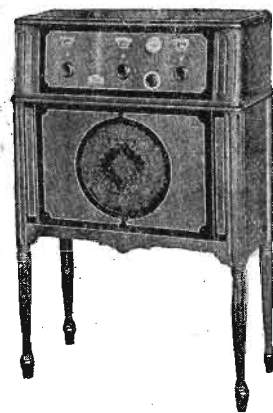
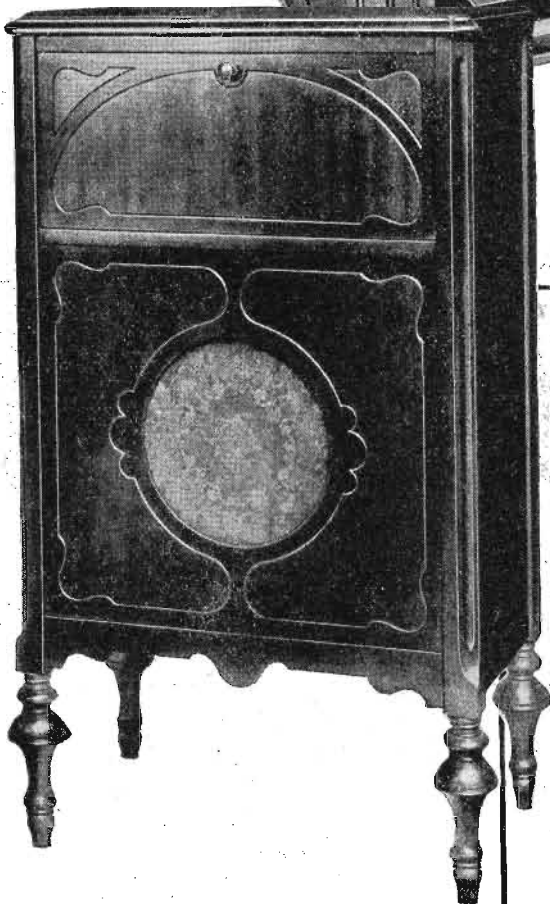
\$150



Console Model

Equipped with battery type set, 5 tubes - - - \$110

With lamp socket set and power unit, 5 tubes - - - \$200



Cone Table

For table models S-522 and AC-5 - - - \$32

Note how models pictured above make a console unit when used with Cone Table. Crosley Musicone built in. Matches table models in finish and design. Ample room for batteries or power unit and accessories.

# AMRAD

3-DIAL—5-TUBE—

## NEUTRODYNES

# "King" Builds Karas Equamatic

**PART II** in  
Which the Panel  
Drilling, Assembly and  
Wiring Are Described  
for the New Builder

By "KING MILO"

"WHY paint the lily?" said Maggie, as she proceeded to pull in a fifty-watter from the Southland on her Karas Equamatic. "You know, Bozo, it looks to me like this little circuit is breaking in just as a heap of other Whozits are breaking up. As a cook I may be a good potato smasher, but I'm telling you, boy, that any circuit which can plow through these locals and bring in a fifty-watter from that country where the Florida land-grabbers had their convention—not forgetting their recent effort to steal Ireland's slogan based upon the idea of 'The Night of the Big Wind'—I say, any circuit that can put on such a performance is entitled to have a Big Parade of its own.

"You don't have to paint the lily. Just lay down the cold hard turkey of telling them how to build it. They will do the rest and once they put it on the air, then the mail will be coming in here so fast that a special delivery will have to crash the gate to get attention." Then she signed off.

IN rebuttal—as the lawyers say, whatever rebuttal means—I shall accept the advice of her who shapes the destiny of my digestive organs and proceed to lay down the "How's How" so that in a few days you, too, neighbor, may allow friend wife to listen to a real "he" receiver.

Figure 4 is a symbolic circuit diagram of the Equamatic which, you will note, is nothing more or less than a standard tuned radio frequency circuit with the addition of two retard coils in the filament return of the first two stages. These are the little dojiggers shown on the sub panel in figure 6 between the coil and socket, and are used merely to allow the tubes to be operated at a higher point on their characteristic curve, thus giving one a greater latitude of play for rheostat operation.

Figure 3, lower half, is the subpanel layout and drilling guide for the mounting of the apparatus specified in my first article. While this template is accurate and should not cause other than satisfaction to the constructor, it is suggested that, in making the assembly, that you also refer to figure 6, which outlines the apparatus as it should appear as mounted upon the subpanel, with the exception of the inductance coils. Figure 3, upper half, is the front panel layout. It also shows the sizes of the mounting holes for the specified apparatus. It is to be noted particularly that, while many will be content to follow the drawings shown herewith, full size printed templates of the two panels and the wiring scheme (figure 6) are furnished free of charge by the Karas Electric Co., thus making it readily

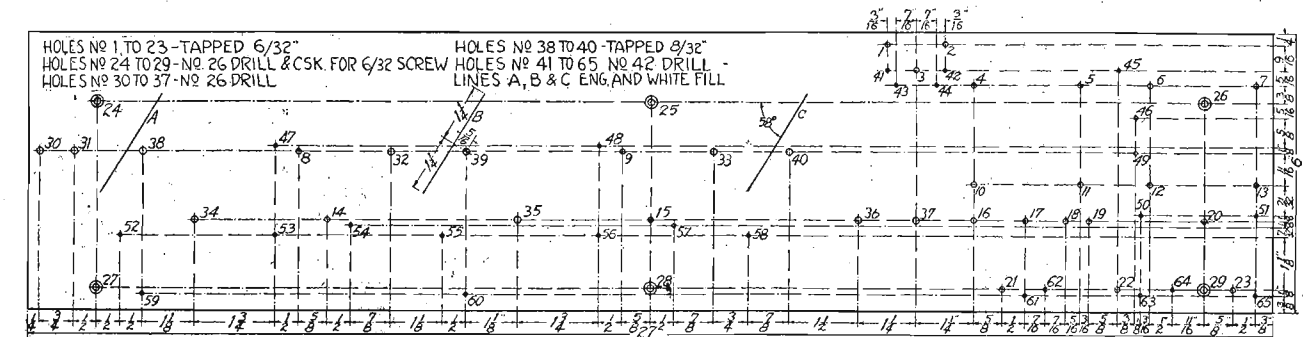
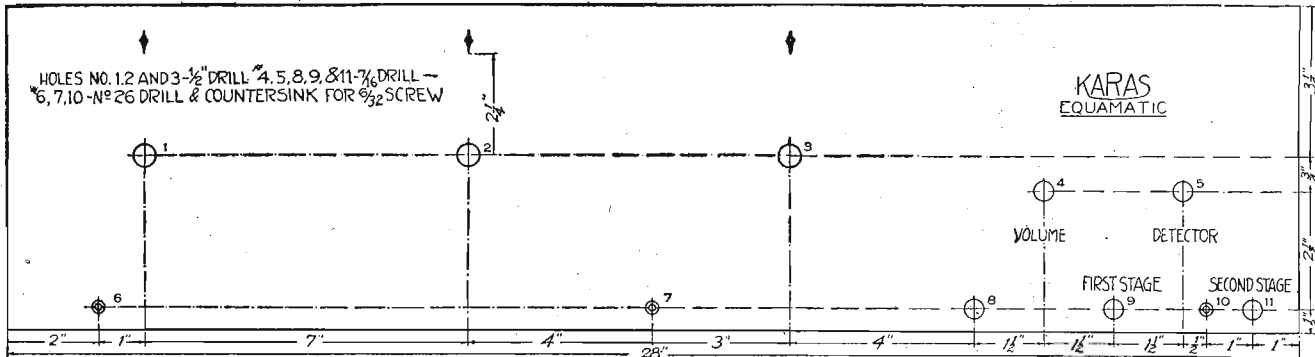


Figure 3

possible for those with little or no set-building experience to be certain of success in making this wonder receiver. Don't forget you can buy the panels already drilled and engraved! All that is required for the building of the Equamatic is the desire to own and operate a set which will not only afford you a world of

concerns the centering of the pivot in the little bar across the center of the primary coil directly over the tapped screw hole which holds the forked foot of the secondary coil in position when the screw and spring clip are put in place.

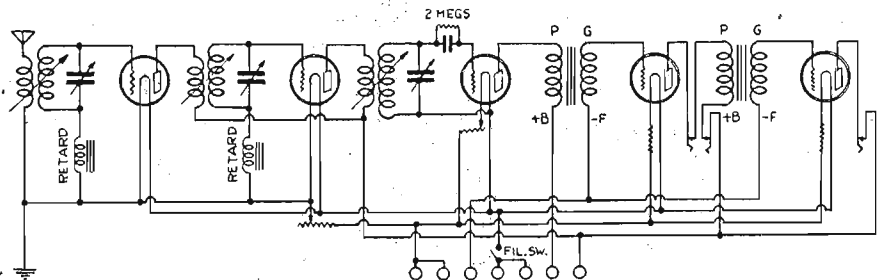


Figure 4

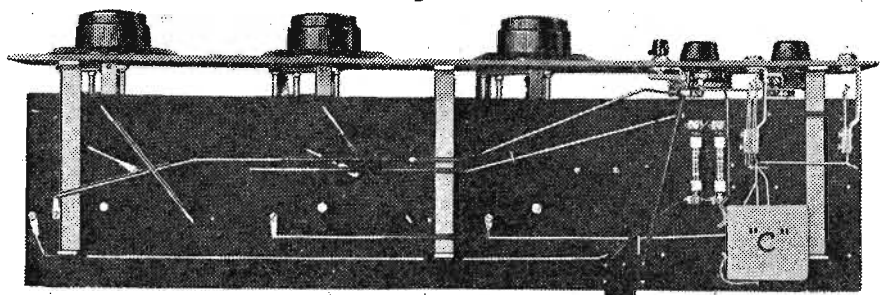


Figure 5

pleasure, but stand up and do its stuff without fuss or fume. And I guess that's sumthin', as Sam 'n' Henry say. Here's the factory "dope" on the assembly:

"We wish to stress two important points in connection with the building and assembly of the Karas Equamatic receiver. One

It is of the utmost importance that the pivotal point of the primary be directly over this screw.

"The other point concerns the distance between centers of the shafts of the three Karas variable condensers. This center-to-center distance shall be precisely

seven inches. Do not attempt to shorten this spacing.

"By referring to the view of the lower side of subpanel (figure 5) you will see how the wiring will look when completed, and will be able to determine exactly where to place the sleeving on the wires as called for in the wiring instructions. You will also notice several short white cross lines that intersect the longer wires in this illustration. These are the looped ends of wires from the top of subpanel where they join the wiring on the underside of the panel, as explained in the wiring instructions.

"THE first step is to assemble the rear side up, on two 6-inch blocks front panel. Lay the front panel, of wood with holes 8, 9, 10, and 11 closest to you, and on your left. Remove the mounting nut from one of the condensers. Place the condenser C-1 in hole No. 1 with the edge just below the capacity marking (.00037) perpendicular to the lower edge of the panel. Apply the single hole mounting nut and tighten securely with the special wrench supplied with each condenser, being careful to keep the condenser in the proper location.

"Do likewise with the other two condensers, C-2 and C-3, placing them in their respective holes, 2 and 3. Remove knobs and panel mounting nuts from the two rheostats, R-30 and R-10. The ten-ohm rheostat, R-10, is placed in hole No. 4, and the panel mounting nut applied and tightened, allowing the soldering lug which has the hole in it, to be at the very bottom. The 30-ohm rheostat, R-30, is placed in hole No. 5, and it also is tightened, allowing the soldering lug with the hole in it to be pointing down. Now remove the panel mounting nuts from the jacks. The single circuit jack, J-2, is placed in hole No. 11 with the jack frame vertical, in order that the contacts may be plainly seen from the bottom view. The first stage or double circuit Jack, J-1, is mounted in hole No. 9 in the same manner. Now remove screw, knob, panel mounting nut, and washers from the switch. Place the switch in mounting hole No. 8 and apply panel nut, washer, and marker, keeping the two contacts parallel with the lower edge, as shown in the wiring diagram. Replace knob and setscrew. The front panel has now all of the apparatus assembled upon it with the exception of the subpanel assembly.

"COUNTERSUNK holes Nos. 24 and 27 take the first bracket, D-1, No. 27 being used to hold the portion of the bracket which extends out from the subpanel. This will leave an inch of the bracket extending out to the front of the subpanel. Apply the other two brackets, D-2 and D-3, in the same manner using holes No. 25, 28, 26, and 29. The Jones plug bracket is next applied with screws into holes Nos. 1, 2 and 3. The first audio transformer, T-1, is put on through holes Nos. 4, 5, 10, and 11 with the top of the name-plate toward holes Nos. 4 and 5.

"The second audio transformer, T-2, is fastened in holes Nos. 6, 7, 12, and 13 with the top of the name-plate toward Nos. 6 and 7. The five sockets are next installed. Holes Nos. 8 and 14 are used to attach socket S-1. Make sure that the arrow on the socket is pointing toward hole No. 47. Likewise, socket S-2 is held by holes Nos. 9 and 15 with the white arrow pointing toward No. 48. In like manner, socket S-3

(Continued on page 29)

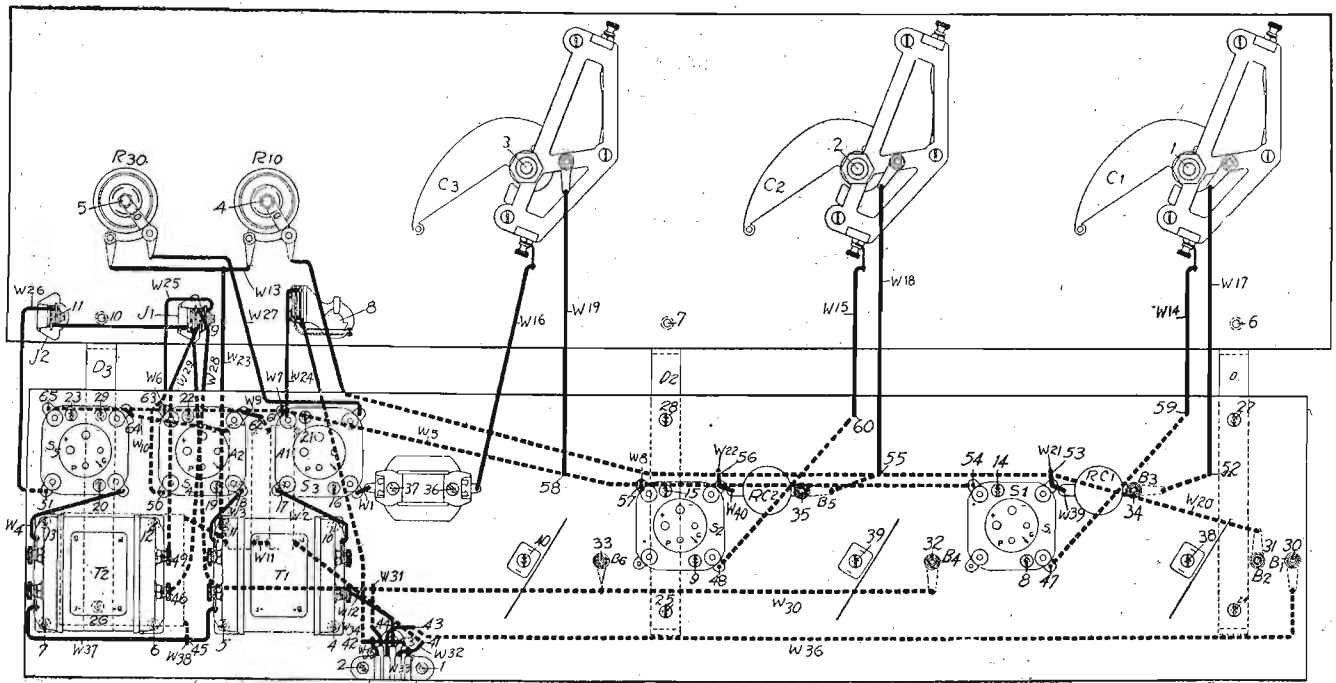


Figure 6

# Has It?

THAT ideal set you are looking for or contemplate buying—do your tests show that it has been fully developed in

- Tone Quality?*
- Extreme Selectivity?*
- Station Coverage?*
- Easy, Accurate Tuning?*
- Simplicity of Control?*
- Durable Construction?*

Test it for those qualities; then test the Synchronphase. Compare. Be exacting.

See a Grebe dealer today.

Send for Booklet RD

A. H. Grebe & Co., Inc.  
109 West 57th Street, New York  
Factory: Richmond Hill, N. Y.

Western Branch: 443 So. San Pedro St., Los Angeles, Cal.

This Company owns and operates stations WAHG and WBOQ; also low-wave rebroadcasting stations, Mobile WGMU and Marine WRMU.



"Make conscientiousness and sincerity your first principles."  
—Confucius.

These are the principles behind the success of the Synchronphase.

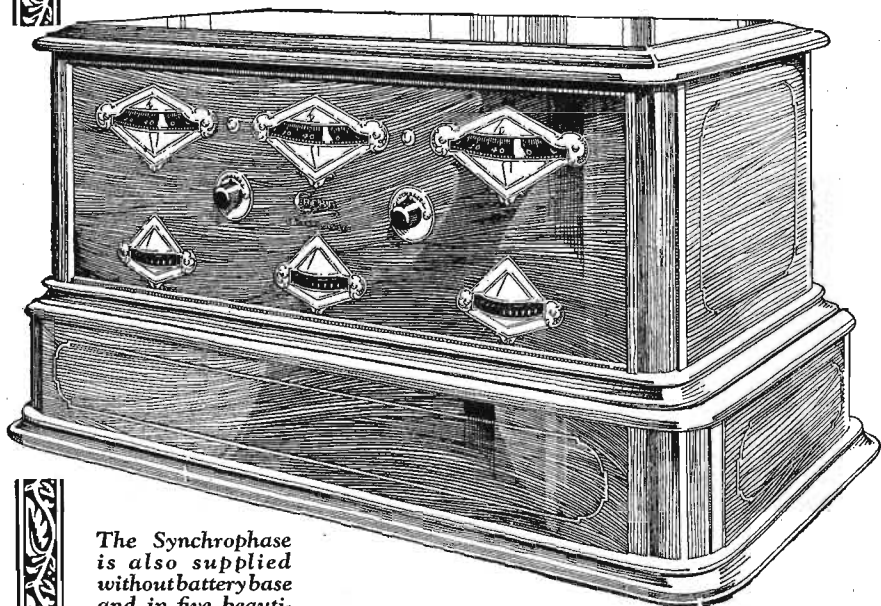
*Doctor Hux*

## The GREBE SYNCHROPHASE

TRADE MARK REG. U.S. PAT. OFF.



All Grebe apparatus is covered by patents granted and pending.



The Synchronphase is also supplied without battery base and in five beautiful console models.



## Here's the most economical "B" battery ever built for radio

IN THE production of Heavy-Duty Radio "B" batteries Eveready has established a new standard of economy.

*Eveready Heavy-Duty 45-volt "B" Batteries will outlast any Light-Duty 45-volt "B" two to one regardless of the number and kind of tubes used! Moreover, though lasting twice as long, they cost only one-third more!*

To cap the climax of "B" battery economy, in Eveready Layerbilt No. 486, Eveready has perfected a Heavy-Duty "B" battery of unequalled endurance and dependability—positively the most "B" battery in service and satisfaction its price can buy.

You can make no mistake in buying Eveready Layerbilt No. 486 for any set using normal voltages (45 to 135 volts).

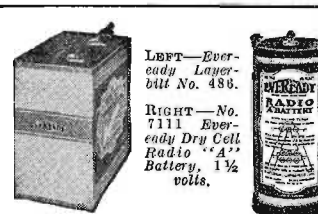
You will be buying the utmost in "B" power dependability—the greatest "B" power operating economy—D.C. (direct current) in its purest form, which insures pure tone quality.

With colder evenings at hand, radio reception is vastly improving. Equip your set now with Eveready Layerbilt No. 486, the greatest "B" battery ever built for radio.

Manufactured and guaranteed by NATIONAL CARBON CO., Inc. New York San Francisco Canadian National Carbon Co., Limited Toronto, Ontario

Tuesday night means Eveready Hour—9 P. M., Eastern Standard Time, through the following stations:

- WEAF—New York
- WJAR—Providence
- WEEI—Boston
- WTAG—Worcester
- WFI—Philadelphia
- WTAM—Cleveland
- WGR—Buffalo
- WCAR—Pittsburgh
- WSAI—Cincinnati
- WWJ—Detroit
- WGN—Chicago
- WOC—Davenport
- WCCO—Minneapolis
- WCCO—St. Paul
- KSD—St. Louis
- WRC—Washington



**EVEREADY**  
**Radio Batteries**  
—they last longer



# GOODY GOODY GIRL

*LOIS Faces the Footlights for the First Time and Considers Possibilities of Becoming a Cabaret Entertainer. In the Meantime She Takes a Flier at the Race Track against Formidable Odds.*

By *MERLIN MOORE TAYLOR*

"WHY do you entertain me so lavishly? Why do you furnish me with such beautiful clothes? What does it all mean?" asked the unsophisticated little girl from Paradise, whom the boys called "Goody-Goody Girl," but who called herself Lois Sylvester.

"Ah, my dear, just call it a whim of mine. I like to do these things for you because once it was just as new and exciting for me as it is for you," said Mrs. Gayton, the center of the fast set into which Lois had drifted when she ran away from her crabbed old step-father, Phineas Blair. "It gives me a thrill to see you enjoy it."

The girl's thoughts wandered to the experience of the evening before at the dancing party where Neil Becker, Mrs. Gayton's companion, had attempted intimate familiarities. She thought of the champagne she had sipped, unaware of its subtle potency, until Raymond Lancaster had come along and rescued her. She thought of his protecting interest as he had her alone on the veranda.

Then a feeling of depression crept over her again like the shadow of an ominous cloud. She would have to pay, she would have to pay—and what would be the price? However, these forebodings did not prevent her from attending a cabaret that very night. And when she sought and obtained the privilege, through Mrs. Gayton's influence, to sing as a guest entertainer she hoped to discover whether there was a possibility of making a future and independent livelihood for herself through her talent.

She was well received and then out of the semi-darkness beyond the footlights came the voice of Herbie Coles of her home town, whose advances she had resented the night she left Paradise, "Well if it aint the little goody goody girl!"

## CHAPTER VII

### The Barred Way

**GOODY-GOODY** girl. The words hurled at her from the semi-darkness of the cabaret threatened to complete what other things already had begun with Lois.

Trying to entertain any crowd intent primarily upon eating and drinking is an ordeal at best, since etiquette does not demand respectful attention to the performer. Lois, already disconcerted by the blinding glare of the first spotlight she ever had faced, was further upset by the buzz of conversation, the clink and clatter of dishes, that had been resumed as soon as McManus had completed his announcement. On top of that had come Herbie Coles' shouted recognition to startle her. If Herbie ran true to form the incident was likely to have an aftermath full of significance for her.

Lois fought down an impulse to turn and flee behind the velvet curtain at her back. She didn't want to sing now. She wanted only to be alone with her thoughts, to consider what she must do in view of the fact that Paradise had followed her to this place. In a flash she had seen that the fact was portentous.

The accompanist began the prelude to the spirituelle she had chosen to sing and she drove from her thoughts everything but that. She must go through with the job in hand. Rallying her wandering thoughts, she lifted her voice.

A moment after she began the battle with the din of the cabaret she fancied that it was decreasing. Then she began to be certain of it and presently when she reached the plaintive, haunting "Swing low, sweet chariot; coming for to carry me home" she found herself singing in that breathless hush that is so sweet a tribute to an entertainer.

A burst of frantic applause wafted her behind the curtain and refused to die away. McManus came bustling toward her, rubbing his hands gleefully together.

"Listen to 'em out there," he said. "You've got 'em going, miss. Go give them a bow and a smile and make them call you back for the next song."

"Just a Song at Twilight" got them, too. Lois' acknowledgments only stirred the diners to greater applause. Suddenly the clapping was added the stamping of feet in that rhythmical synchronized measure with which a crowd demands something that is being denied it.

McMANUS chortled. "You're a hit, miss; a regular wow. How about giving 'em just one more?" "Yes," said Lois. "In the Gloaming." McManus nodded. "Fine. I'll tell 'em." He stepped in front of the curtain. His hand lifted for silence had no effect. The diners suspected him of wanting to tell them that Lois would not sing again and would not listen. A masculine voice lifted itself above the din to shout: "We want goody-goody girl." Others chimed in, a few at a time, then with a rush and quickly the whole room was

Paradise. Before the hands came down and the tongues ceased wagging the cabaret would have become a brothel, the simple songs she had sung been turned into things off-color and suggestive, her own bit of entertaining the act of a wayward, depraved girl.

Lois made a little grimace. The decision of whether she should return home seemed to have been taken out of her hands and vested in Herbie Coles. If she knew anything, the road back to Paradise was effectually blocked now.

## Our Programs

OUR Programs have always been our pride. We have attempted to give our readers the most accurate advance broadcasting station program information obtainable. How well we have succeeded is not a question. Thousands of letters bear mute testimony of our achievement. Yet—we were not satisfied. There must be some better way, some improvement, that we could make. At times these improvements suggested themselves, and they were made.

But now, after carefully searching into the methods and means of Radio Listeners and observing how they went about the serious pastime of tuning in of a morning, afternoon, or evening, we learned some things. We found that there was still much room for improvement in the style of presentation of advance programs. We then scientifically developed the new method of presentation you will find this issue beginning on page 16. It is the BEST—and you will agree with us. And perhaps other editors and publishers will agree with us; and we shall see this form universally adopted. May we quote: "Imitation is the sincerest form of flattery."

Women, too, should note the rearrangement of their program index.

chanting in unison to the clapping and stamping: "We—want—goody—goody—girl. We—want—goody—girl."

McManus bowed, swept back the curtain and beckoned Lois forward. She advanced with lighted face and shining eyes and he slipped across to the accompanist and spoke to him quickly. The youth nodded and began to play.

"Say the word, miss, and you've got a job," said McManus when at last the audience let her go. "That old-fashioned stuff got 'em, just like I said it would. Your name is picked for you. Goody-goody-girl. We'll bill you as that, you dress the part . . . little, simple, old-time girl, you know . . . give them the songs they used to hear . . . nothing to it . . . you'll knock 'em out of their chairs."

"I'll have to think it over," said Lois. "Don't take too long, miss. The public has a very short memory. You'll not be likely ever to find another chance for you ready-made like this one."

Lois did not mention the offer when she again was seated at the table, running a gamut of congratulations from not only Jermin, Becker and Mrs. Gayton but from those who called out to her from adjoining tables.

"Who was it started that goody-goody girl thing?" Jermin asked after a bit. Lois flushed angrily. "An unspeakable cad from back home. Let's not speak of it."

**HERBIE COLES** was not so easily driven from her thoughts, however. A vision of him in their school days, a self-satisfied little prig, rushing to pour into the teacher's ears gossip of what his mates had said and done, rose before her. It was not likely he was any different now. Once a tattletale, always one. He would talk when he got back home. Oh, how he would talk. It was not difficult to picture the uplifted hands, to hear the gabbling tongues, in narrow, straight-laced little

cable little beast and his being there last night and recognizing me means that I'm done for so far as going home again is concerned. I antagonized him once, the night I ran away, and now—I've got to tell you all about it. I've got to come to a decision as to what I'm going to do pretty soon. I can't keep on sponging off you indefinitely. I must go to work."

She poured out the story, Mrs. Gayton listening in that same sympathetic way that had so won her on the train.

"I'll speak to Victor Jermin again about your singing," she promised. "Meanwhile, let's not change our plans. Go ahead, have a good time, get your fill and forget this other for a time. Would you like to go to the horse races at Aurora this afternoon? Neil has a tip on what he calls a sleeper, a horse that he thinks will win one of the races. He expects to win a lot of money."

"I wish I could do that—win a lot of money," said Lois wistfully. "Then I wouldn't have to worry about whether I went back to Paradise or not."

They drove the thirty-eight miles to Aurora in the sleek, shining Hmousine. Becker had badges which admitted them to the paddock and there they went to watch the saddling of the horses in the first race. There, too, they ran into Raymond Lancaster, who treated Lois with a formality and indifference that puzzled and hurt her.

She had an idea it was because of the unfriendliness between him and Neil Becker which Mrs. Gayton had mentioned. They spoke to each other stiffly and when their glances met Lois got an impression again of drawn swords flashing just as she had a couple of nights before at the club.

"What horse do you like in the big race?" she asked breaking one of the silences which enveloped the four of them.

Becker laughed nastily and Lancaster flashed him a look that she found it hard to interpret. Then he shrugged and answered her question. "My likes and dislikes around a race track seldom seem to have any effect on the results of a race," he said with a forced smile. "I don't study form, I don't listen to tips. I bet on a horse because I take a fancy to him, or get a hunch, or because he carries number three or seven or eleven. I'm superstitious—"

"Yes, I know," she interrupted. "I remember what you said about a four-leaved clover that day—"

"Sometimes when I think I'm lucky I'm not," he went on. "The best of omens don't always pan out. So the horse I've picked as the winner of the big race today probably isn't worth a second thought. It's Sombrero—because I dreamed of a hat last night."

Becker laughed outright. "Sombrero, eh? You're right about his not being worth a second thought. Longest shot in the race. Just in there for a gallop, that's all. I'll give you a little tip, Lancaster. Skylark. That's the winner. Put a little wager on him and break your notorious losing streak."

"Thanks, but I shall stick to my hunch. I've put all I care to risk on Sombrero's nose. Well, there's the bugle calling the horses to the post for this race. I'll be off."

He raised his hat, bowed and walked away in the direction of the grandstand. Later, scanning the crowd between races, Lois saw him with a girl she had no difficulty in identifying as the one that Mrs. Gayton had called a "little pink-and-gold creature" who had been his companion in the cabaret.

**TIME** for the big race came at last. Becker took them to the pavilion under the grandstand for a look at the madly jostling, pushing, pulling throng storming the windows where poker-faced cashiers swiftly, deftly, took the last minute wagers of those who had been slow in making up their minds.

The fever infected Lois. She opened her purse and took a ten dollar bill off the thin roll which represented every cent she had in the world. "I'm going to bet this," she said excitedly. "Where do I go to put it up?"

Mrs. Gayton opened her mouth as if to protest, closed it again when Becker

(Continued on page 27)

## JACK LITTLE INTERVIEW

(Continued from page 4)  
 university I had to get a job of some kind and went to Denver. There I had my first professional experience playing the piano for the city band. It was my first money as a musician. Yvette Rubel came to Denver. She needed an accompanist and I continued with her to New York in that capacity.

"What happened in New York?"  
**His Greatest Thrill**  
 "My greatest thrill. I'll never forget it, as long as I live. Somehow I signed up for the Shubert Sunday concerts at the Central theater and when I saw the bill there was my name in seventh place, right after Eva Tanguay!"

"Kind of stunned you, what?" observed Mr. Horowitz, with a twinkle. "Were you too scared to play, boy?"  
 "I played like a son of a gun. Wish I could play like that now. I was in a seventh heaven, a delirious ecstasy."

Mr. Berman picked up the nickels and Jack dealt.  
 "You were made, I presume," said I. "No more chasing around to the agents."

**Starts Writing Own Songs**  
 "Two years on Keiths right away," sorting the cards with his "dizzy" fingers. "And then I got to writing my own songs. That brought me to Henry Waterson of Waterson, Berlin & Snyder. The next step was broadcasting. My first song on the air was 'Jealous.' It was a success. This was followed by the answer song, 'Because They All Love You.'"

"Did the fans begin writing?"  
 "I had stage fright—never saw so many letters. Never dreamed so many people could have been hearing me who would bother to write. Talk about your audiences—no auditorium in the world can compare to the seating capacity of a Radio 'house.' Why, everybody admits it was the Radio that put 'Jealous' over. I'll raise that, Willie."

"Listen to the miracle man—thinks he can raise a straight flush!"

**Biggest Mail at WHO, Des Moines**  
 "What's the biggest mail you ever got?"  
 "At Des Moines, Iowa, I was on the air for a total of eight hours over WHO during five days and the mail that came directly in response to that broadcast amounted to 105,000 pieces."

"Are the messages all complimentary?"  
 "Practically. A friend of mine wrote from Denver when I was broadcasting from WOA-W at Omaha and said he didn't like my 'Ting-a-ling' and I read his letter to the fans. If I had attempted to answer all the letters that came back in reply to my Denver critic I would be reading them yet. Some of the writers, instead of saying 'Yours truly,' would sign their letters 'Ting-a-ling.'"

"How do you get your ideas for songs?"  
 "That's hard to tell. I am always thinking about something new for a refrain and then it comes to me all at once; maybe when I wake up in the morning or just while I am walking along the street. . . ."

"Now if I had had the queen of hearts—"  
 "Mr. Berman took the nickels again, and Jack showed what he could have done with the queen of hearts."

"I understand you have a very capable queen of hearts. Let's hear about the romance—"  
 "persisting in my interview."

"That's out. My wife never was a professional woman."

**Wife Is Albany Girl**  
 "But the fans would like to know something about it. Who? How come? When and where?"

For a moment Jack betrayed the married-man look. Then he was himself and swung one abbreviated leg over the arm of his easy chair.

"She's an Albany girl. Her name was Tea Hellman and I met her at a theater party in New York when she was there for a visit to her grandfather. We just naturally—well you know how it is—we just—just commenced going around together and—that's all there was to it. We got married."

Earlier in the evening it had been my intention to meet Jack at a farewell program given in his honor by WENR of the All American Radio corporation, but the publicity man had erroneously directed me to the station studio which is in the western outskirts of the city. Mr. Little was broadcasting in the studio located in the Kimball building in the loop. By the time I had returned the program was over. However, he now consented to return to the Kimball studio the next day in order that I might take a couple of pictures of him in the studio surroundings.

We met there at 1 o'clock. Jack was announced to the Radio audience.

**Jack Is "Shot"**

"Here 'tis!" That's his phrase for announcing his own numbers. I stood eight feet away with a flash lamp in my hand and in the quiet of the soundproof studio I could barely distinguish his voice. He sang, but what he sang I could not make out for his face was so close to the microphone he seemed to be whispering. He would look up and smile as though he were crooning into the ear of a sweetheart. I indicated that I was ready to flash and motioned for him to hold steady for a second.

"Pardon me a moment, friends, I am about to be shot." This I caught distinctly

as his hands paused on the piano keys. I fired the flash—just a slight puff—and he went on:

"Did you hear it? I was shot by a photographer—snap-shot flashlight. You know it is better sometimes to be shot than just half shot!" And then he wandered off dreamily into another song. I took a second picture of him as he answered some of the fan letters from a pile on a desk where there was a microphone.

Now you fans who have written so many letters to Radio Digest for information about Jack Little—you have his life story and a little of his personality. He went down on the street with me after the pictures were taken—on his way to the Brunswick shop—well maybe he will or did, he didn't say—but I just wanted to tell you that the hat and cap makers are making nothing off Jack Little. Oh yes, and he said that he had cleaned up after I left the night before. He didn't know whether to blame me or credit Mrs. Little who came in afterward with Mrs. Horowitz and joined the game. Jack will have tea around southern and extreme western stations this winter.

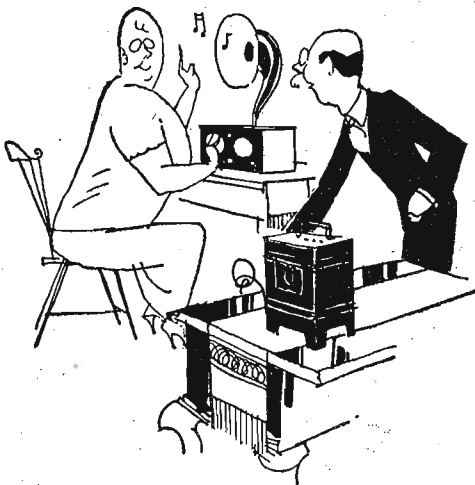
## The Reader's View

**A Brickbat for Wave Jumpers**  
 We wish to agree with your editorial of October 1. We have been a regular subscriber of the Radio Digest for about two years and consider it the best Radio magazine because you fearlessly attack the problems that are of listeners' interest. It seems to us that Iowa is the worst cursed with stations dealing wave lengths. KOIL often comes in about WGN; KTNT just about at WJAZ. This spoiled WBZ whose programs are always specially appreciated here. KOIL and KSO broadcast just above the Wrigley Building. This belongs to PWX and Canadian stations. KMA and KFNF spoil KFI and WCAE. The new Labor station at Chicago spoils WEAF. "Old Trusty," KMMG has been found several places, generally where they do not belong. We have also noticed on several other of the principal stations that there are whistles indicating stations at a greater distance using the same wave lengths. However, the stations named are so near here that they all come in loud and

blanket the stations to whom their respective lengths belong. Moreover, stations which do not put out high grade programs are the above named and they carry their advertising features to the extreme. This is especially true of the Shenandoah stations, which make long talks describing the products they are selling and urging the purchase thereof.

