

Whozit Game Begins \$26,000.00 Prizes

Radio Digest

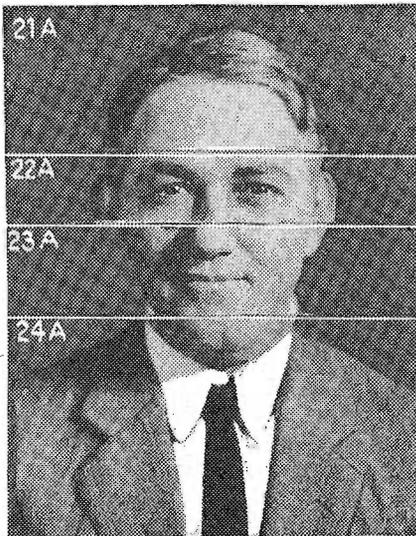
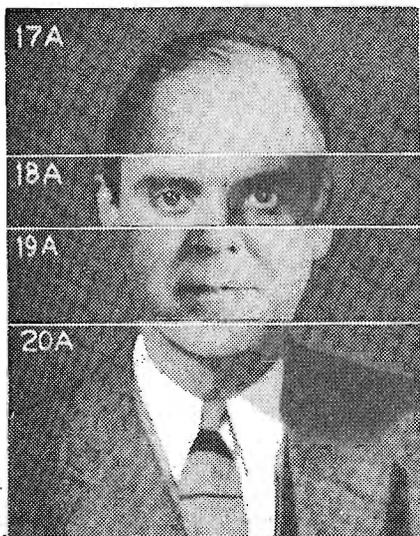
TWICE A MONTH **PROGRAMS** **Illustrated** FIFTEEN CENTS

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Vol. XIX No. 3



Game of Whozit Explained and First Whozit Pictures; Latest in "A" Power Supply; Interference Survey Blank; King Milo Completes "Equamatic" and Describes Tuning

NATIONAL SURVEY OF RADIO INTERFERENCE

CUT THIS OUT—FILL IT IN AND SEND IT TODAY TO:

Radio Digest PROGRAMS Illustrated

HELP CLEAR THE AIR OF TROUBLESOME INTERFERENCE

WRITE PLAINLY, TYPEWRITE OR PRINT

1. I am troubled with interference in receiving. I usually listen Monday, Tuesday, Wednesday, Thursday, Friday, Saturday and Sunday nights between the hours of... and... The interference usually occurs between the hours of... and... 2. The interference sounds like crackling, hissing, whistling or howling like the wind, low hum or... 3. The interference is equally noticeable all over my dials. It occurs at the following wave lengths, or near the wave lengths of the following stations:... 4. I am located within... feet of a Cottrell precipitator... using many electric heating pads, or... I believe this causes the interference described under 2 above as...

5. Since the Attorney General's decision which permitted the licensing of all stations to use whatever wave lengths they found advisable, I have not been able to receive satisfactorily the following favorite stations which I formerly received and enjoyed:... 6. Since the Attorney General's decision, I now receive the following stations satisfactorily which I formerly did not hear but now enjoy:... 7. A local or nearby Radio Club or committee is investigating Radio interference. The name of this club (or name of member of the committee) is:... and the address is:... City and State:... 8. My own name is:... and my address is:... City and State:...

SHORT WAVES

By Marcella

Where the Arrows Fall; Madam Zita Wonders; The Norman Brokenshire Mystery; News from Harold H. Isbell; Grace Itrick Story; Paul Johnson Is White; Gold Dust Twins; United Lansinger; "Big Bad Bill" of WOAW; Clyde Hager.

I shot an arrow into the air, It fell to earth, I knew not where... I breathed a song into the air, It fell to earth, I knew not where... —Longfellow

HOW prophetic of modern times was that little poem, "The Arrow and the Song," written eighty years ago! How many of our light hearted Radio entertainers have any conception of the destiny of the arrows and songs they breathe into the air at each broadcasting? In looking over my Marcella letters I sometimes feel that a new prodigious force is at work to vitally influence the lives of all of us without our being really conscious of it.

Apropos of this comes a letter from a lady in Texas who signs the name "Madam Zita." I will give you some excerpts: "Thank you for answering my questions promptly. WBAP (Fort Worth) has ever been my favorite station. I enjoy the Hired Hand's quaint humor so much. But I am disappointed to find that the Sunflower Girl is not the Hired Hand's wife. I have especially studied his voice and I can tell by its sound whether he is tired, happy, blue, disgusted or jealous. I heard him announce the Sunflower Girl the first time she sang at WBAP and was struck at once by the new, tender longing in his voice. They attended the Radio Show at Oklahoma City together and when he told of the fellow with the big car who had paid her a lot of attention his voice fairly crackled with jealousy. How long has the Hired Hand been married and did he marry a Radio artist? I am so sorry Pat Barnes did not get the cup." Please don't feel bad about the Hired Hand, Mme. Zita; the Sunflower Girl is kin of the Mrs. Hired Hand and they are all very happy, you may be sure. No, Mrs. H. H. was not a Radio artist.

Sorry, Peggy and June, that I haven't any definite new information to give you about Norman Brokenshire. Some of my Eastern correspondents say that he is back at WJZ, assisting; others say they have heard him at other stations. Norman's last letter to me was on the stationery of the Arrow Amusement Corporation, 1562 Broadway, N.Y., in which he says, "I will inform you, very shortly, just what my plans for the future will be." Norman is still darning his own socks and sewing on his own buttons, light hearted and fancy free.

Various inquirers: It appears that the Gold Dust Twins have taken their feather dusters and departed from the air. I am not advised as to their future plans.

Hazel: That United Lansinger yodeler you like so well keeps right on making a mystery of himself. I tried to get the low down but the best info I can get is that he looks a little like the Red Headed Music Maker without his mustache. He has a wife but no children.

'Liza of Route 1, Stockholm, Wis., you all sho am mistaken what you all maginations baout dis heah Paul Johnson at WCCO bein' an ol' M. E. pawsson wif he haid stickin' up fru his haiah. No, Miss 'Liza, Paul Yonson, he bain vun Swede, pur-ty tall and good lookin' feller and he bain go to schole to be a doctor. As for Mr. Bellows, he's another typical big Norseman in appearance, full of vim and fire—a hard headed business man and afraid of nothing or nobody. You wouldn't think he ever had been one of those who dwell in the rarified atmosphere that surrounds a university faculty—but such is the man. He is fully matured but not old by any means, 'Liza.

Would be glad to print a picture of "Big Bad Bill" of WOAW if I had one, Georgia Ann. He's not bad at all. In fact he is very good, looks good, is a good pianist and behaves himself. Still unhitched.

Clyde Hager, formerly announcer at WMBB, is entertaining vaudeville audiences at the Columbia in San Francisco, according to a clipping from the San Francisco Bulletin, just received.

(Continued on page 11)

ADS IN NEWSPAPERS GIVE WCCO PROGRAM

H. A. BELLOWES, DIRECTOR, RECOMMENDS NEW IDEA

Claims Better Stations Must Soon Buy Advertising Space to Tell of "Sponsored" Features

By E. H. Gammons

MINNEAPOLIS.—Sooner or later, and the sooner the better, broadcasting stations will have to buy advertising space in newspapers, magazines, etc., to announce their program features, according to H. A. Bellows, manager of the Gold Medal Station, WCCO, of Minneapolis and St. Paul.

Mr. Bellows and his station are practicing what he preaches. Beginning in September, WCCO has been purchasing space daily in the five newspapers of Minneapolis and Saint Paul to advertise the features which it will send out to its Radio audience. Not only the name of the program is given, but also the name of its sponsors, in case there are any.

Scheme Very Satisfactory

The scheme of buying paid space in the papers has proved very satisfactory, Mr. Bellows said. With the large number of programs published by the average paper each day, it is impossible for them to devote very much space to any individual feature.

The result is that the average Radio listener, reading over the programs and trying to determine what he shall listen to that evening, is sometimes in considerable doubt as to exactly what will transpire. WCCO now is able to go into details concerning each program and specifically mention any feature which they believe will be of particular interest to the listening audience.

The Twin City newspapers, it is said, (Continued on page 30)

WHOZIT? THE LADIES AND MEN ON COVER?

NO, THOSE are not the regular WHOZIT pictures on the cover. They were merely put there for samples and to attract your attention. We wanted to let you know that, with this issue, the Second November Number of Radio Digest, the great new national game of WHOZIT begins, with \$28,000.00 in prizes.

On pages 4, 5 and 7 will be found the first section of WHOZITS, ready for your scissors and paste. You'll find duplicates of the panels shown on the front cover, but work with the pictures found on pages 4, 5 and 7. If you would like to experiment, however, before you begin the game in earnest, you might cut up the WHOZITS on the cover.

ABOVE is reproduced for the second time the National Survey of Radio Interference blank. Listeners who have not yet mailed one in, should do so AT ONCE. Editors of newspapers are cordially invited to reproduce this blank in their respective papers, with or WITHOUT credit to Radio Digest, and mail all blanks received from their readers to Radio Digest at 510 N. Dearborn St., Chicago. We have started something. Help us in our fight!

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Radio Digest, Illustrated, Volume XIX, Number 3, published Chicago, Illinois, November 15, 1926. Published semi-monthly on the first and fifteenth of each month by Radio Digest Publishing Co. (Incorporated), 510 N. Dearborn Street, Chicago, Illinois. Subscription rates yearly, Three Dollars; Foreign Postage One Dollar additional; single copies Fifteen Cents. Entered as second class matter May 3, 1926, at the post office at Chicago, Illinois, under the Act of March 3, 1879. Title Reg. U. S. Patent Office and Dominion of Canada. Copyright 1926 by Radio Digest Publishing Co. All rights reserved.

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Looking Ahead

That's a Lot of Prizes—\$26,000.00—Just for Playing a Game, and naturally WHOZIT is going to be very, very popular. The second section of WHOZIT pictures will appear in the next issue, on the newsstands December 1, but you had better reserve your copy now—or perhaps subscribe.

A and B Chargers, Aerials, Aerial and Ground Equipment and other miscellaneous new accessories will be featured in the First December number. Perhaps this page will give you Christmas present suggestions.

Set Builders! Heat Your Soldering Irons, for we are going to tell you all about the "how to make" of another dandy receiver in an early issue. Watch for it.

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.....

GREAT GAME OF WHOZIT STARTS

\$26,000.00 IN PRIZES AWAIT LISTENERS IN

Everyone Is Eligible to Play Free of Charge Beginning with This Issue

24 Big Stations in Link

New National Game to Be Very Popular—To Acquaint Fans With Favorite Artists

(For Complete Rules See Page 11)

Greatest of all chains of stations ever joined together for a single enterprise of such duration, twenty-four principal broadcasters located in all parts of the United States and in Canada begin their parts in playing the new national game of WHOZIT as this issue of Radio Digest appears.

Merely for playing WHOZIT according to the rules Radio Digest offers twenty-six thousand dollars (\$26,000.00) in prizes to the successful contenders. Everyone is eligible to play, and Whozit is to be great fun and sport for every listener.

Whozit is a game invented by Radio Digest for Radio listeners. It is destined to acquaint the invisible audience with hundreds of favorite Radio artists, and in a way the listeners cannot forget.

Sixteen Pictures From Each Station

The Game of Whozit starts with this, the Second November number of Radio Digest, and will continue for eight issues, to and including the First March issue, and ends officially March 15, 1927. Right here it is well to warn players of Whozit not to send their work to Radio Digest until the Whozit pictures in all eight issues, including the First March, 1927, issue, have appeared and been solved.

On pages 4, 5 and 7 will be found a total of forty-eight partly or wholly incorrectly assembled Whozit pictures. Among these forty-eight composite pictures will be found all the parts for the faces of two announcers or artists from each and every one of the twenty-four participating stations. Each issue, for eight issues, will have the same total number (48) of composite pictures, among which are parts for two complete faces of artists or announcers at each of the twenty-four stations. Thus, when the Game of Whozit ends, a total of sixteen composite pictures will have appeared for each station.

Two Grand and Seventy-Two More Prizes

Now, before going on with how to play, just a word about the prizes: There is a \$500 cash first prize, a \$300 merchandise order second prize and a \$200 merchandise order third prize to be awarded for the best (see rules) sets of sixteen assembled pictures belonging to any one station. Since there are twenty-four Whozit stations, there are twenty-four of these first, second and third prizes, or seventy-two prizes, with a total value of \$24,000. Everyone is eligible to save and put together a set of sixteen pictures from each station they care to or feel capable of re-assembling correctly. Thus there is a possibility of winning more than one of the prizes.

Best of all, however, are the two grand prizes each of \$1,000 cash. One of these will be awarded to the contestant or "Whoziteer" who sends in the greatest number of stations' Whozit pictures nearest correct and neatest assembled. (In all 384 of these will appear. See Rules.)

The other grand prize of \$1,000 will be awarded for the nearest correct, neatest and best appearing set of sixteen Whozit pictures of any one station.

How You Will Be Helped

Each Whozit station will aid you by giving you over the air or in person hints that will enable you to identify and correctly assemble the Whozit pictures from that station. The schedule of the broadcasting of this information by the stations is given herewith in another column.

Caution! The last sentence of rule six says that each assembled Whozit picture must be identified in ten or more words giving at least five facts about the artist or announcer whose picture it is. These facts will not be difficult to obtain, as the Whozit stations will give many facts about the Whozit artists during their

KAY SINGS TO LOVE SICK SWAINS



Vivacious emotions are vivaciously purveyed each afternoon and evening from Station WBBM, the Stewart-Warner Air theater, by Kay Bonayne, above, singer of "blues" that wander over the chromatic range from palest azure to deepest indigo. Kay gets requests and letters from every species of love sick humanity. There are letters from those who have loved and lost, those who have never loved at all, and those who feel that love is too perfect to last. In her voice they say they hear all the joy and all the heartbreak that they feel themselves and cannot lyrically express.

broadcasts of the Whozit information.

The list of Whozit stations is given with the Whozit broadcast schedule and again in rule one of the Complete Rules.

Game of Whozit Is Free

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 of-

fices 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 offices of the twenty-four participating broadcasting stations.

Everybody understand? If you don't, write Radio Digest. If you do, get out your scissors, and let's play WHOZIT!

WHOZIT SCHEDULE NOVEMBER 15-30

Eastern	Central	Mountain	Pacific	Eastern	Central	Mountain	Pacific
11:30 a.m.	10:30	9:30	8:30	9:30 p.m.	8:30	7:30	6:30
WMAK (265.6) Tues.				CKY (384.4) Mon, Wed.			
12 n.	11	10	9	WHB (365.6) Tues, Thurs.			
WHT (399.8) Daily ex Sun.				WHK (272.6) Wed.			
WMAK (265.6) Daily.				WSM (282.8) Sat, Nov. 20.			
6:45 p.m.	5:45	4:45	3:45	10	9	8	7
WOAW (526) Daily.				WLW (422.3) Daily ex Fri.			
7	6	5	4	WHK (272.6) Mon.			
WOC (483.6) Daily.				WSOE (241.8) Mon.			
7:15	6:15	5:15	4:15	10:15	9:15	8:15	7:15
WMAK (265.6) Daily.				KOA (322.4) Fri., November 19.			
7:30	6:30	5:30	4:30	WMCA (340.7) November 15, 17, 18.			
WMCA (340.7) November 16, 19, 20.				10:30	9:30	8:30	7:30
7:50	6:50	5:50	4:50	WMC (499.7) Thurs.			
WJAX (336.9) Daily ex Thurs.				WSM (282.8) Fri.			
8	7	6	5	11	10	9	8
WHT (399.8) Daily ex Sun., Mon.				KMOX (280.2) Daily.			
8:15	7:15	6:15	5:15	KTHS (374.8) Daily.			
WSM (282.8) Sat., Nov. 20.				WHK (272.6) Sat.			
8:30	7:30	6:30	5:30	WHT (399.8) Daily ex Mon.			
WPG (299.8) Mon., 22; Sat., 27; Mon., 29.				11:10	10:10	9:10	8:10
8:45	7:45	6:45	5:45	WOOD (242) Daily.			
WHB (365.6) Mon, Wed, Fri.				12 m.	11	10	9
9	8	7	6	WHT (399.8) Daily ex Mon.			
CKY (384.4) Thurs, Sat.				WJR (516.9) Sat.			
KPRC (296.9) Daily ex Fri.				12:15	11:15	10:15	9:15
WHT (238) Daily ex Mon.				KJR (384.4) Daily ex Sat.			
WJR (516.9) Mon, Wed.				1 a.m.	12	11	10
9:15	8:15	7:15	6:15	WHB (365.6) Sun.			
WNAC (431) Nov. 24, Wed.				1:15	12:15	11:15	10:15
				KFWB (252) Daily.			

ANSWERS FOR YOUR WHOZIT QUESTIONS

READ THESE IF NEW GAME IS NOT ENTIRELY CLEAR

When to Submit Solved Pictures—What to Solve—Where to Get Five Facts

(For Complete Rules See Page 11)

QUESTION—Am I to send in to Radio Digest the pictures as I solve them?

ANSWER—No. Hold them until you have a complete set; the last pictures will appear in the March 1 (or First March) issue of Radio Digest. You then have fourteen days to send in your complete solution.

QUES.—Do I have to solve all the pictures from all the stations?

ANS.—Not unless you are trying for the DX championship prize of \$1,000.00 which will be awarded to the one submitting the nearest correct and neatest solution of all the pictures with proper identification. If you are not trying for the DX championship all that will be necessary for you to do to enter for a prize will be to submit the nearest correct and neatest solution of the sixteen artists from anyone of the broadcasting stations participating. Two pictures from each station will be published each issue for eight issues of Radio Digest. A set of sixteen from one or all of the stations participating can be submitted. The contestant having the nearest correct and neatest solution together with proper identification of any station will be awarded first prize of \$500.00 in gold. The second nearest correct and neatest solution with proper identification, \$300 in merchandise. The Third, \$200.00 in merchandise.

QUES.—Will it be necessary for me to buy a copy of Radio Digest each issue?

ANS.—No, the contest is free. 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 offices of participating broadcasting stations. These, with proper identifications, may be submitted for the published pictures.

QUES.—If I do not hear the broadcasting, where can I get this information?

ANS.—All general information, helpful to the solution of the game, may be obtained from any of the offices of the broadcasting stations participating.

QUES.—Where do I get the five facts about the artists that is necessary to submit with each completed portrait?

ANS.—You can get this material by broadcast over the air or it will be available in the offices of the stations participating, or at the offices of the Radio Digest in Chicago or New York. We will give you the names of the artists, for a start, and that will count as one fact.

QUES.—What do you mean by "five facts?"

ANS.—Their names and stations (count as one); what voice they sing, what instruments they play, or what their bit before the microphone is; when they were born; if they are married or single; what the color of their hair, eyes or skin is; other descriptive items, etc.

QUES.—Can I cut out the background of the assembled picture and paste the segments so that the photo stands by itself, provided that I write the numbers plainly beside their respective segments?

ANS.—Yes. Neatness will be an important factor in making awards.

WHOZIT HINTS

Get into the Whozit game today. Read everything you can find in Radio Digest about the game.

Familiarize yourself with the Whozit stations within your range.

Hunt for the names representing those stations beneath the Whozit strips. Check with the hour those stations that are scheduled in Radio Digest to broadcast.

Provide yourself with a pencil and a pair of scissors and tune in for that great Whozit hour.

Mark the segments as you identify them from the voices over the air.

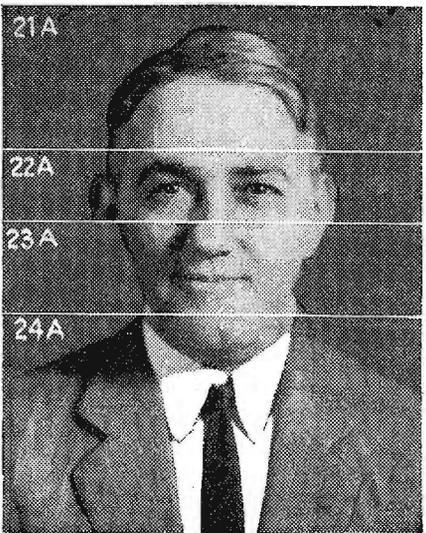
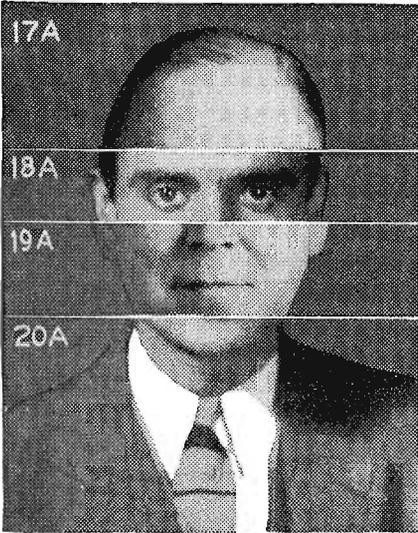
Cut the segments apart and paste them together in their proper order. (Later these may be assembled in folio.)

When you have finished you will have two complete photographs of Radio artists toward the complete set of sixteen, the number you will need to identify to qualify you for the station prizes.

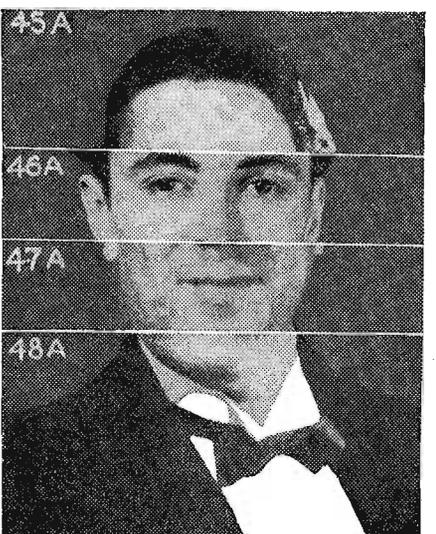
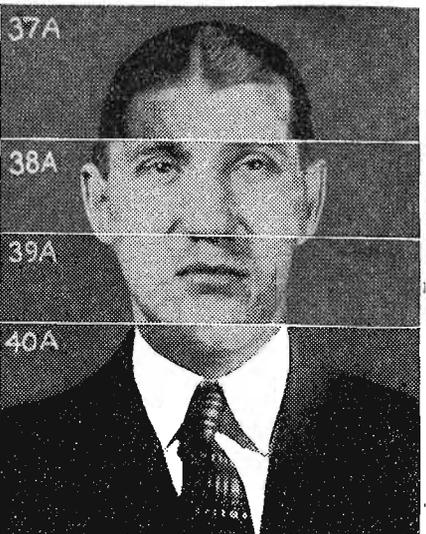
\$26,000.00 IN PRIZES FOR SOLVING "WHOZITS"



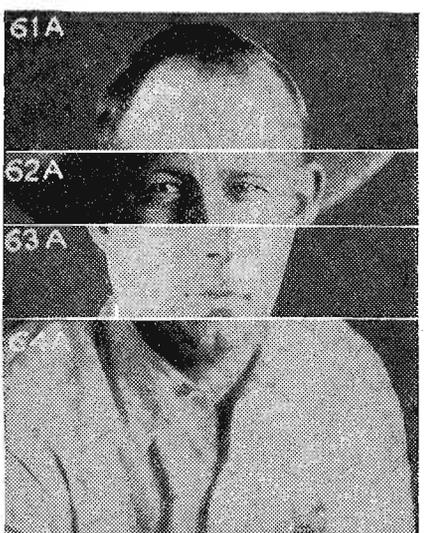
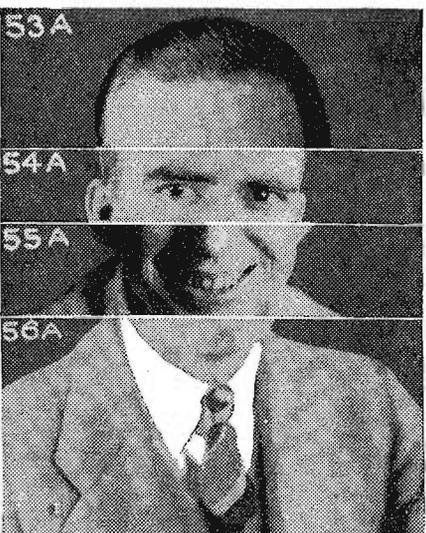
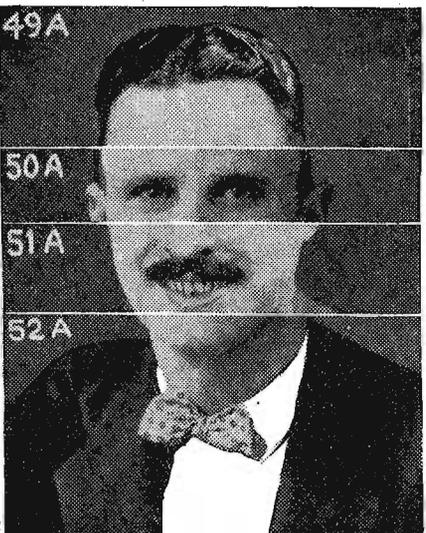
The following artists are in panel above: Grace Schaefer, WOAW; Natalie Arnoux, KTSH; Alice Sachse, WPG; Louise Schnauber, WOAW.



The following artists are in panel above: Stuart Dawson, WHT; A. E. Bush, WSOE; Al Carney, WHT; Frank Vaughn, WSOE.



The following artists are in panel above: Harry Philwin, WMC; Clarke Tate, WMC; Carlo Ferretti, WPG; Lawson Reid, KTSH.

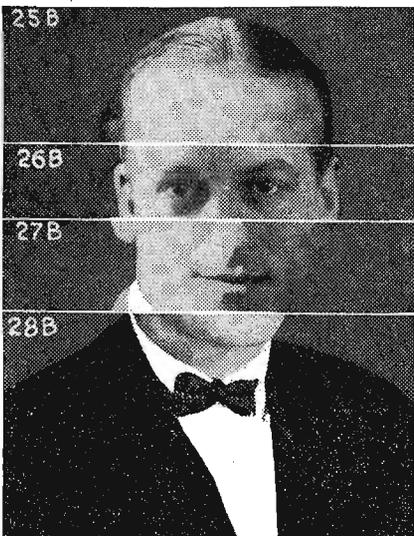
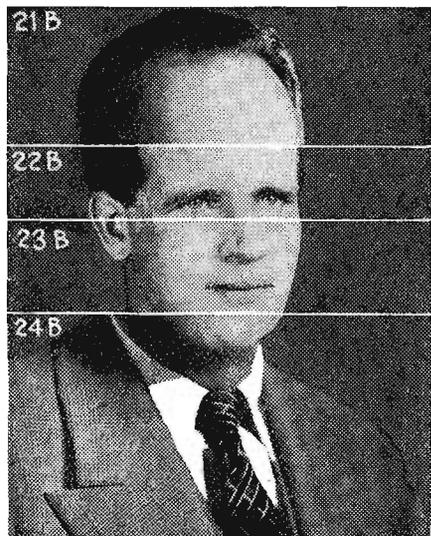


The following artists are in panel above: Frank Lane, KVOO; Snedder Weir, WMCA; Ted Nelson, WMCA; Roy C. Griffin, KVOO.

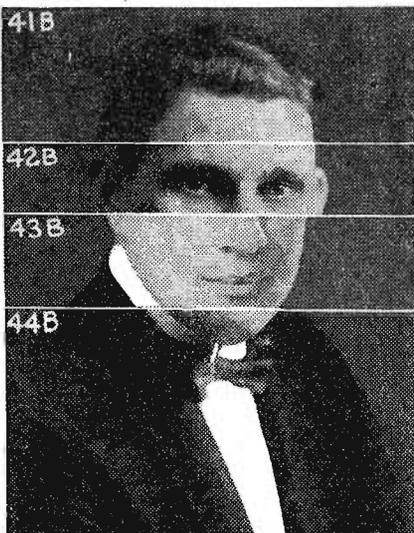
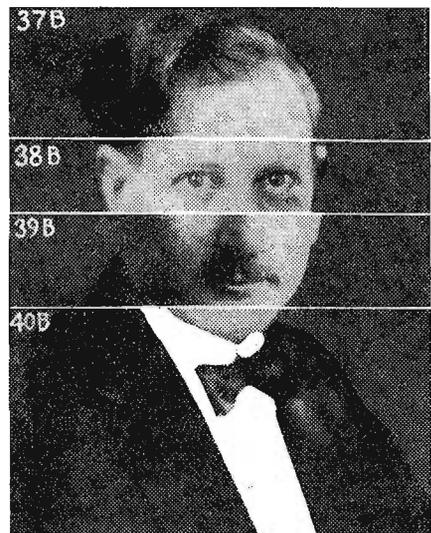
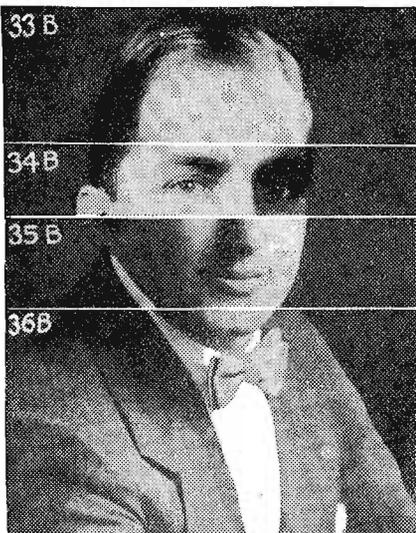
ASSEMBLE THESE PICTURES OF RADIO ARTISTS



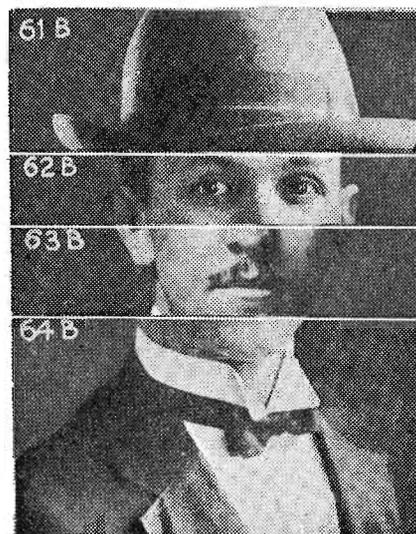
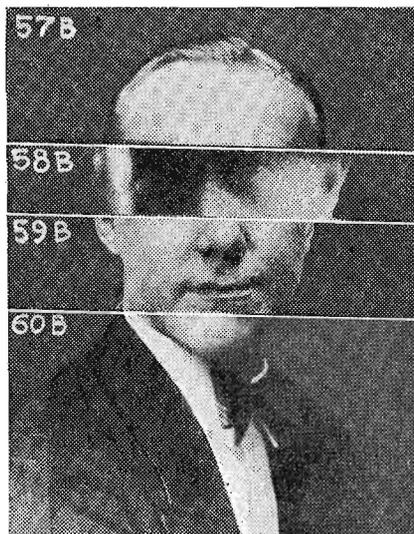
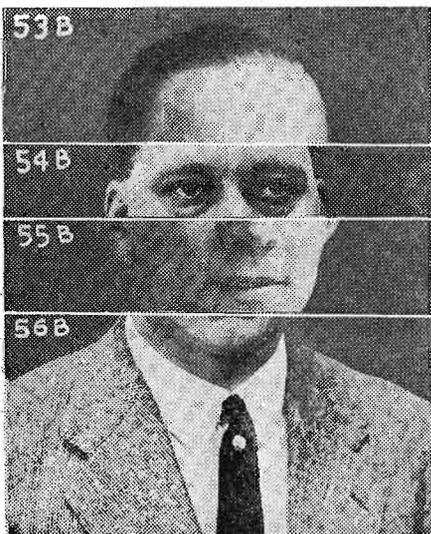
The following artists are in panel above: Mrs. T. J. Harling, KPRC; Marigold Cassin, WOC; Alice Maslin, KMOX; Jean Sargent, WNAC.



The following artists are in panel above: George Junkin, KMOX; Peter MacArthur, WOC; Patrick Brown, KPRC; E. Lewis Dunham, WNAC.



