

Campaign to Eliminate Interference

Radio Digest

TWICE
A MONTH

ILLUSTRATED PROGRAMS

FIFTEEN
CENTS

SECOND OCTOBER NUMBER, 1926

Reg. U. S.
Off. &
Canada

Vol. XIX No. 1



King Milo Tells How to Build Famous Karas Equamatic Set; What's New in Speakers; Announcing National Interference Survey; Football Broadcasts; Latest Air Features

1926 CUP WINNERS HAPPY AS THEY AWAIT PRESENTATIONS

Ceremony on Air October 15 from Chicago Radio Show—Earl E. May Thanks Farmers and Receives Congratulations—Four Million Votes Cast

As this issue of Radio Digest goes on the newsstands throughout the country today (Oct. 15) plans have been made for the formal presentation of the third annual Radio Digest announcer's cup awards at the Chicago Radio Show in the Coliseum.

Any deluded individual who fancies that interest in Radio has been slipping would be amply convinced of his error could he have seen the mountain of coupon votes heaped on the counting tables of the Radio Digest editorial offices in Chicago.

Total Vote Over 4,000,000
A picked staff of nimble-fingered girls was kept busy day and night for two weeks after the contest closed to count and check all the final votes to make sure that every vote was properly recorded for the person it was intended. The total votes cast exceeded 4,000,000. This was more than two million and a half in excess of the total number of votes cast in the contest held by Radio Digest in 1925, which awarded the solid gold trophy cup, uniquely designed in the form of a microphone, to Graham McNamee of WEAF, New York.

Again this year the little town of Shennandoah, Ia., came to the fore and took the prize against all the other great broadcasting stations in the United States, even as it almost did last year when Henry Field proved a close second to Mr. McNamee who had the enormous influence of the great WEAF chain.

Announce Presentation Plans
E. C. Rayner, publisher of Radio Digest, is on the program to make the presentation speech at the Coliseum today. On the platform with him will be Earl E. May, owner and announcer of KMA, winner of the gold cup; Pat Barnes, WHT, Chicago, winner of the silver cup and U. J. Herrmann, producer of the Radio World's Fairs of New York and the Chicago Radio Shows. As already announced the race was a close one. Mr. May carried the honors of almost half a million votes by a margin of only 11,523. Both Mr. Barnes and Mr. May took a phenomenal spurt at the finish which put them ahead of G. C. Arnoux of KTHS, Hot Springs, Ark., who had held the lead through the greater part of the contest. Mr. Arnoux brought in a final count of 337,502 votes which was a big gain from the previous vote recorded.

Honorable Mention for Readers
Besides the leading prize awards fifteen certificates of honorable mention are being sent to those who were in the race and stood next in order to the gold and silver cup winners. There were a total of 123 contestants in the United States and eight in Canada.

Miss Lillian Shaw will be receiving her silver cup at CKY, Winnipeg, as the winner of the Canadian announcers' contest conducted by Radio Digest since January. Her vote registered a total count of 18,935 votes. Her nearest competitor was Bert Hooper of CKCL of Toronto. The certificates will be in the hands of the winners at time of the presentation of the gold and silver prizes at the Coliseum.

Winners Very Happy
"I am glad to win the silver cup," said Mr. Barnes, after he had been notified of the reward. "My friends worked hard to win the gold one for me and our only hope is that we may be more successful next year."
Mr. May, in sending his acknowledgment to the notification of his award, said: "Please say through the Radio Digest that

I am the happiest man in the world today and I owe my happiness to their faithful interests in my behalf. The folks of the tall corn country have shown the rest of the United States what they will do to support one of their number when it comes to a national competition. Three cheers for Shennandoah! That's what makes me glad."

George D. Hay, the Solemn Old Judge, who won the Radio Digest gold cup in 1924, telegraphed his congratulations to Mr. May and said he was glad to see the cup come back to the middle west where it belonged. Graham McNamee, 1925 champion, also sent his congratulations.