The larger stations are giving fine programs and developing and catering to the taste for better music. I have written to some of these stations who are jumping wave lengths but never get a reply. The Muscatine man is the wildest I have ever heard. He advocated that the chain stations, that is WEAF, WJZ and affiliated stations be required to all use the same wave length. You can imagine the programs given by a man who advocates such an absurd proposition.

You should keep pounding on this proposition and urge listeners to take the matter up personally with their respective Congressmen and Senators, so that the first law which Congress enacts may be one giving plenary powers to Mr. Hoover or a commission to regulate the wave lengths.—P. B. G., Mt. Pleasant, Ia.



# No tears in these tunes!

Unless, perchance, they're tears of joy. For there's only unalloyed pleasure in a set kept at its lively best with a Rectigon. Your batteries are charged with ease and convenience. But more than solid comfort—there's no costly grief. You'll shed no agonizing tears because of spoiled furnishings, ruined clothes. You can do your charging wherever you wish. There's nothing in a Rectigon to spill or burn. No acids, no chemicals—and no moving parts.

when you do your own charging with

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**No noise as it charges**—not a bit of fuss. Not even a murmur that would disturb the mildest slumber.



**Saves its cost in short order**—Count the dollars spent in a few trips to the service station and you'll hotfoot it for a Rectigon, for the good it does your pocketbook as well as your batteries.



**Snaps on in an instant**—Just plug into the light socket, snap on the terminals. Saves service station bother. Spares interruptions caused by absent batteries.



**Charges both "A" and "B" batteries**—Keeps both packed with power. Bulb is used for "B" battery charging and it is enclosed, like all other parts, in metal, safe from accident. (Rectigon charges automobile batteries, too.)



**Perfect safety for your set**—If you tune in while you're charging there'll be no harm either to set or batteries. Nor will batteries be discharged if anything happens to the current while your Rectigon's attached.



THE RECTIGON'S a superb Westinghouse product. Things you *can't* see, like extra heavy insulation, things you *can* see, like the durably enameled case—all are of highest quality. Westinghouse also manufactures a complete line of radio instruments, and Micarta panels and tubes.

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No Storage Battery Radio is Complete Without a Rectigon

## CABLED FASHIONS OF KOA PLEASE WOMEN

### STATIONS OFFER ATTRACTIVE THINGS FOR LADIES

Woman's Editor at WMAQ—KPO Gives "Household Hour"—Eastern Fan Tells of Her Reducing

The Rue de la Paix is coming through the air to Denver and the West. A new note in programs of interest to women is struck through the cooperation of the May company and KOA, Denver's internationally known station. Three times a week, Tuesday, Thursday and Friday, for several months "May Marie" gives a fashion talk. The young lady makes an entirely new presentation in that she personally conducts her great unseen audience into the stellers and salons of the style creators. The trip is made graphically realistic by the cabled last minute news of the observers at the showings, the fashion staff from the May company's Paris office.

The invitation is extended to write May Marie, care the May company, Denver, any question regarding style.

Whether it's on beauty, cooking, fashions or "how to hold your husband," every woman likes to know she is listening to an authority. So in arranging a program exclusively for the women listeners of WMAQ, Matilde Len, editor of the woman's page of the Chicago Daily News, is depending upon experts. Every Friday at 4:15 p. m. Central time she is presenting a program without thought of mere man. The first ten minutes is devoted to a talk by some well-known authority on a subject of interest to women. During the second ten minutes Miss Len conducts a "question box," giving personal replies to questions that have been sent in.

How to achieve delightful results in the home garden is being told over the station each Tuesday afternoon at 4:15 by James H. Burdett, garden editor. The first ten minutes of the Garden club program are devoted to a timely talk on some feature of the garden, and the second ten minutes to discussion and answers to questions.

A "Household Hour" has been launched by Station KPO, San Francisco, going on the air daily, except Sunday, at 10 a. m. Belle De Graf, one of the best-known home economics experts in the West and author of a cook book bearing her name, is featured. Betty Crocker's cooking school and numerous other programs of special interest to women are given.

She isn't "five-foot-two, with eyes of blue," but she is five-foot-four, has four children and confesses to being thirty-four. She weighed 148 pounds—"too fat for her vanity." The prescription this Washington, D. C., woman wrote for herself was fifteen minutes a day under Arthur Bagley, Radio exercise director of the Metropolitan Life Insurance company, whose tower health exercises are broadcast daily from the tower at Mad-

## SHE BUILDS LADIES' PROGRAMS AT WBAL



HERE is the latest addition to WBAL's staff. Margaret Cobb, a former newspaper woman of Baltimore, has just been appointed one of Baltimore's superpower station's program supervisors. Mrs. Cobb will have specific charge of all the women's features and in addition will assist Lady Baltimore broadcast musical appreciation programs, Mrs. Cobb providing the piano music incidental to these particular programs. Mrs. Cobb is what the fortune tellers would call a "heart," being more light than dark. She has brown wavy hair (bobbed, of course), deep blue eyes, fair skin and dimples in both cheeks.

son Square, New York, through WEAF, WBEI, WCAP and WGR.

"I started in with a will and before I knew it I weighed 130 pounds," she writes. "So, thinking I was beautiful then, and plenty slender enough for my height, I quit taking the exercises. But I do take them occasionally, if I have the time, which isn't very plentiful with four children to care for. But I never fail to listen to the entire hour, which, to my thinking is the most entertaining thing that comes over the Radio."

In spite of the fact that the average Radio listener prefers the male announcer to the female announcer, Rosaline Greene, until a few months ago leading woman with the WGY Players, was declared the winner of the perfect voice contest at the Radio World's Fair, held recently in Madison Square Garden, New York. Miss Greene was graduated last June from the New York State College for Teachers and was preparing to take a job at teaching. Now along comes authoritative recognition of her vocal qualifications and it is more than likely that she will hold the attention of an air full, instead of a room full, of people.

## SHORT WAVES

By Marcella

(Continued from page 2)

May is tall and willowy; June is short and petite. Elsie May Look, same station, is unmarried, a young thing, but bashful about her age. She is quite in love with her art, singing and playing the organ. Oh she enjoys other things such as golf, dancing and swimming. Her hair and eyes are brown. As to the wives of Ford and Glenn, Ford's better half makes no claims to musical talent but Mrs. Glenn Rowe sings.

Peg writes from Cincinnati: "I've always found your column informative but feel it my duty to correct your statement about Louis John Johnen, WLW's announcer, being the 'only eligible' bachelor among Cincinnati's Radio men. May I point out Paul A. Greene, manager and announcer for WSAI, although once a married man, is now a bachelor by choice. He's

26, handsome, five feet ten, weighs about 155 pounds, a brunette, an aviator, plays golf and is a typical out-of-doors man, isn't a tenor, is a native of Texas and has a beautiful Southern voice, properly attuned to Northern conditions, and the eyes—I've forgotten the color if I've ever been that close! But I do know that all the girls are wild about him, but he'll have nothing to do with them—I mean, as Lorelei Lee, in Gentlemen Prefer Blondes, would say—seriously."

Apropos of this Mr. Johnen writes: "I just passed twenty-eight, and so long as I am on the bright side of thirty and 'unhooked' I don't mind giving my right age. The great disappointment of my life is not that I am still heart-whole and fancy-free, but that when people come to the studio they invariably say, 'You look so different from what we expected you to look.' The nice ones picture me as distinguished and foreign-looking; the other kind as being fat and roly-poly. Neither of them is correct, as Mother (rather my 'sweet mama') says I strike a happy medium."

J. V. and R. H.: Announcer H. H. at WAAW has hazel eyes, black hair, is 5 feet 6 inches tall, 26 years old, still single, and weighs 165 pounds, which ballast makes him slide nicely when he plays at his favorite sport—baseball. He admits having a "nice" first name—Harold—and passing acquaintances call him Mr. Hosford.

Jerry Sullivan is now announcer for WSBC, Chicago.

Now that Abe Lyman, famous California dance bandmaster, is back from his Eastern studio storming tour, music from Cocanut Grove in the Los Angeles Ambassador Hotel will gladden the ears

of listeners to KNX. Abe has large investments in California realty and is interested in notes other than those found on sheet music.

Anita Valentia, Granite City, Ill.: That Voice of St. Louis you hear coming in from the southwest over the KMOX wave emanates from the throat of George Junkin, director-announcer of the station. We have a breezy and very interesting story from Byrne Marconnier (wonder if he is Marconnier than Marconi himself?) relative to Mr. Junkin but lack space to print it in full. He says: "George Junkin is an aesthete with a good rock bottom foundation of tendencies which embrace aviation, The Little Theater, agriculture and various he-man interests that go to make up a well rounded personality." Chat about the cottage at St. Charles, speeding car, Junkin Jr. bee-ootiful child, traffic cop and then—"There is a coffee shop in the Mayfair Hotel where the KMOX studios are located and smiling attendants of the feminine persuasion fulfill his every desire, for George is a Sheik. Such a Sheik that formerly he shared screen honors with Peggy Hyland, Shirley Mason, Madge Kennedy and others prominent in the motion picture firmament." But George met his fate in St. Louis where he thinks wife, son, home and broadcasting are the best things in life.



Well, "Bud," you squander no words. Lombardo's Orchestra is already back at WTAM as you must know, and if you'll give me the real names of "Goldy and Dusty" I'll be glad to inform a waiting world. Austin Wylie's back at the old stand, too. The Silver Masked Tenor is still masked, Jack Little is hitting South and West this autumn. And me? Why, Bud, I'm just Marcella. You-Silly!

In answer to several inquiries as to who and what of O. D. Temple at WOAW: O. D. does not stand for Olive Drab but Royal Blue, meaning that he has been singing variously from blues to the semi-classical and is sometimes announced as the "Singing Barber." He bobs the beauties and then sings for them on the Radio. In spite of that he remains unattached. He is a natty dresser, square clean-cut features with a short curly black mustache, black eyes and black hair. Looks to be about 26.

"Blue Eyed": Jack Todd, popular KMA tenor, is single, 26, 5 feet 3 inches tall, has blue eyes and light brown hair, weighs 115 pounds, and does cartoons during his spare time. His home is Shandoah, Iowa.

Frevens Sake! Gladycy of Wichita Falls how do you all reckon I'm going to find out all those birthdays? But it's sweet of you to want to give them presents. Fred L. Jeske said his birthday comes Nov. 1, and Jack Little told me he was born May 28, 1901. Jack hasn't given me his itinerary but I am told he plans to swing around through the South and of course he'll hit the Texas oil section in your neighborhood and then out to the West

## WOMAN'S PROGRAM INDEX

- ### Household Economics, Women's Hour, Etc.
- (Daily Unless Indicated—Time, Local Standard)
- A. M.**  
 9:30 WWJ (352.7m-850kc), Tonight's dinner.  
 9:45 WBCN (266m-1130kc), Home service program.  
 9:55 KSAC (340.7m-880kc), Nov. 1-4, "Budgets," Nov. 8-11, "Family Relationships."  
 WOI (270m-1110kc), Homemakers' hour.  
 10 KCW (491.5m-610kc), Household helps.  
 WMCA (340.7m-880kc), Homemakers' club, Tuesday.  
 WOI (270m-1110kc), Homemakers' half hour, Tuesday, Thursday.  
 10:15 KDKA (309.1m-970kc), Homemakers' chats, Tuesday, Friday.  
 10:30 KNX (336.9m-890kc), Household economics, period.  
 10:35 KYW (535.4m-560kc), Table talk.  
 10:45 WCCO (416.4m-720kc), WDAF (365.6m-820kc), KDKA (309.1m-970kc), KPO (428.3m-700kc), Betty Crocker's home service talk, Monday, Wednesday, Friday.  
 11 WOJ (447.5m-670kc), Home economics.  
 WTAM (389.4m-770kc), Betty Crocker's home service talk, Monday, Wednesday, Friday.  
 11:10 WEAQ (293.9m-1020kc), Homemaker's period.  
 11:15 KMOX (280.2m-1070kc), Cooking, household hints.  
 11:30 WGN (302.8m-990kc), Home management period.  
 12 n. WSOE (245.8m-1220kc), Ladies' hour, Monday.  
**P. M.**  
 12:40 WTAG (545.1m-550kc), Lyda Flanders, Friday.  
 1:15 KOIL (305.9m-980kc), Shopper's aid.  
 1:30 KFNF (461.3m-650kc), Women's hour.  
 2 WCCO (416.4m-720kc), Women's hour, Wednesday, Friday.  
 WSOE (246m-1220kc), Cooking chats, Monday.  
 WEBB (365.6m-820kc), Ladies' hour, Monday, Wednesday, Friday.  
 2:15 WHO (526m-570kc), Recipes, household hints, Tuesday.  
 2:45 KFNF (461.3m-650kc), Ladies' hour, Monday, Tuesday, Thursday, Friday.

- P. M.**  
 3 WIP (508.2m-590kc), Market hints for housewives, menus, Monday, Tuesday, Friday.  
 WIZ (454.3m-660kc), Your daily menu.  
 WOJ (447.5m-670kc), Home economics, Nov. 1, "Menus for the Two-Year-Old," Nov. 2, "More Meals That Have to Wait," "School Luncheons," Nov. 3, "Can You Make Good Croquettes?" Nov. 4, "A Paper Wedding Anniversary—Second," Nov. 5, "Vegetable Casserole Dishes," "Bowl of Leftover Batter," "Party Suggestions."  
 3:30 KMOX (280.2m-1070kc), Housewives' hour.  
 KOA (322.4m-930kc), Housewives' matinee, Tuesday, Thursday, Friday.  
 WLS (344.6m-870kc), Housewives' hour.  
 4 KGO (361.2m-830kc), Hints for housekeepers, Wednesday.  
 4:15 KYW (535.4m-560kc), Meat talk, John Cutting, Monday.  
 WMAQ (447.5m-670kc), Mothers in council, Wednesday.  
 4:30 KOA (322.4m-930kc), Question box, culinary hints, Tuesday, Thursday, Friday.  
 WLW (422.3m-710kc), Cooking school, Wednesday.  
 7:30 KOB (348.6m-860kc), Housekeeper's chat, Monday.
- ### "Aunt Sammy"
- (Daily Unless Indicated—Time, Local Standard)
- A. M.**  
 9:50 WMC (499.7m-600kc), Monday, Thursday.  
 10 WGBS (315.6m-950kc), Monday.  
 10:10 KPO (428.3m-700kc).  
 10:15 KFOA (454.3m-660kc).  
 10:30 WCSH (256.3m-1170kc), WHO (526m-570kc).  
 11 WEAQ (293.9m-1020kc).  
 12 n. KWVG (277.6m-1080kc), Monday, Wednesday, Friday; WRVA (256m-1170kc), Wednesday.  
**P. M.**  
 12:30 KFAU (280.2m-1070kc).  
 12:45 WDAF (365.6m-820kc).  
 1 KSL (299.8m-1000kc).  
 2 KMA (461.3m-650kc).  
 2:30 WHK (272.6m-950kc).  
 3 WOC (483.6m-620kc).  
 4 KFNF (461.3m-650kc), Tuesday, Thursday, Friday.  
 WOS (440.9m-680kc).

- P. M.**  
 6 WDRO (239.9m-1250kc).  
 7:30 KFDF (272.6m-1100kc), Wednesday or Thursday.
- ### Women's Clubs
- (Daily Unless Indicated—Time, Local Standard)
- A. M.**  
 10 WOI (270m-1110kc), Federated Women's club, Wednesday.  
 10:30 WNAAC (430.1m-697kc), Women's club.  
 11 WHT (399.8m-750kc), Jean Sargent's Women's club.  
**P. M.**  
 1:30 WCCO (416.4m-720kc), Women's Republican club, Nov. 8.  
 2 WCCO (416.4m-720kc), Women's Republican club, Nov. 1.  
 3 WGN (302.8m-990kc), Woman's club.  
 3:05 WCCO (416.4m-720kc), Minnesota Federation of Women's clubs, Nov. 1.  
 4:15 WMAQ (447.5m-670kc), Illinois Federation of Women's clubs, Thursday.
- ### Fashions and Sewing
- (Daily Unless Indicated—Time, Local Standard)
- A. M.**  
 10:35 KPO (428.3m-700kc), Fashion critic.  
 11:30 WJO (447.5m-670kc), Style talk.  
**P. M.**  
 4:45 KOA (322.4m-930kc), Fashion review, Tuesday, Thursday, Friday.  
 6:45 WPG (299.8m-1000kc), Fashion flashes, Tuesday.  
 7:45 WCCO (416.4m-720kc), Jeanne Gray.
- ### Health and Beauty
- (Daily Unless Indicated—Time, Local Standard)
- A. M.**  
 10 WGN (302.8m-990kc), Good health and training.

- A. M.**  
 10:45 WTAM (389.4m-770kc), Tuesday.  
 11 WOI (447.5m-670kc), Nov. 2, "Common Colds," Nov. 3, "Prevention of Old Age Diseases."  
**P. M.**  
 12:40 WTAG (545.1m-550kc), Marjorie Woodman, Monday, Thursday.  
 8:30 WEAQ (293.9m-1020kc), Nov. 4, "The Heart," Nov. 11, "The College of Medicine Clinic."
- ### Garden Talks
- (Daily Unless Indicated—Time, Local Standard)
- A. M.**  
 11 WJO (447.5m-670kc), Nov. 1, "May Flowering Tulips."  
**P. M.**  
 12:20 WGBF (236.1m-1270kc), Garden talk.  
 4:15 WMAQ (447.5m-670kc), Garden club, Tuesday.
- ### Child Care; Training
- (Daily Unless Indicated—Time, Local Standard)
- A. M.**  
 9:55 KSAC (340.7m-880kc), Myrtle Gungelman, WOI (270m-1110kc), "Some New Methods of Child Training," Dr. Lovissa Waggoner, Friday.
- ### Interior Decorating
- (Daily Unless Indicated—Time, Local Standard)
- P. M.**  
 4:15 WBBM (226m-1330kc), "Redecorating the Old House," Leone Grandland, Monday.  
 "Decorating the New House," Charlotte Voge, Thursday.

(Continued on page 12)

AN EVENING AT HOME WITH THE LISTENER IN IN CENTRAL TIME

Table listing radio stations by location and time slot. Columns include Call, Location, Met., Ke., Saturday, Sunday, Monday, Tuesday, Wednesday, Thursday, Friday.

STATIONS IN ORDER OF WAVE LENGTHS

Table listing radio stations in order of wave lengths. Columns include Meters, Call, Meters, Call, Meters, Call, Meters, Call, Meters, Call, Meters, Call.

SHORT WAVES

By Marcella

(Continued from page 11)

Coast. As to that "slippery Nate Caldwell" he's back at WBBM and probably you have tuned him in again by this time. As to the other questions you will have to give me a little more time. Why do you use quotations on "we women"? Oh, here's a note from Correll and Gosden: "Mr. Gosden's birthday is May 5 and Mr. Correll's is Feb. 3rd. Thanks for all the other nice things you've said about us. Please also give our best wishes to Mr. Rayner. We rode down to New York on the train with him when we attended the Radio Industries Banquet."

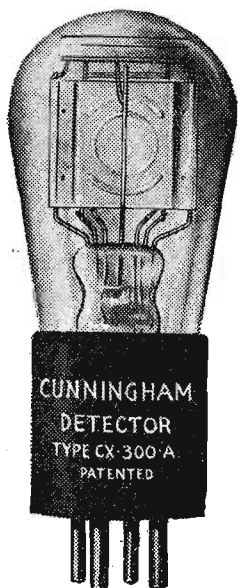
to California. But the best ones are still left. Ralph Freese, better known as R. F. has the physique of a varsity half-back and the face of a matinee idol. Single? Permanently, we fear. Absolutely immune. Modest possessor of five dimples and a second-hand Ford. Blue eyes, curly brown hair; big hearty laugh that throws off the antennae every time he lets it loose. Dancing divine—but he takes only his sister. Age 25. Beautiful tenor voice—lyric variety." I'll give you the rest of Margaret's interesting letter next time.

Inez of Mandan: Harry Fletcher of KFJM, Grand Forks, N. Dak., is one of those handsome brutes supposed to be irresistible; six feet, masculine as Adam, black hair, blue eyes and a smile that always lights up his face when he sings. He has been following a musical career for the past ten years, conducting his own orchestra for the past eight years. He enjoys out-door sports, hunting, fishing and baseball. At one time he had to make a decision whether to follow professional baseball or become a professional musician. Yep, and happily too with Harry Jr., just four and one-half months old.

What deep secret would you like to know about your favorite broadcast star? Drop me a note, girls and boys, and I'll do my best to answer here. MARCELLA.

Advertisement for 'New! RADIO CUNO REEL' featuring a gramophone and a speaker extension cord. Text includes 'Loud Speaker Extension Cord', 'You'll want one of these real conveniences.', 'Price, complete, postpaid . . . \$3.50', and 'The Cuno Engineering Corporation, 90 South Vine Street, Meriden, Connecticut.'

# New Tubes and Their Aides



**D**ESIGNED to increase the receiving efficiency of every receiver using five-volt tubes, the new Cunningham alkali vapor detector tube, shown above, has done more to increase sensitivity of receiving sets than any Radio tube development in recent years. Type CX-300A, specially made for service only as a detector tube, can be installed immediately in the detector socket of any receiver using storage battery tubes without any change in receiver design or without the addition of any apparatus.

In sensitivity, this new alkali vapor tube excels the best obtainable from Type CX-300—when Type CX-300 was operating with plate and filament voltage most critically adjusted. When using CX-300A delicate and critical adjustments are unnecessary as the tube attains high efficiency at any plate voltage between 22.5 and 45. The recommended plate voltage is 45 and the filament, of thoriated tungsten, consumes only one-fourth of an ampere at five volts.



**T**ELEVOVAL 201A is the first name of the above example of good tube making as practiced by the manufacturers, the Televoval Corporation, New York City. This tube is non-microphonic, and won't short any of its three elements, one with the other.

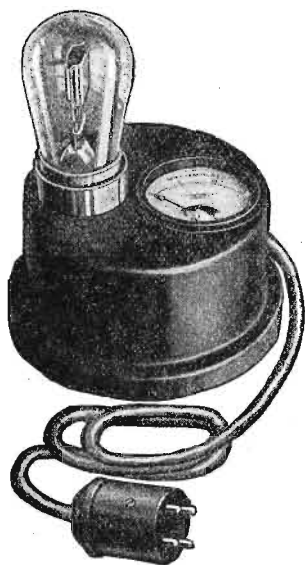
Televoval 201A's are sold in matched units, which have been tested, balanced and plainly marked for use in the radio frequency, detector or audio frequency stages.

**I**N THE past the testing of tubes has been considered as quite a complex operation but with the development of the Jewell Junior Tube Checker, above at right, this has been simplified so that a set owner can easily test his tubes at home. Comparative values of tubes can be established and the poor tubes detected and replaced.

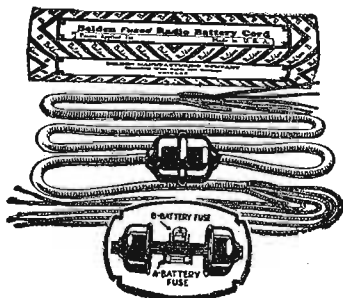
The Jewell Junior Tube Checker is equipped with a plug and cord so that the necessary voltages may be taken direct from any Radio set. The cord is equipped with a small size plug so that it may be used in sets equipped with UV-199 tubes. An adapter is also supplied so that the plug may be used in sets equipped with standard sockets.

A tube to be tested is placed in the socket of the tester and a reading taken on the milliammeter, which has a scale

reading to 15 milliamperes. This reading is with the grid connected to one terminal of the filament, which effectively establishes a definite grid bias. By pressing a push button on the instrument, the grid



is connected to the other side of the filament, thus changing the grid bias, and the resultant change in plate current is a definite measure of the value of the tube.



**A** NEW battery cord made by the Belden Manufacturing Company, of Chicago, includes fuses in both A and B battery circuits. Fuses are held in position by special clips mounted right on the cord, and are protected by a convenient shield of bakelite which opens in the center for examination and replacement of fuses, as shown in the illustration above. This unique cord provides protection against burned out tubes, damage to both A and B batteries, elimination of fire hazards, and does away with the unsightly mass of wires frequently used to connect batteries to the set. Individual conductors of the Belden fused battery cord are color coded for easy connection, and the ends of leads are dipped in solder to provide terminals suited for any kind of binding posts. The Belden fused battery cord is made in two sizes, a five conductor cord, and a seven conductor cord, the latter being designed for use on receivers requiring three or four B battery potentials.

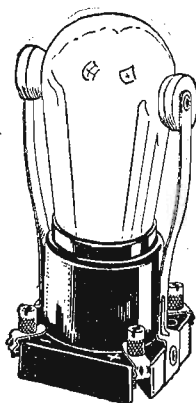


**A** SERIAL number guarantee protects buyers of the Supertron, shown above, and allows adjustment within thirty days of purchase. Another of the distinctive features of the Supertron line of tubes is that they are Isolantite insulated in their plate structures and bases.

Isolantite is one of the best insulators ever developed. Its dielectric strength is over 30,000 volts per millimeter of thickness; it withstands a crushing strength of 60,362 pounds per square inch, is immune to acids, flawless, non-porous and will not absorb moisture, and is second in hardness only to the diamond.

Supertrons may be had in the following styles: SX-201A, SX-199, SV-199 small, SV-199 large, SX-112, SX-120, SX HiMu, Supertheon half wave rectifier and Supertheon full wave rectifier.

**B**ELOW is the Universal B-T Silent Socket, detector style, with shock absorbing members which snub vibration away from the tube and save it from the shocks and jars that ruin reception. Recently a new UX type B-T Silent Socket was introduced to the market and has



found equal favor with its predecessor. Long, yielding spring surfaces make contact with the tube prongs, and these contact springs are connected by flexible leads with the socket binding posts. The new UX absorber socket is flexibly mounted, and although protected against shocks and jars, it cannot continue to vibrate.

**T**HE general purpose tube, type CX-301A, shown above at right, is the most popular and widely used type of all Cunningham Radio tubes. The high mutual conductance and low plate impedance of this model are responsible for its very high order of performance when used either as a radio frequency amplifier, audio frequency amplifier, or loud speaker supply tube of moderate output or detector. CX-301A is electrically the same as C-301A but it is mounted on the large C-standard base instead of the old type navy base. No change whatever in tube char-



acteristics was made when the new base was adopted. Compared with the C-301A of 1923, however, CX-301A has higher efficiency, resulting in improved performance. This increase in efficiency was gained through a twenty per cent increase in mutual conductance.

Many factors enter into tube quality and performance. Plate current and emission readings indicate merely that a tube is in operatable condition and give no indication that the values of mutual conductance, plate current, plate impedance, amplification constant, and input impedance are the most satisfactory from the standpoint of performance. The influence of tube input impedance on the tuning and selectivity of the radio frequency stages is an important factor not generally recognized. For maximum selectivity the tube input impedance should be extremely high.

## Bradleyohm-E PERFECT VARIABLE RESISTOR

*Endorsed by*  
**PHILCO**

PHILADELPHIA STORAGE BATTERY COMPANY  
PHILCO BATTERIES  
PHILADELPHIA, PA.

July 14, 1926.

ALLEN-BRADLEY CO.,  
Milwaukee, Wisconsin.

The Bradleyohms which we are using in Philco "B" and "AB" Socket Powers for voltage adjustment are very satisfactory. We have tested many variable resistors but have found no other unit equal to yours. We shall continue to use Bradleyohms in Philco Socket Powers during the coming season.

Yours very truly,  
*Walter E. Holland*  
Research Engineer.

**FOLLOW** the example of leading radio engineers and B-eliminator manufacturers by using Bradleyohm-E for your B-eliminator kit.

**ALLEN-BRADLEY CO.**  
290 Greenfield Ave.  
MILWAUKEE, WISCONSIN

A variable resistor component with a sliding contact and a terminal.

A rectangular battery with a label that says "PHILCO BATTERIES".

# Radio Digest

## Illustrated

Reg. U. S. Pat. Off. & Dom. of Canada

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No. 2

## An Ether Lane Broom

BECAUSE their programs were interfered with by another local station, which, incidentally, had taken the alleged interfering wave length immediately after the U. S. Attorney General had declared the ether "free for all," the Chicago Tribune station, WGN, and the Liberty Weekly station, WLIB, secured a temporary injunction against the operation of WGES.

We have maintained and pointed out in this column that such an action was possible and legal. We have repeatedly said that the 1912 Radio law, with its "malicious interference" clause and penalty, had ample teeth to snap viciously at many so-called "wave jumpers" and put many of them out of business—at least, out of business insofar as their chosen wave lengths are concerned.

We are not blindly classifying wave length changing stations as "pirates" and what not, for many of them have their side to the story. Much evidence can be introduced that would show how far favoritism and "prestige" went a year and several years ago when one sought a broadcasting wave length. And, since many of these stations were unable to get a place under the sun, despite their unquestioned ability to provide programs equal to and better than several more favored broadcasters, they have taken the Attorney General at his word and "jumped."

We believe the people should be the jury. If the interested parties, the invisible audience, sanctions the jump, the jump should be permitted and legalized. If a wave change causes trouble and the public complains, it would be wise for the changing station to find a better channel.

The public interest must be served, regardless of the wealth, votes, patents, prestige or influence wielded by any single station or chain of broadcasters.

We will not pass upon the merits of the WGES injunction. Suffice to say that thousands of listeners in the Chicago area had complained of trouble in their attempts to hear WGN and WLIB.

## Our National Intelligence

AT A large Radio exposition the lieutenant governor of a great and prosperous state recently addressed the multitudes. He carried a message to the people in which he said that due to the very great educational influences of Radio, the ten-year-old boy of today is as well educated as the average man was in days not long since past.

We hope that Radio is educating the youth, the middle aged and the aged alike. We trust that perhaps some of the things heard through the loud speaker will build an individuality of thinking among the masses.

How many outstanding persons do you know who do not parrot the opinions, do not mimic the actions of others? How many friends have you who really possess the courage of their own convictions? Are you one of the leaders—or do you follow the mob?

Until Barnumism and other forms of hokus fail to prove financially good investments, America cannot lay claim to a predominating reasoning class. But we have great hopes for Radio.

## Mr. Hoover Reverses a Stand

HERBERT HOOVER, Secretary of Commerce, has recently announced that he is opposed to both the White and Dill Radio bills in some respects. He calls attention to the fact that he now feels that the pioneering broadcasters should have some protection for their investments, which it is conservatively estimated, exceeds \$12,000,000.

We pointed out the matter of property rights to Mr. Hoover and the wide world some time ago, long before the two Radio bills clashed together last spring in Senate and House. We do not wish to seem lacking in modesty in making this assertion.

Furthermore, we doubt if we were the largest force moving Mr. Hoover to bring up this subject of property rights. We reserve our idea, and commend Mr. Hoover for this logical step, regardless of its source of inspiration.

## RADIO INDI-GEST

### THE WATTLE

An Ode Inspired in Australia by 3LO There—It Has Nothing to Do with the "Wattle I Do" Song.

*In sober truth the blossoms speak their part  
As certainly as we of 3LO  
Each glimpse of golden glory that we seize,  
Each fragrance wafted on an idle breeze  
Is eloquent, more eloquent than words,  
To tell the truth (how little understood)  
Of beauty as a means and end to good.*

*So, wattles, bloom and gladden this our world  
If only for the fleeting days of Spring.  
We will remember through the Summer days  
Your golden message. Wattles, bloom again,  
Each wave from 3LO is charged to tell  
Our praise for beauty once again supplied  
In you, Australia's emblem and her pride.*

### Mr. Carlin Will Now Speak of Mr. McNamee

Dear Indi: Since Graham Cracker has withdrawn from your 1926 Tin Cup Award, please credit Phillips Car-line with one vote, as I seem to be in favor of chained announcers.

Say Indi, I wonder who put the "w" in ham? The 3rd Trombone Player said, "the University of Rochester, operating WHAM." Zat right?

And say the second, me and my partner went down to WRK, the Doron Brothers Electric Co., and asked Mr. Doron if he needed any studio directors. He got mad and kicked us out, 'cause he hasn't any studios. Hi-hi-hi!  
RHUBARB KIPLING

Greetings Mr. Kipling, we are most extinguished to meet you. Take a seat while we telegraph Hollywood. We shall see that WRK gets completely fitted up with an entire set of studios—with or without scandals attached.

### In Re Yours of Oct. 15

South Paw, my friend, don't tip your mit  
That I have told you this,  
But Quin was heard to read your quip  
And swear and curse and hiss.

BARBARA

### Well, Who Was It?

Fairice, Alaska.  
Edator Indi-gest: The awfullist thing has happened hear in Fairice that ever did happened. We had a Radio party and in the chorus of the party we turned onto the Radio to listen. "You Have Just Heard—" "You Will Now Be Entertained" and all those statements from the announcer but he wouldn't ever say where 'twas at. So we had a gessing contest and each one who was there had a chanct of three gesses to gess where it was we was lisstning at. Well, by 12 middnyte, which is 2wo A. M. back where we was lisstning to, we carryd out eighteen Eskimeauxes who were cleer gone from exhawstshun. The wurst of the whole matter was that at one of the places, who was broadcasting was making you gess who the artist was and also gess what he was singyng or fiddling, and on top of that we had to gess where he was. Always as ever, KITTLE DRUMMER

### Proving That the Offspring Didn't Know the Good Old Jokes

"Do they really pay you to be funny, dad?" asked the young son of a comedian after hearing his father on the radio.

"Yes, indeed, my boy," replied the great man.  
"Well, then," returned the lad, "why aren't you?"  
LONDON BOBBY

Al Jolson claims that the older they are, the quicker they stop the show; says that the audience has to know where to laugh. Maybe he's right. Guess I'll put laugh marks on the jokes in Indi-Gest hereafter. Hey, Bob! (He sets 'em up) What's a laugh mark look like?

### It'd Be Perfectly Killing

Dear Indi: China hasn't had a bank failure in 900 years as a result of a double decapitation during Hi Hung's reign nine centuries ago. Hi Hung ordered the beheading of the president and directors of a collapsed bank, says a reminiscent news item. How, dear Indi, would this remedy apply to heterodyning broadcasters who jump waves and make life horrible for listeners?  
J. E. R.

### The Lost Voice

(Go Into Trance Before Reading)

It's simply terrible, the way  
Announcers never want to stay  
Around the place where first we hear  
Their voices coming to our ear.

(Intermission: Gladycy has 2)

Just when we think they've found a roost  
That they will ever keep and boost,  
They get ideas they must stray  
To other stations far away.  
I've chased announcers through the air,  
I've lost them here, I've caught them there;  
I spend each hour (when I should rest)  
Hunting those whom I love best.

L'ENVOI

I hope they read this plea from me  
And stay right where they ought to be!

GLADYCE

Thanks, Glad—but what would Marcella say if she knew you had double-crossed her and were contributing to this infamous column? Just for that I'm going to tell your last name: Purser. Howzat?

### FRANQUE'S FILOSOFEE

"An injunction a day will keep the heterodyning stations away."  
INDI

## The Radio Expert



## Condensed BY DIELECTRIC

If you will permit me an opinion, I doubt that great choruses produce anywhere near the effect when heard broadcast as when listened to in an auditorium. This was especially true of the broadcasting of the oratorio of Elijah from the Sesquicentennial grounds, in Philadelphia, through Station WIP of that city. Few leaders are so competent to give this work its due as Henry Gordon Thunder, whose masterful direction of chorus and orchestra left nothing to be desired from one thoroughly familiar with the oratorio. The soloists were thoroughly capable of completing the picture. Had some announcers been in charge that evening surely the names of these soloists, a vivid word-picture of the scene and possibly other interesting data would have filled in more of the intermission and gratified uninformed auditors.

Don't expect me to miss an opportunity to dwell on the outstanding musical events of this the greatest musical season in the history of Radio broadcasting. Despite what has come since to your ears, there are few indeed who may not recall the playing of Albert Spaulding, foremost American violinist, during one of these treasure hours provided by Atwater Kent. The velvety richness of tones produced on the G string were but a part of the consummate art evinced at all times both as soloist and while presenting obligato accompaniment to the singing of Anna Case. Handel gained much from his touch.