The following artists are in panel above: E. J. Sweeney, WHB; Harry Lane, WHB; Leo Dessauer, KJR; Henri Damski, KJR.



The following artists are in panel above: Ray Bankson, KOA; J. E. Klein (or "Senator Schultz"), WLW; William C. Stoess, WLW; Walter Newell, KOA.

ASK

these Questions

When You buy an Eliminator

Must I purchase a separate C battery and how will I know that a leaky cell is not spoiling my reception?

In the Freed-Eisemann you do not need a separate C battery. Both C and B are supplied because a leaky cell in a C battery cannot always be detected, and yet can spoil reception. The Freed-Eisemann power unit gives perfect C power.

Must I operate rheostat controls in addition to the controls on my set, and how will I know that I am furnishing the proper B voltage when I adjust the controls on the Eliminator?

Freed-Eisemann is automatic. No controls.

Is there a safety door which will automatically cut off the line current while I'm connecting wires to my set?

In the Freed-Eisemann the safety door cuts off the line current while you make connections. When closed, all terminals are covered.

Is there a voltage regulator tube in addition to the rectifier tube so that I will automatically get a steady and not a jumpy current and so obviate the necessity of separate controls on the Eliminator?

The voltage regulator tube in the Freed-Eisemann B & C Eliminator automatically gives your set just the current it needs in changing

from high to low volume stations. No controls on the Freed-Eisemann. A good Eliminator must have both a voltage regulator tube and a rectifier tube. Two tubes are necessary!

Has it provision for ample C in addition to full voltage of B supply so I can get the most out of the power tube in the 2nd audio stage?

"C" governs tone in your set. The Freed-Eisemann Eliminator supplies as high as 27 volts of "C" in addition to 135 volts of steady hum-free "B" current at the same time.

If more than 135 volts of "B" are used with your radio, you may burn out the loud speaker windings or the fixed condensers in your set.

The Freed-Eisemann is absolutely safe and gives perfect performance with any speaker or set.

When the lights are turned off or on, in houses in my neighborhood, and line potential varies, or when the electric light plant is delivering a fluctuating current, how does the Eliminator maintain an even current?

The Freed-Eisemann transforms the current by the rectifier tube and then maintains an automatically controlled even supply by the voltage regulator tube.

The ONLY Eliminator that has
ALL these vital features is the new

FREED-EISEMANN

B & C POWER UNIT

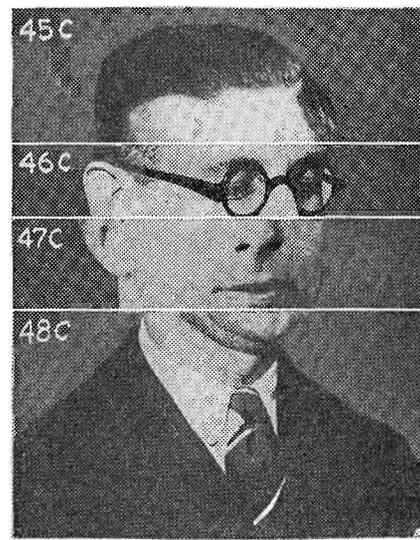
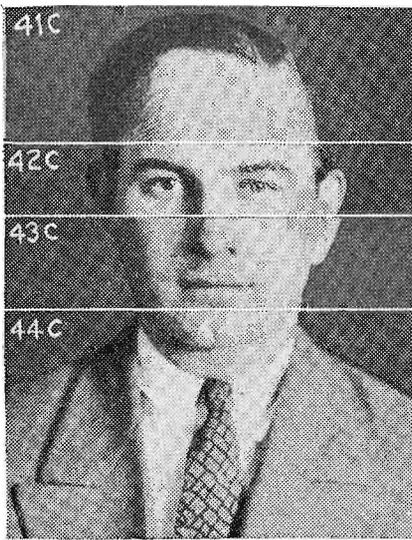
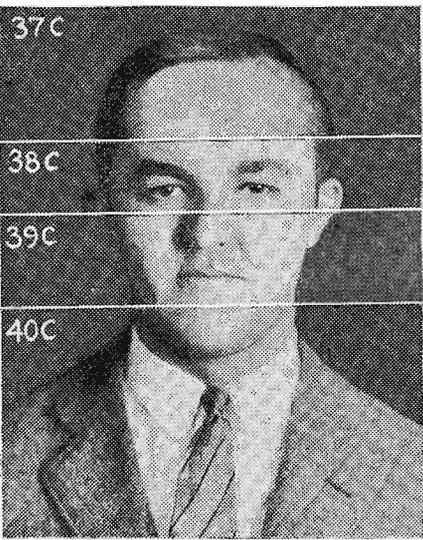
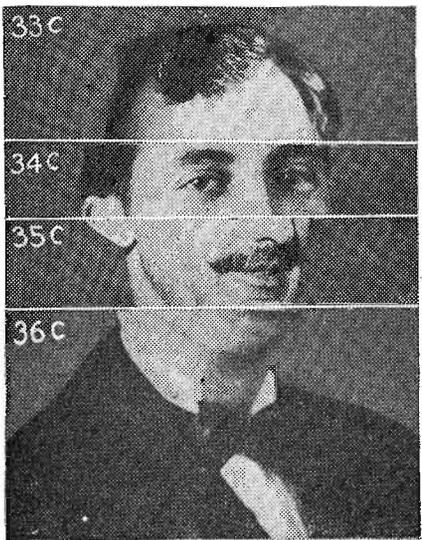
PLAY THE GREAT NATIONAL GAME OF WHOZIT



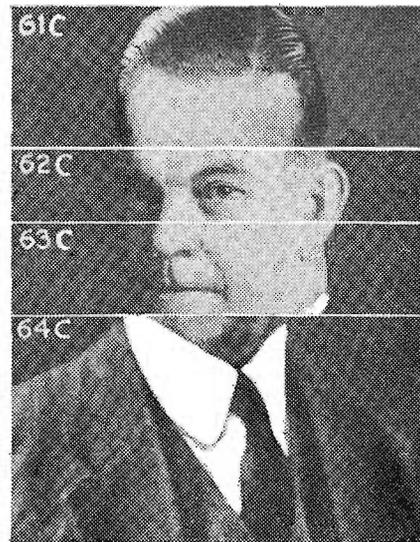
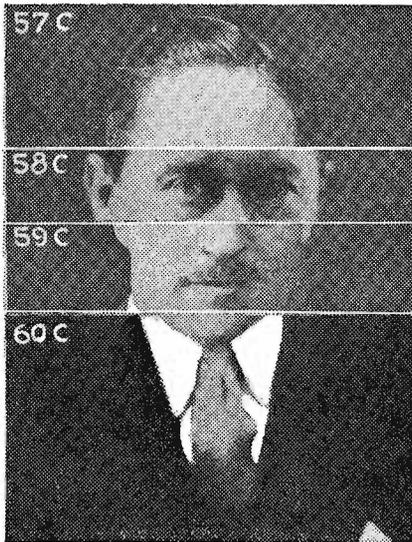
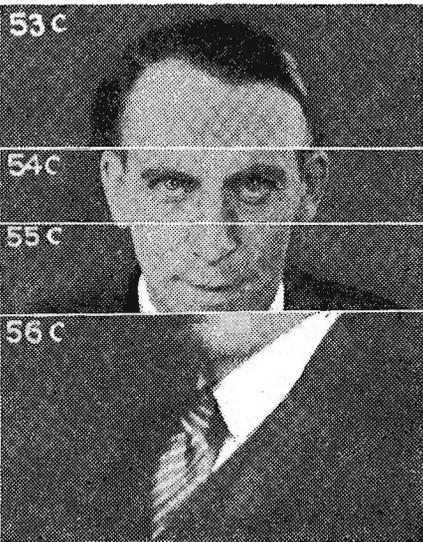
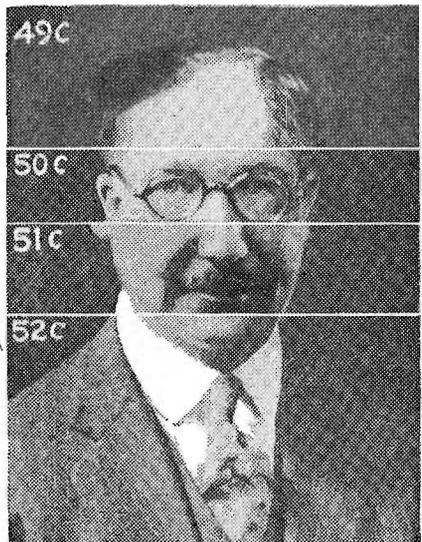
The following artists are in panel above: Muriel Kyle, WJR; "Bernice," WJR; Mrs. A. H. Shaw, CKY; Winifred Parker, CKY.



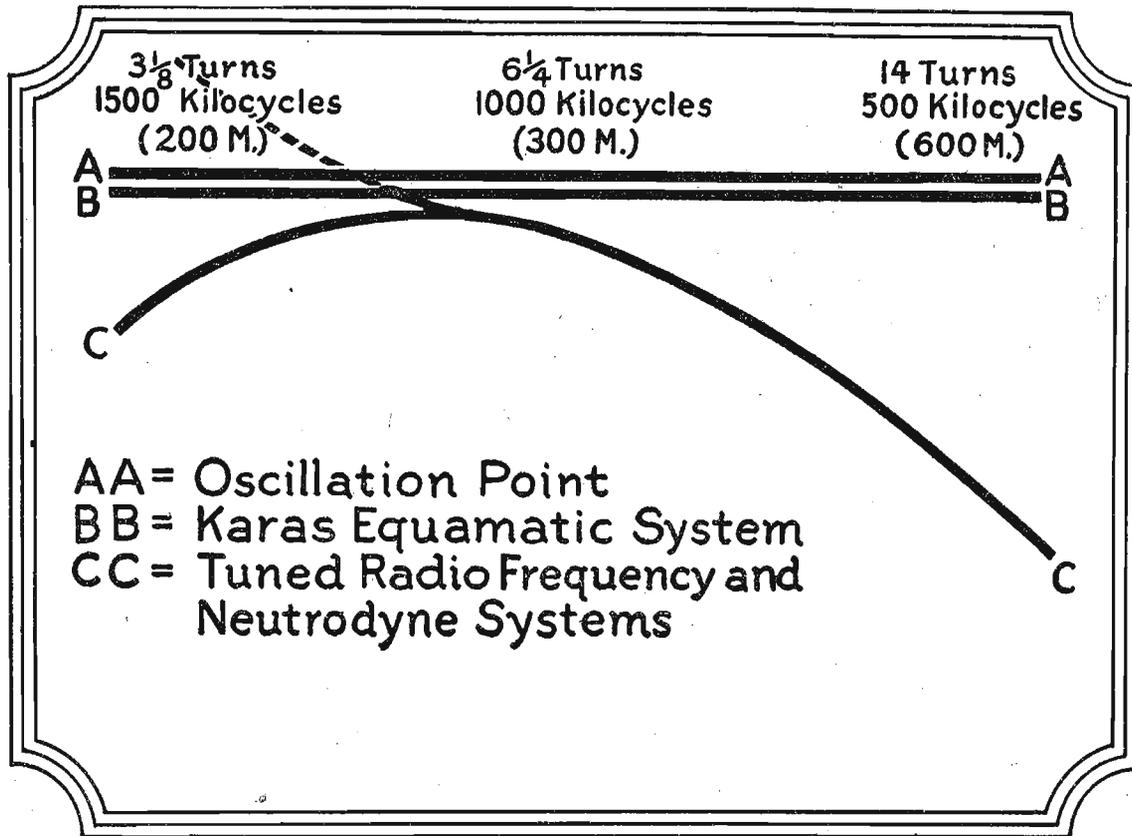
The following artists are in panel above: Grace Sande, WMAK; Helen Neuman, WOOD; Esther White, KFVB; Martha Brown, WSM.



The following artists are in panel above: Eddie Squires, WJAX; Charles Lawman, WJAX; Mike Lash, WHK; Eddie Mosier, WHK.



The following artists are in panel above: Tudor Lanus, WOOD; A. T. Erisman, WMAK; Charlie Wellman, KFVB; Obed Pickard, WSM.



Why is the KARAS EQUAMATIC the most efficient receiver ever designed?

YOU who have attended the great radio shows in New York and Chicago do not need to be told that the Karas Equamatic Receiver was not only the biggest new thing on exhibition there, but also the most talked about new receiver of either show.

Every visitor at both shows was given a new thrill when he observed how Karas had solved the last and most baffling problem of radio.

All who have heard this sensationally successful receiver—all who have built Karas Equamatics for themselves—have been amazed at its flexibility—its selectivity—its great volume—its remarkable tone, while at the same time marveling at the innate simplicity of the set and the ease with which anyone, without even a particle of radio experience, can quickly build the Equamatic and enjoy the possession of a receiver which is the last word in efficiency.

The Hidden Secret of Equamatic Efficiency

The efficiency of the Karas Equamatic lies in its uncanny ability to maintain the tubes at their very highest point of efficiency—just below the oscillation point. Radio engineers have known for years that this was desirable, but only Karas has been able to design a receiver that accomplishes this—not occasionally—not at certain points of the dials—but AT EVERY WAVE LENGTH SETTING FROM 200 to 600 METERS! You can turn the dials of the Equamatic from one end of the scale to the other and the set will not lose one particle of its efficiency at any point. The tubes positively will not break into oscillation. Yet the slightest change in the rheostat setting will permit them to oscillate.

All of this has been achieved in the Karas Equamatic by providing a continuously equal transfer of energy between the primary and secondary of the inductance coils at all wave length settings of the dials between 200 and 600 meters, and by making this transfer of energy at all times the practical maximum necessary to keep the tubes exactly under their oscillation point. No other set ever did this before. No other set does this now.

Note the Three Lines on the Chart

In the chart shown above, the line AA represents the oscillation point of a tube between 200 and 600 meters. The line BB, directly below this, is the point at which the tube will operate at its highest efficiency, and is also the point at which the radio frequency tubes in the Karas Equamatic operate at all wave lengths. The curved line CC indicates the tube efficiency of a tube in an ordinary tuned radio frequency set and in the neutrodyne circuit.

Note that the line CC falls far below the oscillation point at its right hand end, i. e., at low frequencies. Note also that such sets as tuned radio frequency and neutrodyne receivers approach the efficiency of the Karas Equamatic Receiver at only one point between 200 and 600 meters (this point being where the curve CC almost but not quite touches the line BB.) At

this one point in the broadcast wave band, and at this point only, do these sets come anywhere within range of Equamatic efficiency. If various stabilizers and other so-called lesser methods of control were not used to keep the tubes from breaking into oscillation, when tuned to the shorter wave lengths the curve of these sets would extend far above the lines AA and BB, as indicated by the dotted upper portion of the line CC. Due to these lesser methods the tube efficiency of such sets at the shorter wave lengths falls away from the desired optimum line BB, at which the Equamatic System always maintains the Karas Equamatic Receiver.

Note that the left hand end of the line AA represents 200 meters, and the right hand end 600 meters, while the center represents 300 meters. Since the impedance of an inductance varies with the frequency and the amount of energy transferred from primary to secondary varies with the impedance, a primary coil must have much greater inductance to tune to 600 meters than will be needed to tune to 200 meters. Assume that these values are 14 turns of primary for the longer wave and 3 1/8 turns for the shorter.

One Hundred Coils in One

The Karas Equamatic Receiver automatically provides the exact number of turns of primary for EVERY WAVE LENGTH SETTING OF THE DIALS—its ingeniously designed Inductance Coils accomplish what could only be done otherwise with a hundred separate inductances, each of the proper value for a certain wave length—and the tubes thus are kept at precisely their proper point for highest efficiency operation—just below their oscillation point. The primary coil is mounted upon the extended shaft of the Karas Orthometric Variable Condenser at an angle of 58 degrees, which gives, in effect, the precise number of turns or parts of a turn needed to furnish the continuously increased inductance for each succeeding longer wave length.

What Is the Result of this Equamatic Efficiency?

As a result of its remarkable design the Equamatic has a selectivity undreamed of save in a superhet. It has a volume on DX that remains constant for every station brought in. It has a clarity of tone that is unlike any other receiver, regardless of price or number of tubes. It is easy to tune. Any member of the family can get superlative results with the Equamatic. It stays put—does not develop temperamental streaks—has no "off nights"—and performs consistently and uniformly at 100 per cent efficiency always.

You, Too, Can Build This Great Receiver

Anyone, even without set-building experience, can build this wonder set in a short time. We furnish a complete manual of simple, easily understood assembly instructions with every set of three Karas Equamatic Inductance Coils. We supply every nut, screw, binding post, for mounting all the parts. In addition to the Karas parts listed in the coupon you will need certain other standard parts easily obtainable anywhere. Your dealer can supply ALL of the parts you will require, including panel and subpanel completely drilled and engraved, if you wish. If he is out of stock you may order Karas parts direct from us by filling out and mailing the coupon below. SEND NO MONEY. Just hand the postman the price of the Karas parts plus a few cents postage.

Order your parts today so that you can begin building your Karas Equamatic Receiver just as quickly as possible. You want one of these great sets—you should have the most efficient receiver obtainable—you will have it if you build this Karas Equamatic. MAIL THE COUPON NOW!

KARAS ELECTRIC COMPANY
1078-S Association Building
CHICAGO



Karas
Micrometric Dial

**Yes! You Can
Tune to Within
1-1000 of an Inch
With the Karas
Micrometric**

How would you like to be able to secure a vernier action in tuning that was as fine as 1-1000th of an inch? How would you enjoy operating a set with condensers equipped with vernier dials that had not a five to one, nor a ten to one, nor even a twenty to one, but that had a 63 to 1 ratio between the vernier knob and the condenser shaft? Karas Micrometrics offer you this remarkable hair-splitting control. They are the only vernier dials made which do this. And they accomplish it without a particle of backlash. Karas Micrometrics use no cams, or other unreliable friction devices. They never pause, jerk or slip; just a liquid-like smoothness of operation. You should equip your set with Micrometrics. You will be amazed at the ease with which you can bring in stations you could never bring in before. Your dealer can furnish them in 180 or 360 degree types, the former with either right or left hand markings. Micrometrics are made of Bakelite. They have large, comfortable knobs, gold inlay markings of unusual precision, and may be attached to your present set without drilling any additional holes in panel. To really know sharp tuning you must use Karas Micrometrics. Order them today from your dealer, or if he cannot supply you, order direct from us. Price each, \$3.50.

*Equamatic System Licensed Under
King Patents Pending.*

Essential Parts of the Karas Equamatic Sensation

KARAS EQUAMATIC INDUC- TANCE COILS

are packed three in a carton, and come to you with complete manual of simple diagrams and instructions, all necessary nuts, screws and binding posts, ready for mounting in your

receiver. Price, set of three coils, \$12.00.

KARAS SPECIAL 17 PLATE ORTHOMETRIC CONDENSERS,

three of which are used in the Equamatic Receiver, have special extended shafts upon which to mount the primary coils of the Inductances. Price, each, \$7.00.

KARAS HARMONIK AUDIO FREQUENCY AMPLIFYING TRANSFORMERS

are essential to the tone quality success of the Equamatic Receiver. Two of these are used for the two stages of audio frequency amplification. Price, each, \$7.00.

KARAS EQUAMATIC RETARD COILS, two of which are used, were designed especially for the Equamatic System. Price, each, \$1.00.

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.

KARAS MICROMETRIC DIAL. It has a 63 to 1 vernier and tunes to 1/1000 of an inch. Price, \$3.50.

KARAS ELECTRIC CO.

1078-S Association Building Chicago, Illinois

Please send me set of 3 Equamatic Inductance Coils, \$12.00; 3 special Orthometric Condensers with extended shafts, \$7.00 each; 3 Micrometric Vernier Dials, \$3.50 each; 2 Harmonik Audio Transformers, \$7.00 each; 2 Equamatic Retard Coils, \$1.00 each; and 3 sub-panel brackets, 70c, for which I will pay postman \$60.20, plus postage, upon delivery. It is understood that I have the privilege of returning any of this apparatus for full refund any time within 30 days if it does not prove entirely satisfactory.

Name

Address

City State

(If cash accompanies order we will ship postpaid.)

“King” Builds Karas Equamatic

PART III, Conclusion, in Which the Regal Milo, Aided by Maggie, Tells How to Finish Wiring This Selective, Beautifully Toned Receiver, and How to Operate It

By “KING MILO” GURNEY

I'M TELLING you, boy—that this is some big happy world to live in—and the scenery is growing more interesting and less instructive each day. Do you know what I mean? Once upon a time even the wisdom of Solomon would make a bum guess on “wimmin,” but today—oh, boy—Old Man History has repeated himself. Remember 'way back when fond fathers used to pipe up about “Children should be seen and not heard?” Well, Bozo, he was right. All you have to do is give one peek through your Rose Colored Glasses and you'll discover the avenue thick with “girlies” from 14 to admitted 40 who absolutely insist upon being seen.

Of course, hosiery has its place in the fitments of wiminkind, as a matter of form, and I'm thinking “wimin” have a perfect right (saying nothing about the left) to dress as they choose, but I don't think they have any business going to football games to disrupt the “esprit de corps” of the players. And they shouldn't fuss me up with their color schemes until I can hardly get down to brass tacks and tell you how to finish the wiring on this little wonder Karas Equamatic.

connects W-20 with minus A connection of S-1. Then put the 4-inch piece of sleeving on W-20, keeping close to next link, W-22, which goes through hole 56 and connects W-20 to minus connection of S-2. The 2-inch piece of sleeving is then put on W-20 close up to hole 56, where it crosses the center panel bracket, D-2. At the end of this 2-inch piece of sleeving make a bend in the wire so that it just

to use a long wire again for this connection. Put a one-half twist in the soldering lug on binding post B-6, so that a wire along the panel can go through it. Put wire through the hole in the soldering lug and then put on a 3-inch piece of sleeving to cover the sub-panel bracket. Bend end of the wire into soldering hole on bottom of binding post B-4. Do not solder at this point. Where this wire becomes even

wire across the plug terminals. Now connect W-34 from filament switch to the red or plus A post. As this is a common connection with the minus B, we will connect this right at the Jones plug also with wire W-35. W-34 goes through hole 42 and should be sleeved the remaining distance to the filament switch. Now connect the brown or aerial post of the Jones plug to binding post B-1 with W-36. This will require a new length of wire. This connection is started at Jones plug first, goes through hole 43, and makes a slight jog toward the edge of the sub-panel here or so that it may run parallel to the edge of the sub-panel and close up against the ends of the sub-panel brackets. Two 2-inch pieces of sleeving are put on it to insulate the wire from the brackets. The wire is then bent into the soldering hole in the binding post B-1 and the connection soldered.

Turn set over and connect minus filament of the two transformers with W-37. The wire should run about 1/4" beyond ends of the soldering lugs so that it passes

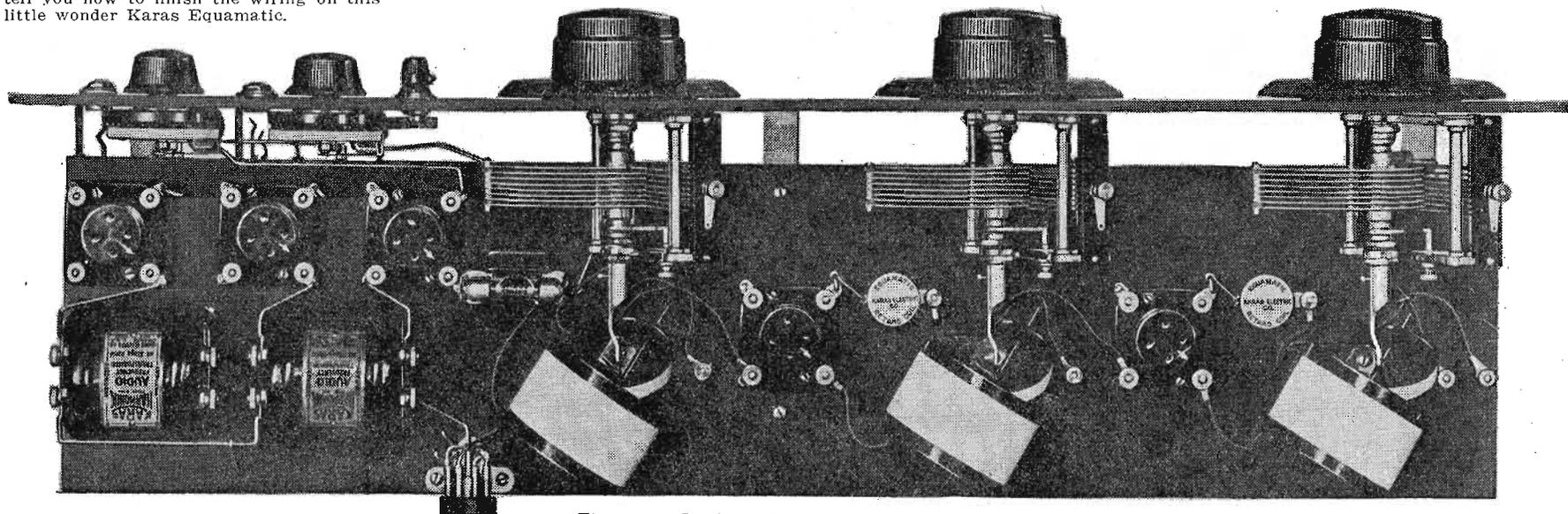


Figure 7—Looking down on completed set.

NEVER mind, never mind, Maggie wasn't there, and when she reads this it will be too late to bawl me out because I left her out of the story. Therefore, I now adjust my pair of green goggles so that I cannot be influenced unduly and will continue from the last issue of the Radio Digest wherein the front panel assembly was screwed to the sub-panel assembly, and proceed to connect the condensers. Here's how:

Now with set bottom side up and Jones plug toward you, connect W-14 from lower stator connection of first condenser, C-1, to the grid of Socket S-1. This connection passes down through hole 59, up through hole 47, and then to the grid connection of S-1 and has a piece of 4-inch sleeving to keep it away from binding post B-3. Then connect W-15 from lower stator connection of second condenser, C-2, to grid connection of S-2. This wire passes from the condenser down through hole 60 and up through hole 48 to grid lug of tube Socket S-2 and has a 4-inch piece of spaghetti sleeving between the holes. Connect W-16 from lower stator connection of C-3 to the connection nearest it on the grid condenser. Connect W-17 from rotor connection of C-1 through hole 52 to soldering lug on binding post B-3. In same manner connect W-18 from the rotor of the second condenser, C-2, through hole 55 to the lug on bottom of binding post B-5. Make a loop and connect W-19 from the rotor connection of third condenser with W-5 which is just below hole 58.

Starting with a long wire at the lug on the binding post B-2, with a 4-inch piece of sleeving at this end, lay W-20 so that it passes over hole 53. Just at this hole, make a bend so that the wire also passes over hole 56. It is now running parallel with the sub-panel edge. Cut two pieces of sleeving, 4 and 2 inches long, respectively. Make two connecting links, W-21 and W-22, with loops at one end, 1/8" long from the center of the loop, to connect this wire to the minus A connection of the first two tube sockets. W-21 goes through hole 53 and

crosses the middle of rheostat R-10. This free end is bent over the corner of the sub-panel and connected to rotor connection of first rheostat. Be careful to keep W-20 well away from filament switch.

Now connect W-23 from W-13 to the soldering hole on the amperite mounting A-2, on the end nearest Jones plug. This wire will be sleeved and will run between the first stage pack J-1, and amperite mounting A-2 and will be parallel to them. Attach the end at the rheostats with a loop. Now connect W-24 from soldering lug on the switch, which is closest to the edge of the sub-panel, to wire W-5, making a loop at this end. Now connect W-25 from top spring of jack J-1 to P of S-4 through hole 50. The top spring is the one nearest heads of the screws. Likewise connect W-26 from top spring of jack J-2 to P of S-5 through hole 51.

NOW turn set over right side up and connect W-27 from minus of S-3 to rotor connection of rheostat, R-30. Turn set with panel face down and with the bottom of sub-panel toward you. Now connect W-28 from the plus B of T-2 through hole 46 to the third spring of jack J-1. Keep the wire as close to the under side of the sub-panel as possible. Now connect W-29 from the P of T-2 through hole 49 to second connection of jack J-1, also keeping this wire as low as possible and away from the last wire.

Turn set bottom side up again with Jones plug toward you and connect the plus B-90 wire W-30. It will be necessary

with end of the second amperite mounting A-2, bend it directly up to fourth lug in the first jack. At a point just above the hole, bend wire at right angles so that it passes over lug No. 4 in the first jack and lug No. 2 in the second jack. Cut it off just beyond the second jack. By bending the fourth prong of jack J-1, sliding the wire back through the soldering lug on B-6 and bending the wire slightly, it can be gotten through both of these jack prongs and into both soldering holes also. Then solder all connections, making sure that this wire is far enough away from the wire in spring No. 2 of J-1.

The next step is to make connections to the Jones plug. Place the set on end with the first condenser, C-1, down, and with Jones plug toward you. Connect W-31 from the pink post of the Jones plug through hole 44 to the plus B-90 wire, W-30, just finished. As it runs within 1" of hole 44, the connection is simply brought out of hole 44 and connected at the nearest point with a loop. It is best on all these connections to the Jones plug to make the plug connection first.

Now connect W-32 from the green or minus A connection of the Jones plug through hole 41 to the nearest connection on the amperite mounting A-1. All of the wire under the sub-panel is sleeved. As the ground and the minus A are to be connected together, this connection W-33 is made right at the Jones plug with a

right over hole 45. With a loop on W-38 around W-37, allow it to extend through hole 45 for 1/4". Turn the set over and tie C battery with thread on under side of the sub-panel between the jacks and the end of the sub-panel bracket. Wind the thread back and forth from the end of the bracket to the plug B connection which connects the two jacks. Then attach minus connection of the C battery to end of wire W-38. Attach the plug C battery connection to W-23 at the end where it is attached to the amperite mounting.

Turn the set right side up and place one retard coil on the binding post B-3 and connect W-39 from the other end of the retard coil to the minus connection of Socket S-1. Put the other retard coil on the binding post B-5 and connect W-40 from its other end to the minus connection of S-2. The receiver is now completely wired.

NOW attach the dials so that when the plates of the condensers are entirely turned in, the dial marking registers 100. Put the primaries on the shafts, with set screw up, when the condensers are at 100. Then turn each coil at right angles with the white line underneath it. The lead wires in each case go underneath the brackets which connect them with the condenser. The black lead wire of primary No. 1 goes under the binding post in hole 30. The green lead wire of the first primary goes under the binding post in hole 31. The black wire of primary No. 2 goes on the P binding post connection of tube socket S-1. The green wire of primary coil No. 2 goes under the binding post in B-4. The black wire of primary coil No. 3 goes under the P binding post of the second socket. The green wire goes under the binding post B-6.

The secondary coils are then slipped under the little clips from the rear of the set, parallel to the white line, with the slot in the bracket toward the front panel, until they come even with the side of the primary nearest the condensers. Now place the black coils under the binding post B-3 which holds

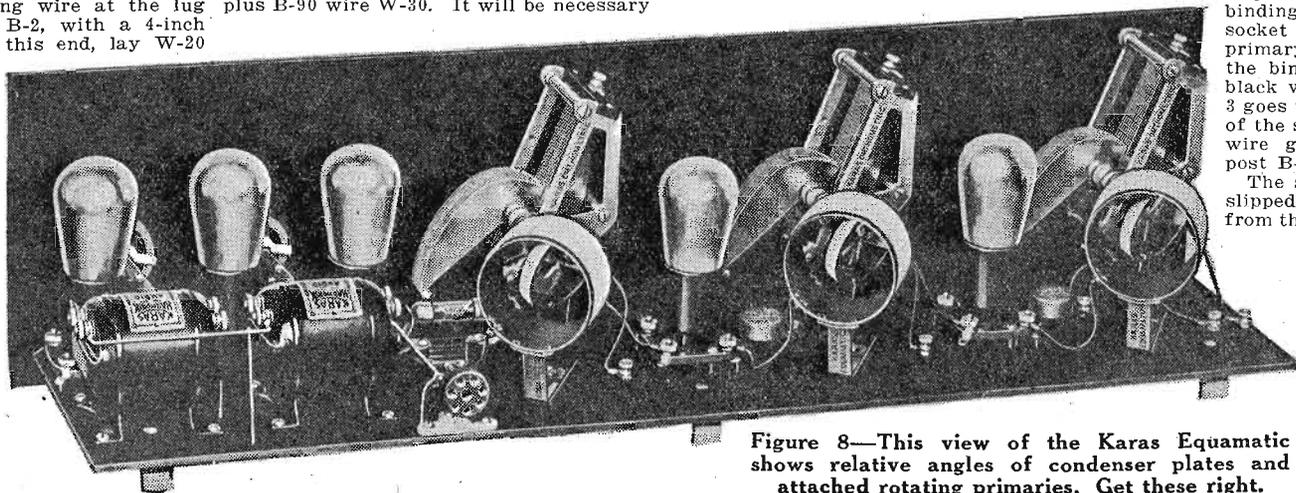


Figure 8—This view of the Karas Equamatic shows relative angles of condenser plates and attached rotating primaries. Get these right.