WQJ Aids Waterway Project
CHICAGO. The second mammoth "Great Lakes to the Gulf Waterway" banquet was broadcast by WQJ here on Tuesday, September 28, direct from the floor of Mann's Million Dollar Rainbo Gardens. The banquet began at 9:00 p. m. and lasted through the night.

CONTENTS

Radio Digest, Illustrated, Volume XIX, Number 1, published Chicago, Illinois, October 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.

"Short Waves," by Marcella.....	2
National Survey of Radio Interference.....	3
Leaders in Announcers' Award.....	5
"King" Builds Kears Ransmalle; Part I, by "King Milo" Gurney.....	7
"Goody Goody Girl," the Thrilling Adventures of a Young Girl in a Big City, by Merlin Moore Taylor.....	9
Woman's Page; Woman's Program Index.....	11
An Evening at Home with the Listener In, a Chart in Eastern Time Telling When to Listen for Favorite Stations.....	12
What's New in Loud Speakers.....	13
Editorials; Ind-Gest; Condensed; by Diesel.....	14
Football Broadcast Schedule; New Winter Features.....	15
Advance Programs for the Larger Stations, October 15-31.....	16 to 29

Looking Ahead

WHOOZIT? Tag—You're It! Well Now Whatzit All About—This Whoozit?
You and several hundred thousand other Radio Digest readers will learn all, know all, when you read next issue, on the newsstands October 31. Thousands of dollars in big cash prizes, fame and fortune await some of you who are reading this. How can you claim it? What do you do? Ah, everybody will be doing it after November 1. Just read the next issue carefully and see what you can see.

Providing "King Milo" of Miloplex Fame Gets Well Fed by Maggie in the meantime, his next story on the DX-getting Kars Equamatic receiver should be just as amusing as Part I, on page seven of this issue. Watch for the First November number in which Part II of this constructionally valuable and laughable article will appear.

Notables You Will Meet Soon Include "Little Jack Little" and William H. Crawford. The latter does not croon ballads at you with almost player-piano-like self accompaniment like Jack, but Mr. Crawford is worth tuning many miles to hear. His specialty is interviewing the great and near great statesmen of the day, and the stories he broadcasts have more flavor and secrets in them than his articles published daily in over 300 newspapers. Here are two interviews it will pay you to await.

WRVA, Now the Voice of Richmond, Va., is very nearly a year old, and we are going to help this distinguished southern broadcaster celebrate by telling all about it in a page layout soon. We hope this will be next issue, just before the birthday, but we cannot promise definitely.

Special articles about broadcasting stations and artists, with photographs, and NON-RADIO fiction 5,000, 10,000 and 20,000 words in length as desired. No manuscript accepted unless typewritten and returned, or returned without return postage being included. 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

FINAL STANDINGS OF 1926 GOLD CUP RACE

The final standings of all who were entered in the 1926 Radio Digest Gold Cup Award follows. Canadian standings appear at the end of the American list. The holders of first and second places in the American competition will be presented with solid gold and solid silver cups respectively, both trophies being designed after the shape of the standard microphone. The next fifteen highest American contestants will be awarded certificates of honorable mention. The winner in Canada will be presented with a large silver loving cup.

Place and Name	Station	Votes
1. Earl E. May.....	KMA	452,901
2. Pat Barnes.....	WHT	341,379
3. G. C. Arnoux.....	KTHS	337,502
4. Norman Brokenshire.....	WJZ	322,299
5. The Hired Hand.....	WBAF	258,307
6. Henry Field.....	KFNP	153,783
7. Chester Gaylord.....	WTAG	116,425
8. Phillips Carlin.....	WBAF	84,379
9. Robert W. Griffin.....	WHO	51,128
10. A. S. Fynes.....	KMET	44,256
11. H. Dean Fitzer.....	WDAF	37,145
12. Peter MacArthur.....	WOC	32,392
13. C. R. Randall.....	WSME	32,094
14. Lonis John Johnson.....	WLW	31,416
15. Lester Palmer.....	WOAW	23,126
16. H. L. Tyson.....	WWJ	21,296
17. Gayle V. Grubb.....	KFAB	20,693
18. N. Dean Cole.....	WHO	18,249
19. Lambdin Kay.....	WSB	16,514
20. W. G. ("Bill") Hay.....	WGN- WLWB	16,022
21. Paul Johnson.....	WCCO	12,692
22. Maurice Wetzel.....	WOOD	12,223
23. John T. Schilling.....	WHB	8,393