If any of us worshipping, high-galleried standees, whose ambition was never to miss a concert by the Boston symphony orchestra, were to have been told that within ten years millions would be listening to its rendition of Beethoven's "Eroica"—sans hours standing in line, we would have awaited Chopin's Marche Funebre. But there it was, and with it the beautifully impressionistic Nocturnes of Debussy, interpreted with Slavic shadings yet executed by expert instrumentalists. Mr. Quinby should find no doubt in his mind as to the extent such generosity is appreciated, nor undervalue its contribution to musical education.

Whether the intention of the program director of Station WLW, Cincinnati, was to placate the advocates of the diversified program, or incite others to accept the same attitude, matters little so far as the result is concerned for an evening of unmixed pleasure. The light vocal numbers chosen were not of that order of insipid, meaningless jingles many consider the height of popular esteem. In them was choice humor, real pathos and romance uncheapered while set to melodies bearing repetition without straining one's spirit of toleration. That was the cry of the Society of C. A. P.: "Done to Death." A selection was played many times, by many bands, in many cities—in the same evening. Then Ted Williams' orchestra led the dancing.

Station WHO, Des Moines, entertains with dance music (at least some of its audience) and presents both vocal and instrumental soloists for the pleasure of listeners in. I was unhappy in finding certain singers on the air those evenings allotted by me for harkening to this station. They did not drive me to ecstasy, nor yet create an animosity to feed the soul of carping critics. What was noted, however, was the piano, which revealed none of the harrowing effects of too much misuse, and the accompanying that showed whoever performed that important role knew well how to do it.

**COMPLETE RULES OF GAME OF "WHOZIT"**

1. Radio Digest will sponsor a national game to be called the game of Whozit, which will be participated in by the following Radio broadcasting stations: WHT, Chicago; WMA, New York; WNAC, Boston; KJR, Seattle; WMAK, Buffalo; WIK, Cleveland; WEG, Atlantic City; WLW, Cincinnati; WJR, Detroit; WOOD, Grand Rapids, Mich.; WSOE, Milwaukee; CKY, Winnepeg; WMC, Memphis; WSM, Nashville; KTHS, Hot Springs, Ark.; KMOX, St. Louis, Mo.; WOC, Davenport; WHB, Kansas City; WOAW, Omaha; KOA, Denver; KFVB, Los Angeles; KPRC, Houston, Tex.; KVOO, Bristow, Okla.; WJAX, Jacksonville, Fla.

2. \$25,000 in prizes will be distributed to the successful contestants, as follows: Twenty-four first prizes \$500 in gold for each of the twenty-four stations; twenty-four \$300 merchandise orders for second prizes, and twenty-four \$200 in merchandise orders for third prizes. Grand prizes of \$1,000 in gold will be awarded to the individual judged to be the national DX (long distance) "Whozit" champion who has submitted the nearest work, identification and the nearest correct solution of the entire 384 portraits from all stations participating, and \$1,000 in gold for the individual who shall be judged to have submitted the nearest work entered in all of the twenty-four participating stations. The twenty-four station prizes will be divided and awarded on the following basis: 1st prize, \$500 in gold to the individual whose set of sixteen completed portraits is most nearly correct in the assembly of segments, identification of artists, and of the nearest workmanship; 2nd prize, \$300 in merchandise order to the individual whose completed sets are second best in order of correctness, identification and neatness; and 3rd prize, \$200 in merchandise order to the individual whose completed sets are third best in order of correctness, identification and neatness.

3. A board of judges at Radio Digest, 510 N. Dearborn St., Chicago, Ill., will pass on all the work submitted and award the prizes for all stations and the grand prizes. Its decisions will be final.

4. Everybody will be eligible to compete except employees (and their families) of Radio Digest or of any of the participating stations, included in Rule 1.

5. The game of Whozit will be free. It will not be necessary to be a subscriber to Radio Digest. Tracings of the pictures may be made at offices of Radio Digest in Chicago or New York or from the files in public libraries, or at the office of participating broadcasting stations. These with proper identifications may be submitted for the published pictures. All general information helpful to the solution of the game may be obtained from any of the offices of the broadcasting stations participating.

6. Conditions of the game: Beginning with the issue of November 15 and for eight consecutive issues Radio Digest will publish a series of forty-eight composite portraits in each number. These forty-eight portraits will comprise two representations each from the twenty-four broadcasting stations that participate. Each photograph will be intersected with white lines showing the forehead of one artist, the eyes of another, the nose and mouth of a third and the chin and neck of a fourth. Each segment of each composite photograph will bear a number. It will be necessary for each contestant to separate the various segments and reassemble them on a mount so that they are correctly aligned to complete the portrait of one of the original Radio artists of whom it was taken. Only complete sets are to be submitted. Each portrait must be identified in ten or more words; giving at least five facts about the original artist photographed.

7. Artists (or their representatives) whose fragmentary portraits appear on the "Whozit" pages of Radio Digest are to describe themselves by way of broadcasts from their home station when their respective pictures are published in Radio Digest. Such information as they give over the air is to be made available at the station in the event the listening contestant has failed to hear the individual when he broadcast.

8. In case of tie, prizes of identical value with those tied for will be awarded each tying contestant.

9. The contest will end at midnight, March 15, 1927. All sets submitted must be complete and must be mailed post paid to Whozit Contest Editor, Radio Digest, 510 North Dearborn St., Chicago, Ill., and must bear postmark not later than midnight of March 15, 1927.

10. Tubes should be regularly tested every eight months they are in use.

**FOOTBALL BROADCAST SCHEDULE**

The following stations will give football scores for all principal games and those of interest in their localities: KLX, KOA, KSD, KTHS, WBAP, WCCO, WDAF, WDBO, WEBH, WEEL, WFAA, WGN, WHAS, WHO, WJAX, WJJD, WLS, WMAQ, WMBF, WMC, WOAW, WOC and WTAM.

The games scheduled below will be broadcast direct from the football fields, play-by-play, by the stations listed in each case:

- Friday, November 5**  
**Texas Christian U.-Texas A. & M.** at College Station, WTAW (270.1m-1110kc).
- Saturday, November 6**  
**Chicago-Illinois** at Champaign, KYW (535.4m-560kc), WMAQ (447.5m-670kc).  
**Dayton-Cincinnati** at Cincinnati, WSAI (325.9m-920kc).  
**Harvard-Princeton** at Cambridge, WEAF (491.5m-610kc) and chain; WGY (379.5m-790kc); WBZ (333.1m-900kc), WJZ (454.3m-660kc).  
**Iowa-Minnesota** at Iowa City, WCCO (416.4m-720kc), WSUI (483.6m-620kc).  
**Iowa State-Drake** (freshmen) at Des Moines, WOI (270.1m-1110kc), WHO (526m-570kc).  
**Kansas-Grinnell** at Lawrence, KFKU (270.1m-1110kc).  
**Kansas State-Marquette U.** at Milwaukee, KSAC (340.7m-880kc), WHAD (275.1m-1090kc).  
**Michigan-Wisconsin** at Ann Arbor, WGN (370.2m-810kc), WWJ (352.7m-850kc).  
**Pennsylvania-Penn. State** at Philadelphia, WIP (508.2m-590kc).

**Purdue-Northwestern** at Evanston, WEBH (370.2m-810kc).  
**Vanderbilt-Georgia Tech** at Atlanta, WGST (270.1m-1110kc).

**Thursday, November 11**  
**Kansas-Oklahoma** at Lawrence, KFKU (275.1m-1110kc).

**Friday, November 12**  
**Rice Institute-Texas A. & M.** at College Station, WTAW (270.1m-1110kc).

- Saturday, November 13**  
**Butler-Minnesota** at Minneapolis, WCCO (416.4m-720kc).  
**Chicago-Northwestern** at Evanston, WGN (370.2m-810kc), WEBH (370.2m-810kc), WMAQ (447.5m-670kc).  
**Columbia-Pennsylvania** at Philadelphia, WIP (508.2m-590kc).  
**Georgia Tech-Georgia** at Atlanta, WGST (270.1m-1110kc).  
**Harvard-Brown** at Cambridge, WBZ (333.1m-900kc).  
**Iowa-Wisconsin** at Madison, WHA (535.4m-560kc).  
**Iowa State-Drake** at Ames, WOI (270.1m-1110kc).  
**Kansas Aggies-Nebraska** at Lincoln, KFAB (340.7m-880kc), KSAC (340.7m-880kc).  
**Michigan-Ohio State** at Columbus, WEAQ (293.9m-1020kc).  
**New Mexico-New Mexico State** at State College KOB (348.6m-860kc).  
**Washington-Oregon** at Pullman, KWSC (348.6m-860kc).  
**Wittenberg-Cincinnati** at Cincinnati, WSAI (325.9m-920kc).  
**Yale-Princeton** at Princeton, WEAF (491.5m-610kc) and chain, WGY (379.5m-790kc), WJZ (454.3m-660kc).

November 16-30 Football Broadcast Schedule in Second November Issue

and proceed again just as it has already been described to you.

**Neatness and Accuracy Important**  
 Suppose there are a number of persons who will send the correctly assembled portraits? Neatness and originality of arrangement are among the conditions to be considered by the judges. Each photo must be accompanied by an identification of ten or more words, which tells at least five things about the artist whose composite picture has been unscrambled and properly adjusted.

Fifteen days will be allowed after the last pages of Whozit pictures have been placed on the news stands by Radio Digest to enable Whoziteers to complete their sets and get them into the Radio Digest office.

Now you understand in a general way all about the game of Whozit. In nearby columns are shown the specific rules of the contest and also the list of stations and their respective prizes offered.

Capital prizes of \$1,000 cash will be paid by the Radio Digest magazine for the Whoziteer who sends in the greatest number of stations' Whozits correctly and neatly assembled (in all 384 will appear) and another \$1,000 cash will be awarded for the nearest and best appearing set of any single station.

And that's all till November 15. Get your set in order and oil your scissors.

**LODGE BUILDS FIRST "N" SET AND EXHIBITS**

Sir Oliver Proves It Is Incapable of "Blooming"

LONDON, England.—The first set embodying the famous non-oscillating "N" circuit, invented by Sir Oliver Lodge, to be constructed for commercial purposes has just been publicly demonstrated here. Two aeriols were erected side by side, and to each of these was connected a set tuned to the wave length of the high-power station at Daventry. Ordinarily the tuning of one receiver would have caused the familiar howls and bloopings in the other, but with the "N" receiver there was no sign of any interference.

The circuit is a simple one. Its essential feature is that it does not employ any regeneration of the ordinary kind. At the same time, the volume obtainable from a two-tube set is equal to, if not greater than, any ordinary two-tube set employing regeneration.

**HOW TO PLAY WHOZIT**

(Continued from page 3)

Little identifications as the artist tagged you. Now, out with the scissors and snip, snip, snip. Get the little segments together. Eureka! Your Whozit has become a real man or woman.

But, the chances are, before you have really had time to do any assembling the next artist from the same station has started in to tag you. So you listen, look

**THE TUBE WITH THE SENSIBLE GUARANTEE**



**Stop walking**

He "Please stop walking—I just missed the announcer—because your walking vibrates these tubes and I can't hear anything but 'noises.'"

She "But, dear, I must walk—We have no other means for conveying these dishes into the kitchen."

He "Pardon me, you're right, Honey, I didn't mean to speak so harshly—I guess I'll take Charlie's advice—your brother Charlie sure does know radio—You know, he had the same trouble—He tried all kinds of tubes without success—He even put sponge rubber under the sockets, but that did not prevent the tube elements from vibrating—So he went out and bought a set of those New Supertrons—They are internally re-enforced and rigid—Since then he and Maude dance and even Charleston without affecting reception."

She "Now ain't that grand—You better get some Supertrons now—Be sure they are Isolantited—You'll see the difference."

He "Alright, Honey—I won't take anything Just as Good this time. I'll insist on Supertron because they are guaranteed by serial number and if I'm not satisfied the dealer will replace or refund within 30 days—So long, Honey, will be back soon with Supertrons."

**All Types**

SX 201 A.....	\$2.00
SX 199 .....	2.25
SV 199 small.....	2.25
SV 199 large.....	2.25
SX 112 power.....	5.00
SX 120 power.....	2.50
SX 171 power.....	5.00
SX 200 detector.....	5.00
SX HiMu.....	3.00
SUPERTRON Half.....	4.00
SUPERTRON Full.....	5.00

In Canada slightly higher

**SUPERTRON MFG. CO., Inc., Hoboken, N. J.**  
 Chicago Office—30 N. Dearborn St.  
 Export Dept.—220 Broadway, New York City.

**SUPERTRON**  
 A SERIAL NUMBER GUARANTEE  
 The Foremost Independent Tube In America

Makers of METRALIGN Makers of METRALIGN

**The Perfect Tuning Unit!**



**METRALIGN**  
 SLT STRAIGHT LINE TUNING

METRALIGN SLT is the only condenser combining Straight Line Capacity, Straight Line Wave Length and Straight Line Frequency, eliminating the faults and retaining the advantages of each type—the result is a perfect tuning unit.

Makes Any Set a New Set—in 15 Minutes  
 Write today for FREE Condenser Booklet

**SHIELDING** Radios latest development to eliminate all interference and to clarify reception. Send for 40 page booklet on "Shielding," profusely illustrated and written by one of the world's foremost radio engineers. Price, post-paid, 50c.

Use Battery "Ga-Jit" to test your radio or auto batteries. Does away with messy, acid-spilling hydrometers. At your dealers or post-paid upon receipt of price, \$1.25.

**General Instrument Corp.**  
 477 BROADWAY NEW YORK, U.S.A.

METRALIGN Makers of METRALIGN

# CHICAGO CIVIC OPERA STARS IN WEDN

## HIGH LIGHTS OF THE AIR

**ETIQUETTE** over the air—is billed over KOA, Monday, "Social Customs Night," November 1. Following this feature a glossary to the French nobility will give advice to young girls who are going to be presented at the Court of St. James. A Court scene thrown against a background of old English airs will be dramatized by the KOA players. Carlton Bowman, baritone, and Ralph Freese, tenor, will be the soloists. A dance lesson, "The Carolina," given by Josephine Block, prominent dancing instructor, will conclude the evening's program.

Shenandoah celebrates the winning of the famous Gold Cup by Earl E. May, November 1, 2 and 3. The radio programs over KMA will include a talk by Governor Hammill of Iowa. The Southern Jubilee Singers will visit KMA especially for the occasion. Mr. May states that he will show the gold cup to visitors at the station and will also serve pancakes and maple syrup.

Chicago and surrounding territory will not have to tune in New York this winter in order to hear grand opera stars. Through the courtesy of Clarence E. Cramer, Chicago manager of famous musical artists, each Wednesday night from 7-8 p. m. Central time, Chicago Civic Opera members will take to the air over KYW.

Alms Peterson, soprano; Kathryn Browne, contralto; and William Rogerson, tenor, will give one program each month. Other famous stars

will appear on the other Wednesday evenings.

The stellar attraction of the Eastern football season will be broadcast Saturday, November 6, when the Harvard eleven meets the team of Princeton university at Cambridge at 2:30 p. m. The broadcast of this game will be made through a chain of stations originating at WBZ and continued through WJZ, WRC and WGY. "Jim" Murley, sports announcer of WBZ promises an exciting afternoon.

Exclusive Radio performances of four of the most famous light operas will be given in a joint broadcast from stations WLS and WMAQ. Each performance will bring a cast of thirty-three before the microphone. "Pirates of Penzance" will be given Friday, November 5, and "Mikado," Friday, November 12.

Armistice day will not be forgotten this year even though the listener is many miles out in the country. Every station plans an Armistice day program in keeping with the spirit of rejoicing which overtook the world eight years ago Thursday, November 11.

If you tune in WRVA, Friday, November 12, you will think you are back in grandfather's room. The Regina Music Box will entertain you; grandfather's clock will chime, and heart songs by Ye Olde Tyme Choir accompanied on the melodeon will complete the picture.

## Headliners, November 8

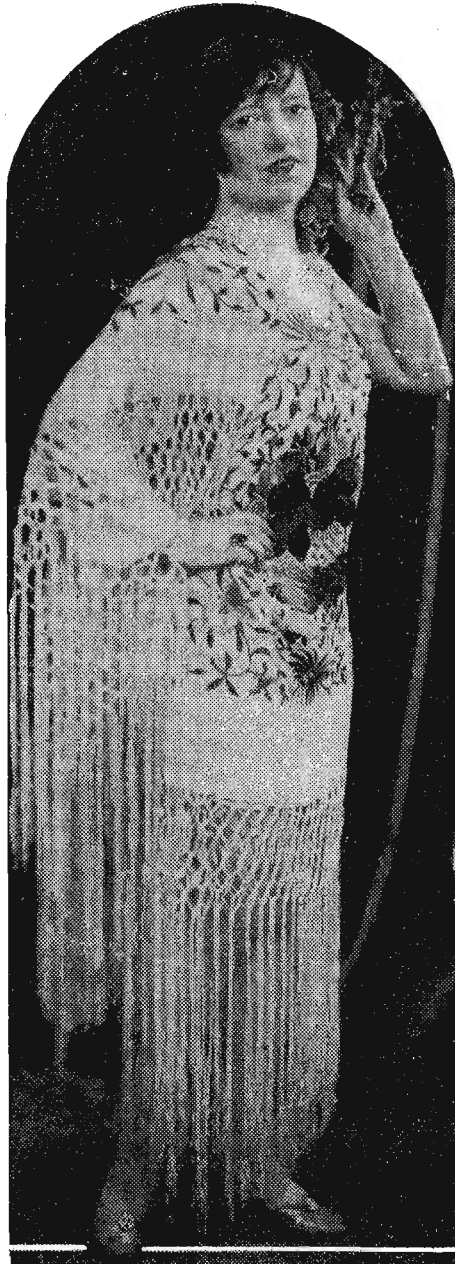
Eastern 7:30 p. m.	Central 6:30	Mountain 5:30	Pacific 4:30
WBZ (333.1m-900kc) "Why Farces Are Funny," Prof. Rogers.	7:45	6:45	5:45
KDKA (309.1m-970kc) "American Architecture in Retrospect," Homer Saint-Gaudens.	8	7	6
CHIC (356.9m-840kc) Amplion Little symphony orchestra.	8:15	7:15	6:15
KPNF (461.3m-650kc) Concert, Henry Field Seed company.	8:30	7:30	6:30
WCOA Pensacola, Fla. (252m-1190kc) John Frenkel.	8:45	7:45	6:45
WRVA (256.3m-1170kc) J. Harold Lawrence and his orchestra.	9	8	7
WBAP (475.9m-630kc) Song shop, Allene Patterson Duff.	9:15	8:15	7:15
WCOA Pensacola, Fla. (252m-1190kc) Max J. Heinberg, violinist.	9:30	8:30	7:30
WGHB (265.3m-1130kc) Old time songs, Mr. and Mrs. Charlie A. Waller.	9:45	8:45	7:45
KOIL (305.9m-980kc) Inner Circle Candy hour.	10	9	8
WCOA Pensacola, Fla. (252m-1190kc) Mrs. C. C. Webb, Mrs. Huxley Carter, vocalists.	10:15	9:15	8:15
WSM (282.8m-1060kc) Talk, Austin Peay Foster, assistant state archivist.	10:30	9:30	8:30
KPRC (299.8m-1000kc) Dr. Earle J. Shay, tenor.	10:45	9:45	8:45
WCOA Pensacola, Fla. (252m-1190kc) Rainbow dance orchestra.	11	10	9
WHAD (275.1m-1090kc) Mixed quartet, classical program.	11:15	10:15	9:15
WRVA (256.3m-1170kc) Debut party, "Royal Eight."	11:30	10:30	9:30
KOIL (305.9m-980kc) Play, "A Child Named John."	11:45	10:45	9:45
KPRC (299.8m-1000kc) Skyline studio concert.	12	11	10
KTHS (374.8m-800kc) Special request hour.	12:15	11:15	10:15
WEAF (491.5m-610kc) "Magic Flute," WCOA Grand Opera company, chain set Nov. 1.	12:30	11:30	10:30
KOIL (305.9m-980kc) Lillian Gill, pianist.	12:45	11:45	10:45
WCOA (252m-1190kc) Mt. Olive Jubilee singers.			
WGR (319m-940kc) Edna Zahm, soprano.			
WLW (422.3m-710kc) Real Silk Melody Makers and the Silken Maiden of the Orient.			
WSM (282.8m-1060kc) Spirituals, Fisk university.			
WTIC (475.9m-630kc) Plaut's Polyphonians.			
WRVA (256.3m-1170kc) Southern Darkies in spirituals.			
WMAQ (447.5m-670kc) Methodist Church choir.			
KOIL (305.9m-980kc) Lillian Gill, pianist.			
WCOA (252m-1190kc) Mt. Olive Jubilee singers.			
WGR (319m-940kc) Edna Zahm, soprano.			
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WTIC (475.9m-630kc) Plaut's Polyphonians.			
WRVA (256.3m-1170kc) Southern Darkies in spirituals.			
WMAQ (447.5m-670kc) Methodist Church choir.			

## Educational Features

Eastern 5:15 p. m.	Central 4:15	Mountain 3:15	Pacific 2:15
WMAQ (447.5m-670kc) Radiophon's Guide to Music.	6	5	4
WGN (302.8m-990kc) "Correct English."	6:30	5:30	4:30
WNVC (526m-570kc) Elementary German lessons, V. H. Berlitz.	7	6	5
WDAC (365.6m-820kc) School of the Air.	7:30	6:30	5:30
WNVC (526m-570kc) Advanced German lessons.	8	7	6
KSAC (491.5m-800kc) College of the Air.	8:15	7:15	6:15
WBZ (333.1m-970kc) "How the Theater Affects the Drama," Prof. Rogers, Mon, 8.	8:45	7:45	6:45
WCOA (252m-1190kc) "Breezy Arias," John E. Frenkel.	9	8	7
WEAF (491.5m-610kc) "Aida," WEA grand opera company, WJAR, WCCO, WCAE, WASH, KSD, WDAF, WSAI, WLIT.	9:15	8:15	7:15
WGN (302.8m-990kc) Eveready Little symphony orchestra; Elgar male quartet.	9:30	8:30	7:30
WBN (361.2m-830kc) Leverich symphony orchestra and "Peter the Great."	10:25	9:25	8:25
KOA (322.4m-930kc) Social customs night—presentation at court.	10:30	9:30	8:30
WBAP (475.9m-630kc) Crowley Old Time Fiddlers.	11	10	9
WMC (499.7m-600kc) Ray O Vac Twins.	11:30	10:30	9:30
KOIL (305.9m-980kc) Crosley Radio Corporation program.			
KTHS (374.8m-800kc) Natalie Arnoux, violinist.			
WSAI (325.9m-920kc) Maxwell House Coffee club.			
WSM (282.8m-1060kc) Little Jack Little.			
WCOA (416.4m-720kc) Ben Goldman, violinist.			
Corinne Jordan, contralto.			
WSM (282.8m-1060kc) Harry Bailey and his southern serenaders.			
WSB (428.3m-700kc) Charlie Trout's Melody artists orchestra.			

## Regular Features

Eastern Time Stations	Central	Mountain	Pacific
CFCA Toronto, Can. (356.9m-840kc) 7:15 p. m. organ recital, Clifford McCormick.			
KDKA Pittsburgh, Pa. (309.1m-970kc) 8 p. m. feature.			
WAAM Newark, N. J. (263m-1140kc) 8 p. m. The Two of Us; 9. Overland Whippers; Four Towers orchestra; 11. Frank Daitley and his Meadowbrooks.			
WAHG Richmond Hill, N. Y. (315.6m-850kc) 7:30 p. m. Boy Scouts program; 7:45, Walter Iooss, novelty pianist; 8, studio program; 9, Synchrophase hour; 10:02, studio program; 12, Midnight variety program.			
WBAL Baltimore, Md. (246m-1220kc) 6:30-7:30 p. m. dinner orchestra; 7:30-8, organ recital, Frederick			



**HIRAM** and the Dairy Maids surely can sing live on the farm. But you can see by lo bunch has just returned from milking the Hiram says he has the girls play so the cows will more milk. E. F. A. program director is see Another entertainer at WEEI is the Radio Jais C. B. Callus, and they say he came carolling phone and fans liked him so well he has been since. Something a little more cified may Jeanne Chambers, left, is the popular



## DANCING

### Central Time

#### Monday

8, Wsep; 9, Wjar, Wor; 9:15, Wahg; 10, Kths, Wgr, Wwp; 10:15, Wgr; 10:30, Wsep; 10:45, Wwh; 11, Kgw, Koll, Wgbu, Wgr, Wwh, Who, Wjazz; 11:45, Wdaf; 12, Knx, Kpo.

#### Tuesday

10:15, Kths; 10:30, Kths, Whn; 10:45, Wsb; 11, Kgw; 11:15, Wdaf; 12, Kgw, Kths, Knx, Kpo, Wdaf, Wjazz; 1. Wjd.

#### Wednesday

9:15, Wahg; 9:30, Whap, Who, Wor; 10, Kive, Wdap, Wdaf, Wgbu, Wgcp, Wjazz, Wq; 10:05, Wcco; 10:30, Whop, Whn; 11, Knox, Koll, Kpo, Wbb, Wgbu, Wgr, Whn, Wjazz; 11:45, Wdaf; 12, Kiva, Knx, Kpo, Wjazz, Wjld.

#### Thursday

8, Wjr; 9, Wgh, Wcol, Wgh, Wjr, Wmb, Wsl; Wtag; 9:05, Wuz, Wjp; 9:30, Wgs, Wjh; 9:35, Wnc; 10, Kths, Wbh, Wef, Wgbu, Whn, Wma, Wpg, Wq; 10:30, Kths, Whn, Wgh, Wgh, Whn, Woc; 11:45, Wdaf; 12, Kgw, Khl, Wgd, Khk, Knx, Kpo, Wjd.

#### Friday

8, Wwj; 9, Wex, Wgh, Wei, Wgr, Wmb, Wpg, Wp; 9:15, Wwb, Wwp; 9:30, Wgs, Wjh; 9:35, Wnc; 10, Kths, Wbh, Wef, Wgbu, Whn, Wma, Wpg, Wq; 10:30, Kths, Whn, Wgh, Wgh, Whn, Woc; 11:45, Wdaf; 12, Kgw, Khl, Wgd, Khk, Knx, Kpo, Wjd.

#### Saturday

9, Wgh, Wjazz, Wmb, Wnc, Wro; 9:10, Kths, Wip; 9:15, Kths, Wgs, Wor, Wrc; 10, Knx, Kiva, Kja, Kpo, Wef, Wgn, Wjazz, Wjr, Wkr, Wma, Wmo, Wnc, Wnj, Wro, Wsc; 10:05, Wcco; 10:30, Wamd; 10:45, Wls; 11, Wfwa, Kfwb, Kpc, Wgh, Wfa, Who, Wta, Woc; 11:30, Kfoa; 11:45, Wdaf; 12, Kgw, Kkw, Knx, Wgbu, Wjazz, Wjld.

Wor Newark, N. J. (405.2m-740kc) 6:15 p. m. Jacques Jacobs' Hotel Shelton ensemble; 6:45, Bill Wathey in sports; 7, Jacques Jacobs' Hotel Shelton ensemble; 9, Klein's Serenading Shoemakers; 11, Jascha Gurewitsch's dance orchestra.

WRC Washington, D. C. (468.5m-840kc) 7 p. m. dinner music; 8, vesper hour; 9, WEA; 10, Meyer Davis' Swanee syncopters; 11-12, Loew's Palace theater.

WRVA Richmond, Va. (256.3m-1170kc) 8 p. m. Evening program; 9, Virginia Folk Lore, Dr. Douglas S. Freeman; 9:30, music; 10:30, Hotel Richmond Winter Garden orchestra; 11:30, Carry Me Back to Old Virginia.

WSAI Cincinnati, Ohio (325.9m-920kc) 10 p. m. WEA.

WTAG Worcester, Mass. (545.1m-550kc) 8 p. m. Program to be announced; 8:30, WTAG entertainers.

WTAM Cleveland, Ohio (389.4m-770kc) 6 p. m. Guy Lombardo's Royal Canadians; 7, Allen Theater orchestra; 8, Willard concert orchestra; 9, WEA; 10, Willard concert orchestra; 11, Emerson Gill and Bamboo Garden orchestra.

WTIC Hartford, Conn. (475.9m-630kc) 6 p. m. Mother Goose; 6:30, Hotel Bond trio; 7:30, program; 11:05, Walter Dawley, organist.

WWJ Detroit, Mich. (352.7m-850kc) 6 p. m. Dinner concert; 8, WEA; 9, Detroit News orchestra.

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**Central Time Stations**

CKY Winnipeg, Can. (384.4m-780kc) 8:30-9 p. m. Studio program; 9-10, Stewart Warner concert; 10-11, Reliable battery hour; 11-12, Capitol theater revue.

KFNF Shenandoah, Iowa (461.3m-650kc) 7 p. m. Headliner.

KMA Shenandoah, Iowa (461.3m-650kc) 9-11 p. m. Farnham trio.

KMOX St. Louis, Mo. (280.2m-1070kc) 6:30 p. m. Careful children's club; 7, KMOX Radio orchestra; 8, KMOX Radio orchestra; 9, orchestra; 9:30, foreign program; 10-11, Anna Beckman, soprano.

KOIL Council Bluffs, Iowa (305.9m-980kc) 6:03 p. m. Hotel Carling dinner music; 8-9, popular program; 9-10, classical music; 11-12, Arcade theater.

WJR Detroit, Mich. (516.9m-580kc) 7 p. m. Jean Goldkette's Petite symphony orchestra, soloists; 7:15, Caspar Lingeman entertainers; 7:45, Good Will Oakland and Chief Pontiac; 9, studio program.

WJZ New York, N. Y. (454.3m-660kc) 7 p. m. Hotel Commodore concert orchestra; 7:55, John B. Kennedy; 8, Markel's dance orchestra; 8:30, The Del-Mar-Vans; 9:30, Thayer West Point Cavaliers; 10:30, Waldori-Astoria grill dance orchestra.

WLIT Philadelphia, Pa. (394.5m-760kc) 7:55 p. m. Salicon weatherman; 8, WEA; 10, WFAF.

WLW Cincinnati, O. (422.3m-710kc) 7 p. m. Robert Visconti's orchestra; 7:40, Visconti's orchestra; 8, Crosby Hello Boys; 8:30, Supermusicone trio; 9, headliner.

WLWL New York, N. Y. (288.3m-1040kc) 8 p. m. Violin solo; 8:30, McEvoey concert; 9, question box; 10, Cecilia ensemble.

WMA New York, N. Y. (340.7m-880kc) 6:30 p. m. Ernie Golden and his Hotel McAlpin orchestra; 7:30, Grel-Meister's Hungarian orchestra; 8, Christian Science services; 9:15, Headliner; 12, McAlpin entertainers.

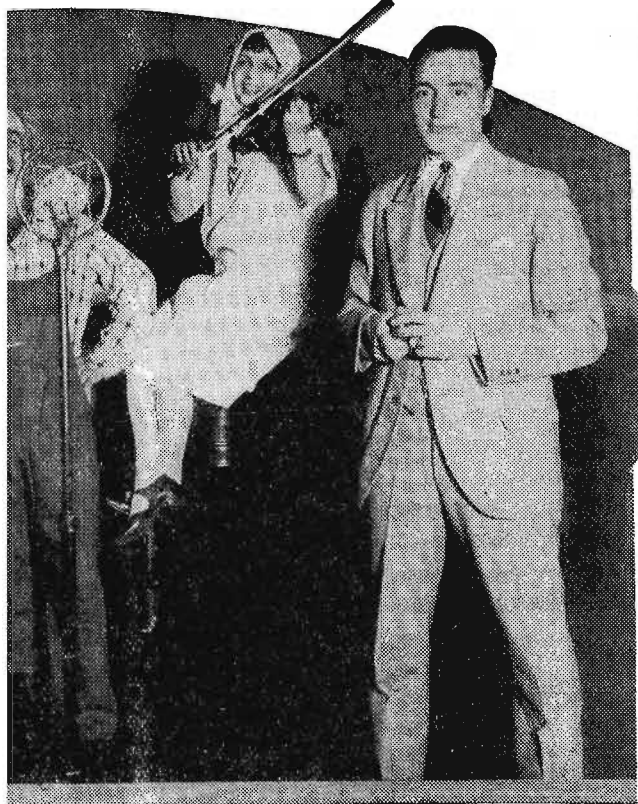
WNYC New York, N. Y. (526m-570kc) 6 p. m. Piano selections; 6:20, piano selections.

WOO Philadelphia, Pa. (508.2m-590kc) 11 a. m. Organ recital; 12:02 p. m. Tea Room orchestra; 4:45 organ recital; 7:30, Sylvania dance orchestra; 8, organ recital, Mary E. Vogt; 8:30, address, Rev. Forest E. Dager; 9, Sesqui Centennial concert; 10:30, Sam Brown's dance orchestra.



# TUESDAY SERIES FROM STATION KYW

surely can sing and play well for folks who can see by looking at them that the whole room milking the cows to entertain at WEEL. so the cows will feel in good spirits and give director is seen holding the center button. the Radio Janitor at the right. His name came carolling in one day to dust the microphone he has been singing at this station ever since. It may be had by tuning in WSMB. t, is the popular blues singer there.



### DANCING

#### Central Time

#### Monday

8:30, Wjcp; 9, Wjar; 9:15, Wahg; 10, Wjcp; 10:30, Wjcp; 11:45, Wdaf; 12, Knx, Kpo.

#### Tuesday

10:15, Kths; 10:30, Kths; 11, 10:45, Wsb; 11, Wjcp; 11:45, Wdaf; 12, Wjcp; 12, Knx, Kpo, Wjcp.

#### Wednesday

9:15, Wahg; 9:30, Whap; 10, Wjcp; 10:30, Wjcp; 11, Wjcp; 11:45, Wdaf; 12, Wjcp; 12, Knx, Kpo, Wjcp.

#### Thursday

8, Wjr; 9, Webb, Weel; 9:30, Wjcp; 10, Wjcp; 10:30, Wjcp; 11, Wjcp; 11:45, Wdaf; 12, Wjcp; 12, Knx, Kpo, Wjcp.

#### Friday

8, Wjr; 9, Webb, Weel; 9:30, Wjcp; 10, Wjcp; 10:30, Wjcp; 11, Wjcp; 11:45, Wdaf; 12, Wjcp; 12, Knx, Kpo, Wjcp.

#### Saturday

9, Webb, Wjcp, Wmbb; 10, Wjcp; 10:30, Wjcp; 11, Wjcp; 11:45, Wdaf; 12, Wjcp; 12, Knx, Kpo, Wjcp.

**Mountain Time Stations**  
KOA Denver, Colo. (322.4m-930kc) 6:30 p. m. Brown Palace string orchestra; 8, Scheuerman's Colorado orchestra; 8:15, studio program.  
**Pacific Time Stations**  
KFI Los Angeles, Calif. (467m-640kc) 7-8 p. m. Owen Fallon's Californians; 8-9, popular program; 9-10, program, Walter M. Murphy Motors Co.; KPO; 11, program by Miklejohn Brothers.  
KFWB Hollywood, Calif. (522m-1190kc) 6-7 p. m. Pontiac dinner hour; 7:50, news; 8-9, program; Sealy Company; 9-10, program; 10-11, Warner Br. frolic.  
KGO Oakland, Calif. (361.2m-830kc) 6-6:55 p. m. Stanislas Bem's Little symphony; 8-9, Gondoliers; 9, Chats about New Books; Joseph Henry Jackson; 9:20, bridge lesson.  
KLX Oakland, Calif. (508.2m-590kc) 8-9 p. m. Studio program, Piggly Wiggly company; 9-10, Lake Merritt Ducks.  
KMTL Hollywood, Calif. (370.2m-810kc) 6-7 p. m. Radio press agent; 7-8-8:30, program, Sawey Stores; 8:30-9:30, KMTL concert orchestra; 9:30-10, Y. M. C. A. program; 10-12, Palais de Danse.  
KPO San Francisco, Calif. (428.3m-700kc) 6:30-7 p. m. States Restaurant orchestra; 7-7:30, Rudy Seiger's Fairmont hotel concert orchestra; 8-9, Uda Waldrop, organist; 9-10, KFI and KPO broadcast; 10-11, Mandarin cafe orchestra.  
KWSC Pullman, Wash. (348.6m-860kc) 7:30 p. m. Students concert.

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KWSC Pullman, Wash. (348.6m-860kc) 7:30 p. m. Students concert.