(Turn to page 12)

Announcing the new *Prest-O-Lite* Trikl-Automatic Radio "A" Power Unit

AN "A" power unit combining Prest-O-Lite's fine storage battery with a trickle charger. A unit that can be plugged into an electric light socket, then hooked up to the radio set—and forgotten! It charges itself automatically.

It's new. Entirely automatic in action. No switches to operate by hand. Now you can have full storage-battery power for your radio *all the time*. Power that is noiseless and without the slightest pulsation, the kind of power that brings in the distant stations loud and clear.

Never again will you have to bother with a charger. Never again will a run-down "A" battery spoil your radio.

A thing of beauty.

The unit is beautifully finished in deep maroon. Small and compact. Even in full view under the library table it looks well.

You'll find further details below. But the main thing is to see it. Go to the Prest-O-Lite dealer's store. There's one near you. Or write us and we will give you a lot of interesting facts about this wonderful new "A" power unit.

And remember, it is made by a company which has had more than twenty years of manufacturing experience.

THE PREST-O-LITE CO., INC.
INDIANAPOLIS, IND.

New York

San Francisco

In Canada: Prest-O-Lite Company of Canada, Ltd., Toronto, Ontario

LOOK AT THESE NEW FEATURES

The battery. Ample capacity. Extra thick, rugged plates, deep-grooved separators. Unusually large acid volume requires infrequent watering. One-piece, leak-proof rubber case, with acid-tight cover. Screw post seal and double baffle vent to prevent leakage and acid spray.

The charger. Built on an entirely new principle. Silent in operation. Adjustable to needs of individual user. Economical to operate. Nothing to get out of order. Nothing to replace. Built to last for years.

\$29.50
List



No moving parts. No bulbs. No electrolyte. No water or acid to be added. No electrodes to wear out. *Entirely automatic.* No switches to operate by hand. Built-in power relay automatically shuts off the charge when radio is in use and turns it on again when radio is idle. Will operate at any distance from set.

Fully enclosed. Entire unit enclosed in beautiful metal case, with hinged cover and handle.

Radio dealers should write at once for full details



Modernize your set with a scientific SAAL Soft SPEAKER



SAAL

Ec-centric Cone

Showing the new SAAL Ec-centric construction in cones. Stylus is scientifically placed at the umbo of eccentricity to give proportional vibrating areas for both high and low tones. Cone measures 20 inches in diameter and reproduces all tones whether the set is equipped with or without power amplifier. Price, \$25. Junior model, \$15. All prices slightly higher west of the Rockies.



SAAL Horn No. 5

The broad polished bell is of non-warping Bakelite, the goose neck of cast aluminum in crackle gold finish. The horn has no metallic resonance and is guaranteed not to blast or chatter. Standard equipment for radio engineers in laboratory work. Price, \$22.50.



SAAL Pedestal

Tones rise through the 3-foot wooden tone chamber and emerge from both front and back of the top, hence, non-directional. The top is level with your ear when you are seated tuning in. American walnut finish with inlaid design. Price, \$38.

The greatest improvement in radio this year is the improvement in speakers. In SAAL, speaker mechanisms have been developed until they now do justice to the finest radio receivers.

Furthermore, the tone chamber and vibrating area of SAAL speakers—horn, cone, and pedestal—are *scientifically shaped* for sound reproduction.

The new SAAL Ec-centric Cone—with its stylus "off center"—is shaped on the original musical principle. Just as the harp and piano have short and long strings for high and low notes respectively, the Ec-centric Cone provides a short and long radius to give proper vibrating area for both extremes of sound. This cone reproduces *all* tones equally well, without loss of low notes, without over-accentuation of high notes. And completely prevents drum or barrel tone.

In Horns, SAAL has always been standard. SAAL Soft Speaker No. 5 is the latest and most popular SAAL Horn ever offered. It requires no adjustments and no additional power for quality reception. It will give 100% satisfaction regardless of the set or equipment with which it is used.

The SAAL Pedestal is an ornament to the most beautiful surroundings. Its pure wooden tone chamber, measuring three feet in length, gives exceptionally clear mellow reception. The Pedestal is designed for those who prefer the tone quality of horn reproduction in a drawing room piece. Keeps the speaker away from the set and eliminates harmonics.

Modernize your set with one of these scientific SAAL Soft Speakers and get the fullest return from radio now.

H. G. SAAL COMPANY
1800 Montrose Ave. Chicago, U. S. A.

WORLD FAMOUS MAKERS OF HORNS · CONES · PEDESTALS

HER FRIENDLY VOICE WARMS COLD NORTH

MABEL TOMER DISPELS LONELINESS VIA CNRV

Binds Isolated Women of Wilderness Together with Chats "Over the Back Yard Fence"

Mrs. Mabel Tomer, director of women's programs for CNRV, the Vancouver station of the Canadian National Railways, has a voice that people love to hear. It has bridged great gulfs of silence for lonely pioneers in the remote parts of the province, and it has cheered men and women who were solitary and sad. It has brought hope and happiness to women who were too much alone, and far from the sound of other women's voices.

In a little informal chat which she calls "Over the Back Yard Fence," Mrs. Tomer talks for half an hour or more every Tuesday and Friday to more than fifty thousand people.

Among the women who are listening in are city women in comfortable homes, farmer's wives and daughters, and women who have gone into the hinterland of British Columbia to help their husbands hew fortune out of the great silence of the forest; women who are living in the far, frozen North. They all know Mrs. Tomer's voice now. And write her letters, telling her how she has helped them, and thanking her for making life less lonely for them.

The men write letters too, for the men like these "back yard talks" just as much as women do.

She Knows Fear of Loneliness

Mrs. Tomer has herself experienced the loneliness of isolated life. She has lived on a homestead, she has slashed acres of wooded ground and worked in the fields of her own place like a man. She has been far from neighbors herself, so she knows what it means to be lonely. And while her chats are friendly and informal, they are also instructive. She draws her hearers together like a great family, and tells them things they want to know.

Things about the city, what other women are wearing, and about the pretty new things in the shop windows. Then she tells them how to make over old clothes, and about little labor saving devices that will make their housework easier and give them more time to devote to other interests. Mrs. Tomer is a firm believer in her own sex, and endeavors to give other women all the help she can.

Tells How to Make Pin Money

For farm women, especially, she has little talks about making pin money on the farm. She gives information about side lines in marketing, possibilities of rug or quilt making, and passes on the newest ideas in colors and design.

In a little lonely hamlet far up the Pacific Coast twice a week a little group of women gather to hear Mrs. Tomer's voice over the one Radio in the community. She tells them how to beautify

HAS LARGE AUDIENCE AWAITING HER CHATS



Mrs. Mabel Tomer has a speaking acquaintance with people from Mexico to the Arctic Circle. She has made friends with thousands of women in British Columbia, Oregon, Washington, Alberta and California. Twice a week she talks to them "over the back yard fence" from CNRV, Vancouver, B. C., Canada.

their rough shacks, cheaply and practically. They write letters telling how they have painted the walls and made curtains out of old party dresses for which they have no further use; things they never dreamed of doing until they learned that other women were doing things like that and making the best of their lonely frontier days.

So Mrs. Tomer and the Radio help to make many thousands of homes better, wives more contented, husbands more comfortable.

A world's record for distant reception on a one tube set is claimed for Miss Jennie R. Miller, a bedridden invalid, who resides at 139 W. Seneca street, Oswego, N. Y., whose record came to light in the Miss Radio contest.

Hearing long distance stations is nothing new to Miss Miller, whose log includes 316 broadcasters. She listens in during the late hours of the night, her room in total darkness. She has heard 5NO, Newcastle, England; LOW, Buenos Aires, and gets the Pacific coast quite frequently, including stations in Seattle rarely heard in the East. She has won several prizes in DX contests.

Impossible windows, shabby furniture, ugly woodwork and all the other things it seems so hard for the housewife to improve, will be treated in the talks given by Leone Grandland on Monday afternoons at 4 p. m., Central time, from WBBM. On Thursdays at the same time, Charlotte Vogt discusses the new house and its attending problems. Both Misses Vogt and Grandland, before forming their own company as interior decorators, were for years on the interior decorating staff of Marshall Field and Co.

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; WMCA, New York; WNAC, Boston; KJR, Seattle; WMAK, Buffalo; WHK, Cleveland; WPG, Atlantic City; WLW, Cincinnati; WJR, Detroit; WOOD, Grand Rapids, Mich.; WSOE, Milwaukee; CKY, Winnipeg; WMC, Memphis; WSM, Nashville; KTHS, Hot Springs, Ark.; KMOX, St. Louis, Mo.; WOC, Davenport; WIB, Kansas City; WQAW, Omaha; KOA, Denver; KFVB, Los Angeles; KPRC, Houston, Tex.; KVOO, Bristow, Okla.; WJAX, Jacksonville, Fla.

2. \$26,000 in prizes will be distributed to the successful contestants, as follows: Twenty-four first prizes of \$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 neatest 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 neatest 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 orders, and of the neatest 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 to 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.

Believing that music lightens the work of the home maker, WMAQ, at the suggestion of Judith Waller, has added a "Morning Musical" from 10 to 11 every day except Sunday. And the ladies like it, too, according to the many letters of thanks received.

SHORT WAVES

By Marcella

(Continued from page 2)

You should see the nice letter I received from Harold H. Isbell, Curly Head, in response to the various questions that you and other of my girl friends have propounded. And here is the picture he sent. Howja like it? He's terribly enthusiastic about KNX, Los Angeles, his new job. "We have," sez he, "an artist payroll of \$5,000 a week and you may well imagine that we get the very best in Southern Cal for that figure. There isn't much to tell about me except that I am the Town Crier of the Night Watch and chief of the announcing staff." He says that KNX has increased its power fifty per cent and he is sure his eastern friends will be able to hear him from 10 to 12, P. S. T., Saturdays 11 to 2 a. m. And, listen to this, Curly Head, "I have a brand new high powered Auburn Straight Eight brougham. . . have only been pinched once for speeding." Yes, dearie, he is and he worships the ground she walks on.



Once upon a time there was a nice little girl and she lived in a forest—Forest Park, Ill., which is a suburb of Chicago. The little girl's name was Grace, Grace Itrick. And, my dear Frankie of Roanoke, if you would like to know the rest of the story I will tell you. WHAT DO you suppose happened? Well, sir, the little girl grew up to be a charming young woman, as charming as ever you please. (This is her picture.) AND she went away for a long journey to Florida. And when she got there SHE BECAME A STORY LADY. To this day you can hear her talking to the kiddies from out of the air by tuning in WGHB at Clearwater. She also teaches kindergarten. And that's all. Good night, Frankie, and all the rest of you little kiddies. Good night.



Inquisitive at Cleburne, Kans.: Here is the picture of Ralph Emerson which you and a number of others have asked for on various occasions. Isn't he a dear, or what would you? Oh yes, indeed, Eugene Konecky is still very much audible at WQAW and if the Blah Club isn't gallivanting out of your receiver by the time you read this I think you may expect it soon. In regard to Elsie May Look, WLS, why Elsie may look at whom, when, how and where she pleases as she has not yet put her head into any marital blinders.

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.

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.

WOMAN'S PROGRAM INDEX (Daily Unless Indicated)

Household Economics, Women's Hour, Etc.

Eastern	Central	Mountain	Pacific
9:30 a.m.	8:30	7:30	6:30
WWJ (352.7m-880kc), Tonight's dinner.			
10	9	8	7
WIP (508.2m-590kc), Menu, Tues, Thurs, Sat.			
WMCA (340.7m-880kc), Homemakers' club, Tues.			
10:15	9:15	8:15	7:15
KDKA (309.8m-970kc), Homemakers' chats, Tues, Fri.			
10:30	9:30	8:30	7:30
KVOO (374.8m-870kc), Mothers' hour.			
WTAG (545.1m-550kc).			
10:45	9:45	8:45	7:45
KDKA (309.1m-970kc), Betty Crocker, Mon, Wed, Fri; WEEI (348.6m-860kc), Mon, Wed, Fri; WTAM (389.4m-770kc), Mon, Wed, Fri.			
WBCN (266m-1130kc), Home service program.			
10:55	9:55	8:55	7:55
KSAC (340.7m-880kc), Housewives' half hour.			
11	10	9	8
WCWS (285m-1050kc), Polly Porter.			
WOI (270.1m-1110kc), Homemakers' hour, Tues, Thurs, Fri.			
11:10	10:10	9:10	8:10
WEAO (293.9m-1020kc), Homemakers' hour.			
11:15	10:15	9:15	8:15
WCAE (461.3m-650kc), Women at home.			
11:35	10:35	9:35	8:45
KYW (535.4m-560kc), Table talk.			
11:45	10:45	9:45	8:45
WCCO (491.4m-720kc), WDAF (365.6m-820kc), Betty Crocker, Mon, Wed, Fri.			
12 n.	11	10	9
WEBH (370.2m-810kc), Prudence Penny.			
WQJ (447.5m-670kc), Home economics.			
12:15 p.m.	11:15	10:15	9:15
KMOX (280.2m-1070kc), Cooking, household hints.			
12:30	11:30	10:30	9:30
WGN (302.8m-990kc), Home management period.			
12:40	11:40	10:40	9:40
WTAG (545.1m-550kc), Lydia Flanders, Fri.			
1	12	11	10
KGW (491.5m-610kc), Household helps.			
WSOE (245.8m-1220kc), Ladies' hour, Mon.			
1:30	12:30	11:30	10:30
KNX (336.9m-890kc), Household economics.			
1:45	12:45	11:45	10:45
KPO (428.3m-700kc), Betty Crocker, Mon, Wed, Fri.			

Eastern	Central	Mountain	Pacific
11	12	11	10
WJZ (454.3m-660kc), Daily menu, ex Sat.			
2:15	1:15	12:15	11:15
KOIL (305.9m-980kc), Shopper's aid.			
2:30	1:30	12:30	11:30
KFNH (461.3m-650kc), Women's hour.			
3	2	1	
WCCO (416.4m-720kc), Women's hour, Wed, Fri.			
WIB (365.6m-820kc), Ladies' hour, Mon, Wed, Fri.			
WSOE (246m-1220kc), Cooking chats, Mon.			
WIP (508.2m-590kc), Market hints for housewives, menus, Mon, Tues, Fri.			
WJZ (454.3m-660kc), Your daily menu.			
3:15	2:15	1:15	12:15
WHO (526m-570kc), Recipes, household hints, Tues.			
3:45	2:45	1:45	12:45
KFNH (461.3m-650kc), Ladies' hour, Mon, Tues, Thurs, Fri.			
4	3	2	1
WOC (483.6m-620kc), Aunt Jane.			
WQJ (447.5m-670kc), Home economics.			
4:30	3:30	2:30	1:30
KMOX (280.2m-1070kc), Housewives' hour.			
WLS (344.6m-870kc), Housewives' hour.			
5	4	3	2
KOA (322.4m-930kc), Housewives' matinee, Tues, Thurs, Fri.			
5:15	4:15	3:15	2:15
KYW (535.4m-560kc), Meat talk, John Cutting, Mon.			
WMAQ (447.5m-670kc), Mothers in council, Wed.			
5:30	4:30	3:30	2:30
WEAF (491.5m-610kc), WEEI (348.6m-860kc), Demunion Hostess, Tues.			
6:30	5:30	4:30	3:30
KOA (322.4m-930kc), Question box, culinary hints, Tues, Thurs, Fri.			
7	6	5	4
WLW (422.3m-710kc), Cooking school, Wed.			
7	6	5	4
KGO (361.2m-830kc), Hints for housekeepers, Wed.			
8:30	7:30	6:30	5:30
KOB (348.6m-860kc), Housekeepers' chat, Mon.			

"Aunt Sammy"

Eastern	Central	Mountain	Pacific
10 a.m.	9	8	7
WGBS (315.6m-950kc) Mon.			
10:30	9:30	8:30	7:30
WCSH (277.6m-1080kc), WHO (526m-570kc).			
10:50	9:50	8:50	7:50
WMC (499.7m-600kc), Mon, Thurs.			
11	10	9	8
WEAO (293.9m-1020kc).			

Eastern	Central	Mountain	Pacific
11 a.m.	11	10	9
WAND (243.8m-1230kc).			
WRVA (256m-1170kc) Wed.			
11 p.m.	12	11	10
KWWG (277.6m-1080kc), Mon, Wed, Fri.			
1:10	12:10	11:10	10:10
KPO (428.3m-700kc).			
1:15	12:15	11:15	10:15
KFOA (454.3m-660kc).			
1:30	12:30	11:30	10:30
KFAU (280.2m-1070kc).			
1:45	12:45	11:45	10:45
WDAF (365.6m-820kc).			
2	1		
KOIL (305.9m-980kc).			
3	2	1	
KMA (461.3m-650kc); KSL (299.8m-1000kc).			
3:30	2:30	1:30	12:30
WLK (272.6m-950kc).			
4	3	2	1
WOC (483.6m-620kc).			
5	4	3	2
WOC (440.9m-680kc).			
6	5	4	3
KFXF (249.9m-1200kc), Tues, Thurs, Fri.			
WDBO (239.9m-1250kc).			
8:30	7:30	6:30	5:30
KFDY (272.6m-1100kc), Wed, Thurs.			

Women's Clubs

Eastern	Central	Mountain	Pacific
11 a.m.	11	10	9
WOI (270m-1110kc), Federated Women's club, Wed.			
11:30	10:30	9:30	8:30
WNAC (430.1m-697kc), Women's club.			
12 n.	11	10	9
WHT (399.8m-750kc), Women's club.			
3:05	2:05	1:05	12:05
WCCO (416.4m-720kc), Women's federation, Mon.			
4	3	2	1
WGN (302.8m-990kc), Woman's club.			
4:05	3:05	2:05	1:05
WCCO (416.4m-720kc), Minnesota Federation of Women's clubs, Nov. 1.			
5:15	4:15	3:15	2:15
WMAQ (447.5m-670kc), Illinois Federation of Women's clubs, Thurs.			

Fashions and Sewing

Eastern	Central	Mountain	Pacific
12:30 p.m.	11:30	10:30	9:30
WQJ (447.5m-670kc), Style talk.			
1:35	12:35	11:35	10:35
KPO (428.3m-700kc), Fashion critic, Fri.			
6:45	5:45	4:45	3:45
KOA (322.4m-930kc), Fashion review, Tues, Thurs, Fri.			
7:55	6:55	5:55	4:55
WPG (299.8m-1000kc), Fashion fashions, Tues.			
8:45	7:45	6:45	5:45
WCCO (416.4m-720kc), Jeanne Gray.			

Health and Beauty

Eastern	Central	Mountain	Pacific
10:45 a.m.	9:45	8:45	7:45
WTAM (389.4m-770kc), Tues.			
11	10	9	8
WGN (302.8m-990kc), Good health and training.			
WQJ (447.5m-670kc), Health talks.			
12:45 p.m.	11:45	10:45	9:45
WTAG (545.1m-550kc), Marjorie Woodman, Mon, Thurs.			
8:30	7:30	6:30	5:30
WEAO (293.9m-1020kc).			

Garden Talks

Eastern	Central	Mountain	Pacific
1:20 p.m.	12:20	11:20	10:20
WGBF (236.1m-1270kc), Garden talk.			
5:15	4:15	3:15	2:15

AN EVENING AT HOME WITH THE LISTENER IN IN EASTERN TIME

Table with columns: Call, Location, Met., Kc., Saturday, Sunday, Monday, Tuesday, Wed., Thursday, Friday. Lists radio stations and their broadcast schedules.

STATIONS IN ORDER OF WAVE LENGTHS

Table with columns: Meters, Call, Meters, Call, Meters, Call, Meters, Call, Meters, Call. Lists radio stations and their corresponding wave lengths.

KING BUILDS KARAS SET

(Continued from page 9)

The first retard coil. Place green wire of first secondary coil under G binding post of the first socket. Place black wire of second secondary coil under binding post B-5 which holds second retard coil. Place green wire of the second secondary coil under G binding post of second tube socket. Place black wire of third secondary under rotor binding post of third condenser. Place green wire of third secondary coil under screw which holds the clip on the grid condenser that is connected to the stator of third condenser. Put in the Amco gridgate, the amperites, tubes, and rheostat knobs, and the set is ready for operation.

frequency tubes with the two rheostats provided, and set the three dials to tune to the wave length of the desired station. When you have tuned in the carrier wave use the middle dial to bring in the station strong, making such minor adjustments of the other two as may be necessary for absolutely maximum results. Neither rheostat need be touched after once adjusted, although the radio frequency rheostat will be needed to control volume. The detector tube rheostat is not critical, and may be left permanently at the point of greatest clearness. That is all there is to operating this remarkable receiver.

I ask those who build the Equamatic to use Karas parts where specified because this unique circuit was designed around Karas parts, and all of its remarkable qualities are due to the precision, efficiency and proper coordination of these parts in the receiver.

AND now that you have the baby wired, the operation of the Karas Equamatic is simplicity itself. Due to the wonderfully geared Karas Micro-metric vernier dials, which give 1/1000th of an inch control of tuning—a touch of the finger tunes to less than a hair's breadth. After you have placed the secondary coils in their correct positions with relation to their angular variation, and have made the proper adjustment of the first primary coil to automatically compensate for the length of your aerial, simply turn on the detector and radio

The tone and volume of the Equamatic—the beauty of its scientific operation—and the sheer efficiency of its application of the correct principles of automatic tuning—have made the Equamatic the Radio sensation of the season. Hereafter it will be an everyday thing to hear people ask one another: "How does it compare with the Karas Equamatic?" And the answer, of course, will be, "Why ask such dumb questions? Let's eat!"



Use either one for a dependable source of "A" battery current

YOU can get the famous Valley Battery Charger in both vibrator and bulb types. Use either one for a dependable source of A battery current.

The Vibrator Type: This is the pioneer of radio battery chargers. Nearly a quarter of a million of this type of Valley Charger has gone into service all over the world.

Charges 6-volt batteries at 6 amperes, 12-volt batteries at 3 amperes. Quiet. Efficient. Cannot harm the battery.

Mounted in black case with bakelite panel and glass top. Pleasing in appearance and will harmonize

RADIO DIVISION VALLEY ELECTRIC CO., ST. LOUIS, MO. District Offices: Boston, Chicago, Cleveland, Indianapolis, Kansas City, Minneapolis, New York, Philadelphia, San Francisco. B Power Units—Radio Receiving Sets—Vibrator Type Chargers—Twin Bulb Type Chargers

GOODY GOODY GIRL

*SIXTY-FIVE, SIXTY-SIX—the Little Needle Trembles
As the Engine Leaps—the Glare of the Pursuing Eye Fades—an
Obstruction—a Halt—and Lois Goes to Jail.*

By *MERLIN MOORE TAYLOR*

AT the first horse race she ever had attended, Lois Sylvester, against the advice of her most intimate friends, placed \$10 of her very meager funds on Sombrero, and Sombrero, supposedly, hadn't a chance. But, then, Raymond Lancaster, the rich youth who had helped Lois to escape from her stern step-father when she had run away from Paradise, had put up a bet on Sombrero and he did it simply because he had dreamed about a hat the night before. Mrs. Gayton, who had taken Lois in charge and kept her as an unsuspecting guest at her questionable apartment, made no secret of her surprise at Lois' sudden exhibition of sportsmanship. And Herbie Coles, who had gone to school with Lois back in the little town of Paradise and whose attentions Lois formerly had spurned, pitied her bad judgment as they sat together in the grandstand watching the speeding figures rounding the track. Herbie had placed his last \$200 on Skylark, the favorite and this was the horse especially favored by Neil Becker, Mrs. Gayton's friend. But Sombrero, the sorrel, crept forward gaining steadily. Skylark spent himself at the last quarter. Sombrero shouldered him then crossed the line a nose in the lead. Becker promised to get Lois her winnings, which amounted to over \$1,600, but she rode back to town with Herbie, who was morose and desperate. He didn't pay the road house supper bill, but told Lois not to mind and not to ask questions because he had to drive and drive "like the devil."

CHAPTER IX

Arrested

FOR fully thirty minutes after leaving the roadhouse—to Lois it had seemed many times that—Herbie Coles had made good on his assertion that he was going to drive as if the devil were behind him. Moreover, he had kept to side-roads, dirt or gravel for the most part, and the girl had begun to experience a feeling of sympathy and understanding for those who must ride bucking horses. The morning, she was quite sure, would find her body an assortment of black-and-blue spots. Nevertheless when they had taken a bump in the road with such violence that she was almost thrown through the top of the roadster and Herbie turned to her with a curt "Sorry" she had merely said: "It's quite all right. Don't mind me."

She didn't in the least know what lay behind his desire for speed, but his manner had convinced her that it was something imperative and she was game enough to accept her terrific jolting without complaint. So they rushed on through the night and she braced her foot against the dashboard and clung to the arm of the seat and gradually her heart descended from her throat and she found time to admire his skill in handling the car. She even managed to essay a bit of humor when, having returned to a paved highway with a muttered remark that he would have to take a chance, she discovered that something with a single shining eye was pursuing them.

"Herbie, someone's after us," she said. "I can't see horns or a tail and he doesn't seem to be spitting fire, but—"

He threw a fleeting glance over his shoulder and smothered, half-uttered, the imprecation that rose to his lips. "Might as well be Old Nick. Motorcycle cop. Keep your eye on him. I'll see if I can lose him."

THE car seemed to fairly leap from under them. Lois' eyes persisted in wandering from that little window at the back to the speedometer, crawling up notch by notch before her fascinated gaze. Sixty miles an hour. Sixty-five. Sixty-six. Sixty-seven—and there the indicator seemed to hang.

"Can't do another mile," said Herbie from between clenched teeth. "Trottle's jammed down to the floor-board now. Is he still after us?"

Lois thought that single pursuing eye seemed farther away.

"We might make it," said Herbie. "If nothing gets in our way."

Something did—a heavily laden vegetable wagon market-bound. Herbie sounded the horn. The wagon continued

in the middle of the road. Again Herbie's finger, firmly pressing the button upon the steering wheel, sent their rancorous demand for right-of-way sounding through the night. The wagon did not offer to turn out.

The car was slowing down rapidly, the speedometer dropping like a plummet. In a moment they were barely crawling. Herbie began to manipulate the spotlight. To the left a ditch a scant two feet beyond the pavement edge. To the right, the same. No chance to go around so long as the wagon held the middle of

man." She indicated the wagon driver. "I want him arrested."

Beside her Herbie seemed on the verge of strangling and the wagon driver, after one astounded "What!" was making strange noises in his throat.

"Yes, I want him arrested," Lois continued. "He blocked the road and wouldn't move over for the horn and then he damaged the car by stopping his wagon so quick we ran into it and then he used such dreadful language. There, that's my alibi and I hope he gets six months in jail."

Improved

YOU, who regularly use the advance program pages of Radio Digest, do you know all the information contained and how to find it? The advance programs have been rearranged recently for the sole purpose of serving you with more speed, accuracy, and completeness.

All Mondays, Tuesdays, Wednesdays, etc., have been thrown together. Now you find first on page 16 the heading, "Monday, November 15, Headliners," following which comes, "Monday, November 22, Headliners" and then, "Monday, November 29, Headliners." Under each of these headings are found classified by time the most attractive, best and unique programs of the day. After the various Monday headliners follows the group "Educational Features Monday," which heading is self explanatory. Then comes, "Regular Monday Features." Here all principal stations are listed according to the time bands, for the convenience of readers, and the regular Monday schedule is given for each of the broadcasters. Unusual features of a special date are omitted from the "regular" listings but will be found above in the "Headliners" for that date. Finally before Tuesday's programs are considered, one finds the Monday silent night stations in a small paragraph.

the road. "If he'd just edge over a few feet we'd go around," said Herbie and hopefully sounded the horn again.

Instead of pulling over the wagon stopped suddenly. Although the roadster by now was barely creeping along Herbie was taken by surprise and before he could jam on the brakes it had bumped into the vehicle ahead. Over the top of the piled-up vegetables a coarse voice spoke sulphurously. What the blank did they think they were doing? When the blank did they get to own the road? What the blank this and what the blank that? Who the blank did they think they were, anyhow?

THE pop-pop-pop of the motorcycle grew momentarily louder. Herbie twisted his head around for a glance through the little window in the back, then sidled out from behind the wheel.

"Quick! Change places with me," he ordered. "If that cop thinks you were driving, perhaps—"

Obediently Lois slipped into the place he vacated. The driver of the vegetable wagon had jumped down and was coming toward them, howling his profanities. The motorcycle roared up alongside and its khaki-clad rider hopped off and kicked the rest into place under the rear wheel.

"Cut it out!" he snapped at the vegetable man pawing at his sleeve. "Now, you in the car—" He broke off at sight of Lois. "Who did you think you was, lady? Mrs. Barney Oldfield?"

Lois felt Herbie's elbow nudging her and interpreted it as a command for her to do the talking. "Good evening, officer," she said sweetly. "I'm awfully glad to see you."

"Applesauce," retorted the policeman. "I've been kidded by experts, lady. I suppose you've got an alibi? Do you want to waste time springing it now or will you save it for the chief?"

"Alibi? Oh, you mean complaint? Why, yes, I do have one. Against that

THE wagon driver had regained his voice and was howling again. The policeman took him firmly by the shoulder and propelled him toward his wagon. "If you know what's good for you, get up there and drive on," he said, then as the man departed, muttering sullenly, came back to the car.

"Aren't you going to arrest him, after my alibi and all?" asked Lois.

"Lady, I was mistaken." The policeman spoke sadly. "I never heard an expert kidded before. The rest were all amateurs. An alibi is not a complaint and well you know it. What I want to know is what do you mean by setting our nice new paved road afire?"

"Where is it burning?" Lois poked her head out of the car and looked back in the direction from which they had come as if seeking the flames.

"That will do," said the policeman. "I see I'll be here until Christmas if I listen to you. Let's get going. The village is only a half mile ahead and the chief's waiting. Wait a minute, though. Let your deaf-and-dumb boy friend here drive, if he can. I pinched a woman for speeding once and she tried her best to run over me on the way to the station. I don't take chances like that any more. You get behind the wheel, feller."

Herbie, rising to let the girl slide past him, whispered; "How much money have you?"

"Forty dollars." He nodded and, speaking for the first time, called to the policeman: "Listen, officer. I've got fifty dollars that says that machine of yours is faster than this car. I'll bet you that even if you gave me a hundred yards start you'd catch me again before I got beyond the village limits on the other side. You hold the stakes."

"IT'S no use, buddy. That bet's one I could win without half trying, but between the vegetable man who's bound to stop at the station to see

if I book you and the other cop who about now is headed this way and who isn't any friend of mine, I'd only be grabbing hold of a hot poker. So nothing doing. Step on that starter and follow me."

"I'm sorry—" Lois began as they moved along in the motorcycle's wake.

"Don't talk. I've got to think a way out of this," Herbie cut her short and she retired to her corner of the seat.