(Continued on page 10)

SHORT WAVES

By Marcella
Surprise for Readers; Elusive Thelma Coombes; Norman Brokenshire's Enterprise; Twilight Story Marcella Roth; Lewis Meehan; The Game of "Whoozit"; Magnolia Blossom; Harold Palmer; Sid Jolson; Eddie Stewart; Howard "Howie" Martin; Hugh McGann; Wendell Hall and Car.

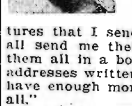
I PROMISED a surprise for you soon—and here it is. How do you like it? I'll try to give you a few "thumb nail" pictures of your favorites each time this column greets your eyes, and in this way your artist "data book" should grow even more interesting than it is now. At this time, before "proceeding with the regular program," I wish to remark that many of you would help me in locating information about the lesser known favorites if you would mention the station at which they most frequently appear. Will you—huh? Thanks.

"One of her fans" asks about the lady who sings the chorus of certain songs played by the Vanity Fair Cafe orchestra broadcast by the Stewart-Warner Air theater, WBBM, Chicago. Here's her picture, but other information is sketchy. Her name is Thelma Coombes and she plays a cello in the Vanity Fair orchestra besides singing now and then. She lives on Sunnyside avenue somewhere but is very elusive and never answers the telephone. I barely managed to get her picture by smuggling a camera into the cafe's microphone case, and snapping her as she smiled at an appreciative invisible audience. You don't believe it? Can you imagine that... my, how skeptical you are becoming.



"Kitty" wants to know what has become of Norman Brokenshire, but she wrote her letter before the first October number reached her, so she probably knows all by now. Anyone else miss the news? Norman has gone "on his own" and formed the Arrow Amusement corporation, which is to be devoted to putting on Radio productions of the highest class.

I have received the dearest little letter from Marcella Roth, the 10-year-old Twilight Story Girl of WSBM, New Orleans, befeckled, unphotographed! No, she is not a relative of mine, but I wouldn't mind boasting of her as one, would you? She writes: "I have red hair and am 10 years old. I am sending you one of my pictures that I send to my listeners. They all send me their pictures, too. I have them all in a book with their names and addresses written down. Some day I may have enough money to go and meet them all."



I hope you do have, Marcella, and I'm sure you would have a most wonderful time. And now, to the young audience of the Twilight Story Girl, I wish to announce that she is now conducting a freckles contest and giving as a prize an autographed story to each girl her picture showing every single freckle.

"J. C. G." and Helen S.: Lewis Meehan, known as the Irish tenor of the Edison studio of KYW, Chicago, is shown here in thumb nail. He is tall and slender, about six feet in height, has slightly blond hair, is about 30 years old, and single. He has just returned to KYW's Edison studio, under the direction of Morgan L. Eastman, where he again is pleasing thousands of listeners. Lewis is a native son of New Mexico, and a favorite one at that, for the governor and other dignitaries there made an official contribution toward his musical studies. During the past summer, Mr. Meehan journeyed back to Santa Fe for the Fiesta and also appeared in concert and opera at Kansas City, Albuquerque and Denver.



Hm! And a couple of hmmmms. The "Whoozit" man tells me he has a great big shock for everybody and it's to come in the first November issue of Radio Digest. From what I gather, Marcella is going to be a big help in this new and interesting game of "Whoozit" which you will learn about next time. Thousands of dollars and all that sort of thing!