## TUESDAY

### Headliners, November 2

Eastern	Central	Mountain	Pacific
6:15 p.m.	5:15	4:15	3:15
WMAQ (447.5m-670kc)	"The Mikado," Camp Strongheart players.		
6:30	5:30	4:30	3:30
WTIC (475.9m-630kc)	tenor.	Anthony F. McKenna,	
7	6	5	4
WEAF (491.5m-610kc)	Albert E. Miller, tenor.		
7:20	6:20	5:20	4:20
WEAO (293.9m-1020kc)	Mona Motor Oil Twins.		

Eastern	Central	Mountain	Pacific
7:30 p.m.	6:30	5:30	4:30
WGY (379.5m-790kc)	7:30 p. m. "France and Our Revolution," Prof. Charles N. Waldron.		
WSAI (325.9m-920kc)	Maxwell House Coffee club.		
WTIC (475.9m-630kc)	Halcyon male quartet.		
7:45	6:45	5:45	4:45
WGY (379.5m-790kc)	Edward Rice, violinist.		
8:30	7:30	6:30	5:30
KFNF (461.3m-650kc)	Emil Strom's band.		
WBRR (416.4m-720kc)	Joseph Bonaccorso, violinist; Robert Sekleiman, baritone.		
WOJ (447.5m-670kc)	Sea songs.		
8:30	7:30	6:30	5:30
KOIL Council Bluffs, Iowa (305.9m-980kc)	Isabel Sullivan, Caroline Kemp, popular selections.		
WBAP (475.9m-630kc)	Sunflower girl.		
WHAD (275.1m-1090kc)	Election returns. Musical selections.		
WHAS (399.8m-750kc)	Carl Zoeller's Melodists.		
WOC (483.6m-620kc)	Margaret Hansel, violinist.		
WTIC (475.9m-630kc)	Tom and Dot at home.		
8:40	7:40	6:40	5:40
WLW (422.3m-710kc)	Marian Grey Head, violinist; Estelle Renneker, pianist.		
9	8	7	6
KDKA (309.1m-970kc)	Election returns.		
WBZ (333.1m-900kc)	Gladys W. Williams, soprano.		
9:15	8:15	7:15	6:15
WCBM (344.6m-870kc)	Mandolin and guitar club, mixed quartet, double trio.		
WBW (365.6m-820kc)	Girls' string trio; Gladys Morris, WHB Nightingale.		
9:30	8:30	7:30	6:30
WMAQ (447.5m-670kc)	Recital, Kantor Gruenberg, tenor.		
9:45	8:45	7:45	6:45
WBZ (333.1m-900kc)	Katherine Reid Potter, pianist.		
10	9	8	7
KMA (461.3m-650kc)	Gold Cup Jubilee.		
KMOX (280.2m-1070kc)	Fantasia, "Spain."		
KPRC (299.8m-1000kc)	Chamber of Commerce hour.		
10:10	9:10	8:10	7:10
KTHS (374.8m-800kc)	Dance concert, Meyer-Davis orchestra.		
10:15	9:15	8:15	7:15
WMAQ (447.5m-670kc)	Helen Beck, pianist.		
10:30	9:30	8:30	7:30
WEAF (491.5m-610kc)	Frank Farrel and his Greenwich Village Inn orchestra, WFL, WWJ, WCAE, WGR, WTAM, WCSH.		
11:05	10:05	9:05	8:05
WCCO (416.4m-720kc)	Knights of Pythias band.		
11:15	10:15	9:15	8:15
KTHS (374.8m-800kc)	Election night program.		
11:30	10:30	9:30	8:30
WEAF (491.5m-610kc)	Janssen's Hofbrau orchestra.		

### Headliners, November 9

Eastern	Central	Mountain	Pacific
7 p.m.	6	5	4
WEAF (491.5m-610kc)	Elaine Horton, contralto.		
8	7	6	5
WFSA (475.9m-630kc)	Literary chat.		
8:30	7:30	6:30	5:30
KOIL (305.9m-980kc)	Harold Hughes, tenor.		
WBAP (475.9m-630kc)	Wagoner Hawaiian trio.		
WHAS (399.8m-750kc)	Eddie Rosson's orchestra.		

## FARMER'S PROGRAM INDEX

### Farmer Dinner Concerts

**Daily Except Sunday**  
CENTRAL TIME  
KFNF, 12:30 p. m.  
KMA, 11:30-12:30  
KSO, 12:30-1:30 p. m.

Eastern	Central	Mountain	Pacific
9:30 p.m.	8:30	7:30	6:30
KOA (322.4m-930kc)	Farm question box.		
10:10	9:10	8:10	7:10
WOAW (526m-570kc)	Poultry, pig troubles.		

### Wednesday

Eastern	Central	Mountain	Pacific
10:30 a.m.	9:30	8:30	7:30
WFI (394.5m-760kc)	Farm feature.		
11	10	9	8
WCCO (416.4m-720kc)	Farm hour. Egg Laying contest.		
1:10	12:10	11:10	10:10
WMAQ (447.5m-670kc)	Prairie Farmer farm talks.		
1:15	12:15	11:15	10:15
WFO (526m-570kc)	Radio farm school.		
1:45	12:45	11:45	10:45
WEAO (293.9m-1020kc)	Farm flash, poultry.		
WTAW (270.1m-1110kc)	Oct. 20, "Have, Silos Failed?" Oct. 27, "The Horse Business."		
1:30	12:30	11:30	10:30
KMA (461.3m-650kc)	Agricultural aid.		
WFAA (475.9m-630kc)	Sears-Roebuck agricultural program.		
1:40	12:40	11:40	10:40
WLW (422.3m-710kc)	U. S. Radio Farm school.		
1:45	12:45	11:45	10:45
WMAQ (447.5m-670kc)	Prairie Farmer farm talks.		
1:13	12:13	11:13	10:13
WHO (526m-570kc)	Radio farm school.		
1:15	12:15	11:15	10:15
WTAW (270.1m-1110kc)	Oct. 25, "Less Cotton and More Crop Rotation."		
1:30	12:30	11:30	10:30
KMA (461.3m-650kc)	Farm talk, agricultural aid.		
WEAO (293.9m-1020kc)	Timely economic information for the farmer.		
1:40	12:40	11:40	10:40
WLW (422.3m-710kc)	U. S. Radio Farm school.		
1:45	12:45	11:45	10:45
WOI (270.1m-1110kc)	Egg laying contest.		
6:40	5:40	4:40	3:40
WGHP (270m-1110kc)	U. S. Farm school.		
7:45	6:45	5:45	4:45
KSAC (491.5m-880kc)	Nov. 3, "Super Power—Its Meaning to the Farmer," "Lightning Protection for the Home and the Farm."		
8	7	6	5
WOS (440.9m-680kc)	Evening market hour, poultry questions and answers.		
8:10	7:10	6:10	5:10
WEAO (293.9m-1020kc)	Oct. 20, "The Prevention of Livestock Diseases," Oct. 27, "Diseases Man May Contract from Animals."		
8:35	7:35	6:35	5:35
WCCO (416.4m-720kc)	Farm talk.		
12	11	10	9
KGO (361.2m-830kc)	About Insects, a practical talk to farmers.		

### Thursday

Eastern	Central	Mountain	Pacific
10:30 a.m.	9:30	8:30	7:30
WFI (394.5m-760kc)	Farm feature.		
11	10	9	8
WCCO (416.4m-720kc)	Farm hour.		
1:10	12:10	11:10	10:10
WMAQ (447.5m-670kc)	Prairie Farmer farm talks.		
1:13	12:13	11:13	10:13
WHO (526m-570kc)	Radio Farm school.		
1:15	12:15	11:15	10:15
WEAO (293.9m-1020kc)	Farm talk.		
WTAW (270.1m-1110kc)	Farm and Home Question box.		
1:30	12:30	11:30	10:30
KMA (461.3m-650kc)	Agricultural aid.		
1:45	12:45	11:45	10:45
WOI (270m-1110kc)	Farm crops.		
6:40	5:40	4:40	3:40
WGHP (270m-1110kc)	U. S. Farm school.		
8	7	6	5
KOIL (305.9m-980kc)	U. S. Government crop survey.		
8:30	7:30	6:30	5:30
WCCO (416.4m-720kc)	Farm lecture.		
WOI (270m-1110kc)	Farm crops.		
8:33	7:33	6:33	5:33
KYW (535.4m-560kc)	American Farm bureau.		
9:30	8:30	7:30	6:30
KOA (322.4m-930kc)	Farm question box.		

### Friday

Eastern	Central	Mountain	Pacific
10:30 a.m.	9:30	8:30	7:30
WFI (394.5m-760kc)	Farm feature.		
11	10	9	8
WCCO (416.4m-720kc)	Farm hour.		
1:10	12:10	11:10	10:10
WMAQ (447.5m-670kc)	Prairie Farmer farm talks.		
1:13	12:13	11:13	10:13
WHO (526m-570kc)	Radio Farm school.		
1:15	12:15	11:15	10:15
WTAW (270.1m-1110kc)	Oct. 22, "Preparing Bees for Winter," Oct. 29, "State Fairs."		
1:30	12:30	11:30	10:30
KMA (461.3m-650kc)	Agricultural aid.		
1:40	12:40	11:40	10:40
WLW (422.3m-710kc)	U. S. Radio Farm school.		
1:45	12:45	11:45	10:45
WOI (270m-1110kc)	Soils.		
6:40	5:40	4:40	3:40
WGHP (270m-1110kc)	U. S. Farm school.		
8	7	6	5
KOIL (305.9m-980kc)	U. S. Radio Farm school, dairy questions and answers.		
8:30	7:30	6:30	5:30
WCCO (416.4m-720kc)	Farm lecture.		
WOC (483.6m-620kc)	Question box.		

### Markets and Weather

See Page 18

Eastern	Central	Mountain	Pacific
9 p.m.	8	7	6
KFNF (461.3m-650kc)	Winter Garden Farms company program.		
9:30	8:30	7:30	6:30
WBW (365.6m-820kc)	Rubber Twins, Irish Hawaiians.		
10	9	8	7
WHO (526m-570kc)	14th Cavalry band.		
9:25	8:25	7:25	6:25
WMAQ (447.5m-670kc)	Woman's symphony orchestra.		
9:30	8:30	7:30	6:30
WHAD (275.1m-1090kc)	Wisconsin theater review.		
10	9	8	7
WHO (526m-570kc)	Paul Stoye, pianist.		
10:30	9:30	8:30	7:30
KPRC (299.8m-1000kc)	Concert soprano.		
11	10	9	8
KTHS (374.8m-800kc)	New Arlington hotel dance orchestra.		
10:30	9:30	8:30	7:30
KPRC (299.8m-1000kc)	Aeolian quintet.		
WEAF (491.5m-610kc)	Hofbrau orchestra, WGR, WFI.		
11	10	9	8
KTHS (374.8m-800kc)	Moonlight Serenaders, guitar and banjo orchestra.		
11:30	10:30	9:30	8:30
WEAF (491.5m-610kc)	Den Bernie orchestra.		

### Regular Features

**Eastern Time Stations**  
KDKA Pittsburgh, Pa. (309.1m-970kc) 8 p. m. sacred song concert; 8:45, gems from American literature; 9, musicale; 11:35, Grand theater.  
WAAM Newark, N. J. (263m-1140kc) 7:15 p. m. Gene and Jeff, Snappiness Twins; 9, Y. M. C. A. hour; 10, Richmond Ramblers; 11, Frank Dailey and his Meadowbrooks.  
WAHG Richmond Hill, N. Y. (315.6m-950kc) no program.  
WBAL Baltimore, Md. (246m-1220kc) 6:30-7:30 p. m. dinner orchestra; 7:30-8, quartet; 8-9, trio; 9-9:30, Jubilee singers; 9:30-10, violin and piano recital; Michael Weiner, violinist; LeRoy Evans, pianist; 10-11, Municipal band of Baltimore; 11-12, dance orchestra.

### Educational Features

Eastern	Central	Mountain	Pacific
1:50 p.m.	12:50	11:50 a.m.	10:50
WMAQ (447.5m-670kc)	"The Voice in Speech."		
5:35	4:35	3:35	2:35
WMAQ (447.5m-670kc)	Book review.		

**WBBR** New York, N. Y. (416.4m-720kc) 8 p. m. headliner.

**WCAU** Philadelphia, Pa. (277.6m-1080kc) 7:30 p. m. Snellenburg instrumental trio; 8:15, Gurnse Buttermaker; 8:30, recital; 9, Montbard Follies; 9:30, Robert Fraser, blind gospel singer; 10, Prof. Doolittle; 10:05, Chapman Engart Syncoptors; 10:15, Al Harris, musical saw; 10:20, recital; 10:30, Cathy dance orchestra.

**WCX** Detroit, Mich. (516.9m-580kc) 6-7 p. m. dinner program, Goldkette ensemble; 10, Red Apple club.

**WEAF** New York, N. Y. (491.5m-610kc) 6 p. m. dinner music; 7:10 talk, Columbia University; 7:30, Frank Farrell and his Greenwich Village Inn orchestra; 8, The Vikings, WEAF, WEEL, WFI, WCAE, WWJ, WGR, WTAM, WSAI, WJAX, WTAG, WOC, WCCO, WCHS, KSD; 8:30, Jolly Buckeye Bakers, WEAF, WTAG, WFI, WTAM, WWJ, WSAI, KSD, WCCO; 9, Eveready hour, WEAF, WEEL, WFI, WTAG, WJAX, WGR, WCAE, WTAA, WWJ, WSAI, WGN, WOC, WCCO, KSD, WRC (regular); 10, auction bridge instruction, WEAF, WEEL, WCHS, WTAG, WJAX, WGR, WCAE, WTAM, WFI, WWJ, WSAI, WGN, WOC, WCCO, KSD; 10:30, orchestra; 11:30, orchestra.

**WEO** Columbus, Ohio (293.9m-1020kc) 7:45 p. m. headliners.

**WFI** Philadelphia, Pa. (394.5m-760kc) 6:45, Adelphi dance orchestra; 8, WEAF; 8:30, WEAF; 9, WEAF; 10, Moment Musicale; 10:30, Vincent Lopez and his orchestra.

**WGHB** Clearwater, Fla. (265.3m-1130kc) 7:30 p. m. Walley Wiley, pianist; 8:30, Jolly Buck Eye Bakers; Virginia Girl; Ruth Bamford, contralto.

**WGHP** Detroit, Mich. (270.1m-1110kc) 6 p. m. dinner concert, Hotel Tuller; 8:30, studio program; 8:30-9:30, orchestra; 9:30-10, novelty half hour.

**WGR** Buffalo, N. Y. (519m-940kc) 6:30-7:30 p. m. Vincent Lopez, Hotel Statler dance orchestra; 8:11-30, WEAF.

**WGY** Schenectady, N. Y. (379.5m-790kc) 6:30 p. m. dinner program, Ten Eyck hotel; 7:45, headliner; 8, WJZ; 9, WJZ; 10, WJZ; 10:30-11:30, WMAK.

**WHN** New York, N. Y. (361.2m-830kc) 6:30 p. m. Freshman Masterpiece entertainment; 7, Iceland dance orchestra; 7:30, Will Oakland's Chateau; 8, Treasureland Home Owners ensemble; 8:30, Sachs Quality entertainers; 9:30, Cow's 83rd St. Theatre orchestra; 10, Prince Piotti, entertainer; 10:30, Strand Roof orchestra; 11, Parody Club; 11:30, The Playground.

**WIP** Philadelphia, Pa. (508.2m-590kc) 6:05 p. m. Benjamin Franklin concert orchestra; 7, Uncle Wip's bedtime stories; 8, dramatic reviews; 8:15, program from WQIS; 9:30, Flora Ripka, pianist; 10:03, Emo's weekly movie talk; 10:30, Benjamin Franklin hotel dance orchestra.

**WJAX** Jacksonville, Fla. (336.9m-890kc) 7-7:30 p. m. Carling hotel dinner music; 8-9, popular program; 9-10, Casa de Baile.

**WJR** Detroit, Mich. (516.9m-580kc) 7 p. m. Jean Goldkette's Petite symphony orchestra; soloists; 8, Board of Commerce, Mt. Clemens, Mich; 8:30, Manuel Cigar girls; 9, studio program.

**WJZ** New York, N. Y. (454.3m-660kc) 7 p. m. Frank Dale; 7:15, Hotel Commodore concert orchestra; 7:50 William Ballyn, sea songs; 8, Champion Spark Plug hour, WGY, WRC; 9, Pennsylvania Railroad hour, WGY; 10, Cook's Southern Hemisphere Cruise, WRC, WGY; 10:45, George Olsen's Pennsylvania Grill orchestra.

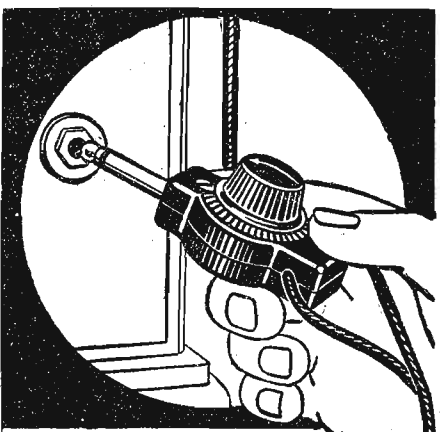
**WLIT** Philadelphia, Pa. (394.5m-760kc) 7:30 p. m. concert orchestra.

**WLW** Cincinnati, O. (422.3m-710kc) 6 p. m. Bill Nara's Kentuckians; 7, American Composer series; 7:30, Castle Farm dance music; 8:15, Mary Barbara, Sweetheart of Radio; 8:40, headliner; 9, Formica concert orchestra; 10, Crosley Burnt Corkers.

**WLWL** New York, N. Y. (288.3m-1040kc) 9 p. m. Piano recital; 9:30, Premier Male quartet; current plays; 10:30, organ recital.

**WMC** New York, N. Y. (340.7m-880kc) 7 p. m. Jimmy Carr's Monte Carlo orchestra; 8, California Ramblers; 9, headliners; 11, Ernie Golden and his Hotel McAlpin orchestra; 12, McAlpin entertainers.

(Continued on next page)



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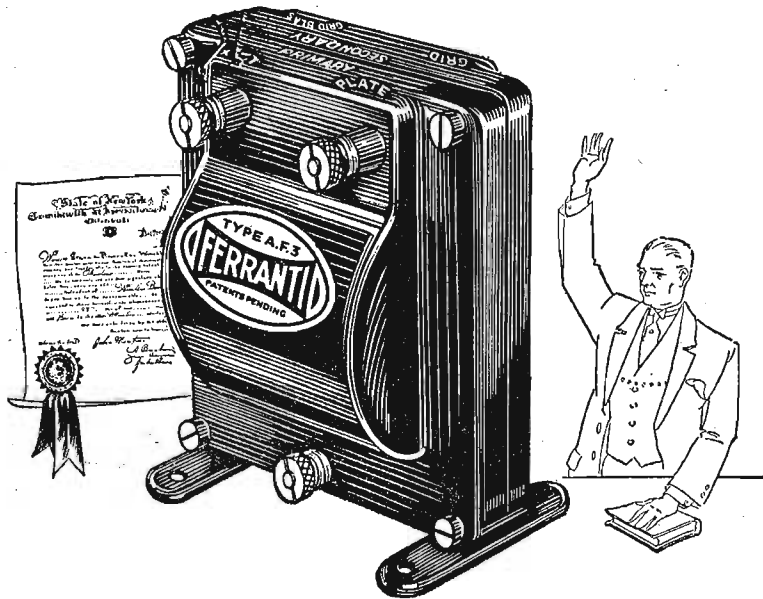
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## MARKET QUOTATIONS AND WEATHER FORECASTS

Daily Except Sunday				Eastern				Central				Mountain				Pacific			
Eastern	Central	Mountain	Pacific	Eastern	Central	Mountain	Pacific	Eastern	Central	Mountain	Pacific	Eastern	Central	Mountain	Pacific	Eastern	Central	Mountain	Pacific
9:15 a.m.	8:15	7:15	6:15	12:40 p.m.	11:40	10:40	9:40	3:50 p.m.	2:50	1:50	12:50	3:50 p.m.	2:50	1:50	12:50	3:50 p.m.	2:50	1:50	12:50
WOAW (526m-570kc), Market receipts.	WFAA (475.9m-630kc), Markets.	WFAA (475.9m-630kc), Markets.	WFAA (475.9m-630kc), Markets.	WGYY (379.5m-790kc), Produce market.	WGYY (379.5m-790kc), Weather.	KOIL (305.9m-980kc), Livestock market, weather.	KOIL (305.9m-980kc), Livestock market, weather.	WCCO (416.4m-720kc), Markets.	WCCO (416.4m-720kc), Markets, weather.	WCCO (416.4m-720kc), Markets, weather.	WCCO (416.4m-720kc), Markets, weather.	WCCO (416.4m-720kc), Markets.	WCCO (416.4m-720kc), Markets.	WCCO (416.4m-720kc), Markets.	WCCO (416.4m-720kc), Markets.	WCCO (416.4m-720kc), Markets.	WCCO (416.4m-720kc), Markets.	WCCO (416.4m-720kc), Markets.	WCCO (416.4m-720kc), Markets.
9:30	8:30	7:30	6:30	12:45	11:45	10:45	9:45	4:15	3:15	2:15	1:15	4:15	3:15	2:15	1:15	4:15	3:15	2:15	1:15
WFAA (475.9m-630kc), Markets.	WFAA (475.9m-630kc), Markets.	WFAA (475.9m-630kc), Markets.	WFAA (475.9m-630kc), Markets.	12:55	11:55	10:55	9:55	4:30	3:30	2:30	1:30	4:30	3:30	2:30	1:30	4:30	3:30	2:30	1:30
9:55	8:55	7:55	6:55	1:05	12:05 p.m.	11:05	10:05	4:45	3:45	2:45	1:45	4:45	3:45	2:45	1:45	4:45	3:45	2:45	1:45
WOAW (526m-570kc), Hog prospects.	KDKA (309.1m-970kc), Livestock, grain.	KDKA (309.1m-970kc), Livestock, grain.	KDKA (309.1m-970kc), Livestock, grain.	1:15	12:15	11:15	10:15	4:55	3:55	2:55	1:55	4:55	3:55	2:55	1:55	4:55	3:55	2:55	1:55
10	9	8	7	1:30	12:30	11:30	10:30	5:05	4:05	3:05	2:05	5:05	4:05	3:05	2:05	5:05	4:05	3:05	2:05
10:30	9:30	8:30	7:30	1:45	12:45	11:45	10:45	5:15	4:15	3:15	2:15	5:15	4:15	3:15	2:15	5:15	4:15	3:15	2:15
WFAA (475.9m-630kc), Markets.	WFAA (475.9m-630kc), Markets.	WFAA (475.9m-630kc), Markets.	WFAA (475.9m-630kc), Markets.	1:55	12:55	11:55	10:55	5:25	4:25	3:25	2:25	5:25	4:25	3:25	2:25	5:25	4:25	3:25	2:25
10:40	9:40	8:40	7:40	2:05	1:05 p.m.	11:05	10:05	5:35	4:35	3:35	2:35	5:35	4:35	3:35	2:35	5:35	4:35	3:35	2:35
KMOX (280.2m-1070kc), Market reports.	WFAA (475.9m-630kc), Markets.	WFAA (475.9m-630kc), Markets.	WFAA (475.9m-630kc), Markets.	2:15	1:15	10:15	10:15	5:45	4:45	3:45	2:45	5:45	4:45	3:45	2:45	5:45	4:45	3:45	2:45
10:45	9:45	8:45	7:45	2:30	1:30	11:30	10:30	5:55	4:55	3:55	2:55	5:55	4:55	3:55	2:55	5:55	4:55	3:55	2:55
WCCO (416.4m-720kc), Markets, weather.	WFAA (475.9m-630kc), Markets.	WFAA (475.9m-630kc), Markets.	WFAA (475.9m-630kc), Markets.	2:45	1:45	11:45	10:45	6:05	5:05	4:05	3:05	6:05	5:05	4:05	3:05	6:05	5:05	4:05	3:05
11	10	9	8	2:55	1:55	11:55	10:55	6:15	5:15	4:15	3:15	6:15	5:15	4:15	3:15	6:15	5:15	4:15	3:15
WFAA (475.9m-630kc), Markets.	WFAA (475.9m-630kc), Markets.	WFAA (475.9m-630kc), Markets.	WFAA (475.9m-630kc), Markets.	3:05	2:05	12:05	11:05	6:25	5:25	4:25	3:25	6:25	5:25	4:25	3:25	6:25	5:25	4:25	3:25
11:30	10:30	9:30	8:30	3:15	2:15	12:15	11:15	6:35	5:35	4:35	3:35	6:35	5:35	4:35	3:35	6:35	5:35	4:35	3:35
WFAA (475.9m-630kc), Markets.	WFAA (475.9m-630kc), Markets.	WFAA (475.9m-630kc), Markets.	WFAA (475.9m-630kc), Markets.	3:30	2:30	12:30	11:30	6:45	5:45	4:45	3:45	6:45	5:45	4:45	3:45	6:45	5:45	4:45	3:45
11:30 p.m.	10:30	9:30	8:30	3:45	2:45	12:45	11:45	6:55	5:55	4:55	3:55	6:55	5:55	4:55	3:55	6:55	5:55	4:55	3:55
WGYY (379.5m-790kc), Stock market.	WFAA (475.9m-630kc), Markets.	WFAA (475.9m-630kc), Markets.	WFAA (475.9m-630kc), Markets.	3:55	2:55	1:55	10:55	7:05	6:05	5:05	4:05	7:05	6:05	5:05	4:05	7:05	6:05	5:05	4:05



## All the Truth and nothing but the Truth!

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New York, N. Y.

WNYC New York, N. Y. (526m-570kc) 6:25 p. m. piano selections.
WOO Philadelphia, Pa. (508.2m-590kc) 7:30 p. m. Sylvania dance orchestra.
WOR Newark, N. J. (465.2m-740kc) 6:15 p. m. Bill Wathey in sports; 6:30, Hotel Bretton Hall string quartet; 7:30, Premier orchestra; 9:15, New Jersey Laundry Owners Association program; 11, Wadsworth's Carlton Terrace orchestra.

WRC Washington, D. C. (468.5m-640kc) 7 p. m. Raleigh Hotel orchestra; 8, WJZ; 9, WEAF; 10, WJZ; 10:30-11:30, Meyer David, Le Paradis band.
WSA Cincinnati, Ohio (325.9m-920kc) 7:15 p. m. dinner concert; 7:45, music; 8, WEAF.
WTAG Worcester, Mass. (545.1m-550kc) 8-10:30 p. m. WEAF.

WTAM Cleveland, Ohio (389.4m-770kc) 6:15 p. m. Hotel Cleveland orchestra; 7:15, State theatre vaudeville; 8-11, WEAF; 11, Austin Wylie's Vocalion Recording orchestra.
WTIC Hartford, Conn. (475.9m-630kc) 6 p. m. Hotel Heublin trio; 6:30, music; 10:05, Club Palais Royal orchestra.
WWJ Detroit, Mich. (352.7m-850kc) 6 p. m. dinner concert; 8, WEAF.

Central Time Stations
KFNF Shenandoah, Ia. (461.3m-650kc) 7 p. m. headliners.
KMA Shenandoah, Ia. (461.3m-650kc) 9-11 p. m. May's Mandolin Musicians.
KMOX St. Louis, Mo. (289.2m-1070kc) 6:30 p. m. Children's club; 7, Little Red Schoolhouse; 8, KMOX Radio orchestra; 9, fantasia; 10, Rudy and Art. Croon-a-tuners.

KOIL Council Bluffs, Ia. (305.9m-980kc) 6:03 p. m. program for Warner Brothers Pictures; 7:15, Izaak Walton league; 7:30, music; 8, serenaders; 11, 12, hour.
KPRC Houston, Tex. (289.8m-1000kc) 7:25 p. m. sports; 7:30, Skyline studio concert; 9, concert.
KTHS Hot Springs National Park, Ark. (374.8m-800kc) 9:10-10:45 p. m. headliners.

KUOA Fayetteville, Ark. (299.8m-1000kc) 8 p. m. musical program, Eleanor and Laurence Powell.
KYW Chicago, Ill. (535.4m-600kc) 6:30 p. m. Joska DeBary and his orchestra; Johnny Hamp and his orchestra; 7, Family hour; 8, American Farm Bureau federation; 9-10:30, classical concert.
WBAP Fort Worth, Tex. (475.9m-630kc) 7:30-8:30 p. m. music; 8-8:30, Fort Worth club orchestra; 9:30-11, Excel ensemble.

WBBM Chicago, Ill. (226m-1330kc) 8-8:15 p. m. instrumental parade; 8:15-9, Ultra-Modern composers; 9-10, Melody hour; 10-11:30, variety hour; 11:30-12, supper club.
WCBZ Zion, Ill. (344.6m-870kc) 8 p. m. headliner.
WCCO Minneapolis-St. Paul, Minn. (416.4m-720kc) 7:30 p. m. WEAF; 9:30, musical comedy, Garrott's Chorale Soldiers.
WDAF Kansas City, Mo. (365.6m-820kc) 6-7 p. m. school of the air; 11:45-1, Nighthawk frolic.

WEBH Chicago, Ill. (370.2m-810kc) 7 p. m. Mrs. Lydia Lochner; 8, Edgewater Beach hotel orchestra; 9-9:45, Balaban and Katz Uptown theater musical hits; 11, Edgewater Beach hotel orchestra; 12, Cook Sisters.
WFAA Dallas, Texas (475.9m-630kc) 4:30-5 p. m. Mrs. Billie Reed Jr., pianist; 6:30-7:30, Texas Ramblers' orchestra; 8:30-9:30, bridge game, selections; 11-12, Jimmy Joy's Baker hotel orchestra.
WGBF Evansville, Ind. (236.1m-1270kc) 8 p. m. musical program; 9, classic hour.

WGN Chicago, Ill. (302.8m-990kc) 6:45-7 p. m. dinner concert, Drake concert ensemble; Blackstone string quintet; 8-9, WEAF; 9, Auction Bridge game; 9:30-10, great moments from Grand Operas, headliner; 10, Sam 'n' Henry; 10:10, The Music Box; 10:20, musical program; 10:40-11, songs, Correll and Gosden.
WHD Milwaukee, Wis. (275.1m-1090kc) 6:10 p. m. dinner hour, orchestra selections; 10:30, George Devine's Wisconsin Roof orchestra.
WHAS Louisville, Ky. (399.8m-750kc) 7:30-9 p. m. concert.
WHB Kansas City, Mo. (365.6m-820kc) 7-7:45 p. m. organ concert; 8-9:30, Girls' string trio; artists.
WHO Des Moines, Ia. (526m-570kc) 7:30-8:30 p. m. 14th Cavalry band; 8:30-9, Paul Stoye, pianist; 11-12, dance program.

WEDNESDAY

Headliners, November 3

Table with 4 columns: Eastern, Central, Mountain, Pacific. Lists radio stations and their programs for Wednesday, November 3.

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Headliners, November 10

Table with 4 columns: Eastern, Central, Mountain, Pacific. Lists radio stations and their programs for Wednesday, November 10.

Table with 4 columns: Eastern, Central, Mountain, Pacific. Lists radio stations and their programs for Wednesday, November 3.

Educational Features

Table with 4 columns: Eastern, Central, Mountain, Pacific. Lists educational programs on various radio stations.

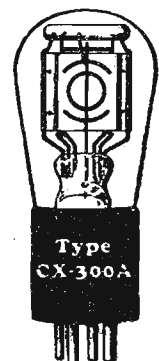
Regular Features

Table with 4 columns: Eastern, Central, Mountain, Pacific. Lists regular features on various radio stations.

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RADIO today is an industrial giant that is taking enormous strides forward. It is a giant wearing seven-league boots. Not many years ago radio belonged to the laboratory. Scientists talked about it among themselves and wrote of it in their technical journals. But today radio belongs to the home and to modern life. We are proud of the part that Cunningham Radio Tubes have played in bringing radio from the laboratory into the American home—thus making modern life more enjoyable and worth while.



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**KDKA Pittsburgh, Pa.** (309.1m-970kc) 6:15 p. m. KDKA string quartet; 8 concert; 9:30, R.V.D. trio.  
**PWK Havana, Cuba** (399.8m-750kc) 8-10 p. m. Band concert.  
**WAAM Newark, N. J.** (263m-1140kc) 8 p. m. Monogram Melody Makers; 8:30, Caldwell Garden entertainers; 9, Castleberg's Diamond concert; 9:30, program; 10, Bill McWalters; 11, Four Towers orchestra.  
**WAHG Richmond Hill, N. Y.** (315.6m-950kc) 7:30 p. m. Margie Make-believe; 7:45, studio program; 8:15, Sterling male quartet; 8:45, Sterling male quartet; 9:25, Good Humor Boys; 10:02, popular program.  
**WCAU Philadelphia, Pa.** (277.6m-1080kc) 6:45 p. m. Clarence Seaman's orchestra; 7:30, Snellenburg recital; 8, headliner; 8:30, Miller Piano period; 9, Overbrook Hills hour; 9:30, Charles Borelli, songs; 9:40, Senator Hassenpfeffer; 9:45, Frank Cook, old-time songs; 10, Cheer-up club.  
**WCX Detroit, Mich.** (516.9m-580kc) 6-7 p. m. Dinner program; Goldkette ensemble; 8-9 studio program.  
**WEAF New York, N. Y.** (491.5m-610kc) 6 p. m. dinner music; 7, Synagogue Services by the United Synagogue of America; 7:30, United States Army band; WTAG, WIAR, WRC; 8, Salon concert; 8:30, Davis Saxophone Octet, WIAR, WRC, WCAE, WSAI, WEEL, WLIT, WWSH, WGR; 9, Ipana Troubadours; WEEL, WGR, WRC, WCAE, WWJ, KSD, WCCO, WLIB, WSAI, 9:30, Moment musicale; WEEL, WGR, WWSH, KSD, WWJ; 10, Smith Bros.; WTAG, WRC, WRC, WCAE, WWJ, KSD, WOC, WCCO, WDAF; 10:30, WEAF Light Opera company, WCAE, WIAR; 10:30, Ben Bernie orchestra from the Hotel Roosevelt.  
**WEAO Columbus, Ohio** (293.9m-1020kc) 8:45 p. m. Headliners.  
**WFI Philadelphia, Pa.** (394.5m-760kc) 6:45 p. m. Adelphia dance orchestra.  
**WGHB Clearwater, Fla.** (265.3m-1130kc) 8:30 p. m. Open house program.  
**WGHP Detroit, Mich.** (270.1m-1110kc) 6 p. m. dinner concert, Hotel Tuller; 8:30, Little symphony orchestra; 8:30-9, Campers; 9 half hour; 9:10, Little symphony orchestra, soloists.  
**WGR Buffalo, N. Y.** (319m-940kc) 8-11, WEAF.  
**WGY Schenectady, N. Y.** (379.5m-790kc) 7:30 p. m. Eastman theater; 8:15, musicale, WEAM; 10, WFBL program.  
**WHN New York, N. Y.** (361.2m-830kc) 7 p. m. Faraday Club; 7:30, Loew's Lexington Theatre organ recital; 9, Loew's New York Theatre orchestra; 9:25, headliner; 9:30, Loew's 7th Ave. Theatre concert; 10, Roseland dance orchestra; 11:30, Silver Slipper orchestra.  
**WIP Philadelphia, Pa.** (508.2m-590kc) 6:05 p. m. Benjamin Franklin concert orchestra; 7, Uncle Wip's bedtime stories.  
**WJAX Jacksonville, Fla.** (336.9m-890kc) 8-8:30 p. m. Popular program; 8:30-9:30 classical program; 9:30-10, studio program.  
**WJR Detroit, Mich.** (516.9m-580kc) 7 p. m. Jean Goldkette's Petite symphony orchestra; soloists; 7:45, Good Will Oakland and Chief Pontiac; 9, studio program; 11, Murphy Brothers, organist, tenor, baritone; 12, Merry Old Chief and his Jesters.  
**WJZ New York, N. Y.** (454.3m-660kc) 7 p. m. Hotel Commodore dinner orchestra; 8, Imperial Imps; 8:30, Duerber Hamden Watchmakers; 9, E. A. White hour; 10:30, Hotel Astor dance orchestra.  
**WLIT Philadelphia, Pa.** (394.5m-760kc) 8 p. m. Concert orchestra; 8:30, WEAF; 9, Stanley theater hour; 10, dance orchestra.  
**WLW Cincinnati, Ohio** (422.3m-710kc) 7 p. m. Robert Visconti's orchestra; 7:40, Robert Visconti's orchestra; 8, headliner; 8:15, headliner; 10, Pink of programs; 11, organ recital, Johanna Grosse.  
**WLWL New York, N. Y.** (288.3m-1040kc) 9:30 p. m. Rose ensemble; 10, Dorothy Jardon, soprano.  
**WMCA New York, N. Y.** (340.7m-880kc) 6:30 p. m. Ernie Golden and his Hotel McAlpin orchestra; 7:30, Finkenberg's Radio Franks; 9, Altshul's quartette; 11:30, Nest Club orchestra; 12, McAlpin entertainers.  
**WNYC New York, N. Y.** (526m-570kc) 6:10 p. m. Piano selections.  
**WOO Philadelphia, Pa.** (508.2m-590kc) 7:30 p. m. Hotel Sylvia dance orchestra; 8:10, lecture, Temple University; 8:30, Sesqui Centennial concert; 10, Fox theater orchestra; 10:30, Sam Brown's dance orchestra.