What the policeman had called the station proved to be a little square building of concrete blocks on one side of the highway, which also seemed to be the main street of the cluster of houses and little stores which made up the village. The policeman shepherded them up a short flight of steps and through an open door into a large room, bare except for a desk and half a dozen chairs. At the far end of the room a heavy barred door permitted view of a row of dimly-lit cells in the room beyond it.

A loose-jointed, walrus-mustached individual reclined in a swivel chair with his heels on the desk. He surveyed the arrivals from under shaggy eyebrows, then got briskly to his feet and began buttoning the row of brass buttons down the front of his coat.

"What have we here, Jerry?" he asked.

"LADY who mistook the road for the Indianapolis speedway, chief," the policeman replied. "She was doing sixty for better than five miles. I wouldn't have caught her at all if she hadn't bumped into Jed Turner and his vegetable wagon. You know how Jed is. Won't give an inch until he's plenty ready—"

"H-m-m. Sixty miles, eh? What was your hurry, young woman?"

"Whatever she says, I'll bet it will be something you never heard before," the policeman broke in. "She pulled some fast stuff on me, chief. Wanted me—"

"Let her try it on me," said the walrus-mustached one grimly. "Well, young woman?"

Herbie was twitching warningly at her skirt. Lois shook her head. "I have nothing to say."

"Which means you're probably guilty. Well, I'll let you fight it out with the judge tomorrow. Now about bonds? Got any money?"

"Forty dollars."

Walrus-mustache considered. "Not enough. How about you, young feller?"

"I can dig up ten, but that's all," said Herbie Coles.

"That makes fifty. How about the car? Who owns that?"

It was Herbie Coles who answered. "Victor Jermin. You must know who he is. She's a friend of his."

The chief's bushy eyebrows wobbled up and down excitedly and he flashed a sharp look at the policeman who had brought them in. "Yes, I know who Victor Jermin is," he said and his tone had taken on something significant. "So the car's his? And the young lady is his friend? Well, there's the telephone. Call him up and tell him you're pinched. After that I'll have a word with him. Who knows, Jerry? Might be Victor's handling grease now instead of soft soap, eh?"

HE chuckled and the policeman laughed loudly. Apparently they were enjoying some good joke.

"I'm sorry," said Lois. "We left Mr. Jermin after the races at Aurora this afternoon. I don't know where he was going from there, except that it wasn't to Chicago. I don't know where to get hold of him. Won't the fifty dollars be enough?"

"Just a fifth enough," the chief said firmly. "Your bond will be two hundred and fifty bucks—in cash."

"Two hundred and fifty!" she echoed. "That's outrageous for a speeding charge."

"Either produce it or—" The chief let his hand waving toward the cells beyond the grated door finish the sentence for him.

Lois turned helplessly to Herbie Coles. "What are we going to do?"

He shrugged. "I don't know a soul who could be expected to come to the rescue," he said. Plainly there was no intention on his part of admitting that it was he, not she, who had driven the car. "Can't you think of some of the people you've met—"

(Continued on page 30)

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November 15, 1926

No. 3

Chaos and Congress

ONE month ago Radio Digest published for the first time a survey blank for the purpose of obtaining a uniform and national survey of Radio interference. Broadcasting stations were enlisted in the cause and reprints of this blank were made available to all listeners who chose to ask for them.

That the measure was popular cannot be questioned. The blanks have been pouring into this publication's office ever since. As a result the blank is republished this issue for the benefit of listeners who failed to send the first one in or who desire duplicate blanks for their friends.

From a hurried preliminary tabulation of the first several thousand blanks returned, it is obvious that chaos is certainly more than an idle dream. It exists generally over the nation, and, of course, especially in areas known as "broadcasting centers." And it is bad! November weather has not served to lessen, but rather, to increase the confusion of the tangled ether waves.

Possibly one in one hundred listeners reports that interstation interference, or heterodyning, does not bother him. His set is the very best, he knows how to operate it, he has a good location—so why all this fuss? His attitude is not exaggerated. He firmly believes that everyone, whether they can afford it or not, should get a set as good as his, move to a good location, and quit complaining. Perhaps he does not mean to be selfish, but that, unconsciously perhaps, is what he is. In the motor car world you will find him owning an expensive car with excellent springs, shock absorbers, and tires. When rough roads are complained of, he writes to the editor and tells the world that the roads are smooth enough because his car rides well.

The survey shows chaos exists to the point where immediate action must be taken or the popularity and service value of Radio will be lost forever.

Congress, awaken! Prepare for the task at hand. Fix some authority, be it wise or unwise, and invest this authority with power to clear the air of this confusion. Act immediately when you convene, and give relief before ten million Radio listener voters become impatient and vow to change their legislative representatives at Washington.

Radio Makes the Headlines

GLANCING over the press of the country, one is awed by the amount of space devoted to Radio and its current development. Let us quote some of the headlines and comment upon them.

"Radio Mental Tests in Sweden." Sweden supervises its ether programs and is interested in knowing if Radio is raising the national intelligence. Voluntary tests are given at the close of each day's program. We admire the spirit. Sweden is a progressive and well ruled country from which we have obtained many of our best American citizens.

"Radio Once in Dumps—Now Hard Put to Meet Orders." The 1925 sales figures, larger than ever before, are being greatly surpassed by 1926 production and sales. We are in the midst of a baby giant industry.

"Radios Forge Ahead of Water Systems on Western Farms." Which is very natural, according to the modern spirit of "live while you can, for at its best, life is short." Perhaps our theory is wrong, but we believe that anything which gives healthy enjoyment is good, and every home should have its Radio receiver, even if the plumbing system isn't what it should be.

"Radio Locates Meteors and Gold Ores," and again, "Japanese Radio Experts Work on Apparatus to Predict and Locate Quakes." So it looks as if Mother Nature were to be observed and probed, if not controlled by the youngest child of science. Here again we find Radio helping industry, aiding prosperity, and saving property and human lives. The future has been but scratched. The work of Jenkins and Baird foretells home Radio motion pictures before another decade has passed, and if we do not offend the American Medical association, we predict that Radio principles MAY find important medical uses.

RADIO INDI-GEST

"Littul Squirrel"

A Bed Room Story for the Children

ONCE upon a time there wuz a littul squirrel, and he was so dam littul that the moonshiner that made him put him in a pint bottul. He kept Littul Squirrel in this pint bottul untill he wuz "very old," say about two days or less. Then he put a nice imitashun green stamp over the cork and a nice gold seal on the side of the bottul and went out and sold Littul Squirrel to one of Octavius Roy Cohen's characters for two bucks (bananas, cart wheels, hunger stavers, etc.).

The nig—I mean this character of Mr. Cohen—put Littul Squirrel in his hip pocket and started down the road, but purty soon he stoppt and pulled the cork and took a nip of poor, Littul Squirrel. Then after while he stoppt again and took a bigger nip. Then he stoppt once more and took a real swallow this time, and went on down the road singing for he wuz very very happy. Then he stoppt again and took a great big drink and Littul Squirrel wuz no more and neither was the colored friend of Mr. Cohen.

The dead animule wagun happened by and burried Mr. Cohen's friend and put up a stone on wich was carved this here:

*Here lies the remains of Old Jim Tucket,
He was kicked by a Squirrel and then he
kicked the bucket.*

OLD KING TUTT, hiz-self

Which yarn reminds me, Indi, that a newspaper paragrapher by the name of Ryan got all wet the other Sunday and wanted to know why someone didn't broadcast a Holy Roller meeting. In rebuttal I suggest that someone should buy Radio sets for newspaper paragraphers, especially those writing about Radio. Mr. Ryan could then tune back two to three years at WBAP and hear the Hired Hand picking up the real Roller meetings direct from the revival camp on the edge of Fort Worth.

Sam 'n' Henry

What's the matter with WGN?

All day we look forward to 10 P. M.

All day we murmur, "What shall we do,

If Sam 'n' Henry don't come through!"

Used to get 'em every day,

And get 'em we did, come what may!

But now,—a blasting crackle, roar and din,

And Sam 'n' Henry don't come in.

Faint and far away their voices sound,

We strain our ears, to hear them we are bound.

What's the trouble now? What shall we do!

Sam 'n' Henry aren't going to get through.

Oh whatever Gods that govern Radio:

The crackling, the squealing, the deafening blow

Of static,—whatever else you do,

Please let Sam 'n' Henry through!

HELENA W. FREELAND

Queen Leads to the Joker

Dear Indi: Everyone has probably read or heard how the Queen of Roumania got to WJZ twenty minutes ahead of her schedule. They wouldn't break her into the program then and there . . . whereupon she hauled off with all her queenly dignity, refused to wait and left the studios.

The question is, who got the best of it: (1) The queen, (2) The Radio Non-Monopoly, or (3) The general public, because they didn't have to listen to her? Once more, was she appearing on a Regal Typewriter program? Finally, my last question, who the heck is the Queen of Roumania in the first place?

HEAR AMERICA THIRST

The Last Wave

The boy stood on the sinking wreck,

He didn't want to go;

He'd caught a new one on his set,

Its letters he must know.

His father called; he would not flee,

The water reached his ears,

And as he sank he cried with glee,

"By Heck, I had Algiers!"

GEORGE

My friend, Paul Specht, sends a tear-bringing telegram about an American musician who is being mistreated and deported by the English government. Paul does not say what the A. M. plays. It it's the sax, cornet, trombone or French horn, then I'm for England. But gee—maybe it's the Third Trombone Player???

AUTHORS AND COMPOSERS HAVE SETTLED DISPUTE OVER RADIO

(Head on News Item)

We know not whether to ejaculate "Applesauce," "Banana Oil" or "So's Your Old Man." There is something fishy about that. Who ever heard of a dog and a cat signing a permanent peace treaty?

L' ENVOI

They have gone and did it,

They will fight no more;

Mammy songs and ballads

On the Air will pour.

Says a bulletin from PWX, Havana, Cuba: "The enormous yearly increase in Americans visiting Cuba . . . has caused the broadcasting of a new service to prospective visitors, covering traveling advice and clothing, points of interest, amusements, etc." Our only comment is—why sell Americans on Cuba and what to do after they get there? All Americans know very well why they are going there and what they are going to do after they arrive.

Winter Tonic



Condensed

BY DIELECTRIC

Fortune favored the signals from our old friend Station WSB, Atlanta, on an evening recently and how good it was to hear the familiar voice from Georgia and excellent program numbers. Particular pleasure was experienced in listening to the program presented by a double male quartet from that station, rendered by voices above criticism. A variety of songs included in the feature made certain the enjoyment of all listening. Negro spirituals have palled a bit on the ears of some in the Radio audiences, yet as sung here they sounded more nearly typical. Then there were old songs, familiar and still delightful to most, and semi-popular numbers that tend to complete any program of universal attraction. A word may be said for the transmission, which appears to have improved.

One of the real delights in listening to a classical program is to hear such a cultured musician as Walter Damrosch entertainingly and lucidly explain the musical content of works by the masters. This he does, prefacing each number played by his orchestra during the Balkite hour, with the aid of his piano until we have a distinct impression of the themes we are to hear in the composition to follow. Even in the case of certain of Wagner's music with which all of us are acquainted these emphases distinctly improve our enjoyment. So it is, too, as Professor Marshall tersely defines the composer's intent before the Boston symphony orchestra leads us far from the daily tumult to the realm of the muses. Both are accomplishing much each week.

Regardless of what features Station WLW has in store for us from its studio in Cincinnati we are never loath to pay our compliments to the Formica orchestra. They don't owe us anything and we are not oblivious of the merit of other attractions, but there is a body of musicians about as pliant and unified as one could well wish to hear play. These men display uniformly good taste in balancing their programs, as well as set an example of ensemble work worthy of far-famed orchestras and seldom surpassed by any save these.

You can never work up to a point where there is much to say concerning the playing of a dance program, despite the multiplicity of them and the real distinction existing between many of them. Yet I wish to recall a program of dance music from Station KYW, Chicago, which might be repeated without harm either to those taking advantage of broadcasting to insure music for salon dancing or those deriving pleasure merely from the act of listening. This program incorporated selections one may well enjoy though the desire or intent to dance is absent. Such numbers as do not rely solely on the wailing notes of a single instrument to bring the feet into Ethiopian gyrations, or the empty repetition of meaningless phrases, have an interest for any lover of music who may never step on a waxed floor.

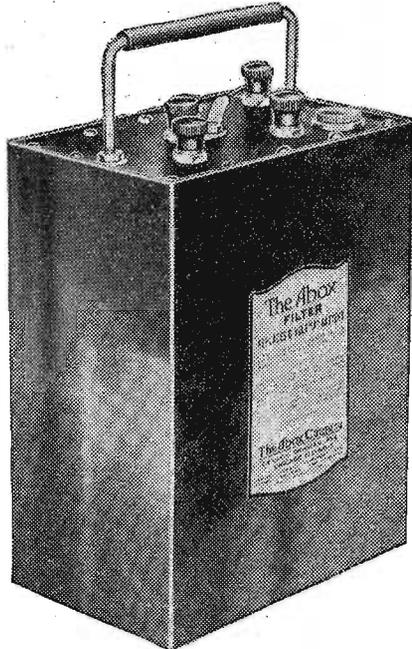
Charles Hackett will be as much admired for his artistry as some others having the advantage of a wider acquaintance, for the Atwater Kent hours are introducing this sterling artist to his American fellow citizens as no concert or opera appearances could possibly do. His facile singing of songs in foreign languages as well as his native tongue, the ease with which he portrays various emotions in music and the quality of tenor voice possessed, all make one wish for more frequent appearances before Mike. Mr. Kochanski, who appeared with him, gave every evidence of being the artist we were expecting to find and brought to his audience the tones from the famous Spanish Strad which once belonged to Ole Bull.

New A Power Supply Devices

The Abox Filter

SOMETHING radically new is found in the Abox Filter, below, which replaces the storage battery and other forms of A power supply. It is not a battery, but it is used in connection with a suitable charger, to which it is connected. The Abox Filter smooths out the hum and passes along to the set just the right amount of current at proper voltage for the best operation of the tubes. It is always in perfect condition and never "discharged" except when the lighting current is snapped off.

The Abox Filter is designed to replace the 6-volt storage A battery for supplying filament current for any Radio set employing not more than six standard 201A type 6-volt tubes. Its use with an electrolytic charger, such as the Balkite, etc., of 2½ amperes capacity, is particularly recom-



mended. When used with such charger it will operate 6 or less type 201A tubes or similar load (maximum load 1½ amperes). The Abox Filter can also be used with a bulb type of charger such as the Tungar, Rectigon, etc., of 2 amperes rating to operate a maximum load of 1½ amperes providing a by-pass condenser is installed as explained in the directions for use. The Abox Filter is not recommended for use with vibrating type of chargers.

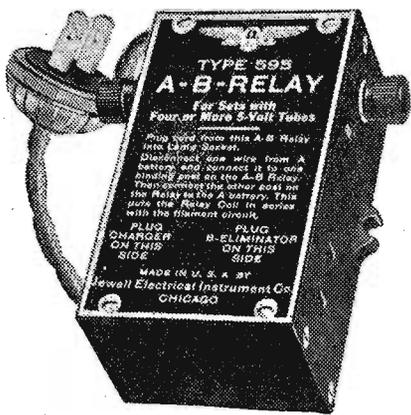
Development of the Andrews electrochemical condenser made the Abox Filter possible. It completely eliminates storage batteries. The Abox Filter is the most unusual Radio development in years. Unlike a storage battery, the Abox Filter does not store power. It furnishes no current of its own. It is never charged or discharged. It cannot wear out and cannot deteriorate during long periods of disuse.

Trikl-Automatic A Power

THE Trikl-Automatic Radio A Power Unit, made by Prest-O-Lite, and illustrated herewith, combines the famous Prest-O-Lite storage battery with a trickle charger which is built on an entirely new principle. The combination unit is entirely automatic. When the receiving set is not in use, an automatic switch throws the trickle charger on and keeps the battery fully charged. When the set is put in use, the automatic switch shuts off the trickle charger.

The combination battery, trickle charger and automatic switch is fully enclosed in a beautifully finished deep maroon metal case with hinged cover and handle. Its design is such that it is small and compact. The unit is neat enough to be placed in full view beneath the library table.

The trickle charger rectifies without recourse to electrolyte, bulbs, or moving parts. The principle employed for rectifying is distinctly new. The charger is economical and adjustable to the needs of different sets.



Jewel A-B Relay

THE Jewel A-B Relay, above, is an automatic switch which places the trickle charger and the B-eliminators of a Radio set in operation at the proper time and in their proper order. Without an A-B Relay it is necessary to disconnect the charger, connect the B-eliminator to the electric light circuit and turn on the filaments in the set itself; making a total of three manual operations necessary to start the receiving set. When the set is turned off a reverse sequence of operations is required.

The A-B Relay completes all the above operations automatically, and without any annoying interruption whatever. Simply step to your set, snap the filament switch or turn the rheostat and the changeover has been completed. The B-eliminator functions only when the set is turned on and the charger is then disconnected, eliminating any hum from this source.

Battery, B-eliminator, charger—all may be tucked away in a closet, basement or on another floor and the Jewel A-B Relay will continue to function at the proper time and at maximum efficiency. Its construction is such that it will not interfere in any way with the normal operation of any set.

An extremely efficient low resistance magnet placed in series with the filament and A-Battery and actuating special contacts constitute the main part of the device. The insulation is molded bakelite and all moving parts are completely enclosed in a metal case. A length of flexible cord with attachment plug provides for plugging into a lamp socket or wall receptacle.

FRED SMITH REJOINS CROSELY STATION WLW

Pioneer WLW Chief Returns with Many New Features

CINCINNATI, O.—Fred Smith has returned to WLW, Crosley superpower station. He resumed his activities as studio director after an absence of a year, during which time he has been associated with the United States Radio Society, of which organization he is a director. He has plans for enlarging the activities of the studio and will introduce many new features. William C. Stoess will be the musical director and assist in announcing.

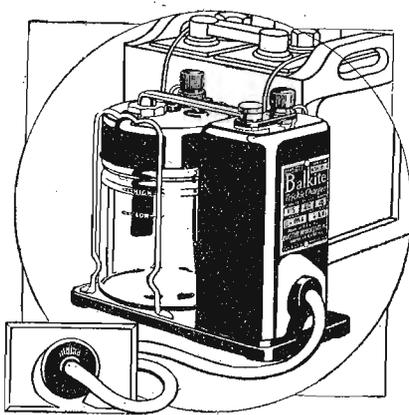
Mr. Smith first joined the broadcasting department of the Crosley Radio corporation in August, 1922, upon his arrival in this country after eight years spent in Spain, France, Belgium, Holland, Germany and England, where he studied the arts, languages and institutions of those countries. He returned to Europe in the Spring of 1925 as America's first Radio ambassador, re-visiting all of the important Radio centers.

The Radario, or play written especially for presentation via broadcasting, was originated by Mr. Smith who also prepared the dramatic version of the first mystery serial story for broadcasting—"A Step on the Stairs," which Radio Digest sponsored. He also originated the thematic style of presenting programs, utilizing graphic word pictures as backgrounds for musical settings. Many other broadcasting novelties were created by him.

Skelly Oil Company Gives Weekly KVOO Program

BRISTOW, Okla.—With the beginning of the winter season, KVOO's new superpower "Voice of Oklahoma" is planning many big programs. A recent addition to the regular broadcasts is the Skelly Oil Company hour every Monday night from 8 to 9 p. m. Central time.

On his recent swing around the country, Herbert Hoover, secretary of commerce, spoke from KVOO. The Southwestern Sales Corp. owns KVOO.



Balkite Trickle Charger

THE Balkite Trickle Charger, above, is known to almost every Radio listener. This charger for Radio A batteries was one of the outstanding developments in Radio last year, when over 200,000 were sold. Once connected to your battery it is left on continuous or trickle charge. Instead of operating intermittently at a high rate it operates continuously at a low rate, thus automatically keeping the battery at full power. It eliminates the attention usually required by the A battery and converts the battery into a complete Radio power unit supplying A current from the light socket.

It can be used as a trickle charger with any 6-volt A battery. With 4-volt batteries it can be used as intermittent charger, or as a trickle charger if a specified resistance is added. It is noiseless in operation and, in most instances, can be used during reception.

The Balkite Trickle Charger operates from 110-120-volt alternating current (which is the usual house lighting current) and its charging rate is approximately .5 amperes. It is made in two models for 60 and 50-cycle current.

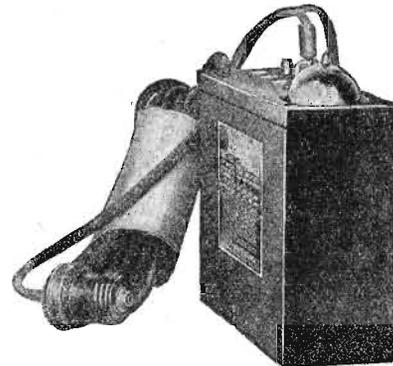
The Fansteel Products company, makers of Balkite power supply units, have this

year added a new charger to their line which has two charging rates, one for trickle or continuous charging, and the other for rapid charging at a high rate. It is made in three models for currents of 50, 60, or 25-40 cycles.

Tungar Trickle Charger

NOW comes General Electric to the fore with a new trickle charger, designed for use with a low capacity four or six volt storage A battery. A special feature of the new Tungar Trickle Charger, shown below, is the range in charging current, which is adjustable in four steps from a rate of one-tenth ampere up to a boosting rate one-half ampere.

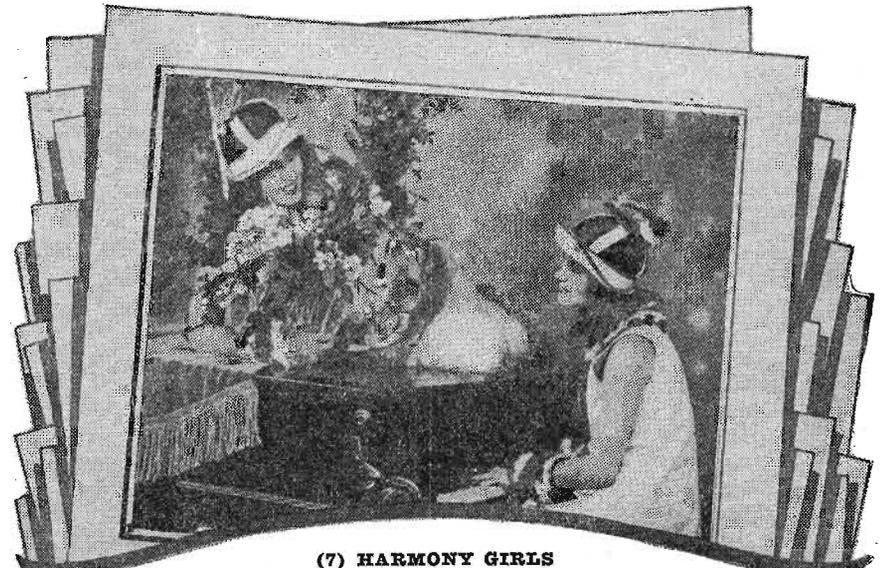
It is very small and compact, being only 4¾ by 5¾ by 2¾ inches overall in size, and is enclosed in a metal case. Leads to go to the storage battery, clips, and eight



feet of flexible lamp cord with plug to fit in house lighting socket, are provided.

Other claimed advantages are that the charger's use of lighting current is slight and economical, and that it will not blow out tubes in one's receiver, inasmuch as an insulating transformer is provided in the circuit.

Mica particles which heretofore could not be used are now utilized as an insulating material for Radio parts.



(7) HARMONY GIRLS
These Pictures Are 11 x 14
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Free Photogravures of Your Favorite Artists

By special arrangement Radio Digest is now able to offer its readers a great opportunity to secure a selection of twelve fine photogravures of their favorite Radio stars. These photogravures can only be compared with the finest photos obtainable. See coupon below.

Select Your Favorites From the Gallery of Radio Stars

- | | |
|--|--|
| 1 Wendell Hall, king of ukulele ditties | 20 Vincent Lopez, No. 1 Pennsylvania orchestra |
| 2 Graham McNamee, 1925 Gold Cup announcer | 21 E. L. Tyson, pleasing voice at WJW |
| 3 Jack Little, popular wandering balladist | 22 Bert Davis, "Clown of the Air" |
| 4 Billy B. Van, the Sunshine Man | 23 Art Gillham, "The Whispering Pianist" |
| 5 Coon-Sanders' Original "Nighthawks" | 24 The Sunflower Girl of WBAP |
| 6 George Ray, 1924 Gold Cup announcer | 25 Harry Ehrhart, "Dream Daddy" of WLIT |
| 8 Ford and Glenn, Lullaby Boys of WLS | 26 Correll and Gosden of "Kinky Kids Parade" fame, at WEBB and other stations. |
| 9 "Roxy" Rothafel of WEA's chain fame | 27 Norman Brokenshire, popular at WRC, WJZ |
| 10 The Hired Hand, famous "Substitute Announcer" of WBAP | 28 Jane Novak, Blues Singer of Twin Cities, WCCO |
| 11 Jerry Sullivan, of Chi-CAW-go fame. | 30 Jean Sargent, the original, now at WHT |
| 12 Bob Emery, Big Brother of WEI | 31 Ralph Emerson, popular organist at WLS |
| 13 "Bill" W. G. Hay, ex-KFKX, now of WLLB | 32 Edna Adams, of KPRC |
| 14 Happiness Boys, jovial singers of WEAF | 33 Pat Barnes, vaudeville announcer at WHT |
| 15 Lambdin Kay, "Little Colonel" of WSB | 38 Walter Wilson, "Uncle Bob" of KYW |
| 16 Leo Fitzpatrick, "Merry Old Chief," WJR | 40 Ray-O-Vac Twins, known country-wide |
| 17 Henry Field, 1925 Gold Cup runner-up | 41 Art Linick, KYW's Mrs. Schlagenhauer |
| 18 Al Carney, organ favorite at WHT | 42 Fred Hamm of WTAS, now WLLB, fame |
| 19 Earl E. May, 1926 Gold Cup Announcer. | |

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"WHOZIT" BEGINS NOVEMBER 15 AT

HIGH LIGHTS OF THE AIR

THE Royal Game of WHOZIT begins auspiciously as this edition of Radio Digest is placed in your hands. Twenty-four big stations are making quite a thing of it and it will pay you to get interested. For instance, Station WSOE, School of Engineering, Milwaukee, plans to open its new studios November 15 at 9 p. m. Central time, and a lengthy WHOZIT jubilee will make up the program. See page 3 for full schedule of other WHOZIT stations.

Monday, November 15, the listener will be intrigued by the title of the 9:30 p. m. program from WRVA, Richmond, when the Gypsy serenaders bring forth their gay merchandise in "The Caravan from Gypsyland."

Blanche Da Costa, protegee of Mme. Schumann Heink, and former New York Civic opera lyric soprano, will delight KOA listeners in a concert program Monday night, November 22. Mme. Da Costa will tell of her experiences with Schumann Heink and sing the favorite songs of the nationally loved artist.

The City of Baltimore set a precedent the other day when it appropriated a special fund for broadcasting a series of winter concerts by Baltimore's municipal band over WBAL. Fans who enjoyed the sum-

mer concerts of this organization will be glad to know that these concerts are to be continued every Tuesday night from 10-11 p. m.

Tuesday evenings a course of lectures is being given at WEEI which will interest parents planning to send their young folks away to college. The presidents of the larger New England colleges and universities will give practical talks about preparing for university life. November 16, Charles A. Plumeley of Norwich speaks; Tuesday, November 30, Kenneth M. Sills of Bowdoin; November 30, Paul D. Moody of Middlebury.

For some reason all the headliners seem to fall on Tuesday this last half of the month. Tuesday, November 16, Yale University band gives a program of songs of old Eli at WTIC, at 7:30 p. m. The Yale band was organized in 1918 when Yale turned over all buildings and equipment to the U. S. government.

Music lovers within the range of WTAM, Cleveland, will enjoy the Thanksgiving program at this station. James H. Rogers will give an evening of his own compositions. Although many of his numbers are based on bits of poetry, Mr. Rogers is probably at his best as a composer of sacred music.

Silken Maiden of the Orient is the young lady below. She is a coloratura soprano gifted with a natural radio voice and appears every Monday evening at WLW in a musical setting of the Far East. This mysterious singer has been heard over WLW before. She is shown here in a dress she wore at a recent Jenny Lind concert.



MONDAY, NOVEMBER 15 Headliners

Eastern	Central	Mountain	Pacific
7:30 p. m.	6:30	5:30	4:30
WEAF (491.5m-610kc) Melody Girls.	7:30	6:30	4:30
WEAF (491.5m-610kc) Grosskopf trio.	7:30	6:30	4:30
WCOA (252m-1190kc) "Army Night," 13th Coast Artillery band.	8:30	7:30	6:30
WTIC (475.9m-630kc) Monday Merrimakers.	8:30	7:30	6:30
KENF (461.3m-650kc) Henry Field Seed company concert.	9:40	8:40	7:40
WEAF (491.5m-610kc) Gala program celebrating WEAF's birthday.	10	9	8
WGR (319m-940kc) Harmonic octet.	10	9	8
WTIC (475.9m-630kc) Laura Hertz, contralto.	8:30	7:30	6:30
KOIL (305.9m-980kc) Clara Kuryz and her Chocolate Cake Eater.	8:30	7:30	6:30
WBAP (475.9m-630kc) Traction Four.	8:30	7:30	6:30
WBZ (333.1m-900kc) WBZ trio.	8:30	7:30	6:30
WTIC (475.9m-630kc) A. B. Clinton Musical period.	8:45	7:45	6:45
WGHB (266m-1130kc) Folk songs, Mr. and Mrs. H. Carlton.	8:45	7:45	6:45
WHAZ (379.5m-790kc) Sterling mixed quartet, soloists.	9	8	7
KDKA (309.1m-970kc) "Romantic Songs of Musical Comedies."	9	8	7
KOIL (305.9m-980kc) The Nauticals.	9	8	7
WBZ (333.1m-900kc) Aleppo Drum Corps.	9	8	7
WHO (526m-570kc) Bankers Life trio; Myrtle Williams, soloist.	9	8	7
WSM (282.8m-1060kc) Kenneth Rose, violinist.	9	8	7
WTIC (475.9m-630kc) Plaut's Polyphonians.	9:10	8:10	7:10
WRVA (256m-1170kc) Those Melody Boys Again, Pat and Bright.	9:15	8:15	7:15
WOS (440.7m-680kc) University of Missouri program.	9:30	8:30	7:30
KPRC (296.9m-1010kc) Earl Shay, tenor.	9:30	8:30	7:30
WBZ (333.1m-900kc) Almanzo Gosselin, soprano.	9:30	8:30	7:30
WRVA (256m-1170kc) Gypsy Serenaders in "The Caravan from Gypsyland."	9:50	8:50	7:50
WSU (483.6m-620kc) Cornell Night.	10	9	8
CKNC (356.9m-840kc) Eveready Little symphony orchestra, vocal quartet.	10	9	8
KTHS (374.8m-800kc) Symphonic gems.	10	9	8
WEAF (491.5m-610kc) "Tales of Hoffman," opera company WJAR, WCOA, WCAE, WCSH, KSD, WDAF, WSAI, WLIT.	10:03	9:03	8:03
WGST (270.1m-1110kc) Georgia Tech glee club orchestra.	10:03	9:03	8:03
WPG (299.8m-1000kc) "The Finger of God," WPG players.	10:03	9:03	8:03
WRVA (256m-1170kc) The Skyrocket, Mystery Voice, Guess Who, Songs of Today.	10:03	9:03	8:03
WBZ (333.1m-900kc) Happy trio.	10:05	9:05	8:05
WTIC (475.9m-630kc) First Presbyterian church quartet.	10:15	9:15	8:15
KFI (467m-642kc) Sylvia Rosenthal, pianist.	10:15	9:15	8:15
KPO (428.3m-700kc) Harmony Four.	10:30	9:30	8:30
KNX (336.9m-890kc) Playlet.	10:30	9:30	8:30
KPRC (296.9m-1010kc) Mr. and Mrs. Hu, Huffmaster, baritone and soprano.	10:30	9:30	8:30
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KPO (428.3m-700kc) Harmony Four.	10:30	9:30	

AT TWENTY-FOUR LEADING STATIONS



Walter Damrosch appears, left, discussing coming programs of the Balkite hour with J. M. Troxel, standing, of the Pansteel Products company. Mr. Damrosch will alternate New York symphony programs with piano-lecture recitals through WFAF and chain. Below is Blanche Da Costa, opera prima donna now promoting works of young western composers at KOA.