The trials of Marcella are great and many. In March J. S. K. asked all about "Magnolia Blossom" of KFDM, Beaumont, Texas. Not knowing the lady, I asked KFDM. But they did not forget—no sir—just yesterday for yesterday I received—
(Continued on page 11)

RUBAIYAT REVISION INSPIRED BY COVER

AS FOR the little balloon girl on the Radio Digest cover this issue we would say with the late Omar Khayyam in his inimitable verse: "A Book of Verses underneath the Bough, Thy Toy Balloon, a String of Beads—and Thou
Beside me singing in the Wilderness— Oh, Wilderness were Paradise enough!"
And the singer in this particular instance is Miss Sophia Kasmir, recently prima donna of the Rainbo Whirl heard over WQJ, Chi-CAW-70, at "Mann's Million Dollar Rainbo Gardens." But Miss Kasmir is also known in other midwestern broadcasting studios and Radio listeners residing in the wooded suburbs round about have known the pleasure described by the poet by hearing Miss Kasmir on the air.

ASKS FOR INTERFERENCE SURVEY

RADIO DIGEST PLANS TO LOCATE TROUBLE

TO PRESENT PETITION TO HOUSES OF CONGRESS

Desire Is to Remove All Causes of Extraneous Ether Noises Before Winter Season

By Evans E. Plummer

When Herz several score of years ago first sent Radio impulses all of several feet, everything was pure and sweet in Radioland. There was not a cloud in the ether world, and such a phrase as "Radio Interference" was undreamed of. Balmly days, those—but modern life has brought its complexities!

For instance, there is prohibition, canary birds, alarm clocks, facial lifts and golf. From the experience of the writer with the latter, just the latter alone, his life, indeed, has proved itself to be very complicated.

No More Sanitary Radio Programs

So what can we expect of Radio, long graduated from the days of Professor Hertz? How can we honestly look for nice, sanitary Radio programs, all wrapped in individual packages and untouched by human hands, ready to serve from the loud speaker without further preparation? Yes—how can we, when we have several hundred broadcasting stations all trying to give assorted programs with considerably different merits but all on the same wave length at the same time? The answer is, "Let's abate the smoke evil."

Electric refrigerators and oil burners of certain types, some elevators, Cottrell precipitators, electric generating stations, high tension electric lines, electric cars, arc lights of sorts, a familiar brand of electric heating pad, X-ray laboratories—halt, let us add no more—are doing their bit to make the ether unsafe for democracy and a fit place for a regiment of New York traffic cops to take their morning setting-up exercises.

Speaking of Attorney Generals

By now we hope to have convinced you that there is something doing in the air. If not, we will remind you of the U. S. Attorney General's decision which knocked the 1912 Radio law into a bunch of mumbbling and decrepit words. Now the Attorney General, whose official business it is to bust a perfectly respectable and time-honored law on the bezer and give it the count of ten, some months ago told all the boys who wanted wave lengths or licenses or better wave lengths, that the 1912 law was as good as something like that, and that all they had to do was grab a wave length and turn on the phonograph.

It is very evident that the Attorney General has never invested over thirty cents in a Radio receiving set.

Fill in the Blank Below

And now, with winter coming on and distant stations heterodyning (Egyptian word meaning "tangling") to the detriment of the Radio listeners' ears) from Podunk, Maine, to Squedunk, Calif., we have nothing more to say, except that it is too bad we don't get a chance to vote for and against Attorney Generals.

Maybe you think I am trying to be funny. Hmhmhmhm, you should hear me talking to myself as I twist the dial! I must give up either Radio or my morals. Now the object of this and story is to be told. Radio Digest is taking a National Survey of Radio Interference. The blank to use in telling all about your worst symptoms is printed right down in the corner of this page. On the mark, get set, go!

Petition to Go to Washington

Incidentally, newspaper editors wishing to collect a few of these blanks for Radio Digest and help this publication find out what got into the ether after Mr. Hertz started putting things there, are at perfect liberty to reproduce this blank and tell their readers all about it.