**WOR Newark, N. J.** (405.2m-740kc) 6:15 p. m. Jacques Jacobs' Hotel Shelton ensemble; 6:45, Bill Wathey in sports; 7, Jacques Jacobs' Hotel Shelton ensemble; 8:15, Vanderbilt Hotel orchestra; 8:40, Vanderbilt Hotel orchestra; 9, Studio Guild hour.  
**WRC Washington, D. C.** (468.5m-640kc) 7 p. m. Hotel Washington orchestra; 7:30, U. S. Army band; 8:30-9, WEAF; 9, WEAF; 9:30, staff program; 10, WEAF; 10:30, dance music.  
**WRVA Richmond, Va.** (256.3m-1170kc) 6 p. m. Headliners.  
**WSAI Cincinnati, Ohio** (325.9m-920kc) 7:30 p. m. Bosworth artist series; 10, WEAF; 10:30, Congress Playing card string quartet.  
**WTAG Worcester, Mass.** (545.1m-550kc) 7 p. m. Powers Coal Miners; 7:30, WEAF; 8, Bancroft hotel orchestra; 8:30, WEAF; 9, program; 10, WEAF.  
**WTAM Cleveland, Ohio** (389.4m-770kc) 6:15 p. m. Guy Lombardo's Royal Canadians; 7:15, talks; 8, Public Auditorium program; 11, Jack Horwitz Collegian serenaders.  
**WWJ Detroit, Mich.** (352.7m-820kc) 6 p. m. Dinner concert; 8, WEAF; 8:30, Detroit News orchestra; 9, WEAF; 10, WEAF; closed Wednesday, Nov. 10 for repairs.

Central Time Stations

**CKY Winnipeg, Can.** (384.4m-780kc) 9-10 p. m. Prof. Gregori Gorbovitsky, violinist.  
**KFNF Shenandoah, Iowa** (461.3m-650kc) 7 p. m. Concert, Henry Field Seed company.  
**KMA Shenandoah, Iowa** (461.3m-650kc) 9-11 p. m. Two piano concert, Peregrin Brothers.  
**KMOX St. Louis, Mo.** (280.2m-1070kc) 6:30 p. m. Dinner music; 7, artists program; 8:30, orchestra; 9, Civic Organization program; 9:30, presentation, Varsity Troubadours; KMOX Radio orchestra.  
**KPRC Houston, Texas** (299.8m-1000kc) 7:30 p. m. Jack Willich's orchestra; 8:15, travel talk, Lawrence H. Daingerfield; 9:30, evening concert.  
**KTSH Hot Springs National Park, Ark.** (374.8m-800kc) 9:25 p. m. Headliner; 9:45-11:05, Pooley hour frolic.  
**KYW Chicago, Ill.** (535.4m-560kc) 6:30 p. m. Joska DeBarry and his orchestra; 7, Family hour; 9:10:30, Edison classical concert; 10:30-12, Congress carnival.  
**WBBM Chicago, Ill.** (226m-1330kc) 8:15 p. m. instrumental prelude; 8:15-8:45, around the world; 8:45-10, Harmony time; 12, Nutty club.  
**WCCO Minneapolis-St. Paul, Minn.** (416.4m-720kc) 6:45 p. m. Radio Pioneers hour; 8, WEAF; 8:30, headliner; 9, WEAF; 9:30, headliner; 10:30 Mariogold Ball Room orchestra; 11:30, organ recital, Eddie Dumstelter.

**WCOA Pensacola, Fla.** (252m-1190kc) 6:30 p. m. Evening program.  
**WDAF Kansas City, Mo.** (365.6m-820kc) 6-7 p. m. School of the air; 8-9, musicale; 9-9:30, WEAF; 11:45-1, Nighthawk frolic.  
**WEBB Chicago, Ill.** (370.2m-810kc) 7 p. m. Edgewater Beach hotel orchestra; 8, Florence Behrend, vocalist; 9-9:45, Edgewater Beach hotel orchestra; 9:45-10, Florence Behrend, vocalist; 11-12, Edgewater Beach hotel orchestra; Ward Perry, Earl Gibson; 12-12:30, informal revue.  
**WEMC Berrien Springs, Mich.** (315.6m-950kc) 8:15 p. m. Health talk, Dr. O. R. Cooper; recital, Prof. Thurber H. Madison.  
**WGN Chicago, Ill.** (302.8m-990kc) 6:45-7 p. m. Request program, Drake concert ensemble; Blackstone string quintet; 8:30-8:45, songs, Correll and Godwin; 9:10, Arabian Nights' entertainment; 10, Sam 'n' Henry; 10:10, Music Box; 10:20, songs, Tommy Coates; 10:30-12, The Pepper Party.  
**WHAD Milwaukee, Wis.** (275.1m-1090kc) 6:10 p. m. Wisconsin theater organ recital, Arthur Richter; 11:30, Wisconsin theater organ recital, Arthur Richter.  
**WHAS Louisville, Ky.** (399.8m-750kc) 7:30-9 p. m. Artists.  
**WHB Kansas City, Mo.** (365.6m-820kc) 7-8 p. m. program; 8-9:30, K. C. artist string trio; 10:45-11:45, midnight musicale.  
**WHO Des Moines, Iowa** (526m-570kc) 6-7 p. m. Bankers Life Little symphony; Myrtle Williams, soloist; 7:10-8, Hotel Ft. Des Moines orchestra; 7-9:30, program; 9:30-11:30, dance music.  
**WLIB Chicago, Ill.** (302.8m-990kc) 7-7:10 p. m. Dinner concert, Drake concert ensemble; Blackstone string quintet; 7:10, Old Fashioned Almanack and the Million Sing; 7:22, Adventures of Oney Fred Sweet; 7:30, recital, Tommy Coates, baritone; Edward Barry, pianist; 8, WEAF; 12-1 a. m. Coon Sanders Blackhawk Night club.  
**WLS Chicago, Ill.** (344.6m-870kc) 5:40 p. m. Al McLaugh, organist; 6, May and June; 6:40, Maurie Sherman's College Inn orchestra; 6:55, St. Spencer; 7, May and June; 7:15, duet, Old Town Coffee room; 8:10, orchestra; 8:30, musicale; 9, orchestra; artists; 10, Jack Chapman's orchestra; 10:30, Ralph Emerson, organist; 11-12, May and June; 12, Maurie Sherman's College Inn orchestra.  
**WMAQ Chicago, Ill.** (447.5m-670kc) 6 p. m. Chicago theater organ; 8, Gus Edwards orchestra; 9 music; 9:30, WMAQ air line.  
**WMBB Chicago, Ill.** (249.9m-1200kc) 7-8:30 p. m. Trioan duo; Bessie Beelman, contralto; Monte Blunn, tenor; 8:30-11, orchestra; artists.

**WOAI San Antonio, Texas** (394.5m-760kc) 8:30-9:30 p. m. Delaware Punch program.  
**WOC Davenport, Iowa** (483.6m-620kc) 9-9:30 p. m. WEAF.  
**WORD Chicago, Ill.** (275.1m-1090kc) 7 p. m. North Shore line; 7:45, ten minutes of good reading; 9, I. B. S. A. choral singers; 9:15, Bible lecture.  
**WQJ Chicago, Ill.** (447.5m-670kc) 7-8 p. m. Rainbo Gardens orchestra; concert; 10-2 a. m. Rainbo Gardens orchestra; Harry Geise; Jack Klein; Adelaide Kerkoff; Zeigler Sisters; Ingram Cleveland, violinist.  
**WSB Atlanta, Ga.** (428.3m-700kc) 10:45 p. m. Headliner.  
**WSM Nashville, Tenn.** (282.5m-1060kc) 6:45 p. m. Andrew Jackson hotel orchestra; 8, Vito and his Radio Seven; 10, headliners.  
**WSWS Chicago, Ill.** (275.1m-1090kc) 6 p. m. Dinner hour program; Terrace Garden orchestra; 8, Terrace Garden orchestra; Production, "Variety is the Spice of Life"; 10, Daddy's kids; harmony; Bert Davis, Peter Farro, accordionist; Rastus and Dinah; Clarence Sullivan, Irish tenor; 12 midnight, Witching hour.

Mountain Time Stations

**KOA Denver, Colo.** (322.4m-930kc) 6:30 p. m. Brown Palace string orchestra; 8, Scheuerman's Colorado orchestra; 8:15, studio program.

Pacific Time Stations

**KFI Los Angeles, Calif.** (467m-640kc) 7 p. m. Virginia ballroom orchestra; 7:30, Nick Harris; 8-9, program, California Petaluma corp.; 9:10, Patrick Marsh dance orchestra; 10-11, Sunset instrumental quartet.  
**KFWB Hollywood, Calif.** (252m-1190kc) 6-7 p. m. Pontiac dinner hour; 7:50, news; 8-9, program, John Wright, the right tailor; 9-10, Bill Hatch and his orchestra; 10-11, Warner Brothers frolic.  
**KGO Oakland, Calif.** (361.2m-830kc) 6-6:55 p. m. Stanislas Bem's Little symphony; 8:30, Bem's Little symphony; 9, address.  
**KHJ Los Angeles, Calif.** (405.2m-740kc) 6:30-7:30 p. m. children's hour; 8-10, Stewart-Warner quartet and others; 10-11, Jerry Grant and his dance orchestra.  
**KLX Oakland, Calif.** (508.2m-590kc) 6:30-7 p. m. Athens Athletic club orchestra; 9-10, program.  
**KMTR Hollywood, Calif.** (370.2m-810kc) 6-7 p. m. Radio press agent; 7-7:50, musical program; 8-9, KMTR concert orchestra; 9-10, L. A. Ry dance orchestra; 10-12, Palais de Danse.  
**KPO San Francisco, Calif.** (428.3m-700kc) 6:30-7 p. m. States Restaurant orchestra; 7-7:30, Rudy Seiger's Fairmont hotel concert orchestra; 8-9, Atwater

# KARAS EQUAMATIC

## The Five-Tube Wonder Circuit That Has the Whole Country Talking—LISTENING—and Building

HOW would you like to build a five tube radio frequency receiver that brings in every station WITH EQUAL VOLUME AND CLEARNESS from one end of the dial to the other?

How would you like to have a receiver that possesses an ALMOST UNBELIEVABLE SELECTIVITY—that enables you to CUT RIGHT THROUGH powerful local stations—to reach out after DX whenever you want to, WITHOUT THE SLIGHTEST POSSIBILITY OF LOCAL INTERFERENCE, and with an entire absence of scratchy, raspy, so-called static noises?

How would you like to own a receiver whose SWEET, CLEAR, PURE, MELLOW TONES were full-rounded, distinct and NATURAL—never fuzzy, flurry or distorted?

You can have such a set in the KARAS EQUAMATIC. You can easily and quickly build this receiver yourself in a remarkably short time. You can possess THE FINEST RADIO RECEIVER in your neighborhood—one which will out-perform any other set regardless of price or size.

The KARAS EQUAMATIC is something NEW in radio—something BETTER—something more PRECISELY ENGINEERED—something INFINITELY MORE EFFICIENT—than ANY OTHER RECEIVER ever before offered to all who really know radio and who want THE BEST.

It has been rightly called the KARAS EQUAMATIC FIVE-TUBE WONDER CIRCUIT. It's a set the like of which radio fans have never before seen.

Engineers who have examined it—who have studied its principle of operation—who have exhaustively tested its performance under every conceivable condition—have been amazed at the manner in which it has SOLVED THE BIGGEST PROBLEM OF RADIO, in a simple, easily understood, AUTOMATIC manner—and solely through its application of absolutely correct engineering principles. Practically every prominent radio magazine in the country is now featuring this circuit.

Radio fans who have built the KARAS EQUAMATIC FIVE-TUBE WONDER SET have also discovered that here at last is something entirely new in their whole radio experience—a new kind of TONE QUALITY—a new demonstration of VOLUME AND SELECTIVITY—plus a new principle of AUTOMATIC TUNING that makes all other systems obsolete because lacking in the very essentials that a radio set should possess to be in keeping with present day knowledge and scientific development.

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It was no small feat to design a radio receiver in which ALL OF THE MANY PERPLEXING PROBLEMS OF TUNING have been FINALLY and DEFINITELY solved through the invention of KARAS AUTOMATICALLY TUNED INDUCTANCE COILS and other KARAS parts—but it was a STILL GREATER ACHIEVEMENT to produce in the KARAS EQUAMATIC a TONE QUALITY that is ENTIRELY NEW in the field of radio frequency. THE KARAS EQUAMATIC has a marvelous golden tone that has been both the goal and the despair of radio set manufacturers ever since the era of broadcasting began.

You will find in the KARAS EQUAMATIC a quality of richness, fullness and of true tonal beauty. Its tone is never harsh—it is never coarse—just PURE, CLEAR, SWEET MELODY at every wave length setting of the dials—for EVERY station.

The remarkable tone of the KARAS EQUAMATIC is due to peak efficiency at all wave lengths and to the scientifically correct mechanical and electrical characteristics of the circuit and to the use of KARAS HARMONIK AUDIO FREQUENCY AMPLIFYING TRANSFORMERS, which amplify all of the many vital harmonics and rich overtones that combine to form what we know as audible musical sounds.

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Naturally you want a receiver that has the MOST SELECTIVITY. In the KARAS EQUAMATIC you will find a complete realization of all you ever have hoped for in this direction. The entire problem of selectivity has been solved by the EQUAMATIC principle, combined with the use of KARAS ORTHOMETRIC STRAIGHT FREQUENCY LINE VARIABLE CONDENSERS and KARAS MICROMETRIC VERNIER DIALS. Because of this remarkable selectivity there is NO OVERLAPPING OF STATIONS. Each station comes in clear and sharp and full tone at its proper place on the dial.

The selectivity of the circuit is accompanied by a remarkable volume, due to a big gain per each stage of radio frequency and to the employment of the powerful KARAS HARMONIK TRANSFORMERS for two audio stages.

Easy to Build This Wonder Set

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A 16 page manual of simple wiring diagrams and complete instructions for assembling this receiver is packed with each set of KARAS EQUAMATIC INDUCTANCE COILS. In this manual are minutely detailed instructions for the placing of every wire—the making of every connection—the correct positioning of every part. With the aid of this manual and the necessary KARAS parts you can have this wonderful receiver in operation in a remarkably short time. To build the EQUAMATIC RECEIVER you will need the KARAS parts listed on the accompanying coupon, plus other standard parts easily obtainable anywhere.

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Thousands of dealers throughout the country can supply the necessary Karas parts for building this powerful, rich-toned and selective receiver. If your local dealer is not able to fill your order, you can secure your Karas parts direct from us by filling out and mailing the coupon. SEND NO MONEY. Just hand the postman the price of the parts plus a few cents postage.

Order your parts from your dealer or from us TODAY. Build one of these sensationally better five-tube EQUAMATIC RECEIVERS right away, so that you can enjoy all of the pure, rich, full tone qualities—the remarkable selectivity—and the superb volume that it has to offer you in return for a few hours most pleasantly spent in building this totally satisfactory set.

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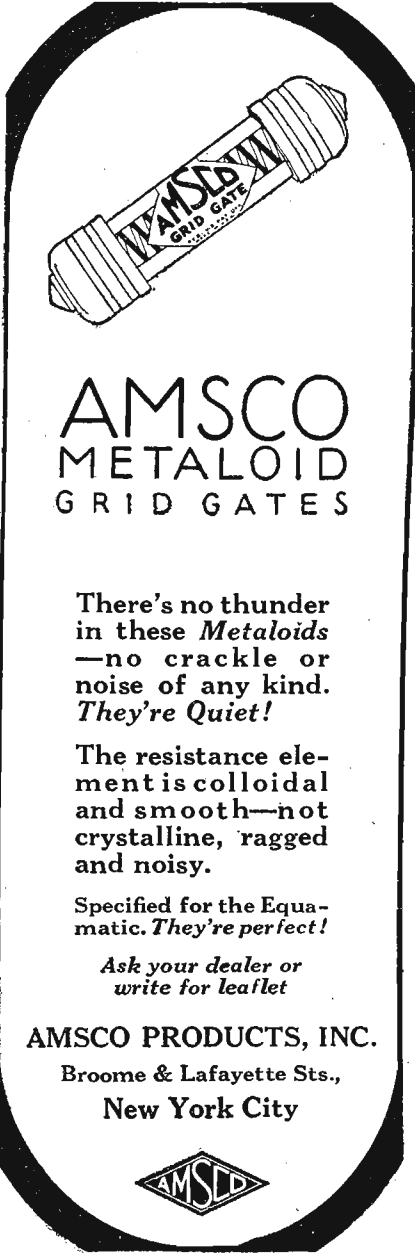
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 KARAS EQUAMATIC SUB PANEL BRACKETS. To insure the necessary exact positions of primary and secondary coils these brackets are essential. Price, set of three, 70c. Two of these are used for the two stages of audio frequency amplification. It has a 63 to 1 vernier and tunes to 1/1000 of an inch. Price, \$3.50.

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Kent artists; 9-10, Cliff hotel dance orchestra; 10-11, States Restaurant orchestra; 11-12, Cabiria cafe orchestra.  
**KWSC Pullman, Wash. (348.6m-860kc)** 7:30 p. m. Concert, talks.

Wednesday, silent night for: **KFDM, KLDS, KMMJ, KOIL, KPSN, KTAB, KUOA, KWWG, WABO, WBAL, WBAP, WBBR, WCCB, WFAA, WFI, WGBF, WGSB, WGPC, WHAR, WIP, WJAZ, WMC, WOAL, WOAW, WPC, WSUI, WTIC.**

**THURSDAY**

**Headliners, November 4**

Eastern	Central	Mountain	Pacific
6:30 p. m.	5:30	4:30	3:30
WTIC (475.9m-630kc) Mrs. Kenneth Collins, soprano.			
7:30	6:30	5:30	4:30
WSAI (325.9m-920kc) Maxwell House Coffee club orchestra and quartet.			
8	7	6	5
KDKA (309.1m-970kc) "In the Days of the Czar," KDKA Little symphony.			
8:15	7:15	6:15	5:15
KFNF (461.3m-650kc) Riverview club, Nebraska City, Neb.			
8:30	7:30	6:30	5:30
WBFR (416.4m-720kc) George Twarosch, pianist; Fred Williams, tenor.			
8:45	7:45	6:45	5:45
WCHD (344.6m-870kc) Fourth Seasonal opening concert.			
9	8	7	6
WLV (422.3m-710kc) Heher quartet.			
9:15	8:15	7:15	6:15
WQJ (447.5m-670kc) Calumet Baking Powder company employees' 36-piece band.			
9:30	8:30	7:30	6:30
WJAZ (454.3m-660kc) Margaret Merrier mixed quartet.			
9:45	8:45	7:45	6:45
WV (422.3m-710kc) Morgan Ruffner, tenor.			
10	9	8	7
KOIL (305.9m-980kc) Douglas Dodge and his famous Scotch trio.			
10:15	9:15	8:15	7:15
KPRC (299.8m-1000kc) Records' Ramblers.			
10:30	9:30	8:30	7:30
WHAS (399.8m-750kc) Hawaiian music.			
10:45	9:45	8:45	7:45
WFAA (475.9m-630kc) Mrs. A. Smith, soprano; Mrs. H. Parks, contralto.			
11	10	9	8
WLV (422.3m-710kc) Cincinnati Zither players.			
11:15	10:15	9:15	8:15
KPRC (299.8m-1000kc) Southern Pacific Lines Glee club.			
11:30	10:30	9:30	8:30
KTHS (374.8m-800kc) Accordion concert, Joe Kuntz.			
11:45	10:45	9:45	8:45
WGW (379.5m-790kc) Vladimir Karapetoff, pianist.			
12	11	10	9
KTHS (374.8m-800kc) Dance frolic.			
12:15	11:15	10:15	9:15
KGO (361.2m-830kc) "Robin Hood," comic opera.			
12:30	11:30	10:30	9:30
KTHS (374.8m-800kc) Special offerings.			
12:45	11:45	10:45	9:45
WCCO (416.4m-720kc) Third Infantry band.			
1	12	11	10
KFWB (252m-1190kc) Raquel Nieto, soprano.			
1:15	12:15	11:15	10:15
KHJ (405.2m-740kc) Virginia Hemenway's Harmony Girls.			

**Headliners, November 11**

Eastern	Central	Mountain	Pacific
8 p. m.	7	6	5
WLS (344.6m-870kc) Armistice program.			
8:15	7:15	6:15	5:15
WRVA (256.3m-1170kc) American legion, review of camp life, 34th Infantry band.			
8:30	7:30	6:30	5:30
KOIL (305.9m-980kc) Ambassadors.			
8:45	7:45	6:45	5:45
WHAS (399.8m-750kc) Reynolds-Kent Kentucky Hotel Cardinals.			
9	8	7	6
KOIL (305.9m-980kc) Armistice Day program.			
9:15	8:15	7:15	6:15
KPRC (299.8m-1000kc) Skyline studio concert.			
9:30	8:30	7:30	6:30
WHAS (399.8m-750kc) W. Clyde Martin, director.			
9:45	8:45	7:45	6:45
WIB (365.6m-820kc) Kansas City Mexican band.			
10	9	8	7
WMAQ (447.5m-670kc) Armistice day program.			
10:15	9:15	8:15	7:15
KTHS (374.8m-800kc) Organ requests, Lawson Reid.			
10:30	9:30	8:30	7:30
WJAZ (454.3m-660kc) Armistice Day program.			
10:45	9:45	8:45	7:45
WOAW (526m-570kc) Sunshine program.			

Eastern	Central	Mountain	Pacific
10:30 p. m.	9:30	8:30	7:30
KTHS (374.8m-800kc) Dance frolic, Meyer Davis orchestra.			
10:45	9:45	8:45	7:45
KPRC (299.8m-1000kc) Alvin Owsley's talk.			
11:30	10:30	9:30	8:30
WLS (344.6m-870kc) Organ; May and June; College Inn orchestra.			
1 a. m.	12	11	10
KHJ (405.2m-740kc) Harriet Andrews, soprano.			

**Educational Features**

Eastern	Central	Mountain	Pacific
7 p. m.	6	5	4
WDAF (365.6m-820kc) School of the Air.			
7:30	6:30	5:30	4:30
WLV (422.3m-710kc) Nov. 4, Educational talk.			
9	8	7	6
KUOA (299.8m-1000kc) University Extension lectures. Nov. 4, "Propagation of Roses," "The New Typewritten Examination," "The Celebration of Holidays in the Lower Grades," "Diet and Pellagra," Nov. 11, "Tronds in Secondary Education, Chemistry—Clothing the Family," "Teaching Boys and Girls the Value of a Dollar."			

**Regular Features**

**Eastern Time Stations**

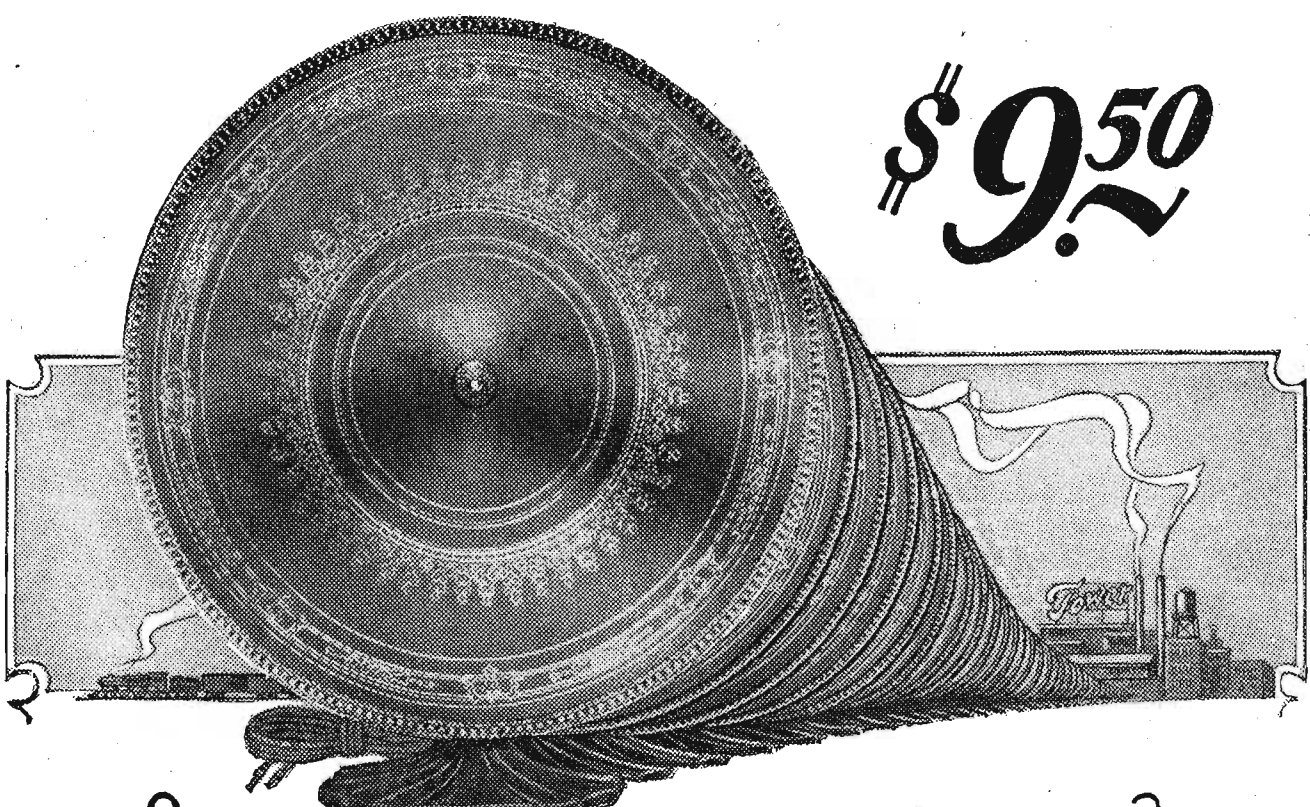
**CFCA Toronto, Can. (356.9m-840kc)** 8:15 p. m. musical program, Luigi Romanelli and his orchestra.  
**KDKA Pittsburgh, Pa. (309.1m-970kc)** 6:15 p. m. KDKA Little symphony orchestra; 8, program; 11:15, Flotilla club.  
**PWX Havana, Cuba (399.8m-750kc)** 8:30 p. m. Cuban program.  
**WAAM Newark, N. J. (263m-1140kc)** 7:15 p. m. musicale; 10, DeVita's orchestra; 11, Frank Dailey's Meadowbrooks.  
**WBAL Baltimore, Md. (246m-1220kc)** 6:30-7:30 p. m. dinner orchestra; 7:30-8, organ recital; 8-9, musical program, instrumental and vocal selections; 9-10, ensemble; 10-11, staff concert; Maud Albert, contralto; Celia Brace, violinist; Sol Sax, pianist; 11-12, dance orchestra.  
**WBBR New York, N. Y. (416.4m-720kc)** 8 p. m. headliner.  
**WCAU Philadelphia, Pa. (277.6m-1080kc)** 6:45 p. m. Clarence Seaman's orchestra; 7:30, Snellenburg recital; 8, Sandler's Serenaders; 8:30, Archie Lloyd, songs; 8:45, Getz Go-Getters; 9, Montbard

Follies; 9:30, Musical Chefs; 10, The Hood Boys; 10:30, Parodians' dance orchestra; 11, Club Cadix revue.  
**WCX Detroit, Mich. (516.9m-580kc)** 6-7 p. m. dinner program; Goldkette ensemble; 8-9, studio program.  
**WEAF New York, N. Y. (491.5m-610kc)** 6 p. m. dinner music; 7, mid-week hymn sing, auspices of the Greater New York Federation of churches; 7:30, famous characters in literature; 8, Coward Comfort hour; 8:30, Schiekerling quartet, WEEI, WFI, WGR; 9, Gijquot Club Eskimos, WEEI, WJAR, WTAG, WFI, WCAE, WSAL, WJAZ, WGR, WJW, WOC, WCCO, KSD, WGN; 10, Goodrich Zippers, WEEI, WFI, WCAE, WWJ, WGR, WOC, WCCO, WTAG, KSD, WSAL, WJAR, WGN, WSSH, WTAM; 11, Vincent Lopez and his orchestra from Casa Lopez.  
**WEAO Columbus, Ohio (293.9m-1020kc)** 8:15 p. m. headliner.  
**WFI Philadelphia, Pa. (394.5m-760kc)** 8 p. m. The Serenaders; 8:30, recital; 9, WFI; 10, WFI.  
**WGHB Clearwater, Fla. (265.3m-1130kc)** 7:30 p. m. American Legion band.  
**WGHP Detroit, Mich. (270.1m-1110kc)** 6 p. m. dinner concert; Hotel Tuller; 10-11, WGHP Frolickers; 11-12, Skylarkers.  
**WGR Buffalo, N. Y. (319m-940kc)** 6:30-7:30 p. m. Vincent Lopez Hotel Statler orchestra; 8-11, WEAF.  
**WGY Schenectady, N. Y. (379.5m-790kc)** 6:30 p. m. dinner music; Ten Eyck hotel; 7:45, program, Syracuse university; 9, WJZ; 10, Vladimir Karapetoff, pianist; 10:30, program.  
**WHN New York, N. Y. (361.2m-830kc)** 6:30 p. m. Charn Club orchestra; 7, Iceland dance orchestra; 8, Will Oakland's Chateau; 8:30, Loew's Gates Theatre Overture and Vaudeville; 9:30, Billy Day, songs and piano; 11, Swanee Club orchestra; 11:30, Cotton Club orchestra; 12, The Playground.  
**WIP Philadelphia, Pa. (508.2m-590kc)** 6:05 p. m. Benjamin Franklin concert orchestra; 7, Uncle Wip's bedtime stories; 8, Sensui Centennial concert; 10:05, Benjamin Franklin hotel dance orchestra.  
**WJR Detroit, Mich. (516.9m-580kc)** 7 p. m. Jean Goldkette's Petite symphony orchestra; soloists; 7:30, Ide and Meginnity, entertainers; 9, studio program.  
**WJZ New York, N. Y. (454.3m-660kc)** 7 p. m. Hotel Pennsylvania dinner orchestra; 7:55, United Press Sporting news; 8, First National presentation, WRC; 9, Royal hour of music, WRC, WGV, WBZ will also broadcast; 10, Program; 10:30, Jack Denny's Frivolity Club orchestra.  
**WLIT Philadelphia, Pa. (394.5m-760kc)** 7:30 p. m. concert orchestra.  
**WLW Cincinnati, O. (422.3m-710kc)** 7 p. m. Robert Visconti's orchestra; 7:40, Visconti's orchestra; 8,

headliner; 8:45, headliner; 9, piano memories, Mary Louise Woscezek; 9:30, headliner; 10, Castle Farmers; 10:15, Latonia Melody boys; 10:45, Irene Downing and Tommy Reynolds; 11:15, Castle Farmers; 11:30, Missouri and Florence Kinney; 12:15 a. m. Night Howls.  
**WLWL New York, N. Y. (288.3m-1040kc)** 9 p. m. Question box; 9:30, Florine trio; 10:30, Castleton instrumental trio.  
**WMCA New York, N. Y. (340.7m-880kc)** 7 p. m. Jimmy Carr's Monte Carlo orchestra; 7:30, Grel-Meister's Hungarian orchestra; 9, Solow soloists; 11, Ernie Golden and his Hotel McAlpin orchestra; 12, Broadway nite.  
**WNYC New York, N. Y. (526m-570kc)** 6:40 p. m. piano selections; 7:20, piano selections.  
**WOO Philadelphia, Pa. (508.2m-590kc)** 11 a. m. organ recital; 12:02 p. m. Tea Room orchestra; 4:45, organ recital; 7:30, Hotel Sylvania dance orchestra.  
**WOR Newark, N. J. (405.2m-740kc)** 6:15 p. m. Jacques Jacobs' Hotel Shelton ensemble; 6:45, Bill Wathey in sports; 7, Jacques Jacobs' Hotel Shelton ensemble; 8, Vaughn de Leath "The Radio Girl"; 9, French Line program, S. S. Paris orchestra.  
**WRC Washington, D. C. (468.5m-640kc)** 7 p. m. dinner music; 8, WJZ; 8:30, bridge; 9, WJZ; 10-11, Hotel Mayflower orchestra.  
**WRVA Richmond, Va. (256.3m-1170kc)** 8:15 p. m. evening program; 11, Carry me back to Old Virginia.  
**WSAI Cincinnati, Ohio (325.9m-920kc)** 6:40 p. m. talk, Cincinnati Better Business commission; 6:45, chimes; 7, Olympian Coffee club half hour; 10, WEAF.  
**WTAG Worcester, Mass. (545.1m-550kc)** 8 p. m. program; 8:30, Standardeyne trio; 9, WEAF; 10, WEAF.  
**WTAM Cleveland, Ohio (389.4m-770kc)** 6 p. m. Hollenden hotel orchestra; 7:30, studio program; 9, WEAF; 10, studio program; 11, Guy Lombardo's Royal Canadians.  
**WTIC Hartford, Conn. (475.9m-630kc)** 6 p. m. Hotel Heublein trio; 6:30, Mrs. Kenneth Collins, soprano; 7, midweek religious sing; 7:30, staff artists; 8, Outlet Owlets; 8:30, Capitol theater presentation.  
**WWJ Detroit, Mich. (352.7m-820kc)** 6 p. m. dinner concert; 8, WEAF. Closed Nov. 11 for repairs.

**Central Time Stations**

**CKY Winnipeg, Can. (384.4m-780kc)** 8:30-9 p. m. studio program; 9-10, J. A. Banfield company's concert.  
**KFNH Shenandoah, Iowa (461.3m-650kc)** 7 p. m. headliner.



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KOIL Council Bluffs, Ia. (305.9m-980kc) 6:03 p. m. Skinner Mig. company program; 7:30, headliners; 11, Ambassadors.

KPRC Houston, Texas (299.8m-1000kc) 8 p. m. evening program.

KTHS Hot Springs National Park, Ark. (374.8m-800kc) 9:10-15 p. m. headliners; 10:15, Specialties.

KYV Chicago, Ill. (535.4m-550kc) 6:30 p. m. Joska DeBary and his orchestra; 7, family hour; 8, "Twenty Minutes of Good Reading," Rev. C. J. Fernin; 8:20-9, Congress studio; 9:10-30, classical concert; 10:30-12, Congress carnival.

WBAF Fort Worth, Tex. (475.9m-630kc) 7:30-8:30 p. m. Panther Hawaiian trio; 9:30-11 Davis Baking Powder saxophone octet; 11-12, Southern Melody boys.

WBBM Chicago, Ill. (226m-1330kc) 8-8:15 p. m. instrumental prelude; 8:15-9, bright spots from comic operas; 9-10, melody hour; 10:15-10:30, Izaak Walton period; 10:30-11:15, variety hour; 11:15-12, Belmont theater gang.

WCBD Zion, Ill. (344.6m-870kc) 8 p. m. headliner.

WCCO Minneapolis-St. Paul, Minn. (416.4m-720kc) 8 p. m. WEAF; 10:20, headliner.

WDAF Kansas City, Mo. (365.6m-820kc) 6-7 p. m. school of the air; 8-8:30, varied program; 8:30-9, WEAF; 9-9:30, WEAF; 11:45-5, Nighthawk frolic.

WEBH Chicago, Ill. (370.2m-810kc) 7-8 p. m. Uptown theater; John Lingeman, cellist; 11, Edgewater Beach hotel orchestra; Hickey and Johnson; Rita McFawn; Cook Sisters.

WFFA Dallas, Tex. (475.9m-630kc) 6:30-7:30 p. m. Jimmy Joy's Baker hotel orchestra; 8:30-9:30, concert.

WGN Chicago, Ill. (302.8m-990kc) 6:45-7 p. m. request program, Drake concert ensemble; Blackstone string quintet; 8-10, WEAF; 10, San 'n' Henry; 10:10, The Music Box; 10:20, Mark Love, bass; Bobby Meeker's Drake hotel orchestra; 10:40-11, songs, Correll and Gosden.