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.

Special Farm Features

Sunday			
Eastern	Central	Mountain	Pacific
12:30 p.m.	11:30	10:30	9:30
KVOO (374.8m-800kc), Oklahoma A. & M. course.			
3:30	2:30	1:30	12:30
WFAA (415.9m-630kc), Sunday hour for farmers.			
Monday			
Eastern	Central	Mountain	Pacific
8:30 a.m.	9:30	8:30	7:30
WFI (394.5m-760kc), Farm feature.			
11	10	9	8
KMMJ (228.9m-1310kc), Poultry talks.			
1 p.m.	12	11	10
WCCO (415.4m-720kc), Farm hour.			
WEEL (348.0m-860kc), U. S. farm school.			
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), "Less Cotton and More Rotation."			
1:30	12:30	11:30	10:30
KMA (461.3m-650kc), Farm talk, agricultural aid.			
WCCO (416.4m-720kc), Farm talk, feed choppers.			
WEAO (293.9m-1020kc), Timely economic information for the farmers.			
1:35	12:35	11:35	10:35
KSAC (340.7m-880kc), Timely talks 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), Questions and answers on horticulture.			
6:40	5:40	4:40	3:40
WGHP (270m-1110kc), U. S. Farm school.			
7:30	6:30	5:30	4:30
KSAC (340.7m-880kc), Nov. 15, "Dairying, Improving the Woodlot," Nov. 22, "Soils, Dairying."			
KSO (410.7m-730kc), U. S. Farm school.			
WSM (282.8m-1060kc), Poultry talks.			
1 p.m.	12 n.	11	10
WCCO (416.4m-720kc), Farm hour.			
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.			
7:45	6:45	5:45	4:45
KSO (410.7m-730kc), 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
WAMD (243.8m-1230kc), U. S. Farm school.			
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.			
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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.			
7:45	6:45	5:45	4:45
KSO (410.7m-730kc), U. S. Farm school.			
8	7	6	5
KOIL (305.9m-980kc), U. S. Government crop survey.			
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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.			
7:45	6:45	5:45	4:45
KSO (410.7m-730kc), 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
WAMD (243.8m-1230kc), U. S. Farm school.			
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.			
7:45	6:45	5:45	4:45
KSO (410.7m-730kc), U. S. Farm school.			
8	7	6	5
KOIL (305.9m-980kc), U. S. Government crop survey.			
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KSO (410.7m-730kc), U. S. Farm school.			
8	7	6	5
KOIL (305.9m-980kc), U. S. Government crop survey.			
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KSO (410.7m-730kc), 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
WAMD (243.8m-1230kc), U. S. Farm school.			
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			

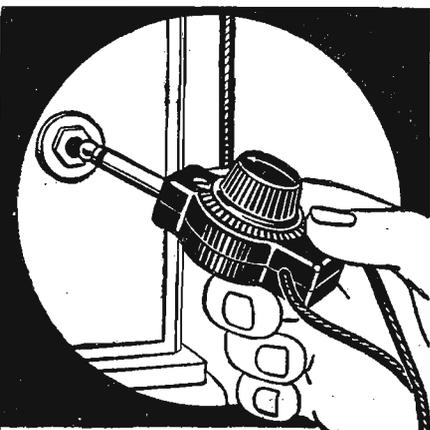
Eastern	Central	Mountain	Pacific
7:50 p.m.	6:50	5:50	4:50
WIZ (454.3m-660kc)	William Ballyn, sea songs.		
8:15	7:15	6:15	5:15
KPFF (461.3m-650kc)	Mixed program.		
WEAO (293.9m-1020kc)	Travel dialogue.		
WTIC (475.9m-630kc)	St. Cecelia Woodwind ensemble.		
8:30	7:30	6:30	5:30
WEAO (293.9m-1020kc)	Trio, violin, cello and piano.		
8:30	7:30	6:30	5:30
WHAS (399.8m-750kc)	Georgetown night.		
9	8	7	6
KOIL (305.9m-980kc)	Marian Fisher, soprano.		
KLDS (440.9m-680kc)	"Beethoven."		
KUOA (299.8m-1000kc)	Pupils, H. D. Tovey.		
WCBD (344.6m-870kc)	McElroy saxophone quintet.		
WHB (365.6m-820kc)	Wamego Township band, soloists.		
WSM (282.8m-1060kc)	Mrs. William Dumm, Jr., soprano.		
10:30	9:30	8:30	7:30
KPMX (336.9m-890kc)	"Lawyer's Relationship to His Clients," Frank L. Clark.		
KPRC (296.9m-1010kc)	Skyline studios concert.		
11	10	9	8
KOA (322.4m-930kc)	Auction bridge.		
KPSN (315.6m-950kc)	First Anniversary program.		
12 m.	11	10	9
KFWB (252m-1190kc)	Albert Keglovich, violinist.		

TUESDAY, NOVEMBER 30 Headliners

Eastern	Central	Mountain	Pacific
7 p. m.	6	5	4
WEAF (491.5m-610kc)	Lewis D. Zeidler, tenor.		
7:30	6:30	5:30	4:30
WFAA (475.9m-630kc)	Twin cornetists.		
7:45	6:45	5:45	4:45
KDKA (309.1m-970kc)	Development of the Modern Steam Engine.		
8	7	6	5
KPFF (461.3m-650kc)	Musical.		
8:30	7:30	6:30	5:30
WHAS (399.8m-750kc)	Masqueraders.		
9	8	7	6
KLDS (440.9m-680kc)	KLDS Radio club.		
KOIL (305.9m-980kc)	Grace Steinburg, soprano; Marjorie Burns, pianist.		
KUOA (299.8m-1000kc)	Eleanor and Lawrence Powell.		
WSM (282.8m-1060kc)	Spirituals, Music Lovers Federated club.		
11	10	9	8
KFWB (252m-1190kc)	Julius H. Phillips, tenor.		
11:15	10:15	9:15	8:15
KTES (374.8m-800kc)	Little Jack Little.		

Educational Features Tuesday

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.		
6	5	4	3
WGN (302.8)	Spanish lesson.		
6:30	5:30	4:30	3:30
WNYC (526m-570kc)	Elementary Italian lessons.		
7	6	5	4
KVOO (374.8m-800kc)	University of Tulsa.		
WDAP (365.6m-820kc)	School of the Air.		
WNYC (526m-570kc)	Advanced Italian lessons.		
WTIC (475.9m-630kc)	Trinity college course.		
7:10	6:10	5:10	4:10
WEAF (491.5m-610kc)	Columbia University.		
7:30	6:30	5:30	4:30
KSAC (340.7m-880kc)	College of the Air.		
9:10	8:10	7:10	6:10
WMAQ (447.5m-670kc)	University of Chicago.		
10	9	8	7
WMAQ (447.5m-670kc)	Glimpses into Foreign service.		
WIZ (454.3m-660kc)	WGY (379.5m-790kc) Cook's tours.		



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Regular Tuesday 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.
WBBR New York, N. Y. (416.4m-720kc) 8 p. m. headliner.
WCAE Pittsburgh, Pa. (461.3m-650kc) 6 p. m. dinner concert; 7:45, talks; 8, WEAF; 8:30, feature; 9, WEAF; 10, bridge; 10:30, WEAF.
WCAU Philadelphia, Pa. (277.6m-1080kc) 7:30 p. m. Snellenburg instrumental trio; 8:15, Gurnse Butternaker; 8:30, recital; 9, Montbard Folies; 9:30, Robert Fraser, blind gospel singer; 10, Prof. Doolittle; 10:05, Chapman Engart Syncopators; 10:15, Al Harris, musical saw; 10:20, recital; 10:30, Cathy dance orchestra.
WCWS Bridgeport, Conn. (285.5m-1050kc) 8 p. m. program; 11, Charles Coles and his orchestra.
WCX Detroit, Mich. (516.9m-580kc) 6-7 p. m. dinner program, Goldkette ensemble; 10, Red Apple club.
WDBO Winter Park, Fla. (239.9m-1250kc) Rollins conservatory trio; 9:20, bridge; 10:30, organ; 11:30, request program.

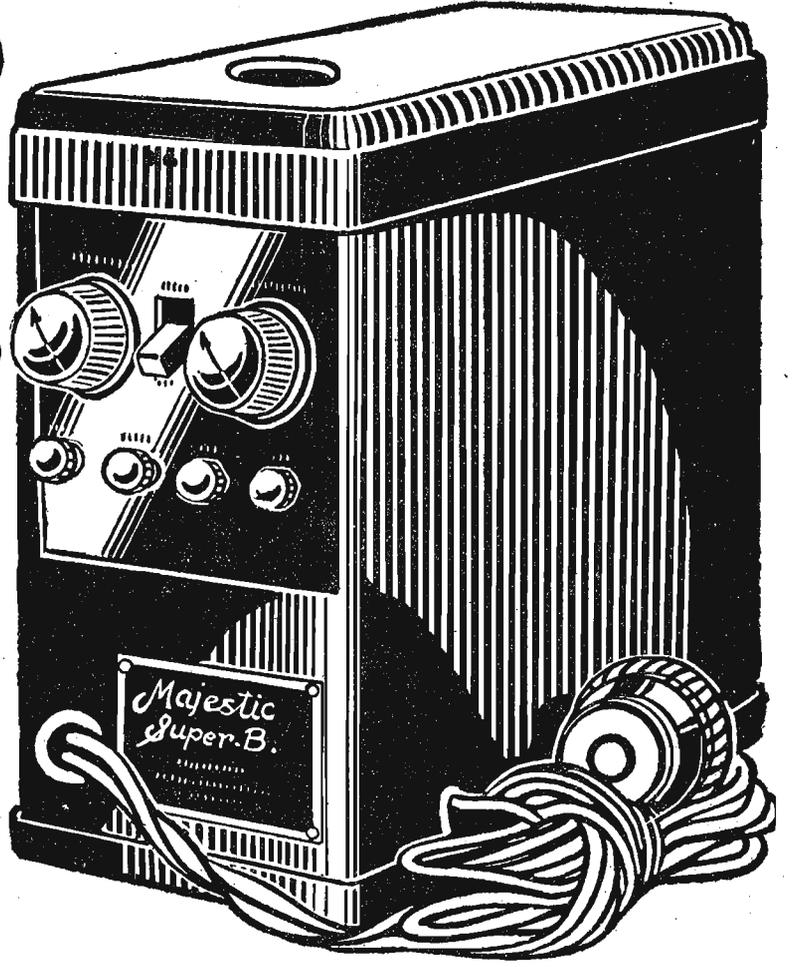
WEAF New York, N. Y. (491.5m-610kc) 6 p. m. dinner music; 7, headliner; 7:10, talk, Columbia University; 7:30, Fairyland; 8, The Vikings, WEAF, WFL, WCAE, WWJ, WGR, WTAM, WSAI, WTAR, WTAE, WOC, WCCO, WCSH, KSD; 8:30, Jolly Buckeye Bakers, WEAF, WTAG, WFI, WTAM, WWJ, WSAI, KSD, WCCO; 9, Eveready hour, WEAF, WFL, WFI, WTAG, WTAR, WGR, WCAE, WTAM, WWJ, WSAI, WGN, WOC, WCCO, KSD, WRC; 10, auction bridge instruction, WEAF, WBEI, WCSH, WTAG, WTAR, WGR, WCAE, WTAM, WFI, WWJ, WSAI, WGN, WOC, WCCO, KSD; 10:30, orchestra, WFI, WWJ, WCAE, WGR, WTAM, WCSH; 11:30, orchestra.
WEAO Columbus, Ohio (293.9m-1020kc) 7:45 p. m. musicale.
WEI Boston, Mass. (348.6m-860kc) 7:30 p. m. intercollegiate broadcast; 7:45, musicale; 8-10:30, WEAF.
WFI Philadelphia, Pa. (394.5m-760kc) 6:45, Adelpia dance orchestra; 8, WEAF; 8:30, WEAF; 9, WEAF; 10, Moment Musicale; 10:30, Vincent Lopez and his orchestra.
WGBS New York, N. Y. (315.6m-950kc) 7:20 p. m. Arrowhead Inn concert orchestra; 11, Arrowhead Inn dance orchestra.
WGHF Clearwater, Fla. (265.3m-1130kc) 7:30 p. m. Walley Wiley, pianist; 8:30, Jolly Buck Eye Bakers; Virginia Girl.
WGHF Detroit, Mich. (270.1m-1110kc) 6 p. m. dinner concert, Hotel Tuller; 8-8:30, studio program; 8:30-9:30, orchestra; 9:30-10, novelty half hour.
WGR Buffalo, N. Y. (319m-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, Edward Rice, violinist; 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, Loew'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 WGBS; 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 Dole; 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.
WKRC Cincinnati, Ohio (325.9m-920kc) 10 p. m. organ; 11, Al Kirschner, pianist; 11:30, dance program.
WLIT Philadelphia, Pa. (394.5m-760kc) 7:30 p. m. concert orchestra.
WLW Cincinnati, O. (422.3m-710kc) 6 p. m. Bill Mara's Kentuckians; 7:30, Castle Farm dance music; 9, Formica concert orchestra.
WLWL New York, N. Y. (288.3m-1040kc) 9 p. m. Piano recital; 9:30, Premier Male quartet; current plays; 10:30, organ recital.

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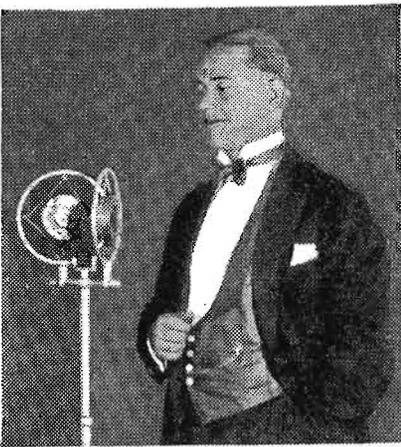
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WERRENRATH WILL SING NOVEMBER 21



Reinald Werrenrath, above, as he will appear before the microphone of WEAJ Sunday, November 21. Mr. Werrenrath is singing through the courtesy of the Atwater Kent company and will be heard by listeners all over the United States.

WMAK Buffalo, N. Y. (265.5m-1130kc) 6:15 p. m. dinner music; 7:30 evening program; 10:30, musicale, WGY, WHAM, WFBL; 12, Harold Runsey, organist.

WMCA 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.

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. (405.2m-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.

WPG Atlantic City, N. J. (299.8m-1000kc) 7:15 p. m. organ recital, Arthur Brook; 7:30, Hotel Morton dinner music; 8:05, Hotel Shelburne dinner music; 8:30, Hotel Chelsea concert; 9, Dual concert trio; 10:30, President hotel dance orchestra; 11, Silver Slipper supper club dance orchestra.

WRC Washington, D. C. (468.5m-640kc) 7 p. m. Raleigh hotel orchestra; 8, WJZ; 9, WEAJ; 10, WJZ; 10:30-11:30, Meyer Davis, Le Paradis band.

WSAI Cincinnati, Ohio (325.9m-920kc) 7:15 p. m. dinner concert; 7:45, music; 8, WEAJ.

WTAG Worcester, Mass. (545.1m-550kc) 8-10:30 p. m. WEAJ.

WTAM Cleveland Ohio (389.4m-770kc) 6 p. m. community fund; 8-11, WEAJ; 11, Austin Wylie's Vocalion Recording orchestra.

WVIC Hartford, Conn. (475.9m-630kc) 6 p. m. Hotel Heublin trio; 6:30, musicale; 10:05, Club Palais Royal orchestra.

WWJ Detroit, Mich. (352.7m-850kc) 6 p. m. dinner concert; 8, WEAJ.

Central Time Stations

KFAB Lincoln, Nebr. (340.7m-880kc) 5:30-6:30 p. m. musicale; 8:05-10:30, University of Nebraska.

KFDM Beaumont, Texas (315.6m-950kc) orchestra.

KFNF Shenandoah, Ia. (461.3m-650kc) 7 p. m. headliners.

KLDS Independence, Mo. (440.9m-680kc) 8 p. m. studio program; 10, popular music.

KMA Shenandoah, Ia. (461.3m-650kc) 9-11 p. m. May's Mandolin Musicians.

KMOX St. Louis, Mo. (280.2m-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, Ambassadors; 8, serenaders; 11, dance music.

KPRC Houston, Tex. (299.8m-1000kc) 7:30 p. m. Sky-line studio concert; 9, bridge.

KSO Clarinda, Iowa (405.2m-740kc) 7 p. m. classical program.

KTHS Hot Springs National Park, Ark. (374.8m-800kc) 9:10-10:45 p. m. musicale.

KUOA Fayetteville, Ark. (299.8m-1000kc) 8 p. m. musical program, Eleanor and Laurence Powell.

KVOO Bristow, Okla. (374.8m-800kc) 7-8 p. m. KVOO orchestra; 8-8:30, mixed quartet; 8:30-9, Dinah; 12, Rough and Ready.

KYW Chicago, Ill. (535.4m-560kc) 6:30 p. m. Joska DeBarbery 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. musicale; 8-8:30, Fort Worth club orchestra; 9:30-11, Excel ensemble.

WBBM Chicago, Ill. (226m-1330kc) 8-8:15 p. m. instrumental prelude; 8:15-9, Ultra-Modern composers; 9-10, Melody hour; 10-11:30, variety hour; 11:30-12, supper club.

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

WCCO Minneapolis-St. Paul, Minn. (416.4m-720kc) 7-9:30 p. m. WEAJ; 9:30, musical comedy, Garrett's Chocolate Soldiers; 10:15, Izaak Walton league.

WCFL Chicago, Ill. (491.5m-610kc) 6 p. m. talks; 7, Brevoort trio; 8, Spinning Wheel hour; 10, Alamo orchestra; 11-12, entertainers.

WDAF Kansas City, Mo. (365.6m-820kc) 6-7 p. m. school of the air; 11-11:45, Nighthawk frolic.

WDBH 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 bits; 11, Edgewater Beach hotel orchestra; 12, Cook Sisters.

WENR Chicago, Ill. (265.3m-1130kc) 6-7 p. m. Rauland lyric trio; 8-10, All-American Pioneers.

WFAA Dallas, Texas (475.9m-630kc) 6:30-7:30 p. m. musicale; 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, WEAJ; 9, Auction Bridge game; 9:30-10, WGN male quartet; 10, Sam n Henry; 10:10, The Music Box; 10:20, musical program; 10:40-11, songs, Correll and Gosden.

WHAD Milwaukee, Wis. (275.1m-1090kc) 6:10 p. m. dinner hour, orchestra selections; theater review; 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, 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.

WHT Chicago, Ill. (399.8m-750kc) 6 p. m. Al Carney, organist, Bob York, Julie Juliens; 7:45 (238m-1260kc), Stuart Dawson, songs; 9:30 (399.8m-750kc), Bel Canto male quartet; 10, variety program, 12, Al and Pat.

WJAZ Chicago, Ill. (329.5m-910kc) 6:30 p. m. Imperial Salon players; 7:45, dinner concert; 8-8:30, Club Chez Pierre; 8:30-9, William H. Britigan program; 9-11, Shoreland studio; 11-12, Club Chez Pierre.

WJJD Mooseheart, Ill. (370.2m-810kc) 8-9 p. m. child artists; 10-11, Palmer House Victorians; Clarence Harper, Lucky Wilbur; 12 midnight, Settin' Up hour; Jack Nelson, Victorians.

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, Coon Sanders Nighthawk orchestra; 7:45-8, Neighbor Daw in old time songs; 11-12, songs, Correll and Gosden; Ruth Farley, organist; Bobby Meeker's Drake hotel dance orchestra, waltz time; 21-1 a. m. Coon Sanders Blackhawk Night club, Purple Grackle.

WLS Chicago, Ill. (344.6m-870kc) 6 p. m. May and June, Fleming Smith; 6:40, Maurie Sherman's College Inn orchestra; 6:55, Si Spencer; 7, May and June; 7:30-7:55, Don Malin; 10:30-12, organ; Maurie Sherman's College Inn orchestra; Jack Chapman's orchestra.

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

WMBB Chicago, Ill. (249.9m-1200kc) 7-8:30 p. m. Trianon ensemble; Genevieve Burnham; 8:30-11, Trianon orchestra; ensemble; Mabel Bagley, contralto; Heavenly Twins.

WMC Memphis, Tenn. (499.7m-600kc) 8:30 p. m. Hotel Gayoso orchestra; 11, midnight frolic.

WOAI San Antonio, Tex. (394.5m-760kc) 8:30-9:30 p. m. Gebhardt Mexican players.

WOAW Omaha, Nebr. (526m-570kc) 6 p. m. Henry Thornton, organist; 6:25, Lillian Madsen, popular entertainer; 6:50, Auction bridge; 9, popular and old time music.

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

WOK Chicago, Ill. (238m-1260kc) 6-7:45 p. m. Blaufuss' string ensemble; 8-9 (217.3m-1380kc), Capitol theater; 9:30-12 (238m-1260kc), Mad syncopators; Arthur Castle and his orchestra; Peacock-Sands orchestra.

WORD Chicago, Ill. (275.1m-1090kc) 7 p. m. Public Service Company of Northern Illinois; 9, program; 11, Public Service Company of Northern Illinois; 11:45, Bible lecture.

WQJ Chicago, Ill. (447.5m-670kc) 7-8 p. m. Rainbo Gardens orchestra; vocal selections; 10-2 a. m. Rainbo Gardens orchestra; frolic.

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

WSBC Chicago, Ill. (288.3m-1040kc) 6:30-8:30 p. m. dinner program; 9:30-1, New Jeffrey Tavern syncopators.

WSM Nashville, Tenn. (282.8m-1060kc) 8 p. m. entertainment.

WSWS Chicago, Ill. (275.8m-1090kc) 6 p. m. dinner hour program, Terrace Garden orchestra; 8, Production, Magic Crystal; 10, recital; 12 midnight, Witching hour.

cafe orchestra; 9-10, Gypsy and Marta; 10-11, Palace Hotel Rose room dance orchestra.

KPSN Pasadena, Calif. (315.6m-950kc) 8-9 p. m. Star-News concert hour; James H. Shearer, organist.

Tuesday silent night for: CFCA, KFJ, KFKX, KFJ, KOB, KTAB, KWWG, PWX, WAHG, WAMD, WBBR, WEMC, WGPC, WOS, WRVA, WSMB, WSUI, WTAM, WTC.

WEDNESDAY, NOVEMBER 17

Headliners

Eastern	Central	Mountain	Pacific
6:30 p. m.	5:30	4:30	3:30
WGR (319m-940kc) Ganger's Buffalonians orchestra.			
7:45	6:45	5:45	4:45
KDKA (309.1m-970kc) "Rouseau; The Apostle of Democracy."			
8	7	6	5
WBZ (333.1m-900kc) Jimmie Buckner, Scotch comedian.			
WEAF (491.5m-610kc) Salon concert, Milo Miloradovich, soprano.			
WBJ (272.6m-1100kc) City of Yonkers night.			
8:15	7:15	6:15	5:15
WRVA (256.3m-1170kc) Old hymns.			
8:30	7:30	6:30	5:30
WMCA (340.7m-880kc) Chlorine entertainers.			
WIAS (399.8m-750kc) K. & I. orchestra.			
9	8	7	6
WCOA (252m-1190kc) David Lloyd, tenor.			
WDAF (365.6m-820kc) Ivanhoe band, glee club.			
WEBW (267.7m-1120kc) Erma Miranda, soprano.			
Max Miranda, organist.			
WIO (526m-570kc) The Four Horsemen, quartet.			
9:10	8:10	7:10	6:10
WRVA (256.3m-1170kc) All-Star quartet.			
9:20	8:20	7:20	6:20
WOS (440.7m-680kc) Big Four string band.			

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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:

Thursday, November 18

Oklahoma City-Tulsa at Tulsa, KVOO (374.8m-800kc).

Friday, November 19

Kansas-A. and M. at Stillwater, KVOO (374.8m-800kc).

Saturday, November 20

Chicago-Wisconsin at Chicago, WMAQ (447.5m-670kc), KYW (535.4m-560kc).

Harvard-Yale at New Haven, WEAJ (491.5m-610kc) and chain; WBZ (333.1m-900kc), WGY (379.5m-790kc), WJZ (454.3m-660kc).

Iowa-Northwestern at Iowa City, WSUI (483.6m-620kc), KOIL (305.9m-980kc).

Kansas Aggies-Iowa State at Manhattan, KSAC (340.7m-880kc), WOI (270.1m-1110kc).

Michigan-Minnesota at Minneapolis, WCCO (416.4m-720kc).

Missouri-Kansas at Columbia, WOS (440.9m-680kc).

New York-Nebraska at Lincoln, KFAB (333.1m-900kc).

North Dakota-Marquette at Milwaukee, WHAD (275.1m-1090kc).

Ohio-Illinois at Champaign, WEOA (293.9m-1020kc), WGN (302.8m-990kc).

Oregon Aggies-Oregon at Corvallis, KOAC (280.2m-1070kc).

St. Louis-Oklahoma at Norman, KVOO (374.8m-800kc).

Southern Calif.-Idaho at Los Angeles, KFI (467m-642kc), KNX (336.9m-890kc).

Stanford-U. of Calif. at Oakland, KLX (508.2m-590kc).

Thursday, November 25

Colorado-Denver at Denver, KOA (322.4m-930kc).

Cornell-Pennsylvania at Philadelphia, WEAJ (491.5m-610kc), WJZ (454.3m-660kc), WGY (379.5m-790kc), WGR (319m-940kc), WIP (508.2m-590kc).

Georgia Tech.-Auburn at Atlanta, WGST (270.1m-1110kc).

Miami-Cincinnati at Cincinnati, WSAI (325m-920kc).

Oklahoma-A. and M. at Stillwater, KVOO (374.8m-800kc).

U. S. C.-Montana at Los Angeles, KFI (467m-642kc), KNX (336.9m-890kc).

Washington-Nebraska at Seattle, KFAB (340.7m-880kc).

Saturday, November 27

Army-Navy at Chicago, KOA (322.4m-930kc), KYW (535.4m-560kc), WEAJ (491.5m-610kc), WEBH (370.2m-810kc), WGN (302.8m-990kc), WMAQ (447.5m-670kc), KOIL (305.9m-980kc), WGY (379.5m-790kc), WGR (319m-490kc).

Boston College-Holy Cross at Boston, WBZ (333.1m-900kc).

U. S. C.-Iowa State at Los Angeles, WOI (270.1m-1110kc), KFI (467m-642kc), KNX (336.9m-890kc).

Saturday, December 4

Haskell Indians-Tulsa at Tulsa, KVOO (374.8m-800kc).

U. S. C.—Notre Dame at Los Angeles, KFI (467m-642kc), KNX (336.9m-890kc).

Eastern	Central	Mountain	Pacific
9:30 p.m.	8:30	7:30	6:30
KPRC (296.9m-1010kc) Tex Lynne, boy with whistling blues.			
WBZ (333.1m-900kc) Greenfield Military band.			
WCCO (416.4m-720kc) Schaetgen trio, cellos and piano.			
WCOA (252m-1190kc) John Borges, violinist.			
WHO (526m-570kc) Official Third District Legion band.			
9:45	8:45	7:45	6:45
WCOA (252m-1190kc) LaPetite symphony orchestra.			
10	9	8	7
KTHS (374.8m-800kc) In-the-Room of the classics.			
WMAQ (447.5m-670kc) Mr. and Mrs. Dolinck, violin and piano recital.			

Eastern	Central	Mountain	Pacific
10:20 p.m.	9:20	8:20	7:20
WOS (440.7m-680kc) Request program, Chick Scoggin, songwriter.			
10:30	9:30	8:30	7:30
WCCO (416.4m-720kc) Mu Phi Epsilon, Nationalism in English music.			
WEAF (491.5m-610kc) "Princess Ida," WEAJ Light opera company.			
WOC (483.6m-620kc) Lois Lawson.			
11	10	9	8
KHJ (405.2m-740kc) Ruth Roland.			
WSWS (275.8m-1090kc) Rastus and Dinah.			
WSM (282.8m-1060kc) Program, Gilbert M. Orr.			

WEDNESDAY, NOVEMBER 24

Headliners

Eastern	Central	Mountain	Pacific
8 p.m.	7	6	5
WGR (319m-940kc) Allen's symphonic saxophone band.			
8:10	7:10	6:10	5:10
WRVA (256.3m-1170kc) Johnson's saxophone band.			
8:30	7:30	6:30	5:30
WCOA (252m-1190kc) Dothan, Ala., program.			
WEAS (399.8m-750kc) Cardinals.			
9	8	7	6
WLS (344.6m-870kc) University of Chicago choir.			
WRVA (256.3m-1170kc) Richmond Musicians club.			
9:15	8:15	7:15	6:15
KPRC (296.9m-1010kc) Travel talk, Lawrence Daingerfeld.			
9:30	8:30	7:30	6:30
WEAS (399.8m-750kc) Henri Gendron's orchestra.			
9:40	8:40	7:40	6:40
WLS (344.6m-870kc) Pullman Porters quartet.			
10	9	8	7
KTHS (374.8m-800kc) Cello solos, orchestra.			
WLWL (288.3m-1040kc) Emerald instrumental trio.			
WRVA (256.3m-1170kc) F. Flaxington Harker, organist.			

Eastern	Central	Mountain	Pacific
10:15 p.m.	9:15	8:15	7:15
KOA (322.4m-930kc) Italian music, Japanese play, Famous Indian story.			
11	10	9	8
WSM (282.8m-1060kc) Haskell Ingram, pianist.			
11:15	10:15	9:15	8:15
WSM (282.8m-1060kc) Lillian Watt, soprano; Mrs. Eugene Meyer, pianist.			
12 m.	11	10	9
KFWB (252m-1190kc) June Parker			

Educational Features Wednesday

Eastern	Central	Mountain	Pacific
6:30 p.m.	5:30	4:30	3:30
WNYC (526.6m-570kc) Elementary Spanish lessons.			
6	5	4	3
KVOO (374.8m-800kc) Law lecture, U. of T.			
WDAF (365.6m-820kc) School of the Air.			
WNYC (526.6m-570kc) Advanced Spanish lessons.			
7:30	6:30	5:30	4:30
KSAC (340.7m-880kc) College of the Air.			
7:45	6:45	5:45	4:45
KDKA (309.1m-970kc) University of Pittsburgh, "Spencer."			

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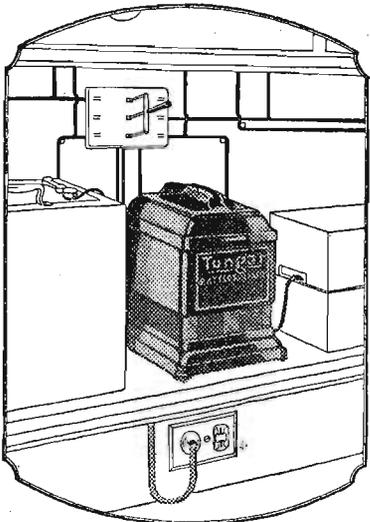
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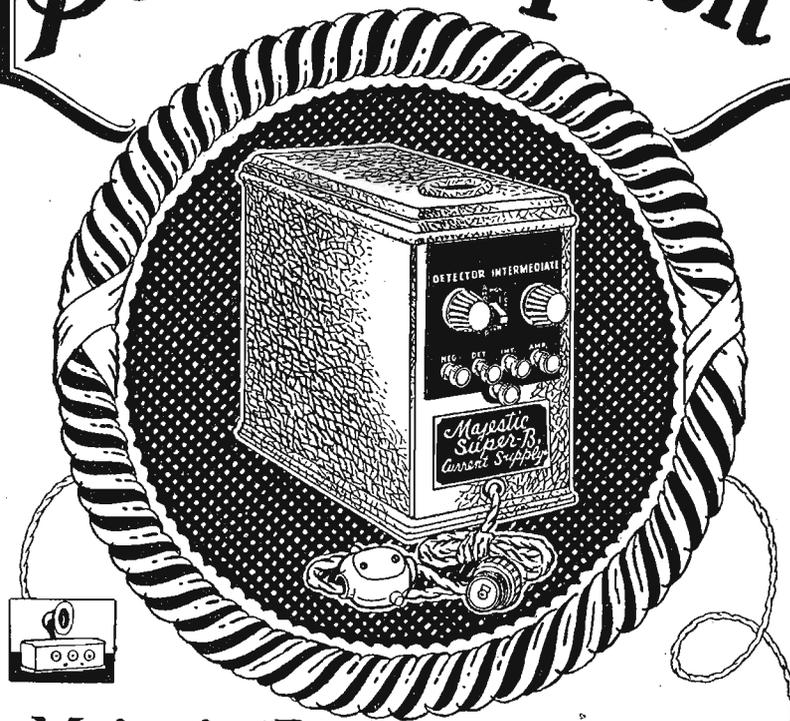
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Eastern 8:05 p.m. WOR (405.2m-740kc) N. Y. L. Nov. 17, "Manhattan, The Base of a Mountain," Nov. 24, "The Ice Floe That Made Long Island." 8:10 7:10 6:10 5:10
Central WMAQ (447.5m-670kc) Lecture, Northwestern University. WOO (508.2m-590kc) Nov. 10, English lecture. 8:30 7:30 6:30 5:30
Mountain KOAC (280.2m-1070kc) "Basketball Practice and Theory," home study course. 10:30 9:30 8:30 7:30
Pacific KWSC (348.6m-860kc) Nov. 17, "Selection of Pictures," "The Self-Made Man," Nov. 24, "How to Raise Wages." 11 10 9 8
 KLX (508.2m-590kc) Educational program. 11:45 10:45 9:45 8:45
 KOAC (280.2m-1070kc) Story course.

Regular Wednesday Features Eastern Time Stations

CFCA Toronto, Can. (356.9m-840kc) 7-8 p. m. Canada Dry Ginger Ale orchestra; 11, dance orchestra. KDKA Pittsburgh, Pa. (309.1m-970kc) 6:15 p. m. KDKA string quartet; 8, concert; 9:30, R.V.B. trio. PWX 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; 10:12, popular program.
 WCAE Pittsburgh, Pa. (461.3m-650kc) 6 p. m. orchestra; 8, recital; 8:11:30 WEAF.
 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; 9:40, Senator Hassenpfeffer; 9:45, Frank Cook, old-time songs; 10, Cheer-up club.
 WCWS Bridgeport, Conn. (285.5m-1050kc) 8 p. m. Melody Boys; 8:30, musicale club; 10:30, theater presentation.
 WCX Detroit, Mich. (516.9m-580kc) 6-7 p. m. Dinner program, Goldkette ensemble; 8-9 studio program.
 WDBO Winter Park, Fla. (239.9m-1250kc) 9 p. m. Chamber of Commerce; 10, musical travels.
 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; WTAC, WJAR, WTAM, WRC; 8, Salon concert, WJAR; 8:30, Davis Saxophone Octet, WJAR, WRC, WCAE, WEEL, WLIT, WCSH, WGR; 9, Inana Troubadours, WEEL, WGR, WRC, WCAE, WWJ, KSD, WCCO, WLIB; 9:30, Moment musicale, WEEL, WGR, WCSH, KSD, WWJ; 10, Smith Bros., WTAC, WGR, WRC, WCAE, WWJ, KSD, WOC, WSAI, WCCO, WDAF; 10:30, WEAF Light Opera company, WCAE; 10:30, Ben Bernie orchestra from the Hotel Roosevelt.
 WEAO Columbus, Ohio (293.9m-1020kc) 8:45 p. m. musicale.
 WEEL Boston, Mass. (348.6m-860kc) 7:30 p. m. musicale; 8:30-10, WEAF; 10, Joe Rines and his Palais Royal orchestra.
 WFIL Philadelphia, Pa. (394.5m-760kc) 6:45 p. m. Adelphia dance orchestra.
 WGHB Clearwater, Fla. (265.3m-1130kc) 8:30 p. m. open house.
 WGHP Detroit, Mich. (270.1m-1110kc) 6 p. m. dinner concert, Hotel Tuller; 8:30-9, open house.
 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, WHAM; 10, WFBL program.
 WHN New York, N. Y. (361.2m-830kc) 7 p. m. Parody 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; Anatol Friedland 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, Dueser Hamden Watchmakers; 9, E. A. White hour; 10:30, Hotel Astor dance orchestra.
 WKRC Cincinnati, Ohio (325.9m-920kc) 8:15 p. m. Hotel Alms orchestra; 8:30, "The Easy Tenor"; 8:50, Eugene Schmitt; 9, Everfresh program; 12, dance music.
 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; 10, Pink of programs; 11, organ recital, Johanna Grosse.
 WLWL New York, N. Y. (288.3m-1040kc) 10 p. m. musicale.
 WMAK Buffalo, N. Y. (285.5m-1130kc) 7:30 p. m. Eastman theater, WGY; 8:15, WHAM program; 9, musicale; 10, WFBL.
 WMCA New York, N. Y. (340.7m-880kc) 6:30 p. m. Ernie Golden and his Hotel McAlpin orchestra; 7:30, Finckenberg's Radio Franks; 9, Altschul'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 Sylvania 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. Lee House trio; 7:30, U. S. Army band; 8:30-9, WEAF; 9, WEAF; 9:30, staff program; 10, WEAF.
 WRVA Richmond, Va. (256.3m-1170kc) 8 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.
 WTAC 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 p. m. Guy Lombardo's Royal Canadians; 7:15, talks; 7:30, WEAF; 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.

KVOO Bristow, Okla. (374.8m-800kc) 7-8 p. m. program; 8-9, Dorothy Heywood Reedy, artists; 12, dance orchestra.
 KYW Chicago, Ill. (535.4m-560kc) 6:30 p. m. Joska DeBabary and his orchestra; 7, Family hour; 9-10:30, Edison classical concert; 10:30-12, Congress carnival.
 WBBM Chicago, Ill. (226m-1330kc) 8-8:15 p. m. instrumental prelude; 8:15, around the world; 9-10, Harmony time; 12, Nutty club.
 WCCO Minneapolis-St. Paul, Minn. (416.4m-720kc) 6:45 p. m. Radio Pioneers' hour; 8, WEAF; 8:30, musicale; 9, WEAF; 9:30, musicale; 10:30 Marigold Ball Room orchestra; 11:30, organ recital, Eddie Dunstetter.
 WCFL Chicago, Ill. (491.5m-610kc) 6 p. m. talks; 7, Brevort trio; 8, variety hour; 10, Alamo orchestra; 12, entertainers.
 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.
 WEBH 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, 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.
 WENR Chicago, Ill. (265.3m-1130kc) 6-7 p. m. Rauland trio; 8-10, All-American Pioneers; 12-2, frolic.
 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 Gosden; 8:45-10, Arabian Nights' entertainment; 10, Sam 'n' Henry; 10:10, Music Box; 10:20, songs, Tommy Coates; 10:30-12, The Pepper Party.

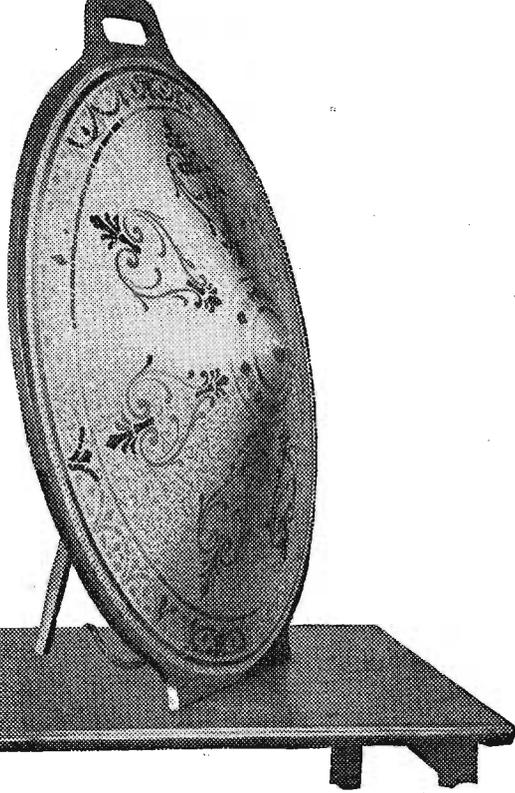
Central Time Stations

CKY Winnipeg, Can. (384.4m-780kc) 9-10 p. m. Prof. Gregori Corbovitsky, violinist.
 KFAB Lincoln, Neb. (340.7m-880kc) 5:30-6:30 p. m. Hotel Lincoln orchestra; 8:30-10:30, request program.
 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 Willrich's orchestra; 8:30, evening concert; 9-11, Frank Tilton.
 KSO Clarinda, Iowa (405.2m-740kc) 7 p. m. songs.
 KTHS Hot Springs National Park, Ark. (374.8m-800kc) 9-9:45 p. m. Headliner; 9:45-11:05, frolic.



\$15⁰⁰
 (West of Rockies, \$18.00)

An astonishingly low price for this 22-inch Windsor Cone Loudspeaker mounted on sounding board and supplied with easel. Can be hung on wall or stood on table or floor.



This Amazing New Cone Speaker Hangs on Wall or Stands on Table!



This Windsor Cone Loudspeaker Console is equipped with a 22-inch Windsor Cone Loudspeaker. Its top is 30" x 17" and is 29" high. The battery shelf provides ample space for batteries, charger, battery eliminator and other equipment. Beautifully finished in either Mahogany or Walnut. Price only **\$29⁰⁰**
 (West of Rockies, \$35)

Model 200
 With 22-inch Cone



In this Windsor Console is combined both the Windsor Moulded Composition Horn Loudspeaker and the 18-inch Windsor Cone Loudspeaker. The top is 30" x 17" and stands 29" high. Ample battery and equipment space is provided by large shelf in rear. Price finished in Walnut or Mahogany, **\$48⁰⁰**
 (West of Rockies \$55)

Model 302
 With Moulded Composition Horn Loudspeaker and 18-inch Cone Loudspeaker

NOW the radio world enjoys a new sensation—a 22-inch cone loudspeaker mounted on a sounding board and equipped with an easel back so that it can be hung on the wall, stood on a table, or placed on the floor.

And this is the famous Windsor Cone Loudspeaker that reproduces all the tones as they are broadcast. From the deepest throated pipes of the largest organ to the softest note of a crooning lullaby—from full volumed brass of a band playing "The Stars and Stripes Forever" to the last faint note of "Home Sweet Home" played by a master violinist—every tone, every sound is reproduced with perfect fidelity in all its beauty, just as it entered the microphone.

This wall and table model Windsor Cone Loudspeaker has no equal in value in the world of radio. When compared with the average cost of cone-type loudspeakers of even smaller size and without the sounding board and easel back, the cost of this Windsor model is amazingly low.

Dealers everywhere are showing this new radio wonder. Go to your dealer today—see and hear this marvelous loudspeaker—note its extreme utility—compare its low price with others—compare its tone—its volume—then you will have no other. If your dealer should not have one, send your name and address for complete information and prices on the entire Windsor line of Cone and Horn Loudspeakers and Loudspeaker Consoles.

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 New York City



WHAD Milwaukee, Wis. (275.1m-1090kc) 6:10 p. m. Arthur Richter; 11:30, 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. K. C. artist string trio; 10:45-11:45, midweek 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; 8-9:30, program; 9:30-11:30, dance music.
WHT Chicago, Ill. (399.8m-750kc) 6 p. m. Al Carney; 7:45 (238m-1260kc), orchestra, Stuart Dawson; 9:30 (399.8m-750kc), Ray Lawson, tenor; Daddies Kids; John Powell; 10, variety program; 12, Al and Pat.
WJAZ Chicago, Ill. (329.5m-910kc) 6:30 p. m. players; 7:45, dinner concert; 8, Club Chez Pierre; 8:30, William H. Britigan program; 9-11, Shoreland hotel; 11-12, dance music.
WJJD Mooseheart, Ill. (370.2m-810kc) 8-9 p. m. child artists; 10-11, Palmer House Victorians; Gail Bangell; Lamb and Plada, Hawaiian duo; 12:30 a. m. Settlin' Up hour.
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 Coats, baritone; Edward Barry, pianist; 8, WEA; 12-1 a. m. Coon Sanders Blackhawk Night club.
WLS Chicago, Ill. (344.6m-870kc) 5:40 p. m. Al Melgard, organist; 6, May and June; 6:40, Maurie Sherman's College Inn orchestra; 7, May and June; 7:15, duo, 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. Trianon 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. WEA.

WOK Chicago, Ill. (238m-1260kc) 6-7:45 p. m. string ensemble; 8-9 (217.3m-1380kc), theater program; 9:30-12 (238m-1260kc), syncopators.
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.
WOS Jefferson City, Mo. (440.9m-680kc) 7:30 p. m. address; 8, "Missouri in History," Roy Godsey; 8:05, talk; 8:20, musicale.
WQJ Chicago, Ill. (447.5m-670kc) 7-8 p. m. Rainbo Gardens orchestra; concert; 10-2 a. m. Rainbo frolic.
WSB Atlanta, Ga. (428.3m-700kc) 10:45 p. m. Peerless entertainers.
WSBC Chicago, Ill. (288.3m-1040kc) 6:30-8:30 p. m. dinner program; 9:30-1, New Jeffrey Taverna syncopators.
WSM Nashville, Tenn. (282.8m-1060kc) 6:45 p. m. Andrew Jackson hotel orchestra; 8, Vito and his Radio Seven; 10, headliners.
WSK Bay City, Mich. (260.7m-1150kc) 9-11 p. m. musicale.
WSWS Chicago, Ill. (275.8m-1090kc) 6 p. m. Dinner hour program; Terrace Garden orchestra; 8, Terrace Garden orchestra; 10, popular program; 12 midnight, Witching hour.

program, California Petroleum corp.; 9-10, semi-classical hour; 10-11, Sunset instrumental quartet.
KFWB Hollywood, Calif. (252m-1190kc) 6-7 p. m. Pontiac dinner hour; 7:50, news; 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.
KGW Portland, Ore. (491.5m-610kc) 8-9 p. m. concert; 9-10, entertainment.
KHJ Los Angeles, Calif. (405.2m-740kc) 6:30-7:30 p. m. children's hour; 8-10, features; 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) 7-7:50 p. m. musical program; 8-9, KMTR concert orchestra; 9-10, L. A. Ry dance orchestra; 10-12, Palais de Danse.
KNX Hollywood, Calif. (336.9m-890kc) 7 p. m. musicale; 8, musicale; 9, Country Club program; 10, Edgewater club orchestra; 11, Hotel Ambassador.
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 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.

WABO, WBAL, WBAP, WBRR, WCB, WFAA, WFL, WGBF, WGBS, WGCC, WHAR, WIP, WJAZ, WMC, WOAL, WOAW, WPG, WSUL, WTIC.

THURSDAY, NOVEMBER 18
Headliners

Eastern	Central	Mountain	Pacific
7 p. m.	6	5	4
WSWS (275.8m-1090kc)	North Park College program.		
8	7	6	5
KDKA (309.1m-970kc)	"On the Nile."		
WGST (270.1m-1110kc)	Mrs. G. Cooper, contralto.		
KFNF (461.3m-650kc)	Vincent-Rainey old time serenaders.		
WTIC (475.9m-630kc)	Outlet Owlets.		
8:15	7:15	6:15	5:15
WGST (270.1m-1110kc)	"The Solar Constant and Weather Forecasting," C. Utterback.		
WLS (344.6m-870kc)	Singing Fireman.		
WPG (299.8m-1000kc)	Piano lecture recital, William Thunders; Mildred Paas, soprano.		
8:30	7:30	6:30	5:30
WBAP (475.9m-630kc)	Panther Hawaiian trio.		
WBEZ (333.1m-900kc)	Twilight song trio.		
WEAF (491.5m-610kc)	Schlickerling Crystal Gazers, WEEI, WGR, WFI.		

Mountain Time Stations

KOA Denver, Colo. (322.4m-930kc) 8 p. m. Scheuchner'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,

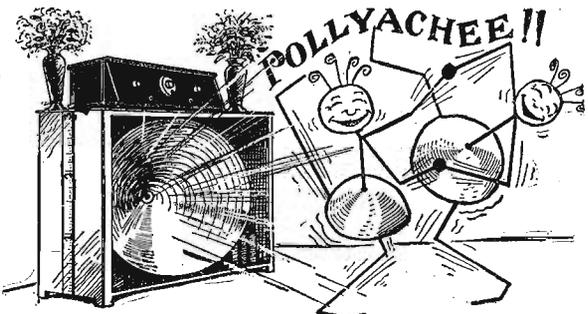
Wednesday, silent night for: **KFDM, KLDS, KMMJ, KOIL, KPSN, KTAB, KUOA, KWWG.**

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Kit includes famous "ENSCO" cone unit, the only direct-drive, distortionless unit for large cones; Alhambra Fonotex for big cone, with brass apex, two Sepia Prints showing cabinet or simple stand construction. All necessary instructions.

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 Higher Powered Eliminator for extremely large sets
\$42.50

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 For 110-120 Volt A C
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No Fixed Voltage Taps
 With the Kingston, three different voltages are obtainable at the same time.

Extreme Flexibility
 Each tap is adjustable over a wide range, making any voltage from 5 to 150 possible.

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 The Raytheon Tube is used as a rectifier—only the highest quality is admitted to the Kingston.

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 No trouble to operate and operation cost is extremely low. Will not get out of order.

THE KINGSTON B BATTERY ELIMINATOR means clear, full reception always, richer, finer tone quality, and release from most of your radio problems.

Do away with troublesome, expensive, bulky batteries, with a dead radio set just when you want it most, with acids, with the danger of stained rugs.

The Kingston B Eliminator is compact, handsomely finished in black and nickel, and guaranteed not only to remove battery nuisance, but to deliver increased volume. A trial will convince you.

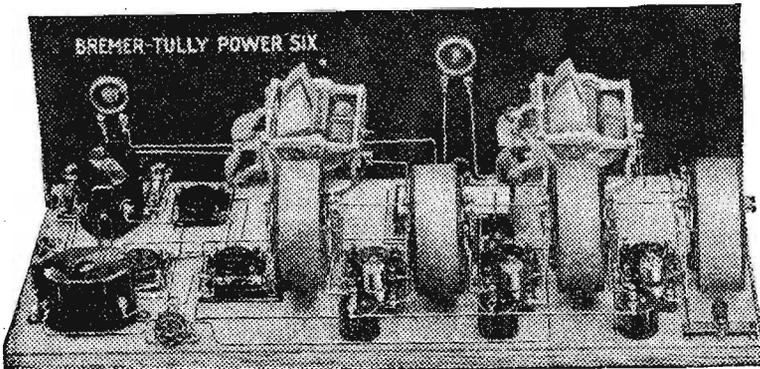
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Thank You Mr. Best—



Power-Six Kit Set

Gerald Best, Technical Editor of "RADIO" published in San Francisco, says:

The new Bremer-Tully Power-Six is by far the best Bremer-Tully receiver yet developed.

Its remarkable selectivity and simplicity of operation leads me to believe it will be one of the season's most popular circuits.

It is one of the easiest circuits to wire of any I have seen. Its engineering principle is sound.

Congratulations to Bremer-Tully on this new development.

The new **Power-Six** is a revision of the famous **Counterphase** circuit to take advantage of the latest improvements in tubes, resistances and parts.

It is easier to build, balance and operate. Full size colored picture wiring diagrams leave no room for errors in building.

Essential parts available in Kit, \$41.50.

BETTER TUNING

Those having the original Counterphase Kit set and wishing to change to a Power-Six model will find the necessary information in the Tenth Edition Better Tuning (56 pages) price 10c.

BREMER-TULLY MFG. CO.

520 So. Canal St.

Chicago, Ill.

Eastern	Central	Mountain	Pacific
8:30 p. m.	7:30	6:30	5:30
WEAS (399.8m-750kc) Liberty Insurance bank program.			
WTIC (475.9m-630kc) New England Conference banquet.			
	7	6	
KOIL (305.9m-980kc) Dorothy Steinbaugh.			
WCBD (344.6m-870kc) Zion orchestra, celestial bells.			
WHB (365.6m-820kc) K. C. Western Dental College band.			
WHO (526m-570kc) Bankers Life trio, Stewart Watson, baritone.			
9:15	8:15	7:15	6:15
KPRC (296.9m-1010kc) Paramount Five.			
9:30	8:30	7:30	6:30
WFAA (475.9m-630kc) Frank Renard, pianist.			
WMC (499.7m-600kc) Vesey ensemble.			
10	9	8	7
KPRC (296.9m-1010kc) Southern Pacific Lines band.			
WGY (379.5m-790kc) Stuart Swart, pianist.			
WHN (361.2m-830kc) "Cookie," Sunshine song-bird.			
WRVA (256.3m-1170kc) Old Virginians.			
10:03	9:03	8:03	7:03
WBZ (333.1m-900kc) Vitali Podolsky, violinist.			
10:15	9:15	8:15	7:15
WTIC (475.9m-630kc) Sascha Jacobsen string quartet.			
10:45	9:45	8:45	7:45
WGY (379.5m-790kc) Bon Ton orchestra.			
11:15	10:15	9:15	8:15
KTIS (374.8m-800kc) Joe Kuntz and his squeeze organ.			
11:20	10:20	9:20	8:20
WCCO (416.4m-720kc) Minnesota Bandmasters' Association, Third U. S. Infantry band.			
12 m.	11	10	9
KFVB (252m-1190kc) Iva Mitchell Butler.			
KFI (467m-642kc) Selwyn Harris, tenor.			

THURSDAY, NOVEMBER 25
Headliners

Eastern	Central	Mountain	Pacific
2 p. m.	1	12	11
WJAX (336.9m-890kc) Anniversary program until 2 a. m.			
	7	6	5
KFNP (461.3m-650kc) Mixed musicale.			
WGST (270.1m-1110kc) W. Herbert, baritone.			
WLWL (288.3m-1040kc) Thanksgiving Day program.			
WRVA (256.3m-1170kc) Thanksgiving Day program.			
8:15	7:15	6:15	5:15
WGST (270.1m-1110kc) "Evidences of the Jazz Period in Engineering Education," E. Hannaford.			
WJZ (454.3m-660kc), Associated Glee clubs, WGY, WRC, WBZ.			
8:30	7:30	6:30	5:30
WBAP (475.9m-630kc) Euterpean club.			
WHAS (399.8m-750kc) Reynolds-Kent Kentucky hotel orchestra.			
8:50	7:50	6:50	5:50
WHAS (399.8m-750kc) Cy Reinhart and his orchestra.			
9	8	7	6
KLDS (440.9m-680kc) Stone church choir.			
KPRC (296.9m-1010kc) Boys' choir of Adath Yshurun.			
WCBD (344.6m-870kc) Zion band.			
WHB (365.6m-820kc) Mona Motor Oil company program.			
WRVA (256.3m-1170kc) Senor Joe Audonegui, Spanish violinist.			
9:15	8:15	7:15	6:15
KPRC (296.9m-1010kc) Gregor Jassel, Russian violinist.			
9:30	8:30	7:30	6:30
KPRC (296.9m-1010kc) Little Russian symphony.			
WFAA (475.9m-630kc) Wednesday Morning choral club.			

Eastern	Central	Mountain	Pacific
9:30 p. m.	8:30	7:30	6:30
WRVA (256.3m-1170kc) Richmond Police string band.			
10	9	8	7
WGY (379.5m-790kc) Mason and Hamlin program "In a Persian Garden," song cycle.			
WTAM (389.4m-770kc) James H. Rogers' night.			
10:10	9:10	8:10	7:10
KTIS (374.8m-800kc) Thanksgiving Day Ball, orchestra.			

Educational Features
Thursday

Eastern	Central	Mountain	Pacific
7 p. m.	6	5	4
KVOO (374.8m-800kc) U. of Tulsa.			
WDAF (365.6m-820kc) School of the Air.			
8:30	7:30	6:30	5:30
WQI (270.1m-1110kc) Iowa state radio courses.			
9	8	7	6
KUOA (299.8m-1000kc) University Extension lectures. Nov. 18, "Mistakes in Building and How to Avoid Them," D. G. Carter; "What is Education?" J. R. Jewell; "Cultural Requirements of the Rose," C. Woolsey; Nov. 25, "Francis Hopkinson's Bills for Designing the Flag."			
10	9	8	7
WGST (270.1m-1110kc) Nov. 18, "The Solar Constant and Weather Forecasting," Nov. 25, "Evidences of the Jazz Period in Engineering Education."			

Regular Thursday Features
Eastern Time Stations

CFCB 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 Meadowbrook.
 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 Bracc, violinist; Sol Sax, pianist; 11-12, dance orchestra.
 WBBR New York, N. Y. (416.4m-720kc) 8 p. m. headliner.

WCAE Pittsburgh, Pa. (461.3m-650kc) 6 p. m. orchestra; 7:45, talks; 8:20, musicale; 9-11, WEAF; 11, dance music.
 WCAU Philadelphia, Pa. (277.6m-1080kc) 6:45 p. m. Clarence Seaman's orchestra; 7:30, Snellenburg recital; 8, Saddler'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, Farodians' dance orchestra; 11, Club Cadix revue.
 WCWS Bridgeport, Conn. (285.5m-1050kc) 8 p. m. studio program.
 WCX Detroit, Mich. (516.9m-580kc) 6-7 p. m. dinner program, Goldkette ensemble; 8-9, studio program.
 WDBO Winter Park, Fla. (239.9m-1250kc) 9 p. m. City of Sanford.
 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, Schickler quartet, WEEL, WFI, WGR; 9, Chiquet Club Eskimos, WTAM, WJAR, WTAG, WFI, WCAE, WSAI, WTAM, WGR, WWJ, WOC, WCCO, KSD, WGN; 10, Goodrich Zippers, WEEL, WFI, WCAE, WWJ, WGR, WOC, WCCO, KSD, WSAI, WJAR, WGN, WCSH, WTAM; 11, Vincent Lopez and his orchestra from Casa Lopez.
 WEAO Columbus, Ohio (293.9m-1020kc) 8:15 p. m. headliners.
 WEEL Boston, Mass. (348.6m-860kc) 6:10 p. m. Palais Royal orchestra; 6:40, Boston Globe broadcast; 7:30, musicale; 8:30-11, WEAF.
 WFI Philadelphia, Pa. (394.5m-760kc) 8 p. m. The Serenaders; 8:30, recital; 9, WFI; 10, WFI.
 WGBS New York, N. Y. (315.6m-950kc) 6:30 p. m. Vincent Sorey concert trio; 7:20, trio; 7:30, George Hall and his Royal Arcadians; 10, Curtis Institute of Musical Art hour, WIP and WGBS; 11, George Hall and his Royal Arcadians.
 WCHB Clearwater, Fla. (265.3m-1130kc) 9 p. m. Euphemia Kawassa.
 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. Ten Eyck hotel; 7:45, Syracuse university; 9, WJZ; 10-11:30, Stephen E. Boisclair, organist.
 WHN New York, N. Y. (361.2m-830kc) 6:30 p. m. Charm Club orchestra; 7, Iceland dance orchestra; 8, Will Oakland's Chateau; 9, Loew's Gates Theater Overture and Vaudeville; 9:30, Billy Day, songs and piano; 11, Swance 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, Sesquicentennial 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, WGY, WBZ will also broadcast; 10, Program; 10:30, Jack Denny's Frivolity Club orchestra.
 WKRC Cincinnati, Ohio (325.9m-920kc) 8 p. m. Swiss Garden frolic; 8:30, popular program; 9, Louisville Loons.
 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; 10, Castle Farmers; 12:15 a. m. Night Howls.
 WLWL New York, N. Y. (288.3m-1040kc) 9 p. m. Question box; 9:30, trio.
 WMAK Buffalo, N. Y. (265.5m-1130kc) 6:15 p. m. Hotel Lafayette trio; 7:30, Syracuse university; 9, musicale; 11:30, WGY.
 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.
 WPG Atlantic City, N. J. (299.8m-1000kc) 7:15 p. m. organ recital, Arthur Brook; 7:30, Hotel Morton dinner music; 9:15, Hotel Traymore concert orchestra; 10:20, organ recital; 11:20, Silver Slipper Supper club dance orchestra.
 WRC Washington, D. C. (468.5m-640kc) 7 p. m. dinner music; 8, WJZ; 8:30, bridge; 9, WJZ; 10-11, Swance syncopators.
 WRVA Richmond, Va. (256.3m-1170kc) 8:15 p. m. evening program; 11, Carry me back to Old Virginia.



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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. (645.1m-550kc) 8 p. m. program; 8:30, Standardyne 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; 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.

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.

KLDS Independence, Mo. (440.9m-680kc) 8 p. m. studio program.

KOIL Council Bluffs, Ia. (305.9m-980kc) 6:03 p. m. Skinner Mfg. company program; 7:30, Ambassadors; 8, musical, Dorothy Steinbaugh; 11, Ambassadors.

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

KSO Clarinda, Iowa (405.2m-740kc) 7 p. m. band concert.

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

KVOO Bristow, Okla. (374.8m-800kc) 7-7:30 p. m. Hawaiian music; 7:30-8, Irene Buchner; 8-9, music lovers hour; 12, American Legion frolic.

KYW Chicago, Ill. (535.4m-560kc) 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. musical; 9:30-11, Davis Baking Powder saxophone octet; 11-12, frolic.

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 Wal-

ton period; 10:30-11:15, variety hour; 11:15-12, Belmont theater gang.

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

WCFL Chicago, Ill. (491.5m-610kc) 6 p. m. talks; 7, Brevoort trio; 8, classical hour; 10, Alamo orchestra; 11-12, Alamo entertainers.

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) 7-8 p. m. Uptown theater; John Lingeman, cellist; 11, Edgewater Beach hotel orchestra; Hickey and Johnson; Rita McFawn; Cook Sisters.

WENR Chicago, Ill. (265.3m-1130kc) 6-7 p. m. Rauland trio; 8-10, All-American Pioneers, Vin Lindhe.

WFAA Dallas, Texas (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 quartet; 8-10, WEAF; 10, Sam '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 selections, Wisconsin 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; 9-10, Ukulele songsters.

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

WHT Chicago, Ill. (399.8m-750kc) 6 p. m. Al Carney, organist, violin; 7:45 (238m-1260kc), orchestra, songs; 9:30 (399.8m-750kc), Billy A. Huff, songs; 10, quartet; 12, Al and Pat.

WJAZ Chicago, Ill. (329.5m-910kc) 7:45 p. m. dinner concert; 8, Chez Pierre; 8:30, program; 9-11, Shoreland hotel; 11-12, dance music.

WJJD Mooseheart, Ill. (370.2m-810kc) 8-9 p. m. child artists; 10-11, Palmer House Victorians; quartet; 12 midnight, Knights of the Burning Candle.

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; 6:40-7:55, artists; 10:30, organist; 11-12, orchestras.

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.

WMC 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, Neb. (526-570kc) 6 p. m. Elks' organ; 9, classical program; 10, Roseland Gardens.

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

WOK Chicago, Ill. (238m-1260kc) 6-7:45 p. m. string ensemble; 8-9 (217.3m-1380kc), theater program; 9:30-12 (238m-1260kc), syncopators.

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

WQJ Chicago, Ill. (447.5m-670kc) 7-8 p. m. Rainbo Gardens orchestra; specialty; 10-2 a. m. Rainbo frolic.

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

WSBC Chicago, Ill. (288.3m-1040kc) 6:30-8:30 p. m. dinner program; 9:30-1, New Jeffrey Tavern syncopators.

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WWSW Chicago, Ill. (275.8m-1090kc) 6 p. m. dinner hour program; Terrace Garden orchestra; 8, production, the Magic Crystal; 10, popular airs; 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; 9-10, program; 10-11, Warner Brothers frolic.

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.