WHAD Milwaukee, Wis. (275.1m-1090kc) 6:10 p. m. orchestra and vocal selection hotel orchestra; 8:30, classical studio program.

WHAS Louisville, Ky. (399.8m-750kc) 7:30-9 p. m. concert.

WHB Kansas City, Mo. (365.6m-820kc) 7-7:45 p. m. organ concert; 8-9:30, headliners.

WHO Des Moines, Ia. (526m-570kc) 7:30-8 p. m. Philbrick's Youtker tea room orchestra; 8-9, Bankers Life trio; 11-12, dance program.

WLIB Chicago, Ill. (302.8m-990kc) 7-7:10 p. m. dinner concert, Drake concert ensemble, Blackstone string quintet; 7:10, Old Fashioned Almanack and the Million Sing; 7:22, Adventures of Oney, Fred Sweet; 7:30-8, songs, Correll and Gosden; Coon-Sanders orchestra; 11-12, Ruth Farley, organist; songs, Correll and Gosden; Bobby Meeker's Drake hotel dance orchestra; waltz time; 12-1 a. m. Coon-Sanders Blackhawk club.

WLS Chicago, Ill. (344.6m-870kc) 6:30 p. m. sports; 6:40, Maitie Sherman's College Inn orchestra.

WMAQ Chicago, Ill. (447.5m-670kc) 6 p. m. Chicago theater organ; 6:30, Gus Edwards' orchestra; 8, orchestra; 8, program; 9:50, air line.

WMBB Chicago, Ill. (249.9m-1200kc) 7-8:30 p. m. Trianon ensemble; 8:30-11, orchestra; Arthur Truesdale.

WMB Memphis, Tenn. (499.7m-600kc) 8 p. m. talk on Memphis commerce; 8:30, Vesey Piano company ensemble.

WOAI San Antonio, Tex. (394.5m-760kc) 8:30-9:30 p. m. Radiola Super-Heterodyne hour.

WOAW Omaha, Nebr. (526-570kc) 6 p. m. Elks' organ; 6:50, Lillian Madsen, popular entertainer; 9, classical program.

WOC Davenport, Iowa (483.6m-620kc) 7-7:30 p. m. WEAF; 7:30-8, Moline Plowboys; 8-9, WEAF; 9-10, WEAF.

WORD (Chicago, Ill. (275.1m-1090kc) 7 p. m. Webster Hotel duo orchestra; 9, musicale.

WOJ Chicago, Ill. (447.5m-670kc) 7-8 p. m. Rainbo Gardens orchestra; specialty; 10-2 a. m. Rainbo Gardens orchestra; Harry Geise, Jack Klein, Adelaide Kerkoff; Gail Bandell, Sunshine girl; Lucky Wilbur, artists.

WSB Atlanta, Ga. (428.3m-700kc) 8 p. m. concert; 10:45, Charles A. Sheldon Jr., organist.

WSWS Chicago, Ill. (275.1m-1090kc) 6 p. m. dinner hour program; Terrace Garden orchestra; 8, production, the Magic Crystal; Terrace Garden orchestra; Hugh Aspinwall, tenor; Iloha Kincz, contralto; 10, Hallelujah boys; Terrace Garden orchestra; Rudolph Winter, baritone; Billy Schaefer tenor; Clementine de Gama, blues singer; 12, Witching hour program.

**Mountain Time Stations**

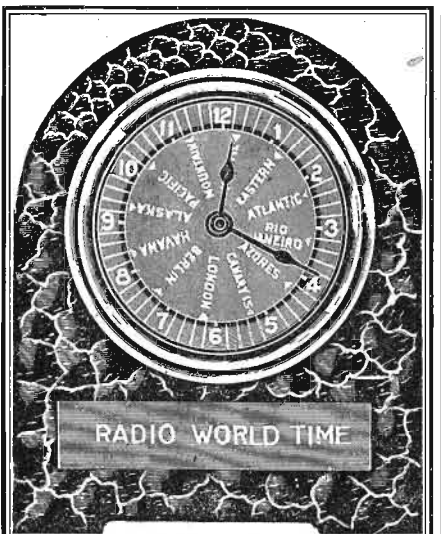
KOA Denver, Colo. (322.4m-930kc) 6:30 p. m. Brown Palace string orchestra.

**Pacific Time Stations**

KFI Los Angeles, Calif. (467m-640kc) 7-8 p. m. program by students of U. S. C.; 8-9, KFI drama hour; 9-10, varied hour; 10-11, Johnston and Farrell's music box revue.

KFWB Hollywood, Calif. (252m-1190kc) 6-7 p. m. Pontiac dinner hour; 7:50, news; 8-9, studio program; 9-10, Warner Brothers trio; 10-11, Warner Brothers irotic.

KGO Oakland, Calif. (361.2m-830kc) 6-6:55 p. m. Stanislas Bem's Little symphony; 8, Baldwin Piano company program; 10, Phil Lampkin's Musical Bears.



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KHJ Los Angeles, Calif. (405.2m-740kc) 6:30-7:30 p. m. children's hour; 8-10, Zeollner string quartet; 10-11, dance music.

KMTR Hollywood, Calif. (370.2m-810kc) 6-7 p. m. Radio press agent; 8-9, program, Rexall Drug Co.; 9-10, Cafe Lafayette dance orchestra; 10-12, Palais de Danse.

KPO San Francisco, Calif. (428.3m-700kc) 6:30-7 p. m. States Restaurant orchestra; 7-7:30, Rudy Seiger's Fairmont hotel concert orchestra; 8-9, U. of California; 9-10, Hawaiians; 10-11, Mandarin Cafe orchestra.

KPSN Pasadena, Calif. (315.6m-950kc) 8-9 p. m. musical program.

Thursday silent night for: CFCA, KFAB, KFDM, KFPH, KFOA, KFUO, KMA, KMOX, KOA, KOE, PWX, WAHG, WAMD, WEAQ, WEB, WEMC, WGBF, WHAD, WJAX, WMAK, WOS, WSM, WSUI, WTAM.

**FRIDAY**

**Headliners November 5**

Eastern 5:30 p. m. WFAA (475.9m-630kc) Martha Porter and musicians. 7:30 WCOA Pensacola, Fla. (252m-1190kc) U. S. Naval Air Station band.

Central 4:30 WDAF Kansas City, Mo. (365.6m-820kc) 6-7 p. m. school of the air; 8-8:30, varied program; 8:30-9, WEAF; 9-9:30, WEAF; 11:45-5, Nighthawk frolic. 6:30 WMAQ Chicago, Ill. (447.5m-670kc) 6 p. m. Chicago theater organ; 6:30, Gus Edwards' orchestra; 8, orchestra; 8, program; 9:50, air line.

Mountain 3:30 WGN Chicago, Ill. (302.8m-990kc) 6:45-7 p. m. request program, Drake concert ensemble; Blackstone string quintet; 8-10, WEAF; 10, San 'n' Henry; 10:10, The Music Box; 10:20, Mark Love, bass; Bobby Meeker's Drake hotel orchestra; 10:40-11, songs, Correll and Gosden.

Pacific 2:30 WLS Chicago, Ill. (344.6m-870kc) 6:30 p. m. sports; 6:40, Maitie Sherman's College Inn orchestra.

Eastern 7:30 p. m. WEAF (491.5m-610kc) Madelyn Sheppard, soprano; Claude Reese, tenor. WFAA (475.9m-630kc) Colby Smith's Southern Serenaders. 7 WBB (365.6m-820kc) Zelna and Zada, Maddock Twins. WOJ (447.5m-670kc) Dramatic hour. Columbia College of Expression. WTIC (475.9m-630kc) Garber's Artisans. WWJ (352.7m-850kc) Michigan night. 8:30 KOIL (305.9m-980kc) Program for Sweeney school. WBAP (475.9m-630kc) Fine Arts Department. Baylor college. WHAS (399.8m-750kc) Concert, Southern Baptist Theological seminary. WLS (344.6m-870kc) "Hill Tops of Literature," John M. Stahl. WOO (508.2m-590kc) Harriette G. Ridley, pianist. 8 WAHG (315.6m-950kc) Fourth Annual Brooklyn Radio exposition. WCOA Pensacola, Fla. (252m-1190kc) Mrs. C. M. Kelly, vocalist. WGR (319m-940kc) Winger's Crescent Park entertainers, Village Grocery store. WHO (526m-570kc) Sigma Alpha Iota, National Music sorority. WMAQ (447.5m-670kc) "Firates of Penzance." WNYC (526m-570kc) Choir of Episcopal Church of Good Shepherd. WSM (282.8m-1060kc) C. F. Davis and his orchestra.

Central 6:30 WDAF Kansas City, Mo. (365.6m-820kc) 6-7 p. m. school of the air; 8-8:30, varied program; 8:30-9, WEAF; 9-9:30, WEAF; 11:45-5, Nighthawk frolic.

Mountain 5:30 WGN Chicago, Ill. (302.8m-990kc) 6:45-7 p. m. request program, Drake concert ensemble; Blackstone string quintet; 8-10, WEAF; 10, San 'n' Henry; 10:10, The Music Box; 10:20, Mark Love, bass; Bobby Meeker's Drake hotel orchestra; 10:40-11, songs, Correll and Gosden.

Pacific 4:30 WLS Chicago, Ill. (344.6m-870kc) 6:30 p. m. sports; 6:40, Maitie Sherman's College Inn orchestra.

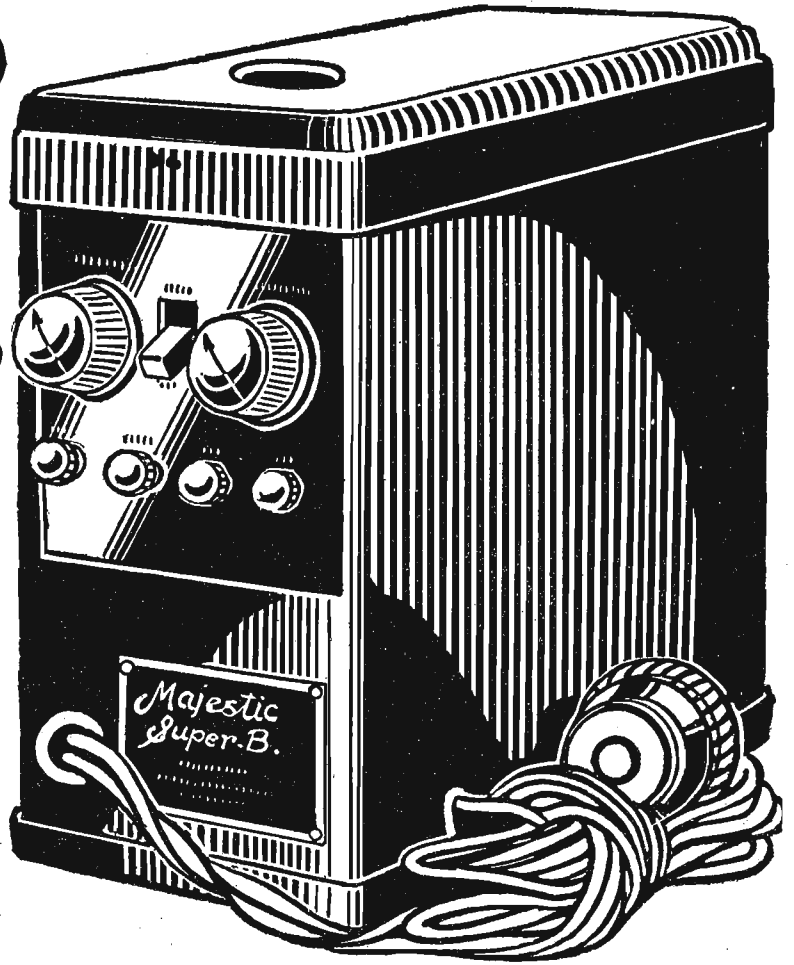
Eastern 9:20 WCOA Pensacola, Fla. (252m-1190kc) Howland duo. 9:30 WFAA (475.9m-630kc) Schubert choral club recital. WRVA (256.3m-1170kc) Edgeworth party night. 9:50 WCOA Pensacola, Fla. (252m-1190kc) Harry T. Howland, Sr., harmonica king. 10 WBAL (245.8m-1220kc) Musical scenario, "Moments With Musical Prodiges." WEMC (315.6m-950kc) Old time hymn sacred concert. 10:10 KTHS (374.8m-800kc) Solo hour, staff artists. 10:25 KOA (322.4m-930kc) University of Denver alumni. 10:30 WBAP (475.9m-630kc) Talk, Ray Leeman, WCCO (416.4m-720kc) "Old Baumgartner," play. Summanna's trio. WOC (483.6m-620kc) Bernice Dreiger, organist; Mrs. John B. Malloy, soprano; Emil Hass, reader. 10:40 WBAP (475.9m-630kc) Texas Christian university. 11 WSM (282.8m-1060kc) Little Jack Little. 11:05 WCCO (416.4m-720kc) Vera Fitch, whistler; Bruce Clary, Saxophonist. 11:15 WLS (344.6m-870kc) WMAQ (447.5m-670kc) "Firates of Penzance."

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 Majestic Eliminator and RAYTHEON tube are both guaranteed for one year against electrical and mechanical defects. A printed guarantee enclosed with each unit.

**\$5.00 a Month, If Satisfied After Trial**

Only \$1.00 with the coupon brings the Majestic "B" Eliminator to your home on trial. Try it out thoroughly before you pay another penny. See how it improves reception. See how much more convenient than using batteries. Judge for yourself how it will save you money, and make your radio set more enjoyable. Then, if not satisfied, send it back at our expense and we'll refund your \$1.00 plus all transportation charges. If you decide to keep the Majestic "B" Eliminator, start paying only \$5.00 a month until you have paid the total price of only \$35.00. That's the price others ask for spot cash. We give you the lowest cash price on easy monthly payments you will never feel.

**Send Coupon**

Don't miss this opportunity to get the 1 year guaranteed Majestic "B" Eliminator at the rock-bottom cash price on easy monthly payments. Send coupon now while this offer lasts. Order by No. Y8789A, \$1.00 with coupon; \$5.00 a month; total price \$35.00.

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**STRAUS & SCHRAM, Dept. R4418 Chicago**  
 Enclosed find \$1.00. Ship special advertised Majestic "B" Battery Eliminator. I am to have 30 days free trial. If I keep it, I will pay you \$5.00 monthly. If not satisfied, I am to return it within 30 days and you are to refund my money and any express charges I paid.  
**Majestic "B" Battery Eliminator, No. Y8789A, \$35.**

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Eastern 12 mid. Central 11 Mountain 10 Pacific 9
WBAP (475.9m-630kc) Will Poster, organist.
WMC (499.7m-660kc) Frolic.

Headliners, November 12

8 p. m. 7 6 5
WCOA Pensacola, Fla. (252m-1190kc) Jack Hood, jazz specialist.
WFB (365.6m-820kc) Mono Motor Oil company.
WRVA (256.3m-1170kc) "An Old Music Room."

WEAF New York, N. Y. (491.5m-610kc) 6 p. m. dinner music; 7, orchestra; 7:30, headliners; 7:45, talk; 8, Happiness Candy Boys; 8:30, orchestral concert.

organ recital; 7:30, Hotel Sylvania dance orchestra; 8:10, hygiene talk; 8:30, WOO tourists; WOO orchestra; 9:30, Fox theater orchestra; 10, Sesqui-centennial concert; 10:30, Sylvania dance orchestra.

WEBB Chicago, Ill. (370.2m-810kc) 7 p. m. Edgewater Beach hotel orchestra; 8, Carlos Matvey, tenor; 9:45, Edgewater Beach hotel orchestra; 11-12, Edgewater Beach hotel orchestra, specialties.

Educational Features

Eastern 6:30 p. m. Central 5:30 Mountain 5:30 Pacific 3:30
WNVC (526m-570kc) Elementary French lesson.
WDAF (365.6m-820kc) School of the Air.
WNYC (526m-570kc) Advanced French lessons.

Regular Features

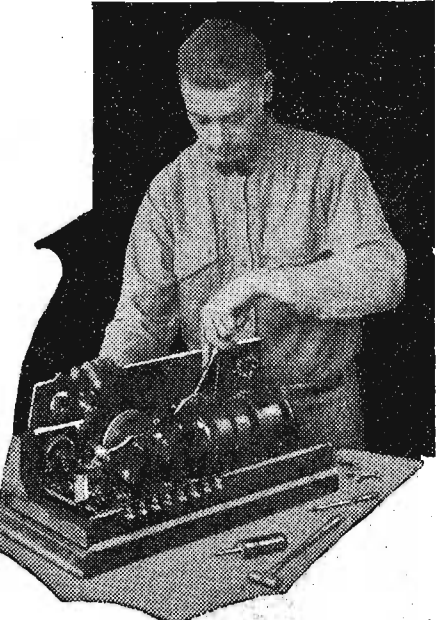
Eastern Time Stations
KDKA Pittsburgh, Pa. (309.1m-970kc) 6:15 p. m. Flo-tilla club; 8, concert; 9, Teaherry time.
WAHG Richmond Hill, N. Y. (315.6m-950kc) 7:30 p. m. studio program; 8, Grebe music hour; 9, artists' recital; 10:30, popular program.

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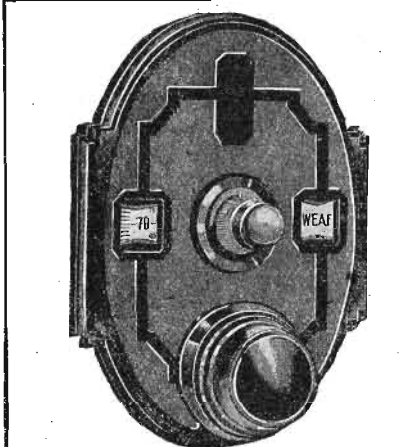
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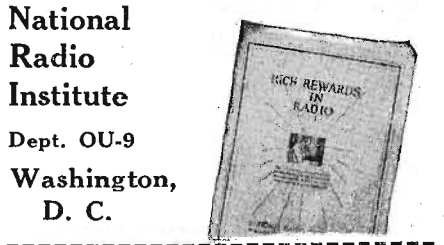
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NAME..... AGE..... ADDRESS..... CITY..... STATE.....

**WORD Chicago, Ill. (275.1m-1090kc)** 7 p. m. North Shore line; 7:45, World News digest; 9, station program.

**WQJ Chicago, Ill. (447.5m-670kc)** 7-8 p. m. Rainbo Gardens orchestra; specialty hour; 10-2 a. m., Rainbo Gardens orchestra; Harry Geise, Jack Klein, Adelaide Kerkoff; Zeigler Sisters, harmony duo; Hickey and Johnson, guitar artists; artists.

**WSB Atlanta, Ga. (428.3m-700kc)** 8 p. m. concert; 10:45, concert.

**WSM Nashville, Tenn. (282.8m-1060kc)** 6:45 p. m. Andrew Jackson hotel orchestra; 8, studio concert; 10, studio concert; 10:30, F. Arthur Henkel, organist.

**WSWS Chicago, Ill. (275.8m-1090kc)** 6 p. m. dinner hour program; Terrace Garden orchestra; 8, recital, Jean St. Ann, French baritone; Zola Haynes, pianist; Ethyl Gray, violinist; John Clark, baritone; 10, Mildred Colocio, blues singer; Terrace Garden orchestra; Oscar Heather, tenor; Art Becker, popular pianist; Sid Pierson, ballads; 12, Witching hour program; Terrace Garden orchestra.

**Mountain Time Stations**

**KOA Denver, Colo. (322.4m-930kc)** 6:30 p. m. Brown Palace string orchestra; 8, KOA orchestra; 8:15, studio program.

**Pacific Time Stations**

**KFI Los Angeles, Calif. (467m-640kc)** 7-8 p. m. popular program; 8-9, Aeolian organ recital; 9-10, semi-classical hour; 10-11, Packard ballad hour.

**KFWB Hollywood, Calif. (522m-1190kc)** 6-7 p. m. Pontiac dinner hour; 7:50, news; 8-9, program, Bert Farrar, Inc.; 9-10, Bill Hatch and his orchestra; 10-11, Warner Brothers frolic.

**KCO Oakland, Calif. (361.2m-830kc)** 6-6:55 p. m. Stanislas Bem's Little symphony.

**KHJ Los Angeles, Calif. (405.2m-740kc)** 6:30-7:30 p. m. children's hour; 8-10, feature program; 10-11, Marjold Gardens dance orchestra.

**KLX Oakland, Calif. (508.2m-590kc)** 8-9:30 p. m. special program; 9:30-10:30, Athens Athletic club orchestra.

**KMTR Hollywood, Calif. (370.2m-810kc)** 6-7 p. m. Radio press agent; 8-9, Lenore Duncau's ballad ensemble; 9-10, dance music; 10-12, Palais de Danse.

**KPO San Francisco, Calif. (428.3m-700kc)** 6:30 p. m. States Restaurant orchestra; 8:30-9, Cabiria cafe orchestra; 9-10, Palace Hotel Rose Room dance orchestra; 10-11, States Restaurant orchestra; 11-12, Cliff Hotel dance orchestra.

**KWSC Pullman, Wash. (348.6m-860kc)** 7:30 p. m. concert, talks.

Friday, silent night for: CFCA, CKNC, KFNE, KLD, KPRC, KPSN, KUOA, KWWG, PWX, WBBR, WCAD, WCBD, WFI, WGBS, WIP, WJAZ, WKRC, WLLT, WLW, WLWL, WREO, WSAL, WSMB, WSUI, WTAM.

**SATURDAY**

**Headliners, November 6**

Eastern 7:30 p. m.	Central 6:45	Mountain 5:45	Pacific 4:45
WEAF (491.5m-610kc) Robert Borsig, tenor.			
WEAF (491.5m-610kc) Cranston Brenton, drama league.			
CKNC (356.9m-840kc) Charles Bodley and his dance orchestra. Battery Brothers. Auction bridge.			
KFNE (461.3m-650kc) Dale H. Jahnke.			
WSAL (325.9m-920kc) Maxwell House Coffee club.			
WTAM (389.4m-770kc) Hollenden hotel orchestra.			
WTIC (475.9m-630kc) Hartford Composers' night.			

Eastern 8:30 p. m.	Central 7:30	Mountain 6:30	Pacific 5:30
KOIL (305.9m-980kc) Xenia Fouts, pianist.			
WFVA (475.9m-630kc) Tom Collins and his Mandolin and Guitar orchestra.			
WCCO (416.4m-720kc) Land o' Lakes quartet, banjos, ocharino and bagpipes.			
WBAP (475.9m-630kc) Sunflower Girl.			
KPO (428.3m-700kc) 6th Coast Artillery band.			
WTAM (389.4m-770kc) Euclid Ave. Congregational church.			
KFWB (252m-1190kc) Peggy Mathews, blues singer.			
WFVA (475.9m-630kc) Jack Gardner's Adolphus hotel orchestra.			
KFWB (252m-1190kc) Bureau Public safety program.			

**Headliners, November 13**

Eastern 7:10 p. m.	Central 6:10	Mountain 5:10	Pacific 4:10
WJZ (454.3m-660kc) City club contest, William O'Leary, William Green, Henry Rathbone.			
KFNF (461.3m-650kc) Scotch concert.			
WHAS (399.8m-750kc) Blue Grass Triple male quartet.			
WFVA (475.9m-630kc) Mozart choral club recital.			
WNAQ (447.5m-670kc) "North Dakota," Gov. Sortie.			
WBAP (475.9m-630kc) Alfred Broward's little symphony.			
WFVA (475.9m-630kc) Enrique Rasoplo, violinist. Artists.			

**Educational Features**

Eastern 7 p. m.	Central 6:30	Mountain 5:30	Pacific 4:30
WOAW (526m-570kc) Literary period.			
WOAW (526-570kc) Creighton educational period.			
WMAQ (447.5m-670kc) Photologues, Nov. 13, North Dakota.			

**Regular Features**

**Eastern Time Stations**

**KDKA Pittsburgh, Pa. (309.1m-970kc)** 6:15 p. m. dinner concert; Westinghouse band; 7:15, Radio chat; 8, concert.

**PWX Havana, Cuba (399.8m-750kc)** 8:30 p. m. frolic.

**WAAM Newark, N. J. (263m-1140kc)** 6 p. m. Ken Smith and his orchestra; 7, Bill Fellmeth; 10:30, Four Towers orchestra.

**WAHG Richmond Hill, N. Y. (315.6m-950kc)** 12 p. m. Mita Weizob's concert orchestra.

**WCX Detroit, Mich. (516.9m-580kc)** 6-7 p. m. dinner program, Goldkette ensemble.

**WEAF New York, N. Y. (491.5m-610kc)** 6 p. m. dinner music; 7, Janssen's Hofbrau orchestra; 7:30, headliner; 7:45, talk; 8, musical comedy hits by the WEAF comedy troupe; 9, Balkite hour, New York symphony; Walter Damrosch, WEEL, WGB, WFL, WCAP, WWJ, WSAT, WTAM, WGN, KSD, WCCO, WDAF; (regular) 10, WEAF Revue; 11, Vincent Lopez orchestra from Casa Lopez.

**WFI Philadelphia, Pa. (394.5m-760kc)** 6:45 p. m. Adelphia dance orchestra; 8:15, recital; 9, concert; 9:30, Starlight Players; 10:30, Adelphia French Room orchestra.

**WGR Buffalo, N. Y. (318m-940kc)** 9-10 p. m. WEAF.

**WGY Schenectady, N. Y. (379.5m-790kc)** 6:30 p. m. dinner program, Quondaga hotel, WFBL, WGY; 7:30, Shea's Buffalo hour, WMAK, WGY; 10:30, dance program.

**WIP Philadelphia, Pa. (508.2m-590kc)** 6:05 p. m. Benjamin Franklin concert orchestra; 7, Uncle Wip's bedtime stories; 8, sports corner, Dr. Francois D'Eisicu; 8:15, recital; 8:45, program from WGBS; 10:30, Arrowhead Inn dance orchestra from WGBS; 11:05, organ recital.

**WJAX Jacksonville, Fla. (336.9m-890kc)** 8-9 p. m. classical program; 9-10 Casa de Baile dance music.

**WJR Detroit, Mich. (516.9m-580kc)** 7 p. m. Jean Goldkette's Petite symphony orchestra, soloists; 9, studio program; 11:30, Merry Old Chief and his jesters.

**WJZ New York, N. Y. (454.3m-660kc)** 7 p. m. Football results; 7:10, Hotel Commodore dinner orchestra; 8, Don Voorhees orchestra; 8:25, Student concert of the Philharmonic society of New York; WRC will also broadcast; 10:30, Jack Denry's Frivolity Club orchestra, WRC will also broadcast.

**WLT Philadelphia, Pa. (394.5m-760kc)** 7:30 p. m. concert orchestra.

**WLW Cincinnati, Ohio (422.3m-710kc)** 7 p. m. organ concert, Johanna Grosse; 8, Sekatary Hawkins Radio club; 8:30, headliner; 9, dance music, Castle Farm.

**WMCA New York, N. Y. (340.7m-880kc)** 10:30 p. m. Nest Club orchestra; 11, Ernie Golden and his Hotel McAlpin orchestra; 12, McAlpin entertainers.

**WNY New York, N. Y. (526m-570kc)** 7 p. m. piano selections.

**WOO Philadelphia, Pa. (508.2m-590kc)** 7:30 p. m. Hotel Sylvania dance orchestra.

**WOR Newark, N. J. (405.2m-740kc)** 6:15 p. m. Jacques Jacobs' Hotel Shelton ensemble; 6:45, Bill Wathey in sports; 7, Hotel Shelton string ensemble; 8, Albert E. Sonn; 8:15, Vanderbilt Hotel orchestra; 8:40, Vanderbilt Hotel orchestra.

**WRC Washington, D. C. (468.5m-640kc)** 6:15 p. m. Kitt hour of music; 7:30, Hotel Washington orchestra; 8:25, WJZ; 10:30, WJZ; 11:30-12, Otto F. Beck, organist.

**WSAI Cincinnati, Ohio (325.9m-920kc)** 9 p. m. WEAF.

**WTAG Worcester, Mass. (545.1m-550kc)** 8:30 p. m. Bancroft hotel orchestra; 9, program; 10, WEAF.

**WTAM Cleveland, Ohio (389.4m-770kc)** 6:15 p. m. Hotel Cleveland orchestra; 7:30, studio program; 9, WEAF; 10, vaudeville program, Ev Jones' Merry-makers.

**WTIC Hartford, Conn. (475.9m-630kc)** 6 p. m. Hub Restaurant trio; 8, program.

**WWJ Detroit, Mich. (352.7m-820kc)** 9 p. m. WEAF. Closed Nov. 13 for repairs.

**Central Time Stations**

**CKY Winnipeg, Can. (384.4m-780kc)** 9:30-10:30 p. m. Herbert Sadler, organist.

**KFNF Sneedoah, Ia. (461.3m-650kc)** 7 p. m. headliner; 11, old time music.

**KMA Shenandoah, Ia. (461.3m-650kc)** 9-11 p. m. Greenlee Brothers.

**KMOX St. Louis, Mo. (280.2m-1070kc)** 6:30 p. m. Children's club; 7, Little Red Schoolhouse; 8, orchestra; 9, KMOX Minstrels; 9:30, orchestra; 10, dance music.

**KOIL Council Bluffs, Ia. (305.9m-980kc)** 6:03 p. m. Y Pioneer Radio club; 6:30, McCrory music period; 7, practical radio; 7:30, entertainers; 8, artists; 11, Ambassadors.

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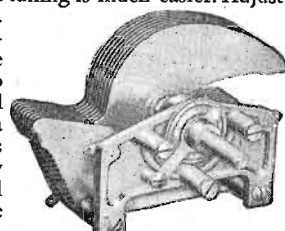
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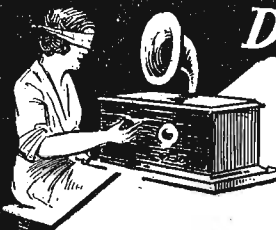
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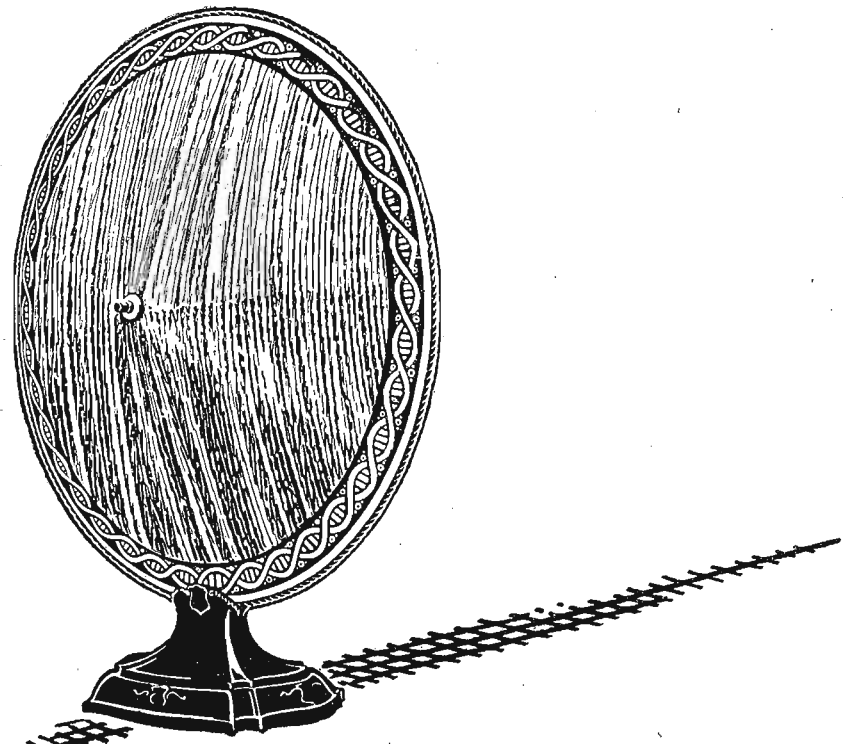


**KPRC Houston, Tex. (299.8m-1000kc)** 7:30 p. m. Bible class; 8, Skyline studio concert.  
**KTHS Hot Springs National Park, Ark. (374.8m-800kc)** 9:10-10 p. m. dance frolic; 10:15-10:45, Specialties.  
**KYW Chicago, Ill. (535.4m-560kc)** 6 p. m. bedtime story; 6:30, Joska DeBabary and his orchestra; Johnny Hamp and his orchestra; 7, Family hour; 9:10:30, classical concert; 10:30-12, Congress carnival.  
**WEAP Fort Worth, Tex. (475.9m-630kc)** 8-8:30 p. m. Pauline McCurry, pianist; 9:30-11, headliners.  
**WBBM Chicago, Ill. (226m-1330kc)** 8:45-9:15 p. m. harmony time; 9:15-9:25, safety play; 9:25-11:30, variety hour; 11:30-12:30, supper club; 12:30-2, Pacific Coast special.  
**WCCO Minneapolis-St. Paul, Minn. (416.4m-720kc)** 6:15 p. m. Wesley Barlow's Nicollet hotel orchestra; 8, WEAF; 9, headliner; 10:05, dance program, Wallie Erickson's orchestra.  
**WDAF Kansas City, Mo. (365.6m-820kc)** 6-7 p. m. school of the air; 8-9, WEAF; 9-10, around the town; 11:45-1, Nighthawk frolic.  
**WEBH Chicago, Ill. (370.2m-810kc)** 7 p. m. Edgewater Beach hotel orchestra; 11, orchestra; Sunset male quartet; 1-2, Edgewater Beach hotel orchestra; Joe Verges, Paul Small.  
**WFAA Dallas, Tex. (475.9m-630kc)** 6:30-7:30 p. m. Jimmy Joy's Baker hotel orchestra; 8:30-9:30, concert; 11-12, concert.  
**WGN Chicago, Ill. (302.8m-990kc)** 6:35-7 p. m. Drake concert ensemble; Blackstone string quintet; 8-9, WEAF; 9-10, Light opera period; 10, Sam 'n' Henry; 10:10, The Music Box; 10:20, song group; Mark Love, basso; 10:40-11, songs, Correll and Gosden.  
**WHAD Milwaukee, Wis. (275.1m-1090kc)** 6:10 p. m. orchestra and vocal selections, Wisconsin hotel orchestra.  
**WHAS Louisville, Ky. (399.8m-750kc)** 7:30-9 p. m. studio concert.  
**WLIB Chicago, Ill. (302.8m-990kc)** 7-7:10 p. m. dinner concert, Drake concert ensemble; Blackstone string quintet; 7:10-7:22, Old Fashioned Almanack and the Million Sing; 7:22, Adventures of Oney Fred Sweet; 7:30-7:45, Coon-Sanders Blackhawk orchestra; 7:45-8, Neighbor Daw in old time songs; 11-12 midnight, songs, Correll and Gosden; Ambrose Larsen, organist; Bobby Meeker's Drake hotel dance orchestra; 12-1 a. m. Coon-Sanders Blackhawk Night club.

**WLS Chicago, Ill. (344.6m-870kc)** 6:40 p. m. College Inn orchestra; 7, lullaby time; 7:15-1, barn dance.  
**WMAQ Chicago, Ill. (447.5m-670kc)** 6 p. m. Chicago theater organ; 6:30, Gus Edwards' orchestra; 8, popular song cycle; 8:30, photologue; 9, Chicago theater revue.  
**WMBB Chicago, Ill. (249.9m-1200kc)** 7-8:30 p. m. Trianon ensemble; artists; 8:30-11, Trianon orchestra, ensemble.  
**WMC Memphis, Tenn. (499.7m-600kc)** 8:30 p. m. entertainment.  
**WOAW Omaha, Neb. (526m-570kc)** 6:20 p. m. popular period; 9, program.  
**WOC Davenport, Iowa (483.6m-620kc)** 8-9 p. m. musicale.  
**WORD Chicago, Ill. (275.1m-1090kc)** 7 p. m. Webster hotel concert program; 9, studio program.  
**WQJ Chicago, Ill. (447.5m-670kc)** 7-8 p. m. Rainbo Gardens orchestra; specialty program; 10-3 a. m. Rainbo Gardens orchestra; Harry Geise, Jack Klein, Adelaide Kerkoff, artists.  
**WSB Atlanta, Ga. (428.3m-700kc)** 8 p. m. Atlanta Atwater Kent hour; 10:45, Ernest Rogers' Red Head club.  
**WSM Nashville, Tenn. (282.8m-1060kc)** 6:45 p. m. dinner concert; 8, barn dance.  
**WSWS Chicago, Ill. (275.8m-1090kc)** 6 p. m. dinner program, Terrace Garden orchestra; 8, production, Magic Crystal; Walter Dyckman, bass; 10, orchestra; Daddy's kids; Clementine de Gama, blues singer; John Clark, baritone; ballads, John Ude; 12 midnight, Witching hour.