KGW Portland, Ore. (491.5m-610kc) 6-7 p. m. dinner concert; 7:45-8, lecture; 8-10, vaudeville.

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

KMTR Hollywood, Calif. (370.2m-810kc) 8-9 p. m. program; 9-10, Cafe Lafayette dance orchestra; 10-12, Palais de Danse.

KNX Hollywood, Calif. (336.9m-890kc) 7 p. m. organ; 8, feature; 9, courtesy program; 11, Hotel Ambassador.

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, KFH, KFOA, KFUO, KMA, KMOX, KOA, KOB, KPW, WAHG, WAMD, WEAQ, WEBJ, WEMC, WGBF, WHAD, WJAX, WMAK, WOS, WSM, WSUL, WTAM.

**FRIDAY, NOVEMBER 19
Headliners**

Eastern	Central	Mountain	Pacific
6:15 p. m.	5:15	4:15	3:15
KDKA (309.1m-970kc) String ensemble.			
7:15	6:15	5:15	4:15
WTIC (475.9m-630kc) Laura Gaudet, pianist.			
7:30	6:30	5:30	4:30
WEAF (491.5m-610kc) Raymond Maher, baritone.			
8	7	6	5
WBZ (333.1m-900kc) A. Thorndike Luard, organist.			
WCOA (252m-1190kc) Chamber of Commerce night.			
WGY (379.5m-790kc) Remington Typewriter band concert.			
WRC (468.5m-640kc) Mozart string quintet.			
WRVA (256.3m-1170kc) Festival chorus, Hampton.			
WTIC (475.9m-630kc) Garber's Artisans.			
8:30	7:30	6:30	5:30
WHAS (399.8m-750kc) Jacob Schilling's orchestra.			
WHN (361.2m-830kc) Songs and piano solos, Bon Langston and Ruth Marr.			
WLW (422.3m-710kc) Lawson and McClain quartet.			
9	8	7	6
WBAL (245.8m-1220kc) Fittz Sisters.			
WBZ (333.1m-900kc) Cecilia Benson, soprano.			
WDAP (365.6m-820kc) Ebenezer choir.			
WGY (379.5m-790kc) "Deceit," WGY players. "The Wasp," drama.			
WHO (526m-570kc) Esther Vance, pianist; Mrs. R. Evans, soprano; Robert Parker, violin-cello.			
WMAQ (447.5m-670kc) Gus Edwards orchestra.			
WTIC (475.9m-630kc) Friendly Fuller hour.			
9:10	8:10	7:10	6:10
WMAQ (447.5m-670kc) Wisconsin football dinner.			

Eastern	Central	Mountain	Pacific
9:30 p. m.	8:30	7:30	6:30
KOB (348.6m-860kc) Music department.			
WBZ (333.1m-900kc) Mysterious tenor.			
WFAA (475.9m-630kc) Reuben Davies Club recital.			
WMCA (340.7m-880kc) Norman Pearce, Batchelor poet.			
9:50	8:50	7:50	6:50
WOS (440.7m-680kc) Mrs. Lyman Farar, violinist; Mrs. F. DeQuire, pianist.			
10	9	8	7
WBAL (245.8m-1220kc) "Iolanthe."			
WLS (344.6m-870kc) Show Boat.			
WMCA (340.7m-880kc) Yorkville Radio entertainers.			
10:10	9:10	8:10	7:10
WMAQ (447.5m-670kc) Hilda Butler Farr.			
10:30	9:30	8:30	7:30
WBAP (475.9m-630kc) Will Foster, organist.			
WCCO (416.4m-720kc) Troendle four.			
11	10	9	8
KFWB (252m-1190kc) Dan Gridley, tenor.			
WMC (499.7m-600kc) Bob Miller's orchestra.			
1:30 a. m.	12:30	11:30	10:30
KGW (491.5m-610kc) Hoot Owls.			

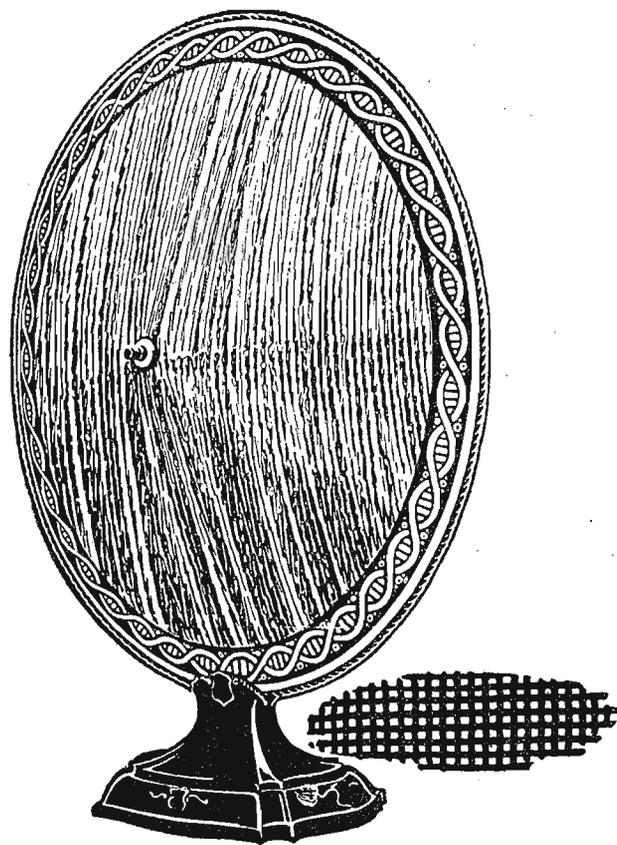
**FRIDAY, NOVEMBER 26
Headliners**

Eastern	Central	Mountain	Pacific
7 p. m.	6	5	4
WEAF (491.5m-610kc) Irwin Abram's orchestra.			
7:30	6:30	5:30	4:30
WEAF (491.5m-610kc) Caroline Thomas, violinist.			
WFAA (475.9m-630kc) Dallas Power and Light club recital.			
7:45	6:45	5:45	4:45
WGY (379.5m-790kc) Music study series, Ethel Osterhout, pianist.			
8	7	6	5
WRVA (256.3m-1170kc) Edgeworth frolic night.			
WWJ (352.7m-850kc) Michigan Night.			
8:30	7:30	6:30	5:30
WBAP (475.9m-630kc) Texas Woman's college program.			
WEAF (491.5m-610kc) Hans Barth, pianist.			
WHAS (399.8m-750kc) Operatic ensemble.			
8:45	7:45	6:45	5:45
WGY (379.5m-790kc) General Electric band.			
9	8	7	6
WCOA (252m-1190kc) Harry Davis, tenor.			
WHO (526m-570kc) Grant Anderson, violinist.			
9:15	8:15	7:15	6:15
WCOA (252m-1190kc) Frances Villar, Liltng soloist.			
9:30	8:30	7:30	6:30
KOB (348.6m-860kc) State College music department.			
WFAA (475.9m-630kc) Southland Life Insurance company recital.			
10:15	9:15	8:15	7:15
KOA (322.4m-930kc) Violin trio, piano recital. Laura Anderson, contralto.			
10:30	9:30	8:30	7:30
WBAP (475.9m-630kc) "The Mikado," opera.			
WEAF (491.5m-610kc) Greenwich Village Inn orchestra.			
WGR (319m-940kc) Raymond Hartl, tenor.			
11:30	10:30	9:30	8:30
WEAF (491.5m-610kc) Ben Bernie's Hotel Roosevelt orchestra.			
11:45	10:45	9:45	8:45
WSB (428.3m-700kc) Ray-o-Vac twins.			

**Educational Features
Friday**

Eastern	Central	Mountain	Pacific
6:30 p. m.	5:30	4:30	3:30
WNYC (526m-570kc) Elementary French lesson.			

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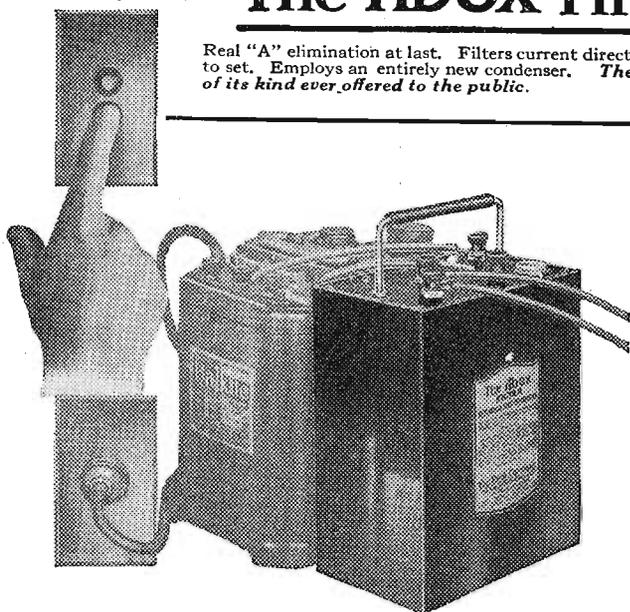
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THE ABOX COMPANY - 215 N. Michigan Ave. - CHICAGO

Eastern 7 p. m.	Central 6	Mountain 5	Pacific 4
WDAF (365.6m-820kc) School of the Air.			
WNYC (526m-570kc) Advanced French lessons.			
WOAW (526m-570kc) "Musical Appreciation," Hester Bronson Copper.			
KVOO (374.8m-800kc) Law, U. of Tulsa.			
WTIC (475.9m-630kc) Connecticut Agricultural college farm course.			
7:30	6:30	5:30	4:30
KSAC (340.7m-880kc) College of the Air.			
7:45	6:45	5:45	4:45
KDKA (309.1m-970kc) University of Pittsburgh.			
8:05	7:05	6:05	5:05
WOR (405.2m-740kc) N. Y. U. Nov. 19, "Transmutation of the Elements," Prof. H. H. Sheldon; Nov. 26, "World Politics This Month," Prof. Charles Hodges.			
8	7	6	
KOAC (280.2m-1070kc) Oregon Agricultural college. Constructive Elements of Music.			
11:15	10:15	9:15	8:15
KOAC (280.2m-1070kc) Engineering courses.			

Regular Friday Features

Eastern Time Stations

KDKA Pittsburgh, Pa. (309.1m-970kc) 6:15 p. m. string ensemble; 8: concert; 9: Teaberry time.

WAGH Richmond Hill, N. Y. (315.6m-950kc) 7:30 p. m. studio program; 8: Grebe music hour; 9: artists' recital; 10:02, popular program.

WBAL Baltimore, Md. (246m-1220kc) 6:30-7:30 p. m. dinner orchestra; 7:30-8, quartet; 8-9, trio; John Wilbourn, tenor; 9-9:30, Fitz Sisters, musical sketch; 9:30-10, string quartet; 10-11, novelty program; 11-12, Dance orchestra.

WBBR New York, N. Y. (416.4m-720kc) 8 p. m. Watchtower concert trio; 8:20, Fred Twaroschik, tenor.

WCAE Pittsburgh, Pa. (461.3m-650kc) 6 p. m. dinner music; 8, Sunday school lesson; 8:30, Burt McMurtree's hour; 9:30-10:30, WEAF, dance music.

WCAU Philadelphia, Pa. (277.6m-1080kc) 7:30 p. m. Snellenburg recital; 8, Barry O'Moore, Irish tenor; 8:30, Cohen's Jewels; 8:45, Curlox Girls; 9, Overbrook Hills Hour; 9:30, Murruring Baritone; 10, recital; 10:30, Myers' Musical Architects.

WCWS Bridgeport, Conn. (285.5m-1050kc) 6:30 p. m. orchestra; 7, orchestra; 7:30, hour of music; 8:30, sextet.

WCX Detroit, Mich. (516.9m-580kc) 6-7 p. m. dinner concert, Goldkette ensemble; 8-9, studio program.

WDBO Winter Park, Fla. (239.9m-1250kc) 9 p. m. popular program; 10:30, Newspaper trio; 11:30, jam-boree.

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, headliners; 9, South Sea Islanders, WLIT, WWJ, KSD; 9:30, La France orchestra; WEEL, WGR, WDAF, WLIT, WCAE, WTAM, WNY, KSD, WOC; 10, Whittall Anglo-Persians, WRC, WJAR, WTAM, KSD, WWJ, WCCO, WDAF, WGR, WEEL, WTAG, WCAE, WOC, WLIT; 11:30, (headliner) orchestra.

WEEL Boston, Mass. (348.6m-860kc) 7:30 p. m. Whiting Milk company; 8, musical; 9:30-10:30, WEAF.

WFI Philadelphia, Pa. (394.5m-760kc) 6:45 p. m. Adelphia dance orchestra.

WGBS New York, N. Y. (315.6m-950kc) 6:30 p. m. Bluebells of Long Island orchestra; 7:10, orchestra; 7:20, Bluebells of Long Island orchestra.

WGHB Clearwater, Fla. (265.3m-1130kc) 8:30 p. m. pipe organ, program.

WGHP Detroit, Mich. (270.1m-1110kc) 6-8 p. m. dinner concert, Hotel Miller; 9:30-10, Astingosolists; 10-11, WGHP entertainers; 11-12, Melodymakers.

WGR Buffalo, N. Y. (319m-940kc) 7:45 p. m. evening program; 9:30-10:30, WEAF.

WGY Schenectady, N. Y. (379.5m-790kc) 7 p. m. Hotel Van Curler dinner music; 7:35, staff program; 8, musical; 9, WGY players; 10, WJZ; 11, WJZ.

WHN New York, N. Y. (361.2m-830kc) 7 p. m. Freshman Masterpiece entertainers; 7:30, Sachs Quality entertainers; 8, Treasureland Home Owners ensemble; 10, Roseland dance orchestra; 10:30, Strand Roof orchestra; 11, Parody Club orchestra; 11:30, Kentucky Club orchestra; 12, 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) 7-7:30 p. m. Carling hotel dinner music; 8-9, studio popular program; 9-10, Casa de Bailé.

WJR Detroit, Mich. (516.9m-580kc) 7 p. m. Detroit Trade Expansion program; 9, studio program.

WJZ New York, N. Y. (454.3m-660kc) 7 p. m. Hotel Commodore dinner orchestra; 8, Sundial Shoe Serenaders & Bonnie Laddies; 9, Breyer Ice Cream hour, WRC will also broadcast; 10, Baldwin piano hour, WGY; 11, Paul Specht's Twin Oaks orchestra.

WLIT Philadelphia, Pa. (394.5m-760kc) 8 p. m. concert orchestra; 8:30 Salon orchestra; 9, WEAF; 10, WEAF; 10:30, Arcadia cafe dance orchestra.

WMAK Buffalo, N. Y. (265.5m-1130kc) 7:30 p. m. weather; 7:30, WGY; 7:35, WGY.

WMCA New York, N. Y. (340.7m-880kc) 6:30 p. m. Ernie Golden and his Hotel McAlpin orchestra; 8, Wanamaker's Hawaiians; 8:45, Broadway Association; 11:30, California Ramblers; 12, McAlpin entertainers.

WNYC New York, N. Y. (526m-570kc) 6 p. m. 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; 8:15, hygiene talk; 8:20, WOO tourists, WOO orchestra; 9:30, Fox theater orchestra; 10, Sesqui-centennial concert; 10:30, Sylvania dance orchestra.

WOR Newark, N. J. (405.2m-740kc) 6:15 p. m. Bill Wathey in sports; 6:30, Hotel Bretton Hall string quartet.

WPG Atlantic City, N. J. (299.8m-1000kc) 7:15 p. m. organ recital, Arthur Brook; 7:30, Hotel Shelburne dinner music; 8, Hotel Traymore dinner music; 8:30, Hotel Chelsea evening concert; 9, Hotel President dance orchestra; 9:30, Hotel Ambassador concert orchestra; 10, Garden Pier dance orchestra; 10:30, dance music; 11, Garden Pier dance orchestra.

WRC Washington, D. C. (468.5m-640kc) 7 p. m. Meyer Goldman's Hotel Hamilton orchestra; 8, musical; 8:30, WEAF; 9, WJZ; 10, WEAF; 10:30-12:30, Wardman Park hotel orchestra.

WRVA Richmond, Va. (256.3m-1170kc) 7 p. m. evening program.

WTAG Worcester, Mass. (545.1m-550kc) 8:30 p. m. program; 9:30 Belco entertainers; 10, WEAF.

WTAM Cleveland, Ohio (389.4m-770kc) 6 p. m. Jack Horwitz Collegian serenaders; 7, talk, Arthur Haas; 7:30, studio program; 9:30, WEAF; 10, WEAF; 10:30, studio program; 11, Bamboo orchestra.

WTC Hartford, Conn. (475.9m-630kc) 6:30 p. m. Hotel Bond Trio; 7:15, Laura Gaudet, organist; 10:05, Emil Hemburger's Hotel Bond orchestra.

WWJ Detroit, Mich. (352.7m-820kc) 6 p. m. dinner concert; 9, WEAF; 9:30, dance program; 10, WEAF.

Central Time Stations

KFAB Lincoln, Nebr. (340.7m-880kc) 8:30-10:30 p. m. entertainment.

KFDM Beaumont, Texas (315.6m-950kc) band.

KMA Shenandoah, Iowa (461.3m-650kc) 9-11 p. m. program, Ruby family; How Do You Do Boys.

KMOX St. Louis, Mo. (282.2m-1070kc) 6:30 p. m. dinner program; 8, Colonel 6121, 9, Do Re Mi's; 9:30, orchestra; 10, music lovers' hour.

KOIL Council Bluffs, Iowa (305.9m-980kc) 7:30 p. m. Ambassadors; 8, Harold Hughes, tenor; 8:30, Dresher Brothers, Inc.

KSO Clarinda, Iowa (405.2m-740kc) 7 p. m. popular program.

KTHS Hot Springs National Park, Ark. (374.8m-800kc) 9:10-10:45 p. m. features.

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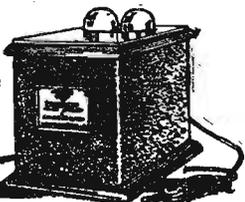
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KVOO Bristow, Okla. (374.8m-800kc) 7-7:30 p. m. Walter Schoggen, tenor; 7:30-8:30, Marie Gardner Swift; 8:30-9, Chickasaw Nightingale; 11-12, Knights of the Empty Skull; 12-1, Earl Thurston, organist.

KYW Chicago, Ill. (535.4m-560kc) 6:30 p. m. Joska DeBabary and his orchestra; 7, family hour; 9-10:30, classical concert; 10:30-12, Congress carnival.

WBAP Fort Worth, Texas (475.9m-630kc) 7:30-8:30 p. m. concert; 9:30-11, evening program; 11, musical.

WBBM Chicago, Ill. (226m-1330kc) 8-8:45 p. m. artist recital; 9-10, popular music.

WCCO Minneapolis-St. Paul, Minn. (416.4m-720kc) 6:30 p. m. St. Paul Association; 8, popular orchestra program, Nash-Finch orchestra; 9, WEAF; 9:30, headliner; 10:05, dance program, Nankin Cafe orchestra.

WCFL Chicago, Ill. (491.5m-610kc) 7 p. m. Brevoort concert trio; 8, hour; 10, Alamo orchestra.

WCOA Pensacola, Fla. (252m-1190kc) 6:30 p. m. musical.

WDAF Kansas City, Mo. (365.6m-820kc) 6-7 p. m. school of the air; 8-8:30, varied musical; 8:30-9, WEAF; 9-9:30, WEAF; 11:45-1, Nighthawk frolic.

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

WEMC Berrien Springs, Mich. (315.6m-950kc) 9 p. m. musical.

WENR Chicago, Ill. (265.3m-1130kc) 6-7 p. m. Rauland lyric trio; 8-10, All-American Pioneers; 12-2, midnight frolic.

WFAA Dallas, Tex. (475.9m-630kc) 6:30-7:30 p. m. orchestra.

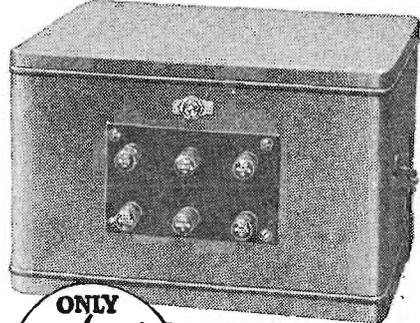
WGBF Evansville, Ind. (236.1m-1270kc) 7 p. m. Exide entertainers; 8, orchestra.

WGN Chicago, Ill. (302.8m-990kc) 6:45-7 p. m. request program, Drake concert ensemble; Blackstone string quintet; 7, The Million Sing; 7:05-7:15, Old Fashioned Almanack; 7:15, Paul Ash's show, Oriental theater; 8, musical program; 9, WEAF; 10:10, The Phantom violin; 10, Sam 'n' Henry; 10:30, The Music Box; 10:20, Bible readings; 10:30, Leon Lichtenfeld, cellist; Herbert Johnson, pianist; 10:40-11, songs, Correll and Gosden.

WHAD Milwaukee, Wis. (275.1m-1090kc) 6:10 p. m. Arthur Richter, organist; 8:30, Marquette university.

WHAS Louisville, Ky. (389.8m-750kc) 7:30-9 p. m. concert.

WHB Kansas City, Mo. (365.6m-820kc) 7-8 p. m. Sweeney orchestra; Songsters.



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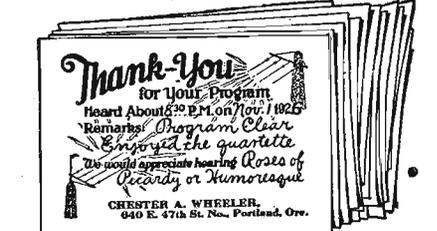
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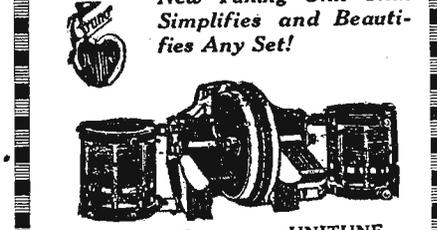


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WPG Atlantic City, N. J. (299.8m-1000kc) 7:15 p. m. organ recital, Arthur Brook; 7:30, Hotel Morton dinner music; 8, Hotel Ambassador dinner music; 8:30, "Little Journeys to the Homes of Great Musicians," Alice Sachse, pianist; 9, Hotel Chelsea concert; 9:30, Hotel Traymore concert orchestra; 10, studio program; 10:30, dance music; 11, President hotel dance orchestra; 11:30, Garden Pier dance orchestra.

WRC Washington, D. C. (468.5m-640kc) 7:15 p. m. Hotel Washington orchestra; 8:25, WJZ; 10:30, WJZ; 11, orchestra.

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; 7:15, studio program; 9, WEAF; 10, 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.

Central Time Stations

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

KFAB Lincoln, Nebr. (340.7m-880kc) 8:30-10:30, variety program.

KFNF Shenandoah, 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.

KPRC Houston, Tex. (299.8m-1000kc) 7:30 p. m. Bible class; 8, Skyline studio concert; 11, frolic.

KTHS Hot Springs National Park, Ark. (374.8m-800kc) 9:10-10 p. m. dance frolic; 10:15-10:45, Specialties.

KVOO Bristow, Okla. (374.8m-800kc) 6-7 p. m. S. S. lesson; 7-8, Gleeman; 8-9, orchestra; 12, Southern entertainers.

KYW Chicago, Ill. (535.4m-560kc) 6 p. m. bedtime story; 6:30, Joska DeBarary and his orchestra; Johnny Hamp and his orchestra; 7, Family hour; 9:10-30, classical concert; 10:30-12, Congress carnival.

WBAP 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.

WCFL Chicago, Ill. (491.5m-610kc) 7 p. m. Brevort trio; 8, vaudeville hour; 10, Alamo orchestra; 11-12, entertainers.

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.

WENR Chicago, Ill. (265.3m-1130kc) 6-7 p. m. Rauland lyric trio; 8-10, All-American Pioneers; 12-2, All-American Pioneers.

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, Henry; 10-10, Light opera period; 10, Sam; 10-11, The Music Box; 10:20, song group; 10:40-11, songs, Correll and Gosden.

WHAD Milwaukee, Wis. (275.1m-1090kc) 6:10 p. m., orchestra and vocal selections, Wisconsin hotel.

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

WHT Chicago, Ill. (399.8m-750kc) 6 p. m. Al Carney, organist; 7:45 (238m-1260kc) Stuart Dawson; 9:30 (399.8m-750kc), Brown and Craig; 12, Pat and Al.

WJAZ Chicago, Ill. (329.5m-910kc) 7:45 p. m. dinner concert; 8, Chez Pierre; 8:30, program; 9-11, Shoreland studio; 11-12, dance music.

WJJD Mooseheart, Ill. (370.2m-810kc) 8-9 p. m. Palmer House string trio; Victorians; 10-11, Victorians; Gail Bandell; 12-1 a. m. Settin' Up hour, Victorians; Jack Nelson, Gail Bandell.

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, photologue; 8:30, Chicago theater revue; 9:30, songs.

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; 10, Tracy-Brown's Oklahomans.

WOC Davenport, Iowa (483.6m-620kc) 8-9 p. m. musical.

WOK Chicago, Ill. (238m-1260kc) 6-7:45 p. m. string ensemble; 8-9 (217.3m-1380kc), program; 9:30-12 (238m-1260kc), syncopators.

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 orchestra; 10-3 a. m. Rainbo Gardens frolic.

WSB Atlanta, Ga. (428.3m-700kc) 8 p. m. Atlanta Atwater Kent hour; 10:45, Ernest Rogers' Red Head club.

WSBC Chicago, Ill. (288.3m-1040kc) 6:30-8:30 p. m. dinner program; 9:30-1, New Jeffrey Tavern syncopators.

WSK Bay City, Mich. (260.7m-1150kc) 11-2 a. m. studio program.

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; John Clark baritone; ballads, John Ude; 12 midnight, Witching hour.

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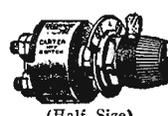


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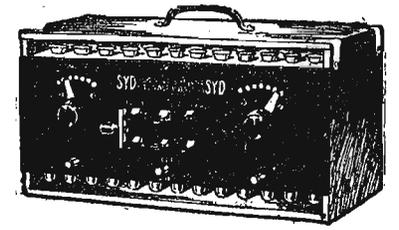
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Mountain Time Stations
KOA Denver, Colo. (322.4m-930kc) 10:30 p. m. Scheuerman's Colorado orchestra.
Pacific Time Stations
KFI Los Angeles, Calif. (467m-640kc) 7-8 p. m. program arranged by Paul Roberts, tenor; 8-9, program, L. A. Soap company; 9-10, Angulus 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.
KGW Portland, Ore. (491.5m-610kc) 6-7 p. m. dinner music; 10-12, dance music.
KHJ Los Angeles, Calif. (405.2m-740kc) 6:30-7:30 p. m. children's hour; 8-10, varied program.
KMTR Hollywood, Calif. (370.2m-810kc) 7-8 p. m. Fire and Police Depts. program; 8-9, KMTR concert orchestra; 9-10, studio program; 10-12, Palais de Danse.
KNX Hollywood, Calif. (336.9m-890kc) 7:30 p. m. features; 10, Hotel Ambassador; 11, Saturday night frolic.
KPO San Francisco, Calif. (428.3m-700kc) 6:30 p. m. States Restaurant orchestra; 9-10, Associated Packard dancers; 10-11, Cliff hotel dance orchestra.
KPSN Pasadena, Calif. (315.6m-950kc) 8-9 p. m. Star-News instrumental ensemble.

Saturday, silent night for: CFCA, KFDM, KFOL, KOA, KTAB, KUOA, KWVG, WBAL, WCAL, WCAU, WCBD, WCX, WEBJ, WEEL, WEMC, WGBF, WGPC, WGH, WGH, WGR, WHA, WHAD, WHB, WHN, WHO, WJAR, WLWL, WOL, WOS, WRVA, WTAC, WTIC, WWJ.