**Mountain Time Stations**  
**KOA Denver, Colo. (322.4m-930kc)** 10:30 p. m. Scheuerman's Colorado orchestra.

**Pacific Time Stations**  
**KFI Los Angeles, Calif. (467m-640kc)** 7-8 p. m. program arranged by Paul Roberts, tenor; 8-9, program, L. A. Soap company; 9-10, Angelus string quartet; 10-11, Packard Radio club; 11-2 a. m., KFI midnight frolic.  
**KFWB Hollywood, Calif. (252m-1190kc)** 6-7 p. m. Pontiac dinner hour; 8-9, program, Mona Motor Oil Company; 9-10, headliner; 10-11, Warner Brothers frolic.  
**KGO Oakland, Calif. (361.2m-830kc)** 4-5 p. m. Stanislas Bem's Little symphony; 9-1, Hotel Whitcomb band; Frank Gibney, soloist.  
**KHJ Los Angeles, Calif. (405.2m-740kc)** 6:30-7:30 p. m. children's hour; 8-10, varied program featuring Karl Brandenburg, tenor; 10-11, Le Roy Parry and his orchestra.



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 This marvelous instrument is the result of five years' hard work by an organization of trained radio engineers. It is no experiment—thousands are in use—the results speak for themselves.

**There Will Be a Radio in Every Home**  
 Thousands have been waiting for just such a radio—a real long distance, powerful instrument—but at a price they can afford.  
 It is here, and live, wide-awake salesmen will recognize their opportunity immediately—they won't lose a single minute writing for full information.  
 Just as there are 100 Fords to one high-priced car, just so will there be 100 Vikings to every \$75.00 and \$100.00 radio—think what this means to men who get in on the ground floor right now.

**A \$25 Radio Which Will Equal a \$75 Radio**

Put a Model 599 Viking, which retails for \$25.00, alongside any radio retailing for \$75.00 and even more. Compare them for ease of tuning—only one dial to tune on the Viking—distance received, volume and tone. The results will make any man say, "I'll save that \$50.00."  
 Radio is today the biggest and quickest selling line—thousands are being sold—salesmen have made unheard-of profits. But here is a far greater, a far more interesting radio proposition than anyone ever dreamed of.

**Agents Wanted  
 Make \$100.00 a Week**

**You Should Make \$100.00 a Week Easily**

You can't help it—many will make more. Some will control a county—others will control many

counties. We have the liveliest radio selling plan of today—instruments of all prices—a radio price to fit every pocket book.  
 Any man who will follow our teaching cannot help but add big money to his present income and start to do it immediately. If you want more money here is your chance, but you'll have to act quick—others will jump at this chance.

**Sell Radio in Your Spare Time—Evenings**

You don't even have to give up your present position. The only time radio can be sold is in the evening—by demonstration. So here is a chance to add to your present income. During the past five years we have trained 4,364 men in this very profitable business.  
 You'll be the first one with a real low priced long distance radio—your price will startle everybody—the results will be even far more startling. Once you demonstrate you're sure of a sale. No one can think of investing \$75.00 to \$100.00 in a radio when this instrument will equal the results and your retail price is only \$25.00. Just think of the advantage you have. Sell a radio for only \$25.00, and yet make a handsome commission.

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Someone is going to get the big profit on the sale of these instruments in your community—is that someone going to be you? Write today for our 100 page book which fully describes not only this wonderful instrument but also a full line of radio at all prices. It's FREE for the asking.

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KMTR Hollywood, Calif. (370.2m-810 kc) 6-7 p. m. Radio press agent; 7-8, Fire and Police Depts. program; 8-9, KMTR concert orchestra; 9-10, studio program; 10-12, Palais de Danse.

KPO San Francisco, Calif. (428.3m-700kc) 6:30 p. m. States Restaurant orchestra; 9-10, Associated Packard dealers; 10-11; Cliff hotel dance orchestra.

KPSN Pasadena, Calif. (315.6m-950kc) 8-9 p. m. concert hour, instrumental ensemble, vocal artists.

Saturday, silent night for: CFCA, KFDM, KFUD, KOA, KTAB, KUOA, KWWG, WBAL, WCAL, WCAU, WCBD, WCV, WEEL, WEMC, WGBF, WGPC, WGHB, WGR, WJL, WHA, WHAD, WHB, WHN, WHO, WJAR, WLWL, WOAI, WOS, WRVA, WTAG, WTIC, WWJ.

SUNDAY

Church Services, Nov. 7

Eastern 10 a. m.	Central 9	Mountain 8	Pacific 7
WWJ (352.7m-850kc) Temple Beth El.			7:45
WOO (508.2m-590kc) Bethany Presbyterian church.			8
WCAU (277.6m-1080kc) First Unitarian church.			8
WIAS (399.8m-750kc) Fourth Avenue Presbyterian church.			8
WSAI (325.9m-920kc) Avondale Methodist Episcopal church.			8
11:45	10:45	9:45	8:45
KFNF (461.3m-650kc) First M. E. church.			8:50
11:50	10:50	9:50	8:50
KPRC (299.8m-1000kc) First Church of Christ, Scientist.			9:30
12:30	11:30	10:30	9:30
KOA (322.4m-930kc) Solemn High Mass.			9:30
KOIL (305.9m-980kc) First Congregational church.			9:30
WBAP (475.9m-630kc) First Methodist church; 5-6 p. m. Baptist seminary.			9:30
WMC (499.7m-600kc) First Baptist church.			9:30
2 p. m.	1	12	11
WEAF (491.5m-610kc) Church service.			2
5 p. m.	4	3	2
CHP (356.9m-840kc) Vesper choral service.			2
7:15	6:15	5:15	4:15
WIP (508.2m-590kc) Holy Trinity church.			4:30
7:30	6:30	5:30	4:30
WFI (394.5m-760kc) Arch Street Presbyterian church.			5:30
8:30	7:30	6:30	5:30
KFNF (461.3m-650kc) Presbyterian church.			5:30
KOA (322.4m-930kc) Al. A. Hank, organist.			5:30
WFAA (475.9m-630kc) First Baptist church.			5:30
8:30	7:30	6:30	5:30
KUOA (299.8m-1000kc) Central Presbyterian church.			5:30
WSM (282.8m-1060kc) First Presbyterian church.			5:45
8:45	7:45	6:45	5:45
KPRC (299.8m-1000kc) South Main Baptist church.			6
9	8	7	6
WHB (365.6m-820kc) First Church of Christ, Scientist.			6
WSB (428.3m-700kc) Wesley Memorial Methodist church.			6:30
9:30	8:30	7:30	6:30
WFAA (475.9m-630kc) Leland Johnson, talking baritone.			6:45
9:45	8:45	7:45	6:45
KOA (322.4m-930kc) Immaculate Conception cathedral.			7:30
10:30	9:30	8:30	7:30
KPRC (299.8m-1000kc) 143rd Infantry band.			

Church Services, Nov. 14

10:30 a. m.	9:30	8:30	7:30
KPRC (299.8m-1000kc), Mrs. Anna Clyde Plunkett and artists.			
WFI (394.5m-760kc) Arch Street Methodist Episcopal church.			
WIP (508.2m-590kc) Holy Trinity church.			
10:40	9:40	8:40	7:40
WHB (365.6m-820kc) Linwood Blvd. Christian church.			

Eastern 11:30 a. m.	Central 10:30	Mountain 9:30	Pacific 8:30
WSM (282.8m-1060kc) First Presbyterian church.			8:45
11:45	10:45	9:45	
KFNF (461.3m-650kc) Baptist church.			8:45
KPRC (299.8m-1000kc) St. Paul Methodist church.			12 n.
12 n.	11	10	9
WMC (499.7m-600kc) St. Mary's Episcopal cathedral.			9:10
12:10 p. m.	11:10	10:10	9:10
WHB (365.6m-820kc) Independence Blvd. Christian church.			9:10
4	3	2	1
KFNF (461.3m-650kc) Epworth League M. E. church.			9
WSM (282.8m-1060kc) Nashville Symphony orchestra.			9
5	4	3	2
CHIC (356.9m-840kc) Vesper choral service.			4:30
7:30	6:30	5:30	4:30
WOO (508.2m-590kc) Bethany Presbyterian church.			5:30
8:30	7:30	6:30	5:30
KUOA (299.8m-1000kc) First Baptist church.			5:45
WFAA (475.9m-630kc) Service City Temple.			5:45
8:45	7:45	6:45	5:45
KPRC (299.8m-1000kc) First Methodist church.			6
9	8	7	6
WHB (365.6m-820kc) Westport Methodist church.			6:30
9:30	8:30	7:30	6:30
WFAA (475.9m-630kc) Earle Jackson and maie quartet.			

Regular Features

Eastern Time Stations

CFCA Toronto, Can. (356.9m-840kc) 11 a. m. services; 7 p. m., St. Paul's Anglican church; 8:45, musical program.

KDKA Pittsburgh, Pa. (309.1m-970kc) 6:30 p. m. KDKA Little symphony orchestra; 7:30, service; 10:15, Maxwell House Coffee hour of music.

PWX Havana, Cuba (399.8m-750kc) 8:30-11:30 p. m. Cuban songs and music.

WBBR New York, N. Y. (416.4m-720kc) 10 a. m. music, choral singers; 2 p. m., Watchtower string quartet, vocal, Bible lecture; 8, Watchtower violin choir, vocal selections.

WCAU Philadelphia, Pa. (277.6m-1080kc) 11 a. m. service, First Unitarian church; 5, 25, sermon. Rev. John W. Stockwell; 6:45, Clarence Seaman's orchestra; 7:45, Cathy Garden orchestra; 8:30, Bonwit Teller Ensemble; 10, Al Zemsay's orchestra.

WXC Detroit, Mich. (516.9m-580kc) 7:15 p. m. Central Methodist Episcopal church.

WEAF New York, N. Y. (491.5m-610kc) 6 p. m. Shakespearean play; 7:20, musical program from the Capitol theater, WEEL, KSD, WRC, WWJ, WJAR, WCAE, WTAG; 9:15, Atwater-Kent radio hour, WEEL, WGR, WRC, WWJ, WSAI, WGN, WCCO, KSD, WJAR, WTAG, WCAE, WTAM, WOC, WFI.

WFI Philadelphia, Pa. (394.5m-760kc) 4:30 p. m. studio services.

WGR Buffalo, N. Y. (319m-940kc) 10:45 a. m. service; 7:45, Central Presbyterian church; 9:15-10:15, WEAF.

WGY Schenectady, N. Y. (379.5m-790kc) 10:45 a. m. First Methodist Episcopal church; 3 p. m., musicale; 4:30, organ recital, Elmer A. Tidmarsh; 7:30, service; 9, WJZ; 10:15, WJZ.

WHN New York, N. Y. (361.2m-830kc) 6:30 p. m. Libby's Hotel orchestra; 11:30, The Playground; 12, Anatol Friedland orchestra.

WIP Philadelphia, Pa. (508.2m-590kc) 9:30 p. m. concert.

WJAX Jacksonville, Fla. (336.9m-890kc) 11 a. m. services; 8, services.

WJR Detroit, Mich. (516.9m-580kc) 10 a. m. First Baptist church; 10 p. m. special song service, First Baptist church.

WJZ New York, N. Y. (454.3m-660kc) 7 p. m. Park Avenue Baptist Church Carillon; 7:20, Hotel Ambassador trio; 8:30, Hotel Commodore concert orchestra, WGY will also broadcast; Godfrey Ludlow, violinist; 10:15, Maxwell House Coffee hour, WJZ, WRC, WGY & KDKA will also broadcast.

WLIT Philadelphia, Pa. (394.5m-760kc) 2 p. m. Arcadia cafe concert orchestra.

WMCA New York, N. Y. (340.7m-880kc) 6 p. m. Romer's Homers; 7, Ernie Golden and his Hotel McAlpin orchestra; 10, Jimmy Carr's Monte Carlo orchestra.

WOO Philadelphia, Pa. (508.2m-590kc) 2:30 p. m. Sunday School musical exercises; 6, organ recital, Clarence K. Lawden.

WRC Washington, D. C. (468.5m-640kc) 11 a. m. service; chapel; 7:20, WEAF; 9:15, WEAF; 10:15, WJZ.

WSAI Cincinnati, Ohio (325.9m-920kc) 11 a. m. service; 4:5-5:30 p. m. WEAF; 7:45-10:15, WEAF.

WTAG Worcester, Mass. (545.1m-550kc) 7:20 p. m. WEAF; 9:15, WEAF.

WTAM Cleveland, Ohio (389.4m-770kc) 11 a. m. service; 3 p. m. musicale; 6, Hollenden hotel orchestra; 7, Stillman theater orchestra; 8, services; 9:15, WEAF; 10:15, Austin Wylie's Vocalion Recording orchestra.

WWJ Detroit, Mich. (352.7m-820kc) 10 a. m. service; 2 p. m. Detroit News orchestra; 4, vesper service; 7:20, WEAF; 9:15, WEAF.

Central Time Stations

CKY Winnipeg, Can. (384.4m-780kc) 11 a. m. Wesley church; 7-8:30 p. m. First English Lutheran church; 9-10, Royal Alexander hotel.

KFNF Shenandoah, Iowa (461.3m-650kc) 10:45 a. m. services; 2:30 p. m. Seed House song service; 3, seedling; 6:30, Golden Rule Circle; 7:30, services.

KMA Shenandoah, Iowa (461.3m-650kc) 12:15-1:30 p. m. mixed musical program; 4-5, sacred program.

KMOX St. Louis, Mo. (280.2m-1070kc) 9 p. m., Sunday night club.

KOIL Council Bluffs, Iowa (305.9m-980kc) 11 a. m. First Congregational church; 7, children's hour; 7:30, Dean Nordin and his orchestra; 11, Ambassadors.

KPRC Houston, Texas (299.8m-1000kc) 7:45 p. m. church service; 9:30, evening concert; 11, Texan theater pipe organ.

KTHS Hot Springs National Park, Ark. (374.8m-800kc) 11 a. m.-12:15 p. m. First Baptist church; 9-9:45, Meyer Davis ensemble, classic hour concert; 9:45-10:30, Lawson Reid, organist; 10:30-11:30, Arkansas Traveler Radio Train, Conductor Lon Chassy and his 10 merry trauimen.

KUOA Fayetteville, Ark. (299.8m-1000kc) 7:30 p. m. services.

KYW Chicago, Ill. (535.4m-560kc) 11 a. m. Central church service; 4:30 p. m., Edwin Harper; 7:30, Sunday evening club; 9:30-11, classical concert.

WBAP Fort Worth, Texas (475.9m-630kc) 11 a. m. First Methodist; 5-6 p. m. vesper services, Baptist seminary; 9:30-11, Sorin-White Texas hotel orchestra.

WBBM Chicago, Ill. (226m-1330kc) 8-8:15 p. m. instrumental prelude; 8:15-9, trip around the world; 9-10, Melody hour; 12, Nutty club.

WCCO Minneapolis-St. Paul, Minn. (416.4m-720kc) 10:50 a. m. services; 4:10 p. m. House of Hope Presbyterian church; 6:20, Second Church of Christ, Scientist; 8:15, WEAF; 9:15, musical program, Chippewa Indians; 10:30, St. Paul Municipal organ recital, Hugo Philler Goodwin.

WDAF Kansas City, Mo. (365.6m-820kc) 3-4 p. m. Star's orchestra; 4-4:45, vespers.

WEBC Chicago, Ill. (370.2m-810kc) 5 p. m., Seventh Church of Christ Scientist; 5-6, twilight musicale; 7-9, artists' program.

WEMC Berrien Springs, Mich. (315.6m-950kc) 11 a. m. studio sacred services; 8:15 p. m. chapel.

WFAA Dallas, Texas (475.9m-630kc) 6-7 p. m. Bible class; 7:30-8:30, services; 8:30-9:30, artists; 11-12, orchestra.

WGBF Evansville, Ind. (236.1m-1270kc) 7:30 p. m. services.

WGN Chicago, Ill. (302.8m-990kc) 6:45-7 p. m. Blackstone string quintet; solo artist; 7, The Million Sing; 7:20, Old Fashioned Almanack; 7:30, Drake concert ensemble; Correll and Gosden; 8, Auld Sandy; 8:15, WEAF; 9:15, Our Music Room; 10, Sam 'n' Henry; 10:10, Armand Buisseret, violinist; 10:20, Bible reading; 10:30-11, Coon-Sanders orchestra.

WHAD Milwaukee, Wis. (275.1m-1090kc) 3:15 p. m. Turverein concert.

WHAS Louisville, Ky. (399.8m-750kc) 10 a. m. services; 4:30-5:30 p. m. choral evensong.

WHB Kansas City, Mo. (365.6m-820kc) 9:40 a. m. Linwood Blvd. Christian church; 11:10-12:30, Independence Blvd. Christian church; 7-7:45, Dr. Burris A. Jenkins; 8-9, Westport Methodist church; 11:15-1, Morrill Moore, organist; Don Anchors, poet.

WHO Des Moines, Iowa (526m-570kc) 11 a. m. First Church of Christ Scientist; 5-6 p. m. Bankers Life Little symphony; 7:30-9, Paul Christianson's Hotel Ft. Des Moines orchestra; 11-12, musical program.

WLIB Chicago, Ill. (302.8m-990kc) 5-6:15 p. m. Herbert Johnson, pianist; Leon Lichtenfeld, cellist; Tommy Coates, baritone; Blackstone string quintet.

WLS Chicago, Ill. (344.6m-870kc) 10:45 a. m. University of Chicago service; 12:30, Eisie Mae Look, organist; 1:45-2:30, chapel service; 6-8, WLS Little Brown church.

WMBB Chicago, Ill. (249.9m-1200kc) 3-6 p. m. Sunday afternoon concert; 7:40, church service; 9-11, Trionon orchestra, artists.

WMC Memphis, Tenn. (499.7m-600kc) 11 a. m. church service.

WOAI San Antonio, Texas (394.5m-760kc) 11 a. m. First Presbyterian church; 7:45 p. m. Central Christian church.

WOAW Omaha, Nebr. (526m-570kc) 9 a. m. Omaha Gospel tabernacle; 1:30 p. m., Father Flanagan's Boys' home period; 2:30, classical; 9, chapel service.

WOC Davenport, Iowa (483.6m-620kc) 1-2 p. m. old folks' musicale; 6:30-7, church service; 8:15-9:15, WEAF; 10-11, Palmer Little symphony.

WORD Chicago, Ill. (275.1m-1090kc) 10 a. m. I. B. S. A service; 2:30 p. m. Chicago Rapid Transit company program; 3:30, Bible lecture; 7, Webster hotel duo orchestra; 9, I. B. S. A. choral singers.

WQJ Chicago, Ill. (447.5m-670kc) 10:45 a. m.-12:45 p. m. Peoples church; 5-6, musical program; 10-11, popular program; Rainbo Gardens orchestra; Jack Klein, Adelaide Kerkoff, Harry Geise.

WSB Atlanta, Ga. (428.3m-700kc) 5 p. m. sacred concert; 8, services.

WSM Nashville, Tenn. (282.8m-1060kc).

Mountain Time Stations

KOA Denver, Colo. (322.4m-930kc) 10:30 a. m. church service; 7:45 p. m. church service

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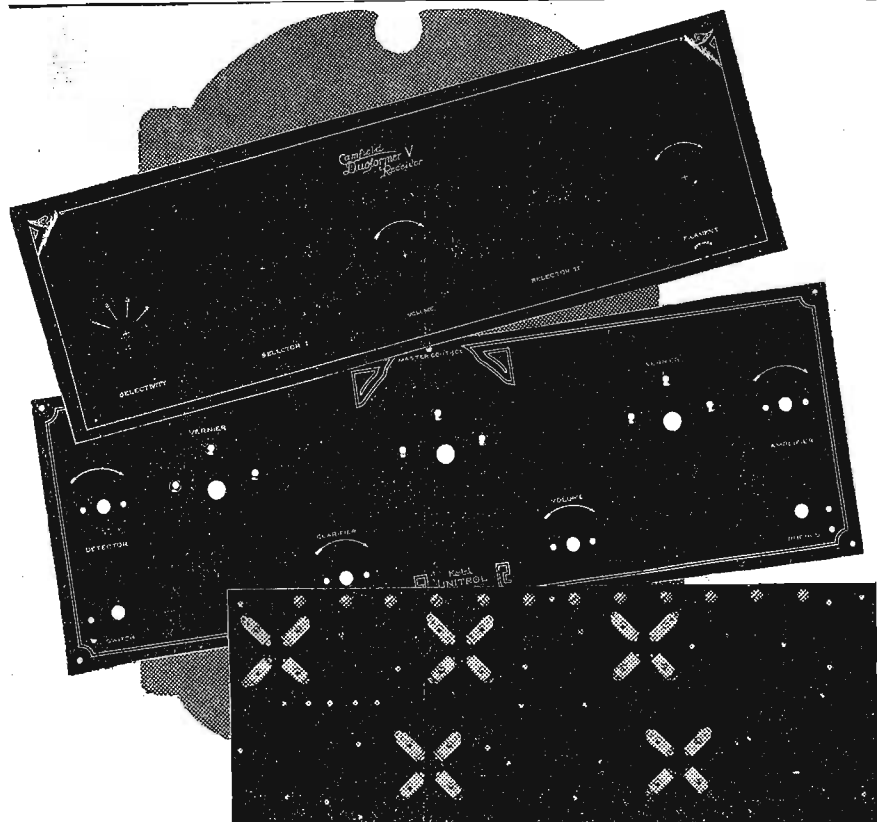
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### Pacific Time Stations

**KFI** Los Angeles, Calif. (467m-640kc) 7-8 p. m. Jack Smith's dance orchestra; 8-9, Aeolian organ recital; 9-10, Bob Bottger's Venetians; 10-11, Packard Six dance orchestra.  
**KFWB** Hollywood, Calif. (252m-1090kc) 9-11 p. m. Warner Brothers Sunday night movie serial.  
**KHJ** Los Angeles, Calif. (405.2m-740kc) 7-8 p. m. service, First M. E. church; 8-10, Request program by Orpheus Four male quartet and Frederick MacMurray, viola soloist.  
**KMTR** Hollywood, Calif. (370.2m-810kc) 6:30-7 p. m. Leila Castberg's half hour; 7-8, Cafe Lafayette string quartet; 8-10, classical program from main studio.  
**KPO** San Francisco, Calif. (428.3m-700kc) 6 p. m. States Restaurant orchestra; 6:35, Palace hotel concert orchestra; 8:35-10, Rudy Seiger's Fairmont hotel concert orchestra.  
**KPSN** Pasadena, Calif. (315.6m-950kc) 10:30 a. m. Family Altar service, United Brotherhood.

Sunday, silent night for: **CKAC**, **CKNC**, **CNRA**, **CNRW**, **CNRE**, **CNRN**, **CNRG**, **CNRT**, **CNRV**, **CNRW**, **KFKF**, **KMA**, **KWWG**, **PWX**, **WAHG**, **WCFI**, **WDAA**, **WEBJ**, **WFI**, **WGBF**, **WGHB**, **WGHP**, **WHAD**, **WHAS**, **WJJD**, **WJR**, **WLIT**, **WLWL**, **WMAO**, **WMC**, **WNYC**, **WOI**, **WOOD**, **WOR**, **WSMB**, **WRVA**, **WTIC**.

### "GOODY GOODY GIRL"

(Continued from page 9)

patted the girl's shoulder and cried: "That's being a sport. Give it here. I'll go place it for you. On Skylark, of course."  
 "No. I want to bet it on Sombbrero."  
 "Sombbrero!" Becker's black eyes opened wide. "Oh, say, don't toss it away like that without a run for your money. Don't let Lancaster's hunch, that wild dream of a hat—"  
 "I'm playing a hunch of my own, no one else's. Please go bet it for me on Sombbrero or tell me where I can do so."  
 Becker shrugged. "Very well. I'll do it, but I think you are very foolish. Wait here and I'll be back in a moment."  
 He mingled with the crowd and disappeared in the direction of the cashiers' cages.

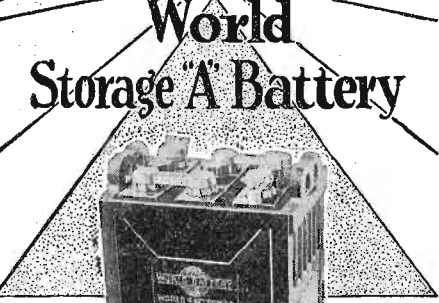
While they waited for his return Victor Jermin's voice suddenly spoke behind them. "Well, well, look who is here. I didn't know I'd find you. Where's Neil? Oh—Mrs. Gayton, let me present my friend, Mr. Herbert Coles. And Miss Sylvester—"

### CHAPTER VIII

#### Mystery

PRESENTLY they saw Neil Becker returning, shouldering his way toward them athwart the tide of humanity now beginning to leave the pavilion to watch the big race of the day.  
 "Your money's up, foolish child," he informed Lois. "I hope you kissed it goodby."  
 "Oh, no; just so long," she retorted. "I expect to have it back after the race with a lot of little brothers to keep it company."

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KDKA WSBC WFAF KYW

"Fat chance," Becker jeered. "Well, folks, let's get out. The beetles ought to be on the track by now."

The nervous, prancing thoroughbreds were indeed leaving the paddock gate as they emerged from the pavilion and Becker led the way up a short flight of steps to their box. Lois found Herbie Coles beside her as they sat down.

"You certainly had me fooled," he whispered. "Who'd ever expect to find you singing in a cabaret, even for a lark; or lapping up highballs, dancing and now betting on the ponies?"

"Just sampling a lot of experiences I never had before," she replied. "This betting thing, for instance. I put up only ten dollars."

"I've got up every cent I could rake—two hundred dollars," he told her. "Oh, well, it's a cinch. Race is fixed, you know."

EVEN so, 'there's many a slip,' she quoted.

"Good lord, I hope not this time." He laughed nervously. "I'd be flattened for fair. Well, it won't be long now."

She glanced at the horses parading past the judges' stand. "No, it won't be long," she agreed. "Which one is Sombbrero?"

"Sombbrero?" He flashed her a startled glance. "You're not betting on Sombbrero? I thought they," he indicated Becker and

Jermin, "were down hook, line and sinker on Skylark."

"They are. But I put my money on Sombbrero."

He heaved a sigh of relief. "I thought I might have misunderstood. Everything's all right, after all. Sombbrero is that sorrel, Number 4. I'd like to wish you luck on him but you'd know I didn't mean it. Ah, they're lining up at the barrier."

The field was indeed at the post, a squirming, twisting line of highly-strung animals, crumpling and reforming behind the taut rubber rope that spanned the track, shoulder-high, while assistant starters pulled and drove and urged and dodged flickering heels.

In the grandstand and the infield, darkened by thousands, a hush of expectancy suddenly settled over the noise and confusion. Then a mighty roar as the barrier flashed up, liberating that wave of horseflesh back of it; the quick thud of flying feet pounding; the track and the race was on.

The field of a dozen, closely bunched, came sweeping past the stand for the first time, all the early speed in the race concentrated in a desperate, daring effort to get out in front, snatch the rail and stay there to the finish. All around her there was shouting as first this horse and that lunged out ahead and briefly set the pace but Lois heard it all as only one vast, confused sound.

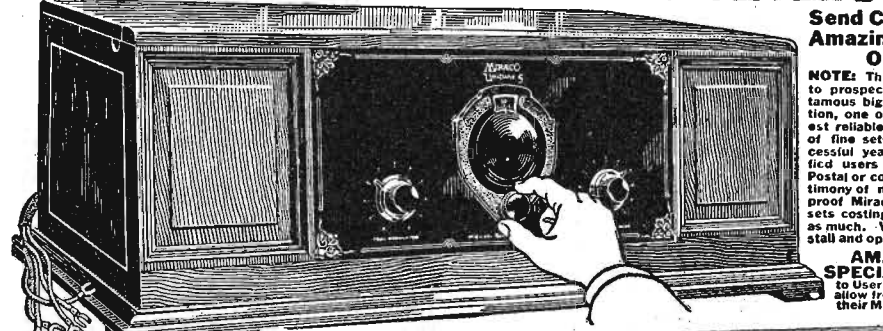
HER eyes had found and held a shining-coated, smooth-running sorrel automaton half-way back in the field. Sombbrero stayed there as the first turn was reached and the field strung out and the colors of the jockeys began a kaleidoscopic shifting about. At the half-mile post he began creeping up, working his way out of the second division toward the front. At the three-quarters there was a sudden shift among the leaders, a bay shot out at increased pace and drew clear by a length.

"The beginning of the end," said Becker's voice. At Lois' side Herbie Coles suddenly cackled excitedly. "Skylark is way out in front; it's all over but the shouting," he cried shrilly.

The racers had reached the head of the stretch now. Lois bent far over the railing of the box. The splotch of bay that was steadily rising and falling next to the rail still seemed to have things his own way. Then from the little knot immediately back of him a sorrel streak came around to the outside, straightened and came with a rush to challenge the leader.

The gap between them was closing as they flashed past the mile post. Skylark's rider drew whip, brought it down sharply across the animal's flanks. Skylark responded gamely but the strain had begun to tell on him and Sombbrero drew up and kept on creeping until they were duel-

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**HAS NO EQUAL FOR TONE, VOLUME, DISTANCE.** North Wildwood, N.J. "Miraco best packed set I ever saw shipped. Words cannot express the wonderful tone quality, volume, and distance. First night I received it was KGO, Oakland, Calif. Up to last night, the 5th day, I have received exactly 103 stations, further they are KGO, Oakland, Calif. on loudspeaker. Also Porto Rico, Cuba and Canada. Francis E. Leo.

**EXTRA QUALITY PLEASES EVERYONE.** Philadelphia, Pa. "Everyone that hears the Miraco is very pleased with its tone, volume, distance, etc. I tuned in during my International Test Week KGO, Oakland, Calif. and WLS, Chicago, Ill. Also KGW, Cuba; KGH, Honolulu, Hawaii; and also a station in Buenos Aires, Argentina. Geo. W. Hill, Jr.

**WISCONSIN HEARS COAST TO COAST.** Racine, Wis. "I got station ZLO London last Wednesday night on my Miraco. Heard a choir sing and announcement. Have also heard F.W.K. Havana, Cuba; C.Y.Z. Mexico City and 104 American stations from coast to coast. Lawrence Risberg.

**SELECTIVITY—CUTS THROUGH STRONG LOCALS.** Detroit, Mich. "I am more than satisfied with my Miraco. You can cut through local stations, and this is done with a quarter of a turn. In every way it is a simply perfect. Charles Paul.

**UTAH ENJOYS COAST TO COAST PROGRAMS.** Heber City, Utah. "The Miraco sure can't be beat at any price. Coast to coast it sure does and more. I have had stations in New York and Cuba in the east, and scores of other stations on the west coast. I have logged up to date 150 stations and they all come in wonderfully. Monte Giles.

**MIRACO WINS AGAINST 3 OTHER NAMES.** Pearlman, Penn. "I tried three other makes and the Miraco is the best of them all. Received KFI, Los Angeles, Calif. on loudspeaker. O. H. Richards.

Nacogdoches, Texas. "On my Miraco I have heard stations from Texas to San Francisco and from Mexico City to Pittsburgh. Walter H. Frisberg.

**COAST TO COAST LIST AND CLEAR.** Duluth, Minn. "We logged over 30 stations and got over 1500 miles on the loud speaker the first night—our first experience with a radio. The third night we got W.J.X. Jacksonville, Florida; and KFI Los Angeles, Calif., on the loudspeaker. Neighbor says Miraco is the best they have ever heard. O. R. Wolf.

**MIRACO BEATS A SUPER EIGHT.** Cobalt, Ontario, Canada. "Miraco is one of the best radios I have heard of in the country. There is a man here who has a big Super eight and our Miraco beat it. W. Saunier.

**OUTPERFORMS SOME \$300 SETS.** Blakes, Ga. "I am well pleased with my Miraco. It does beat the other machines. Best cost \$300 or more. J. D. Tison.

**REFUSED TO TRADE IT FOR ANY OTHER SET.** "Over 31 stations brought in first night on loud speaker. I ordered the Miraco for a friend and he is more than pleased. I offered to trade my Westcoyne for it but he refused and it has the name of the best set in the community. M. E. Eaton.

**PENNSYLVANIA BEGINNER GETS 'EM ALL OVER.** Corry, Pa. "I bought a Miraco one month ago and have received over 115 stations. It has outperformed all other sets in the United States, Canada, and Mexico. I think this is the best radio ever made by anyone that never had any experience before. Clarence Drugfelder.

**LIKES IT BETTER THAN \$150 --\$250 SETS.** Westville, Ill. "Miraco sure is a wonderful set. I get the stations easily without noise—that is one of the things I like about the Miraco. I've had three other sets that have ranged from \$150 to \$250 each but Miraco beats them all. My friends all like the Miraco. I have had stations all over the U.S.A. I tune in Mexico City and Havana. Cuba any time I want are on the air. Alex Kander.

**BETS COSTLIER SETS WITH MORE TUBES.** Lexington, O. "I have owned a Miraco for a long time and find it to do all you claim. 30 stations logged so far; getting more stations each week. This includes coast to coast, Canadian, Cuban and Mexican stations. The Miraco is the best. This is why others here in town have come in here to see it. I have elaborated with more tubes but do not seem to get any better results. Fuller Temple.

**MIRACO OUTPERFORMS THEM ALL.** St. Francis, Kansas. "I've heard a lot of radios but the Miraco is best all around. I am proud of mine. Comes in fine and clear. No noise. Get lots of distant stations. Surely am satisfied. Orvey Sharpe.

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ing on even terms. Ten yards from the finish the sorrel lunged desperately ahead and passed under the wire, winner by a nose.

Lois leaned back in her chair, ever fibre of her being thrilling to the tumult about her. Then her eyes fell on Herbie Coles, face white as chalk, eyes frightened, lips trembling. It struck her as curious that he should take it so hard. His family was rich. Two hundred dollars should mean nothing to him. Instantly she recalled what he had told her, that he'd be flattened for fair if Skylark lost. Impulsively she laid a hand on his arm.

"I'm sorry you lost," she said. "Your father, though—"

"My father, hell," he said brokenly. "He kicked me out a couple of days ago. I'm on my own—and I haven't got a cent."

SHE was still staring at him when Becker leaned over her shoulder. "My congratulations on your hunches. Aren't you interested in the odds? Look! They're just putting up the figures. Great heavens! Sombrero pays \$160.35 to a dollar. You've won just sixteen hundred and three dollars and a half."

"When do I get the money?" she asked. "Little gold-digger," he rebuked. "I'll go down and cash in for you as soon as the crowd thins out. Not that there'll be any bargain-counter rush to collect on Sombrero, but those who bet on Skylark to place and show and those who are saving what they can on their winnings on Valiant to show." He leaned still closer to her and now he whispered. "I'll just keep the money for you until tomorrow. You might," unaccountably his eyes sought Herbie Coles, muttering to himself, oblivious of everything else, "you might lose it."

Lois nodded. "I wish you would keep it for me. I'm so dazed . . . it's the most money I ever owned . . . it means so much to me—"

Of the two other races which followed she saw little with her conscious eyes. As she had said, she was in a daze. Som-

brero, sticking his nose out in front of Skylark in those last few strides, had freed her of all worry. She had sixteen hundred dollars. Not a great fortune but enough to last her quite a while, until she had gotten her feet firmly under her, adjusted herself to things in the big city, decided upon her future course. It meant that if the teacher to whom Jermin had promised to take her discovered her voice was worth while and if Jermin could, as Mrs. Gayton had said, put her in the way of earning her living while she studied—why, Paradise could be put behind her forever. She needn't care now whether Herbie Coles went back home and told—but Herbie had said he had been kicked out at home. Perhaps he'd never get a chance to tell. It didn't matter. She needn't put herself out to be nice to him any longer, thus bribing him to keep his mouth shut—

"LOIS." Mrs. Gayton was speaking to her. Her voice was tense and strained, her face seemed drawn and whitish, her eyes darted about as if seeking someone in the crowd. "Lois. Something has come up . . . I can't tell you what . . . Neil and Victor and I . . . would you mind going back to town in Victor's roadster with Mr. Coles driving?" She lowered her voice. "You're not afraid of him?"