SUNDAY, NOVEMBER 21
Church Services

Eastern	Central	Mountain	Pacific
10 a.m.	9:30	8	7
WWJ (352.7m-850kc) First Presbyterian church.	9:30	8:30	7:30
WOS (440.7m-680kc) First Christian church.	10	9	8
WGY (379.5m-790kc) Union Presbyterian church.	11	10	9
WHAS (399.8m-750kc) Virginia Avenue Methodist church.	11:45	10:45	9:45
WIC (468.5m-640kc) Epiphany Episcopal church.	12	11	10
WLS (344.6m-870kc) Rev. Wallace Petty.	12:15	11:15	10:15
KFDM (315.6m-950kc) Episcopal church.	12:30	11:30	10:30
KTHS (374.8m-800kc) First Presbyterian church.	1:30	12:30	11:30
KFRC (296.9m-1010kc) South End Christian church.	2:30	1:30	12:30
WFO (526m-570kc) St. Ambrose Catholic church.	3:30	2:30	1:30
WMC (499.7m-600kc) St. Mary's Episcopal cathedral.	4	3	2
WWJ (352.7m-850kc) St. John's Episcopal church.	5	4	3
CHIC (356.9m-840kc) Vesper choral service, Rose-dale United church.	5:30	4:30	3:30
WEBW (267.7m-1120kc) Vesper service, choir, organ.	6	5	4
WEAF (491.5m-610kc) Orchestra concert; Frances Paperette, mezzo soprano.	7:30	6:30	5:30
WGY (379.5m-790kc) Union Presbyterian church.	8	7	6
WOC (483.6m-620kc) W. E. Slaght.	8:30	7:30	6:30
KFDM (315.6m-950kc) Episcopal church.	9	8	7
KFNF (461.3m-650kc) Baptist church.	9:30	8:30	7:30
WFAA (475.9m-630kc) First Presbyterian church.	10	9	8
WOS (440.7m-680kc) First Presbyterian church.	10:15	9:15	8:15
WSB (428.3m-700kc) North Avenue Presbyterian church service.	11	10	9

SUNDAY, NOVEMBER 21
Headliners

Eastern	Central	Mountain	Pacific
8 p.m.	7	6	5
KYW (535.4m-560kc) Chicago, Sunday evening club, Informal Bible Talk; Tales of Friendship; Clifford W. Barnes; Address, Dr. Samuel A. Eliot, Boston, Mass.; Choir of 100.	9	8	7
WCBD (344.6m-870kc) mixed quartet.	9:30	8:30	7:30
WFAA (475.9m-630kc) Little symphony orchestra.	10	9	8
WJZ (454.3m-660kc) WBZ, Irma de Baum, soprano.	10:15	9:15	8:15
WJZ (454.3m-660kc) Moriz Rosenthal, pianist.	10:15	9:15	8:15
WEAF (491.5m-610kc) "Hamlet," Shakespearean players.	12 m.	11	10
WFAA (475.9m-630kc) Cecil Dunavant Everett and Frank Wright, song and piano numbers.	12:15	11:15	10:15

SUNDAY, NOVEMBER 28
Church Services

Eastern	Central	Mountain	Pacific
10 a.m.	9	8	7
WWJ (352.8m-850kc) St. Paul's Cathedral.	10:30	9:30	8:30
WOS (440.7m-680kc) First Christian church.	11	10	9
WGY (379.5m-790kc) St. George's Episcopal church.	11:45	10:45	9:45
KFNF (461.3m-650kc) First M. E. church.			8:45

Eastern	Central	Mountain	Pacific
12 n.	11	10	9
KFDM (315.6m-950kc) Presbyterian church.	12:30	11:30	10:30
KTHS (374.8m-800kc) Central Methodist church.	1 p.m.	12	11
WMC (499.7m-600kc) First Methodist church.	1:30	12:30	11:30
KOA (322.4m-630kc) St. John's Episcopal cathedral.	2	1	
KFNF (461.3m-650kc) Swedish Mission church.	3	2	1
CHIC (356.9m-840kc) Vesper choral service, Rose-dale United church.	4	3	2
WGY (379.5m-790kc) St. George's Episcopal church.	5:30	4:30	3:30
WLWL (288.3m-1040kc) Venetian ensemble.	6	5	4
WVCA (340.7m-880kc) Ferneliff organ recital.	7:30	6:30	5:30
KFNF (461.3m-650kc) Congregational church.	8	7	6
WFAA (475.9m-630kc) First Church of Christ, Scientist.	8:30	7:30	6:30
WOS (440.7m-680kc) First Presbyterian church.	9	8	7
KFDM (315.6m-950kc) Presbyterian church.	9:30	8:30	7:30
WSB (428.3m-700kc) First Methodist church.	9:30	8:30	7:30
WFAA (475.9m-630kc) Grace Methodist choristers.	9:45	8:45	7:45
KOA (322.4m-630kc) St. John's Episcopal cathedral.			6:45

SUNDAY, NOVEMBER 28
Headliners

Eastern	Central	Mountain	Pacific
5 p.m.	4	3	2
WFAA (475.9m-630kc) Grace Methodist choristers.	7:30	6:30	5:30
WLEA (491.5m-610kc) Theodore M. Worth, baritone.	8:15	7:15	6:15
WJZ (454.3m-660kc) Marie Sundelius, soprano.	12 m.	11	10
WFAA (475.9m-630kc) Amphion male quartet.			9

Regular Sunday 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 Coffee hour; of music; 11:30, 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.
 WCAE Pittsburgh, Pa. (461.3m-650kc) 4 p. m. WEAF; 6:30, orchestra; 7:15, WEAF; 9:15, WEAF.
 WCAU Philadelphia, Pa. (277.6m-1080kc) 11 a. m. services, First Unitarian church; 5, recital; 5:15, Undenominational church services; 5:25, sermon, Rev. John W. Stockwell; 6:45, Clarence Seaman's orchestra; 7:45, Cathay Garden orchestra; 8:30, Bonwit Teller Ensemble; 10, Al Zensky's orchestra.
 WCWS Bridgeport, Conn. (285.5m-1050kc) 10:50 a. m. service; 2 p. m. Sunday afternoon concert.
 WCX Detroit, Mich. (516.9m-580kc) 7:15 p. m. Central Methodist Episcopal church.
 WEAF New York, N. Y. (491.5m-610kc) 6 p. m. orchestra; 7:20, musical program; 4, program from the Capitol theater, WEEL, KSD, WRC, WWJ, WJAR, WCAE, WTAC; 9:15, Atwater-Kent radio hour, WEEL, WGR, WRC, WVI, WSAI, WGN, WCCO, KSD, WJAR, WTAC, WCAE, WTAM, WOC, WFI; 10:15, Shakespeare.
 WEEL Boston, Mass. (348.6m-860kc) 10:50 a. m. Old South church; 2 p. m. WEAF; 7:20, WEAF; 9:15, WEAF; 10:15, B. F. Keith's theater.
 WGBS New York, N. Y. (315.6m-950kc) 4 p. m. Evening song and devotions, Church of the Transfiguration.
 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) 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.
 WIP Philadelphia, Pa. (508.2m-590kc) 9:30 p. m. concert.
 WJAX Jacksonville, Fla. (336.9m-890kc) 11 a. m. service; 8-9, 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, WBZ, WRC, WGY & KDKA will also broadcast.
 WKRC Cincinnati, Ohio (325.9m-920kc) 6:45 p. m. Walnut Hills Christian church; 10, classical program; 11:15, Louisville Loons; 12, Marie Turner; 12:15, Louisville Loons.
 WMAK Buffalo, N. Y. (285.5m-1130kc) 10:25 a. m. service; 3 p. m., WFBL; 7:50, service.
 WMCB 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. Bowden.
 WPG Atlantic City, N. J. (299.8m-1000kc) 3:15 p. m. organ recital, Arthur Brook; 4:15, community, vocal and instrumental recital; 9:15, concert orchestra; 10, Sunday evening concert.
 WSAI Cincinnati, Ohio (325.9m-920kc) 11 a. m. service; 4:5-5:30 p. m. WEAF; 7:45-10:15, WEAF.
 WTAC 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; 9:15, 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 Alexandre hotel.
KFNF Shenandoah, Iowa (461.3m-650kc) 10:45 a. m. services; 2:30 p. m. Seed House song service; 3, headliner; 6:30, Golden Rule Circle; 7:30, services.
KLDS Independence, Mo. (440.9m-680kc) 8:30 a. m. Bible study; 11, Stone church; 3 p. m. Radio church; 6:30, vespers; 9:15, studio service.
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) 8:30 p. m. church service; 9:30, evening concert; 11, Texan theater pipe organ.
KSO Clarinda, Iowa (405.2m-740kc) 11 a. m. M. E. church.
KTHS Hot Springs National Park, Ark. (374.8m-800kc) 11 a. m.-12:15 p. m., service; 9-9:45, Meyer Davis ensemble, classic hour concert; 9:45-10:30, Lawson Reid, organist; 10:30-11:30, Arkansas Traveler Radio Train.
KVOO Bristow, Okla. (374.8m-800kc) 1-2 p. m. Walter Schoggan, Doris Kintner; 5-6, Gospel hour; 6-7, Sophia Osina, pianist; 7-9, services; 12-1, Melody Boys.
KYB Chicago, Ill. (535.4m-560kc) 11 a. m. Central church service; 4:30 p. m. Edwin Harper; 7-8:30, 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 Philter Goodwin.
WDAF Kansas City, Mo. (365.6m-820kc) 3-4 p. m. Star's orchestra; 4:4-4:45, vespers.
WEBB 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 service; 8:15 p. m. chapel.
WENR Chicago, Ill. (265.3m-1130kc) 2-3 p. m. chapel hour of music; 3-4, classical program; 9:30-12, All-American Pioneers.
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 artists; 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. Turnverein 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 Little symphony; 7:30-9, Paul Christianson's Hotel Ft. Des Moines orchestra; 11-12, musical program.
WHT Chicago, Ill. (399.8m-750kc) 1-12 midnight, Paul Rader.
WJAZ Chicago, Ill. (329.5m-910kc) 4:30-9 p. m. Sunday evening concert.
WJJD Mooseheart, Ill. (370.2m-810kc) 7:45-8:45 a. m. Catholic services; 9:30-10:30, Protestant services; 1-2 p. m. Howard Peterson, organist; 2-2:30, Bible class; 2:30, Sacred song service; 3-4, popular concert; 4-5, Palmer House Sunday symphony orchestra.
WLIB Chicago, Ill. (407.5m-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, Elsie 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, Trianon orchestra, artists.
WMC Memphis, Tenn. (499.7m-600kc) 11 a. m. church service.
WOW 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. (407.5m-990kc) 5-6:15 a. m.-12:45 p. m. People's church; 5-6, musical program; 10:10, popular program; Rainbo Gardens orchestra; Jack Klein, Adelaide Kerkoff, Harry Geise.
WSB Atlanta, Ga. (428.3m-700kc) 5 p. m. sacred concert; 8, services.
WSB Chicago, Ill. (288.3m-1040kc) 5-7 p. m. Sunday concert; 9-10, concert; 10-1, New Jeffrey Tavern syncopators.
WSKC Bay City, Mich. (260.7m-1150kc) 11-12 noon 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.
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 frolic.
KGW Portland, Ore. (491.5m-610kc) 11 a. m. church; 7:30-9 p. m. church; 9-10, symphony orchestra.
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. Lela Castberg's ball hour; 7-8, Cafe Lafayette string quartet; 8-10, classical program.
KNX Hollywood, Calif. (336.9m-890kc) 6:30 p. m. Atwater-Kent orchestra.
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, CNRE, CNRM, CNRO, CNRR, CNRT, CNRV, CNRW, KFKE, KMA, KWVG, PWX, WAHG, WCFL, WDAF, WEBJ, WFI, WGBF, WGH, WGH, WHAD, WHAS, WJJD, WJR, WLT, WLWL, WMAO, WMC, WNYC, WOI, WOO, WOOD, WOR, WSMB, WRVA, WWS, WTIC.

it takes you less than one second to end microphonic howling for once and all! That's when you slip one of these live rubber "howl absorbers" over the offending tube.

McDONALD HOWL ARRESTER

remember this name! You can get it for every size tube. Just ask your dealer, or write

Sole Selling Agents for the U. S. A.
SPARTAN ELECTRIC CORP.
 350 West 34th Street, New York City
 Manufactured in the U. S. A. by Scientific Products Canada, Ltd.

Price 75 cents each
 "It Stops that howl!"

Aerials have gone out of style

IN THE old days, when radio was new, the "fan" was known by crazy festoons of wire that decorated his housetop or yard. These were the old-fashioned aerials, and no one has forgotten all the grief they caused.

Modern radio may use the hidden loop, or the short indoor aerial. But there is a better way. The Dubilier Ducon enables you to use the complete wiring system of your house without risk, and with better results than most out-door aerials give.

You simply screw a Dubilier Ducon into any lamp socket, and connect it with the antenna binding post of your set. You will find that it increases selectivity—especially in crowded neighborhoods, and will reduce "static" in the summertime.

Try a Dubilier Ducon on your set tonight. They are sold by all good dealers on five days' trial for \$1.50.

Dubilier
 CONDENSER AND RADIO CORPORATION
 4377 Bronx Blvd., New York, N. Y.

ADVERTISEMENTS PROGRAMS

(Continued from page 2)

have been helped out of a rather embarrassing situation by the decision of WCCO to buy this space. With the advent of commercial programs, newspapers faced a problem. Many of the programs were booked under a trade name. If the newspaper listed it as such, was it not free advertising?

Probably no objection would have arisen if the commercial programs had been limited to the better class of stations which selected their clientele very carefully. In many cases, however, small stations followed the lead of the large ones, but sold commercial programs to anyone and everyone who would take them, and then insisted that if the newspapers listed the sponsors of the programs on the larger stations, they were in duty bound to list those of the smaller stations.

The management of WCCO, according to Mr. Bellows, decided that it would be very good business for the station to purchase paid space to advertise its features. Not only did this serve to call the attention of a greater number of Radio listeners to these programs, but it marked the day when, to use the popular expression, stations were ready to stand on their own.

"GOODY GOODY GIRL"

(Continued from page 13)

Into Lois' mind flashed that night on the club veranda when Raymond Lancaster had told her that if ever things got too much for her—that was the way he had put it—he would come on the jump if she called.

"Give me a Chicago phone directory," she asked the chief and sat down at the desk with the dog-eared, thumb-marked volume.

Raymond was not yet home, a feminine voice told her. This was his mother. If she could take a message—Lois glanced at the number on the card in the little slot on the mouthpiece of the instrument in her hand and gave it to her, heard it repeated correctly and hung up.

"I suppose there's nothing to be done now," she began and looked around in surprise. "Why, where's Herbie?"

"If you mean your boy friend, he stepped outside," the chief replied. "He

asked if there was any charge against him and—"

The roar of a motor came to them through the open door, then the clash of gears meshing. The motorcycle man ran to the door.

"There he goes toward the city," he cried. "He's beat it and left you holding the sack, lady."

"That," said the chief, tweaking angrily at the walrus mustache, "is my idea of a yellow dog."

Lois, remembering that it was Herbie's anxiety to get some place in a hurry that was responsible for her present predicament, was not so sure. Still, he might at least have told her he was going.

Just the thing FOR YOUR RADIO SET or library table

THE NEW ELECTRIC LIBERTY BELL LAMP

An exact replica of America's famous Liberty Bell. Complete with cord. \$4.00 D. MANOOKIAN CO. Box 7629, Sesqui Centennial Exposition, Philadelphia, Pa.

NEW INFRADYNE KIT

ALL GENUINE PARTS IN STOCK NOW! WHOLESALE CATALOG Listing thousands of new radio parts, kits, furniture, 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.

CONE UNIT

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

MAKE MONEY EVENINGS

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. O. E. FISCHER, 122 W. Austin Ave., Chicago, Ill.

RADIO IN DEX

"THE TUNING BOOK" You need it. Radex gives the wave length for your dial settings, enables you to get stations you never heard before and identifies stations without hearing the announcer. Keep up to date with Radex. It's complete, compact and handy. Issued five times a year. Send \$1.00 for year's subscription or 25c for latest issue. THE RADEX PRESS P. O. Box 143, SK, Cleveland, O.

AUDIO AMPLIFICATION

FREE 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. W. McMANN 64 Church St. Dept R. D. New York City.

6 Volt STORAGE RADIO "A" BATTERY

Most amazing battery value ever offered! A genuine World-Battery with 25 ampere capacity for only \$5.11. It is just the thing for Trickle charger. Famous World Quality assured. Equipped with Solid Rubber Case An assurance against acid and leakage. Order shipped same day—subject to your examination on arrival. Extra offer: 5% discount for cash in full with order. ACT TODAY! WORLD BATTERY COMPANY 1219 S. Wabash Ave. Dept. 148 Chicago, Ill.

"It's all right," she said wearily. "Well, which is my cell?"

Why did Herbie Coles speed so? Whom was he attempting to escape? Will Raymond Lancaster come to the Goody Goody Girl's rescue? Read the First December number of Radio Digest and learn what happens to poor Lois.

Wrestling Book FREE

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.

RADIO BARGAINS

Cockaday LC26 Broadcast Receiver with tubes and power tube, but no cabinet, practically new, \$22.00. Golden-Leutz, C7 50-550 meters wonderful seven tube superhet, perfect condition, \$75.00. W. E. 540 A. W. Cone Speaker, brand new, \$18.00. Brandes Table Talker, new, \$5.00. Frank Kuhn, 6125 Woodward Ave., Detroit, Mich.

American Radio Now—50% DISCOUNT RADIO!

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-B McGee Street, Kansas City, Mo.

FOR SALE

New Improved Type 100 Watt Broadcast Transmitter Complete Perfect Working Order Write Radio Station KGCG MOORE MOTOR COMPANY Newark, Arkansas

Bradleyometer

THE PERFECT POTENTIOMETER Uses graphite disc resistors which are noiseless and not affected by atmospheric conditions. Metal parts are nickel plated. One hole mounting. Finish and knob match Bradleystat. Made in 200 and 400 ohm ratings. Allen-Bradley Co. Electric Controlling Apparatus 290 Greenfield Avenue Milwaukee, Wis.

'B' BATTERY ELIMINATOR

Only \$7.95 MONEY-BACK GUARANTEE No more worry with "B" Batteries! Hook up a Roll-O "B" Battery Eliminator and forget battery troubles forever. This wonderful new invention means better reception, sharper tuning. Gives you more real pleasure from your set. Completely Equipped—No "Extras" to Buy Operates perfectly on direct or alternating current, giving up to 90 volts current, and using the full wave of the power supply. Simple directions enclosed—anyone can plug it in to any kind of set up to six tubes. Constant voltage gives set more power. Costs no more than set of good "B" Batteries. Solidly built in beautifully finished metal case, with genuine Bakelite top. SEND YOUR ORDER NOW Don't blame your set because run down "B" Batteries won't let it work right. Order your Eliminator NOW. Write name and address on a piece of paper, pin a dollar bill to it, and mail it TODAY. Pay postman balance (\$8.95 plus a few cents postage) when he delivers your Eliminator. Use it ten days. If not more than satisfied, return it and get your money back. THE ROLL-O RADIO CO. Dept. Z-4, 3d & Sycamore, Cincinnati, O.



SANGAMO

now offers a full range of sizes in Wound Condensers

"They won't break down"

"GIVE us higher capacity condensers as good as Sangamo Mica Condensers," asked the radio set builders. We have done so. Sangamo Wound Condensers are now on the market. They have high insulation resistance and exceptionally good power-factor (or low energy loss.)

Internal air and ozone bubbles (the cause of breakdowns) are prevented by special winding processes that keep the aluminum foil and insulation under unvarying tension.

"The only condenser that stands up in eliminator service" is the comment of testing laboratories. For sturdy Sangamo Wound Condensers will stand continuous duty at their service voltage.

Table with 2 columns: Capacity (mfd) and Price. Series A: 250 volts A.C., 400 volts D.C. 1/10 mfd...80c, 1 mfd...\$1.25, 1/4 mfd...80c, 2 mfd...2.00, 1/2 mfd...90c, 4 mfd...3.00

Table with 2 columns: Capacity (mfd) and Price. Series B: 500 volts A.C., 1000 volts D.C. 1/10 mfd...\$1.25, 1 mfd...\$1.95, 1/4 mfd...1.40, 2 mfd...2.50, 1/2 mfd...1.60, 4 mfd...4.00

CONDENSER BLOCKS

SERIES A 12 mfd. tapped 8-2-2 mfd...\$ 9.50 14 mfd. tapped 8-2-2-1-1 mfd... 11.00 Also special sizes to order in quantity.

VARION Eliminator Group One 14 mfd. Block tapped 4B-4-2-1-1-1... } \$12.00 Two 1/10 mfd. series B, tapped 1/10, 1/10..... }



Sangamo Electric Company Springfield, Illinois

RADIO DIVISION, 50 Church Street, New York SALES OFFICES—PRINCIPAL CITIES

CLASSIFIED ADVERTISEMENTS

DOGS

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

PATENT ATTORNEYS

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

RADIO

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.

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

FOR SALE—Six-tube Het-Duo-Gen receiver without cabinet. Three stages audio. All good parts. Cheap. E. H. Ives, 2817 Hollywood Ave., Chicago.

LIKE NEW. FIVE-TUBE RECEIVER. Half price. Write O. Evenson, Marshalltown, Iowa.

SALESMEN WANTED

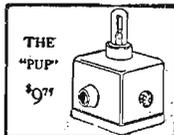
Make \$100 Weekly in spare time. Sell what the public wants—long distance radio receiving sets. Two sales weekly pays \$100 profit. No big investment, no canvassing. Sharpe of Colorado made \$955 in one month. Representatives wanted at once. This plan is sweeping the country—write today before your county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

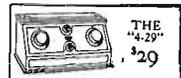
WANTED

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.

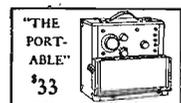
CROSLY RADIO INSTRUMENTS
Each item the utmost in radio at its price. All prices slightly higher west of the Rocky Mts.



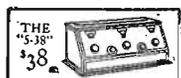
THE "PUP" \$9.75
This little double-circuit one-tube set has brought happiness to thousands and made records for long distance receiving.



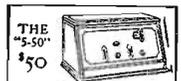
THE "4-29" \$29
A 4-tube receiver of amazing efficiency. Crescendon equipped. Everywhere considered marvelous at its price.



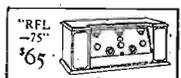
THE "PORTABLE" \$33
The 4-29 in portable form handy, compact, efficient.



THE "5-38" \$38
A five-tube tuned radio frequency set, with two stages of non-oscillating radio frequency amplification. Crescendon control, two stages of audio frequency amplification.



THE "5-50" \$50
5-tube, single drum station selector, acuminators, Crescendon, power tube adaptability, all-metal shielded chassis.



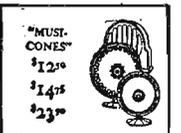
"RFL 75" \$65
5-tubes. True-cascade amplification; non-oscillating, non-radiating even under any mishandling. Its perfect balancing achieved by Wheatstone bridge in each stage of amplification. Exceptional selectivity and tone.



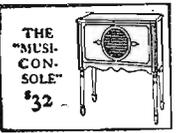
THE "5-75" CONSOLE \$75
In a mahogany console, 5-tube 5-50 receiver, Crosley Musicone built-in speaker, ample compartment for batteries.



"RFL 90" CONSOLE \$90
Introducing the double drum station selector! Includes Musicone in exquisite console. Room for batteries and accessories. 41 inches high, 30 1/2 inches wide.



"MUSICONES" \$12.50, \$14.75, \$23.50
Regular 12-inch size, \$12.50. Super Musicone, with still finer volume and tone, \$14.75. Musicone Deluxe in mahogany "clockcase," \$23.50.



THE "MUSICONE CONSOLE" \$32
Embodies the Musicone in a beautiful console of two-tone mahogany finish and provides room for batteries and accessories. 24 1/2 inches long inside.

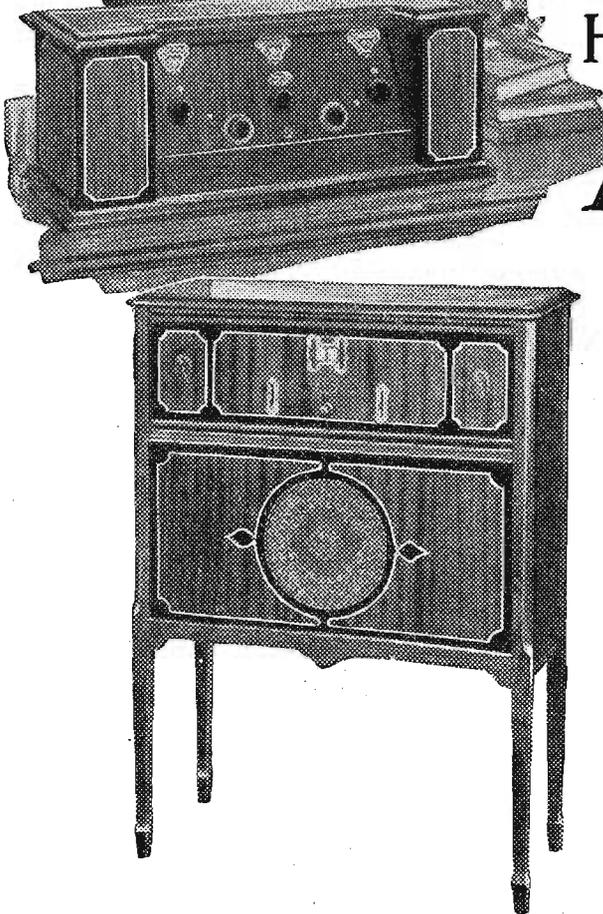
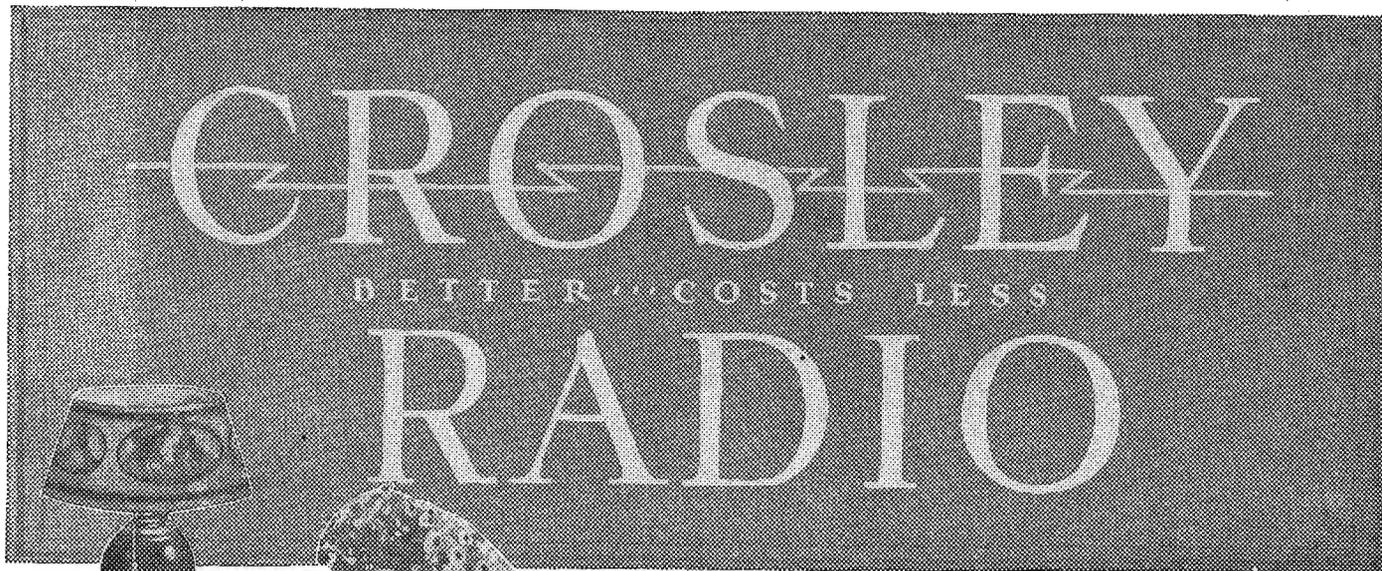


Table Model R. F. L.—75

Beautiful two-tone mahogany cabinet—High ratio vernier controlled condensers affording sharp tuning—Recessed dials behind windows—Rich metal trimmings—Power tube adaptability. Appearance and efficiency of this set are out of all proportion to its low cost—the result of Crosley mass production.

\$65

6-Tube Console Model R. F. L.—90

Double drum station selector. Mahogany drum finished in two tones. Crosley Musicone built-in. Ample space for all batteries and accessories. Powertube adaptability. Comparable in appearance to the highest priced radios, and in performance it has few equals.

\$90

Highly Selective R.F.L. models

Manufactured under Radio Frequency Laboratory License

Crosley R. F. L. sets represent the highest known development in radio receivers. They will not howl, squeal or re-radiate while tuning—no matter how inexperienced the operator may be.

They are sensitive to a degree rarely attained in tuned radio frequency circuits, cutting out nearby stations with an ease and simplicity that makes them ideal for use in congested broadcasting areas.

Persons technically initiated will instantly understand the perfection of Crosley R. F. L. sets when they realize that true cascade amplification, in addition to absolute balance, is accomplished through the use of Wheatstone bridges in each stage of radio frequency.

To this technical perfection Powel Crosley, Jr. has applied his mass production methods, with the result that nowhere else will the radio buyer find equipment that even approaches Crosley values.

The use of parts in million quantity lots, the simplification of mechanical processes and assembly, and the ownership of wood-working factories which produce exquisite mahogany cabinets at an almost unbelievable low cost, are the means employed by Crosley to make possible the highest type of radio reception at the lowest possible price.

That the public is appreciative of the excellence of Crosley R. F. L. radio sets, as well as the opportunity to enjoy them at small cost, is daily indicated by the tremendous volume of Crosley sales.

THE CROSLY RADIO CORPORATION, CINCINNATI—POWEL CROSLY, Jr.,
Crosley manufactures radio receiving sets, which are licensed under Armstrong U.S. Patent No. 1,113,149 or under patent applications of Radio Frequency Laboratories, Inc., and other patents issued and pending. Owning and operating station WLW, first remote control super-power station in America. All prices without accessories.



President
For Catalogue write Dept. 49

OUTSTANDING FEATURES OF CROSLY RADIO DEVELOPED BY POWEL CROSLY, Jr.

THE "CRESCENDON"
When, on ordinary radios, ears must strain to catch a station miles away, a turn of the Crescendon on Crosley radios instantly swells reception to room-filling volume. An exclusive Crosley feature.

ALL-METAL SHIELDED CHASSIS
This truly great radio achievement, found in several Crosley sets, furnishes a substantial frame for mounting elements, produces excellent alignment of condensers, shields the units from each other, prevents inter-stage, improves the stability of the circuit, increases selectivity and saves costs by standardizing this phase of manufacture.

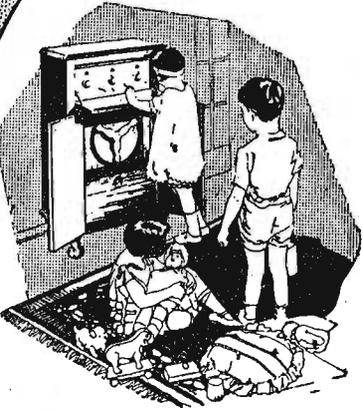
THE SINGLE-DIAL STATION SELECTOR
Nothing in radio equals the joy or the convenience of single dial control. Crosley single drum control enables you to find the stations sought without log book or "tuning."

THE "ACUMINATORS"
Crosley Acuminators provide sharp tuning where reception spreads broadly over dial, easily tune out local and bring in far stations. Ordinarily, once adjusted and they need not be touched again.

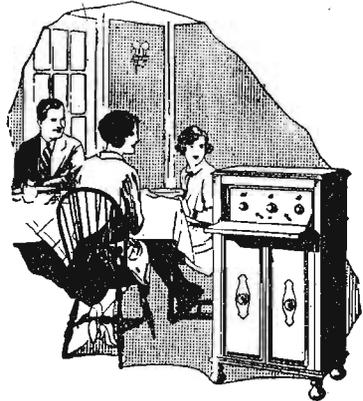
USE OF POWER TUBE
Power tube adaptability marks the Crosley "5-50", "5-75" and "RFL" sets. This feature typifies Crosley provision for best radio reception at moderate cost.

QUALITY AND BEAUTY IN CABINETS AND CONSOLES

New and Improved FRESHMAN MASTERPIECE

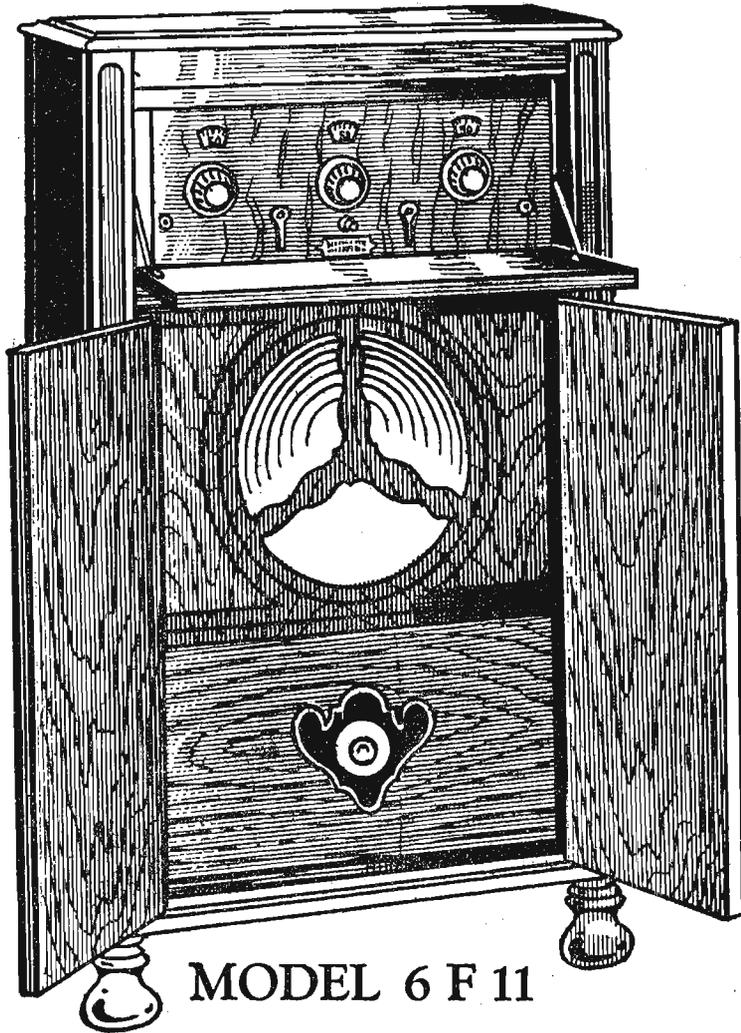


*Uses C-Battery
and
Power Tube*

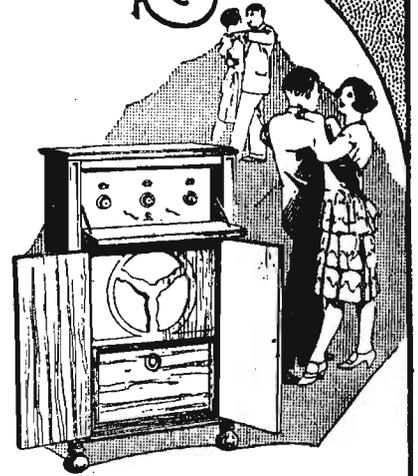


*Operates by Electricity
if you prefer*

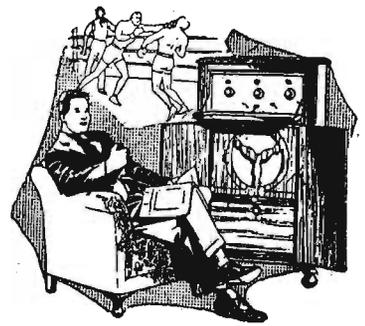
This new QUALITY set is so designed to operate from your light socket by installing the new Freshman "ABC" Power Supply.



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