Lois glanced at Herbie, standing in the back of the box now, talking to the two men. Both of them seemed a bit excited, but Herbie apparently had not yet recovered from the blow which Skylark's defeat had handed him. His shoulders drooped, his arms hung listlessly at his sides and his whole attitude was one of dejection. Apparently Jermin was giving him instructions for once or twice he nodded apathetically.

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Radio Printers, Dept. 4418C, Marengo, Ill.

"No," said Lois, "I'm not the least bit afraid of him."

"Good." Mrs. Gayton smiled as if relieved. "Don't be frightened if I'm delayed getting home. Suzette will look out for you."

Herbie seemed to have recovered some of his aplomb by the time they were in the roadster and headed for Chicago. "I got a little money off Jermin," he said. "Not much. Enough, though, for our dinner at some roadhouse. He's to fix me up right when he gets back to the city—if I carry out certain orders he gave me."

"Have you known Mr. Jermin long?" Lois asked.

"Matter of a few months. We've had business dealings off and on."

"Business?"

"Oh, yes. Can't tell you about it, though. Jermin—"

"I'm quite sure I have no desire to pry into either your affairs or those of Mr. Jermin," she interrupted.

"Wouldn't do any good if you tried," he retorted. "It's funny, though, you don't know anything about it, you running around with him and so on."

"I'm not running around with him," indignantly. "I'm Mrs. Gayton's guest and he being a friend of hers naturally I see a great deal of him. Why, the man's old enough to be my father."

"And he's got lots of money and no woman with strings on him. Sly little puss, you. Doing right well, too, for a green little country girl. Why, it hasn't been a month since that night you were running away from old Phineas Blair and

here you are with a heavy sugar papa nibbling around your hook already—"

"You know it's a lie and you're a cad for even suggesting such a thing."

"Well, we won't quarrel about it. I'm on my uppers just now. Wait until I get hold of some money, though. Maybe I'll give old Jermin a run for you yet."

"YOU flatter yourself if you think you could give anyone a run in a race of that kind," she said hotly. Then, as he toiled the car off the pavement onto a side-road: "Why are you turning here? That other's the highway into Chicago."

"This way'll take us to the roadhouse where we'll eat."

"There are plenty of places along the other."

"But I've reasons for wanting to go to this one and that is where we are going," he asserted stubbornly and she shrugged and offered no further objections. His reasons appeared perfectly plain when after a bit they came to the Dewdrop Inn and, after ordering their food, he took the proprietor aside and spoke earnestly to him for several minutes in a low tone. They left the room together then and when Herbie came back there was liquor upon his breath.

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THE ROLL-O RADIO CO.  
Dept. Z-3, 3d & Syracuse Cincinnati, O.

"If you want a drink," he whispered. "I don't and I wish you'd leave it alone," she replied.

"Just had one and that's all. You needn't be afraid I'll run you into the ditch or anything."

"It isn't only that—"

"I'm not getting into that race against Victor Jermin I spoke about, either, if that's what's worrying you. You needn't be afraid of having to walk."

Why would he persist in thinking, much less saying, such things? Lois was on the point of taking him sharply to task, decided he'd remain unconvinced no matter what she said and centered her attention upon the fried chicken before her.

There was little talk between them. Herbie seemed preoccupied—pondering upon his losses on the races, Lois fancied—and she did not break in upon him. Finally she became aware that his meal was virtually untouched and, glancing up from her own plate, she surprised upon his face a look that touched her.

"Herbie," she said softly, "do stop worrying. You know I won a little money this afternoon. If you wish I'll let you have some, at least as much as you lost and—"

He shed his abstraction with a start and a queer look came into his eyes. Then he leaned over and patted her hand. "You're a good-hearted kid, Lois, and I'm ever so grateful to you for offering it. But I couldn't take money from you. I—"

He broke off as the proprietor of the roadhouse appeared in the doorway and beckoned him. "Back in a minute," he said and pushed back his chair.

"Herbie," she spoke pleadingly. "Please—no more liquor."

"I told you I wouldn't," he said and left her.

Presently he was back and considerably agitated. "I hate to hurry you," he said, "but we've got to get away from here quick."

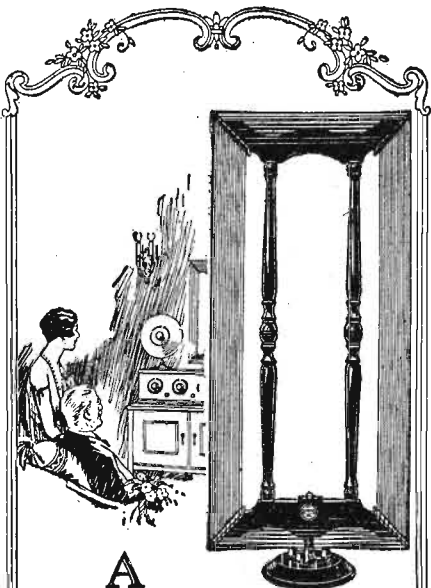
"What's up?" she demanded.

He shook his head, gulped down the cup of coffee beside his plate without sitting down again and when she rose, took her by the arm and pulled her towards the door.

"You forgot to pay for our dinner," she reminded him.

"It's all right. Can't stop to do it now. See about it later." He spoke hurriedly. "Don't ask me to explain—and hang on tight when we get started. I've got to drive as if the devil himself was behind me."

Where will Herbie Coles figure in the dramatic episodes that are swarming into the life and experiences of Lois Sylvester? Can she trust him as a friend or as just another wolf taking his time to destroy her? Read the mid-November Radio Digest.

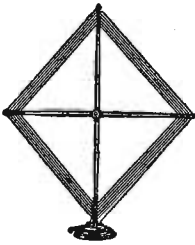


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How to build the Bodine Twin-Eight Receiver.

Name \_\_\_\_\_  
Address \_\_\_\_\_

### KING BUILDS KARAS SET

(Continued from page 7)

is held by holes Nos. 16 and 21 with the arrow pointing toward No. 16; socket S-4 is held by holes Nos. 19 and 22 with the arrow pointing toward No. 19; and socket S-5 is held by holes Nos. 20 and 23 with the arrow pointing toward No. 20.

"The grid leak clips on the Sangamo condenser are first screwed on to the condenser with the screws furnished with the condenser. The short screws on the other side are now removed and the condenser is attached to the subpanel through holes Nos. 36 and 37 with 3/8 x 1/2-inch screws. Now the amperite brackets A-1

and A-2 are attached to the under side of the panel. Before attaching the Amperite mountings, it is necessary to drill out the hole in the mounting with a No. 26 drill. The Amperite mountings are attached to the under side of the subpanel by holes Nos. 17 and 18 with 3/8 x 1/2-inch flat head screws. The subpanel is now turned over with the top side up. The spring mounting clips for the Equamatic coil are now screwed up to the subpanel in holes Nos. 38, 39, and 40 with a 3/8 x 1/2-inch screw, so that when the locknut is placed on the under side, the end of the screw is flush with the top of the locknut. The binding posts B-1, B-2, B-3, B-4, B-5, and B-6 are now assembled in holes Nos. 30, 31, 34, 32, (Continued on next page)

## DEALERS—State of Illinois

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## CHURCHILL DRUG COMPANY

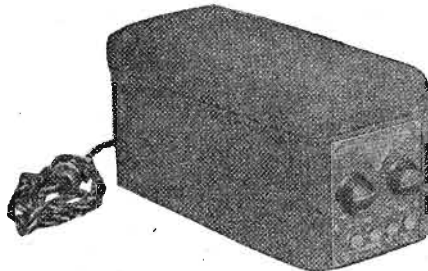
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Will Operate Any Set From Your Light Socket

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**\$17.90**  
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WE only can offer you the Super "B" eliminator at this price, as we sell direct and cut off the jobbers and dealers profit.

No Hum 50-60 CYCLE AC—OUTPUT 200 VOLTS Power

### MAIL YOUR ORDER TODAY

and we will ship you a Super "B" eliminator, guaranteed to operate any set without hum and give efficient service and loud, clear reception. Our research of over 3 years makes this possible. **GUARANTEE** EVERY Super "B" is guaranteed to give constant service. Give it five day's trial and be convinced that it is the best "B" power supply to be had. If you are not satisfied after the trial period return it at our expense and your money will be refunded. Mail your order today, enclosing full amount, \$17.90 or half this amount and pay the balance on delivery.

**SUPER "B" LABORATORIES**  
SWEETONE RADIO CO., NEW YORK CITY, N. Y.

3130 BUHRE AVE.

"Millions listen when this man speaks"



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Demand now is for trained Radio announcers. Study now for tomorrow's opportunity in this interesting and profitable work. Comprehensive up-to-date course on Radio Broadcasting ready. Complete course of ten lessons \$15. SEND THREE DOLLARS FOR FIRST LESSON and PROSPECTUS.

PIONEER RADIO BROADCASTING SCHOOL, INC.  
843 Little Bldg. Dept. D Boston, Mass.



Fred W. Stein. Over 400,000 Sold.

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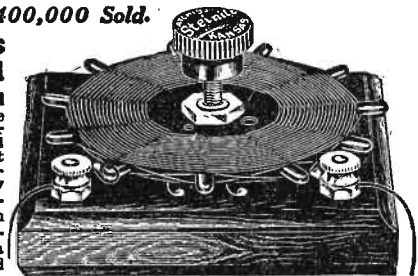
Greatest \$1 Value in Radio Today

### Interference Eliminator

No Radio Set Complete Without It

Select stations at will. Especially necessary for 1 and 2 dial controlled sets. Under present conditions the average set fails to bring in the desired stations properly. The Steinite Interference Eliminator shuts out local and other interference. You get one station at a time, the one you want, and tune in loud and clear. Operates on any set—attach to aerial wire and to set—no changes—no extra tubes or batteries.

New 1927 Model



### Improved Results with Tube or Crystal

Try entirely at my risk the wonderful improvement this inexpensive little device will make in the reception of your set. Improves results on both crystal and tube sets that use any kind of aerial except loop antenna. Clears up reception wonderfully, increases volume, and partially absorbs static. **Money-Back Guarantee.** Put this interference eliminator on your set and note amazing improvement. No tools needed—install in a moments time. Connect with set and follow simple instructions. Money back promptly if not delighted. **\$1 postpaid when cash with order.** ORDER TODAY—a dollar bill will do. REFERENCES: Exchange National Bank, Atchison Savings Bank.

**\$1 Postpaid** If you are not delighted with results you get your dollar back

The New Steinite 7-Tube Radio uses no batteries of any kind—only \$125. Loud Speaker Built In. Complete with tubes \$151 with nothing to buy. Operates from light socket 1c an hour. Write for descriptive literature before buying an expensive Battery Set. Also Steinite Long Distance Crystal Set \$6—6-Tube Battery Set \$45. WRITE TODAY.

STEINITE LABORATORIES, 408 Radio Bldg., ATCHISON, KANSAS

35, and 33 respectively, with the head and the large soldering lug under the subpanel and the nut and the terminal nut on top of the subpanel. The binding posts should be tightened well before the terminal nuts are put on and the soldering lugs pointed in the direction shown in the wiring diagram."

**A**NY Radio writing hound who attempts to tell the wide world how to wire a Radio has another guess coming if he thinks that he can go the manufacturer one better. I've tried it and know whereof I speaketh. Therefore, the following are the wiring instructions which are furnished with the Karas Equamatic parts by the manufacturer, and which, if followed conscientiously, will insure success. You may find a better way, but don't try it, brother. Do as they say—not as you or I would do it—and methinks the stations will roll in with a "Howdy" that will chalk up 100 per cent perfect.

"The front panel assembly and the sub-panel assembly will not be screwed together until after wiring has progressed some. Start wiring with the subpanel assembly right side up and with the front toward you. Connect wire W-1 from the G of socket S-3 to the end of the grid condenser nearest it. Solder all connections as you go along, unless otherwise directed. Connect W-2 from P of socket S-3 to the P of transformer T-1. Keep this wire at least 1/4-inch away from the transformer case. Next connect W-3 from G of socket S-4 to G of the first transformer. Then connect W-4 from the G of the transformer T-2 to the G of socket S-5. Now turn the subpanel assembly bottom side up, in order that the A connections may be wired on the tube sockets. The protruding ends of the brackets are now away

From you. Set aside what remains of the last length of wire for short connections and take a new length for W-5. Place the end of this wire in hole No. 65, which is in the upper right corner, until the wire just passes through the plus A soldering hole of socket S-5, which is below this hole. Bend the wire down to the panel so that it crosses holes Nos. 63 and 61. Now cut a piece of sleeving the length of the distance between holes No. 65 and 63 and also another piece 1/4" less than the distance between holes No. 63 and 61 and place both of these pieces in their proper positions. Now make three small connecting links, W-6, W-7, and W-8 as follows:

"**B**END a small loop in the end of the wire with a hole the size of the bus-bar wire you are using. Leave the loop open enough so that the wire will slip in. Make this wire long enough to extend through the subpanel and through the soldering holes in the sockets, which length is about 3/4" from the center of the loop to the end of the wire. Place the first wire W-6 through hole No. 63 and into the plus A soldering hole of socket S-4 with the loop end slipped over wire W-5. In a like manner connect W-7 through hole No. 61 to the plus A soldering hole of S-3. Now make a slight bend in W-5 just beyond hole No. 61 until this wire crosses just above hole No. 58. An inch beyond hole No. 58 make another bend in the opposite direction so that W-5 now passes above holes No. 57 and 54. Cut the wire off 1/2" beyond hole No. 54. Cut a piece of sleeving six inches long and put it on this wire up to hole No. 57. Then bend W-5 down to hole No. 54 so that it goes down through the socket lug of the plus A connection of socket S-1. Put the third link, W-8 through hole No. 57 and through the plus A connection of socket S-2 with the loop over

W-5, keeping the sleeving between W-8 and hole No. 54. Connect W-9 from the minus A connection of S-4 through hole No. 62 to the nearest hole of the first amperite mounting, A-1. For short connections always use the short ends of the bus-bar wire. Connect W-10 from the minus A of S-5 through hole No. 64 to the nearest soldering hole of the second amperite mounting, A-2, placing a piece of sleeving on this wire between hole No. 64 and the amperite mounting. Now connect the two amperite mountings, at the opposite ends of the hard rubber base from these last two connections with W-11. This is the end nearest the Jones plug receptacle. As before, solder all connections as soon as the wires are bent into place.

"Turn the subpanel assembly over and connect W-12 from the plus B of T-1 to the plus B or blue connection of the Jones plug, keeping the wire running straight out from the Jones plug at least 1/2", in order to leave enough space to make the other B connections.

"There is only one connection to make on the front panel assembly before it is screwed to the subpanel and that is the connecting of the two lower holes of the rheostat with wire W-13; then screw the front panel assembly to the subpanel assembly using the three gold screws."

## CLASSIFIED ADVERTISEMENTS

### AGENTS WANTED

**BIG PROFITS!** Write for **FREE** Wholesale Catalog to sell Nationally Advertised Radio in your own locality. Harry Berg Co., Dept 6, 304 Hennepin, Minneapolis.

### DOGS

Beautiful registered bull pups, \$15. Bull-dogs, 501 Rockwood, Dallas, Texas.

Hundred Hunting Hounds. Fur Finders. Catalogue. Kaskaskennels, D7, Herrick, Ill.

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#### PATENT ATTORNEYS

PATENTS. Booklet free. Highest references. Best results. WATSON E. COLEMAN, Patent Lawyer, 644 G Street, Washington, D. C.

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**WHY WASTE \$100.00?** Thousands hear all the radio they want on LAMBERT SETS that cost only \$7.90 complete. No extras to buy. Big stations 600 miles away come in loud. Works through static. No batteries, no tubes, no running expenses. 250,000 satisfied users. Picture, folder, convincing testimonials free. CRYSTAL RADIO COMPANY, WICHITA, KANSAS.

"**SOCK-ANTENNA**" LIGHT SOCKET AERIAL, equals outside aerial, adds fifty to hundred per cent signal strength, volume, clarity, makes broad-tuning sets selective, reduces static and interference noises to minimum. Satisfaction guaranteed. Price, \$5.00. Write for bulletin "T-R-S SOCK-ANTENNA." Tidmarsh's Radio Supply, Elwood, Indiana.

Battery Eliminators. Attractive Discounts. Particulars Free. Radio Brokerage, Cedar Rapids, Iowa.

### SALESMEN WANTED

Make \$100 Weekly in spare time. Sell what the public wants—long distance radio receiving sets. Two sales weekly pays \$100 profit. No big investment, no canvassing. Sharpe of Colorado made \$955 in one month. Representatives wanted at once. This plan is sweeping the country—write today before your county is gone. Ozarka, Inc., 431 N. LaSalle Av., C, Chicago.

**A PAYING POSITION OPEN** to representative of character. Take orders shoes-hosiery direct to wearer. Good income. Permanent. Write now. Tanners Shoe Mfg. Co., 11-707 C St., Boston, Mass.

### STAMPS

Free—26 Different Unused Foreign stamps. Denver Stamp Co., Denver, Colo.

### WANTED

Back copy of Radio Digest. Volume 1, Number 4, 1922. Wanted to complete file in Library of Congress at Washington. Will give selection of six photogravures for this copy. Editor, Radio Digest, 510 North Dearborn St., Chicago.

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For any cone up to 4-foot size. Gives wonderful tone at any volume. Sold on rigid money back guarantee. C. O. D. or Prepaid, \$7.50. TUNBAR RADIO CO. Suite 203, 15 Park Row New York

## NEW INFRADYNE KIT

ALL GENUINE PARTS IN STOCK NOW!  
**FREE** WHOLESALE CATALOG  
Listing thousands of new radio parts, kits, fixtures, accessories, and complete radio sets, at prices that save you money. Write for your copy now, it's free. Dept. 6. THE HARCO CO., 1255 S. Wabash Ave., Chicago, Ill.

## GUARANTEED RADIO TUBES

By Return Mail!  
Direct from factory, saving wholesale and retail profits. 201-A quarter ampere type standard brass base, silvered, tipless. Will improve any set. **69¢**  
TRELCO TUBES  
1021 Moseley St., Owensboro, Ky.

## NO MORE \$2 BATTERIES

Eliminate all batteries, "A," "B" and "C." Any type of set, any type of tubes, and any number of tubes. Smooth, steady flow of current for filament and plate. Either Direct or Alternating Current. No hum. Complete plans, blueprints and all instructions for only \$2. Fully guaranteed—can be built by any radio amateur or fan. Send for a set today, mentioning type of current used. ENGINEERS' SERVICE COMPANY 25 Church Street New York

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**BIG NEW 1927 CATALOG-FREE**  
Dealers, Agents, Set Builders—get our big 1927 Catalog—225 nationally advertised lines. Lowest prices in America! Largest, most complete stock. Radio's latest developments. It's FREE—send for your copy now. AMERICAN AUTO & RADIO MFG. CO., INC. 1442-A McGee Street, Kansas City, Mo.

## AUDIO FREE AMPLIFICATION

The four types thoroughly explained in a fully illustrated booklet 9x12 inches. This booklet will be sent to you absolutely FREE if you will send me six cents in stamps to cover cost of handling and postage.

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Be an expert wrestler. Learn at home from the world's undefeated champion and his famous trainer—**Frank Gotch and Farmer Burns** Quickly learned BY MAIL at home. Know the art of self-defense and jiu-jitsu. Have perfect health. Learn how to defend yourself. Handle big men with ease. Send for **FREE** Book. State your age, Farmer Burns, 4418 Ry. Exch. Bldg., Omaha, Neb.

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Famous Air King line of 5-Tube T. R. F. Receivers. 3 models, retail for only \$49.50 to \$59.50. Solid walnut cabinets. Wonderful tone and power. Liberal discounts to user agents. Write today. 20TH CENTURY RADIO CO., 1552 Coco Cola Bldg., Kansas City, Mo.

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Dealers jump at this live line of radios and accessories, including Bremer Tully, Balkite, All American, G. E. Tunar, Thorola, Majestic, Utah, R. C. A. Tubes, nationally advertised parts, batteries, chargers, etc. Send for catalog and attractive dealer's proposition. Exclusive territories to responsible dealers. Wholesale only. Quick sales and splendid profits assured. Don't pass this up. Write today. NEW ENGLAND MILLS COMPANY Distributors of Nationally Advertised Radio Lines Dept. 91C 855 Washington Blvd. Chicago, Ill.

## Applause Cards FREE

Your Name & Address on Each Card  
Stations gladly put on numbers you request. We print special cards that get ATTENTION.  
**FREE LOG**  
with 1st Order. Applaud your favorites. Quality cards and printing. We include eight coupons, each good for \$1 payment on appliance cards. Let 8 friends have these for only 25¢ each and you have your \$2 back and YOUR cards absolutely free or collect 50¢ for each coupon and have \$2 extra.

Send No Money when you get cards, 8 free \$1 coupons now—postcard will do. just pay postman \$2 (we pay postage) and FREE Log. Your \$2 refunded if not delighted. Write today—now—postcard will do.  
Radio Printers, Dept. 9418C, Marengo, Ill.

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Tell how you can make big money in world's newest and greatest field. Presents lifetime opportunity in Radio. Right now we want live agents and dealers in every locality, \$60 to \$100 a week easy. **40% to 60% Profit** Simply send name for this big illustrated book explaining liberal profit proposition and how to get latest radio goods at wholesale. Also prices on parts, sets and accessories and amazing special offers—all free. Write today. STANDARD RADIO CO. 1488 Walnut St., Kansas City, Mo.

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Salesman, Salesladies and Retail Merchants. My items fit all of you. Salesman averages \$1.00 profit for every dealer called on. Costs dealer \$2.00, he sells for \$3.50, makes \$1.50 on \$2.00 invested. Salesman makes \$1.00. If you are a Salesman or wish to become one. If you never sold anything in your life I will tell you how to make better than \$100.00 a week. (Address)  
**Geo. L. Lane, Mansfield, Ohio**

**A**ND now that you have it wired this far, don't be like the little boy who said his teacher didn't know anything because she was always asking him how to spell all kinds of words. Let Maggie (she always is first), the Karas Electric, and yours truly be the teachers. If you run into a little snag, a letter with a return stamped envelope will bring back a hurry-up reply. Of course you're not going to have any trouble. In fact, the real idea back of this wonder circuit is that when the last wire is on and the tubes are lighted, it has a happy habit of giving you the surprise of your life in selectivity, volume and because everybody is bragging about quality, I opine that this fellow will stand up with the best of them.

In the next issue, Maggie and I will complete the wiring and give you the inside stuff on how to tune this baby and how to make it perform some Radio stunts with a punch. This Brooklyn man King may not know Radio, but I only wish there were more like him if they can all turn out bearcats like the Equamatic. Let's Eat.

## Learn to Mount Birds

Learn at home to mount birds, animals, game heads; tan furs, make rugs and robes. Complete lessons. Easily and quickly learned by men, boys and women.  
**FREE** Write for Free Taxidermy Book. Tells all about it. Every sportsman, trapper and Nature lover should know this wonderful fascinating art. Save your trophies. Big profits. Success guaranteed. 100,000 graduates. Investigate. Write for Free Book.  
Northwestern School of Taxidermy 4418 Elwood Bldg. Omaha, Neb.

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Let me show you how 4364 men without experience are adding from \$25 to \$75 to their income each week without giving up their present position. Sell the fastest selling article today—radio. Demonstrate evenings. Five tube-instruments as low as \$25 and big commission to you. Exclusive territory to right men. Write today for 96-page book which tells how 4364 men have done it. Don't delay—territory going fast.  
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Free Trial  
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Big bargains, easy payments on late model Underwoods, Royals, L. C. Smiths, Remingtons, etc.—perfect machines expertly remanufactured by the "Young Process" factory to you at big savings. Our big illustrated catalog sent free and without obligation to buy. Write for yours today.  
Young Typewriter Co. Dept. 1478 664 W. Randolph St., Chicago, Ill.

## Empire De Luxe Double Cone Speakers

Matchless in Performance!  
Two free edge, full floating diaphragms. Beautiful design; finish mahogany wood stand.  
18" De Luxe \$25.00  
12" De Luxe Jr. 16.50  
Standard 13.75  
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Write for descriptive Folder "E."  
EMPIRE ELEC. PRODUCTS CO.  
132-134 Greene Street New York

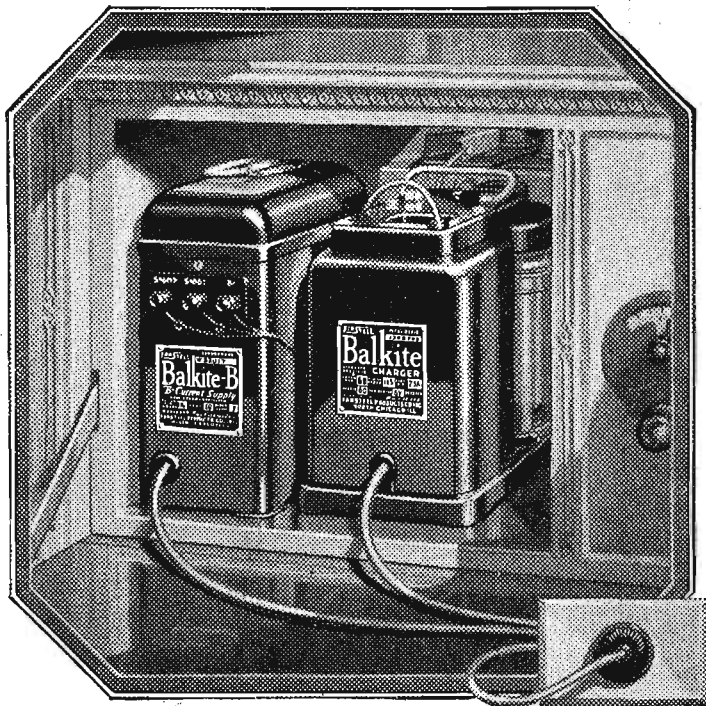
## Yale GROUND HOG

**DOUBLE POWER AND DISTANCE**  
Marvelous newly-invented ground gives 100% improved reception. Doubles power and distance. Stops leakage. Reduces static. Stops jangling even in midsummer. Results never before equaled, users say. Satisfaction guaranteed. Proven absolutely essential to clear, powerful distance reception. Draws and holds moisture indefinitely. Highly sensitive to radio energy. **SEND NO MONEY**—To introduce, we offer to those who act at once, regular \$5.00 size for only \$2.00. Send name today and pay \$2.00 plus 17¢ postage on delivery. Or send only \$2.00 with order and save postage. **FREE**—Full description of Ground Hog and amazing special low priced battery offer on request—write today.  
Yale Specialty Supply Co. 128 W. 5th St., Kansas City, Mo.

## Amazing New 5-Tube Radio At Very Small Cost Improves Reception 100%

New York City, N. Y., Nov. 1.—Lieut. Sterling G. Sears of the U. S. Naval Reserves has perfected a marvelous new 5-tube Radio that improves average home reception about 100%. Due to special features, this Radio is extraordinarily selective and powerful, easy to operate, very economical on battery consumption—and costs only about one-third of the usual price of 5-tube machines. Perfect satisfaction absolutely guaranteed, and a 10-day Free Trial offered to all who wish to try it. Full information together with reports of tests made by experts will be sent **FREE** to all who write at once to Geo. W. Naylor, Jr., Dept. 157H, 161 Chambers St., New York City. Write today—no obligation!

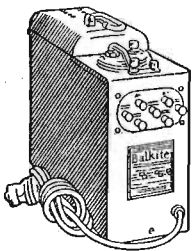
The new  
**Balkite "B" at \$27<sup>50</sup>**  
 and the new



**Balkite Charger** *convert your radio set  
 into a light socket receiver*



**Balkite Trickle Charger**  
 MODEL K. With 6-volt "A" batteries can be left on continuous or trickle charge thus automatically keeping the battery at full power. With 4-volt batteries can be used as an intermittent charger. Or as a trickle charger if a resistance is added. Charging rate about .5 ampere. Over 200,000 in use. Price \$10. West of Rockies \$10.50. (In Canada \$15.)



**Balkite Combination**  
 When connected to your "A" battery supplies automatic power to both "A" and "B" circuits. Controlled by the filament switch already on your set. Entirely automatic in operation. Can be put either near the set or in a remote location. Will serve any set now using either 4 or 6-volt "A" batteries and requiring not more than 30 milliamperes at 135 volts of "B" current—practically all sets of up to 8 tubes. Price \$59.50. (In Canada \$83.)

All Balkite Radio Power Units operate from 110-120 volts AC current with models for both 60 and 50 cycles. The new Balkite Charger is also made in a special model for 25-40 cycles.

To enjoy the convenience of operating your radio set from the light socket add the new Balkite "B" and the new Balkite Charger.

Balkite "B"—the unique "B" power supply—eliminates "B" batteries entirely and supplies "B" current from the light socket. The new Balkite "B"-W at \$27.50 serves any set of 5 tubes or less where 67 to 90 volts are required. Balkite "B"-X at \$42 serves sets of up to 135 volts and 8 tubes. Balkite "B"-Y at \$69 serves any standard set.

The new Balkite Charger at \$19.50, with both high and low charging rates, is the most convenient of all methods of charging your "A" battery. At the low rate it can be left on continuous or trickle charge. Thus it automatically keeps your battery at full power. With heavy-duty sets, large sets, or sets in constant use where excessive "A" current is required, a few hours' operation at the high rate quickly brings the bat-

tery to full charge. This new charger gives you the advantages of both trickle and high-rate charging.

Both Balkite "B" and the Balkite Charger are entirely noiseless in operation. Both are permanent pieces of equipment, with nothing to wear out or replace. Other than a slight consumption of household current, their first cost is the last. Both are built to conform with the standards of the Underwriters' Laboratories.

Over 650,000 radio sets—one of every ten—are already Balkite equipped. Add these two Balkite Units to your receiver now. Then you too will know the convenience of Balkite Light Socket Operation. Then you too will know the convenience of owning a radio set always ready to operate at peak power. Ask your dealer.

(Balkite Charger \$20 West of Rockies. In Canada: Charger \$27.50; "B"-W \$39; "B"-X \$59.50; "B"-Y \$96.)

Fansteel Products Co., Inc.  
 North Chicago, Ill.

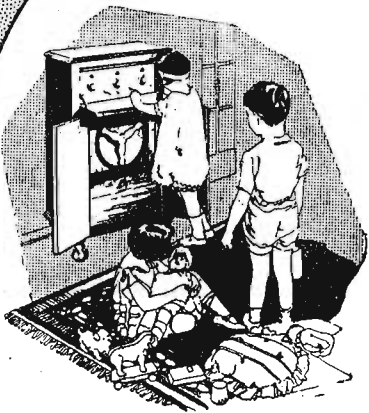
*The Balkite  
 Radio Symphony Concerts  
 with WALTER DAMROSCH  
 and the New York Symphony*

These concerts are broadcast every other Saturday Evening. On intervening Saturdays Mr. Damrosch gives one of his popular piano recitals on Wagner's great music dramas. At 9 P. M. Eastern Standard Time, over a group of 12 stations: WEAJ, WEEL, WGR, WFI, WCAE, WSAI, WTAM, WWJ, WGN, WCCO, KSD, WDAF.

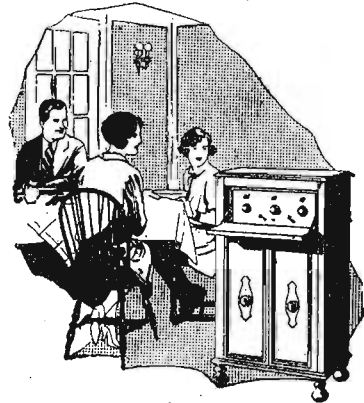
FAN STEEL  
**Balkite**  
*Radio Power Units*



# New and Improved FRESHMAN MASTERPIECE

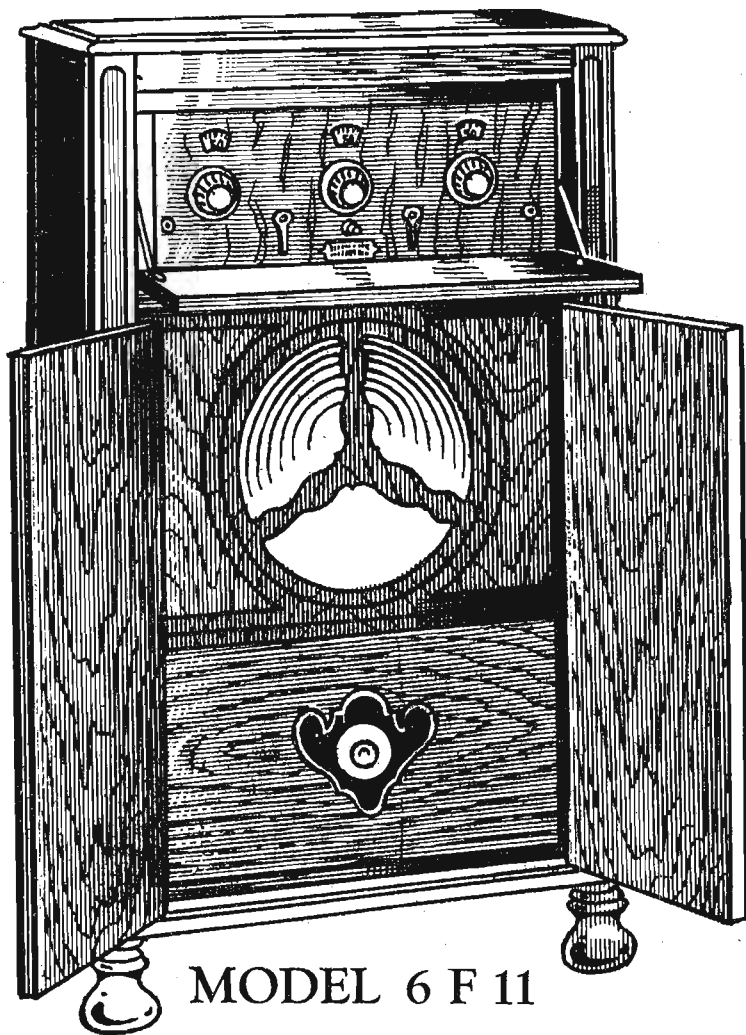


*Uses C-Battery  
and  
Power Tube*

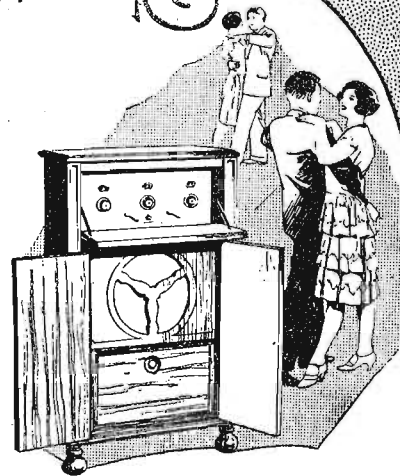


*Operates by Electricity  
if you prefer*

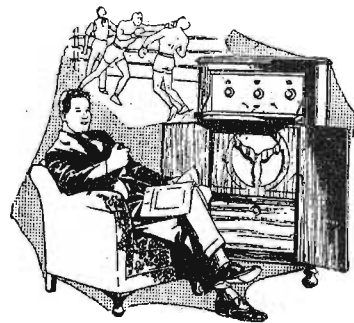
This new QUALITY set is so designed to operate from your light socket by installing the new Freshman "ABC" Power Supply.



MODEL 6 F 11



*Shielded all  
metal Front and  
Sub-panel*



*Genuine R.C.A  
Radiotrons*

are recommended for use with Freshman Masterpiece Receivers. A special package containing—1 UX 112 power tube, 1 UX 200A detector tube and 3 UX 201A amplifying tubes—matched and tested for the set in which they are shipped, is sold by Authorized Freshman Dealers.

## Makes Life More Pleasant

—it is massive—it is beautiful—an article of furniture you will be proud to own. This "masterpiece of masterpieces" surpasses all expectations—the most perfect radio ever designed.

—takes you on mysterious journeys; miles and miles—North, South, East and West; comfort and rest in your easy chair.

—the world's finest entertainment yours—opera, dance music, concerts, lectures, sports; just take your pick.

—easy to tune with its three distinct controls;—brings in the

stations wanted day after day at the same dial points—eliminates overlapping of wave lengths which assures distinct separation of one broadcasting station from all others.

—its tone quality makes it wonderful—the large cone-speaker has been designed to exactly match the new Freshman Receiver. This special cone-speaker easily handles the full power that the new set delivers.

—make life more pleasant—with a Freshman Masterpiece Radio.

Sold on Convenient Terms by Authorized Freshman Dealers

CHAS. FRESHMAN CO., Inc., FRESHMAN BLDG., NEW YORK  
2626 W. WASHINGTON BLVD., CHICAGO

# The World's Greatest Radio