But seriously, Radio Digest earnestly solicits your help in tracking down interference. Won't you spend a few minutes in filling out the blank and mailing it to this magazine at 510 N. Dearborn St., Chicago? Good, I knew you would—and, as a result, I'm going to have the five million blanks all bound in a great big book as large as a mail order catalogue, and then chain it around the Attorney General's or Mr. Herbert Hoover's or somebody's neck down in Washington.

Safety Rules for Receivers

WASHINGTON, D. C.—A booklet on "Safety Rules for Radio Installation" has just been issued by the bureau of standards. It goes into every phase of the work and the rules were formulated and approved by a committee organized according to the procedure of the American Engineering Standards committee.

ENGLISH BLONDES PREFER AMERICA



All kinds of gentlemen may prefer blondes, but Eva Sirwell, English damsel with flaxen hair, says she prefers America to Piccadilly. One reason is that she has found her success here as a popular jazz singer. As such she has sent her beautiful trained soprano voice many times over the microphone of KMOX, the "Voice of St. Louis," and over other stations in many parts of the country.

MILLING MOB MAKES NEW SHOW RECORDS

VAST THRONGS AT CHICAGO RADIO EXPOSITION

Women Display Great Interest—Station Artists Appear in Person—Crown Champion Lady Listeners

CHICAGO.—The milling, seething crowd awkwardly snaking its way about the 300 exhibits at the Chicago Radio show, now on at the Coliseum, are mute and indisputable proof that the 1926-27 season is to the greatest in the history of broadcasting.

Attendance records, thought big last year, are falling daily by the wayside. Women predominate—the lady of the house wants a nice-looking receiver for her parlor, and the kind of a set she can operate without trouble.

The exposition exceeds in size and scope even the immense Radio World's Fair in New Madison Square Garden, which was visited by 220,614 persons during the week of September 13.

All the latest devices in Radio apparatus, including much that was not ready for the New York exhibit, is being shown at the Chicago Coliseum, and feature events of national and international importance are scheduled.

Crown Champion Lady Listeners

The champion among the women of American in reception of long distance stations was awarded a silver trophy on the opening night. She is Mrs. Flossie E. Erickson of Bloomington, Ill., who has tuned in 326 stations, many at 2,000 to 4,000-mile range. She also received another silver cup for winning second prize in the annual Radio Queen contest for her essay on the service broadcasting is rendering to the women of America. Mrs. Lotta Harrauff of Princeton, Ill., the Radio Queen, was here in person to congratulate her.

Mrs. Erickson told the invisible audience how she meets with such success in Radio. For one thing, she uses eight different aeriels, and has several kinds of receivers.

All in all, an enchanting picture unfolds itself to the thousands of visitors attending each day and night. The Coliseum is decorated lavishly, with multi-colored lights at every corner, and just below the ceiling and around the sides are hundreds of yards of bunting in a color scheme to conform to the general decorative effects of the booths.

The staffs and artists of the Chicago stations are holding receptions at the show and meet in person the fans who up to the time of the exhibition have had no chance to greet their favorites.

NATIONAL SURVEY OF RADIO INTERFERENCE

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

Radio Digest
Illustrated PROGRAMS

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 (Strike out descriptions not applying)

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 } { miles } of a Cottrell precipitator (smelters are often equipped with these devices), electricity generating station, high tension electric lines, X-ray laboratory, arc lighting system, sanitarium

using many electric heating pads, or I do don't 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 is not investigating Radio interference. The name of this club (or name of member of the committee) is:

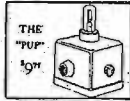
and the address is: (Street and number or R.F.D.)

City and State:

8. My own name is: and my address is: (Street and number or R.F.D.)

City and State:

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



THE "PUP" \$19
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.



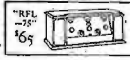
THE "PORTABLE" \$33
The 4-29 in portable form handy, compact, efficient.



THE "5-38" \$38
A five-tube tuned radio frequency set, with two stages of non-oscillating radio frequency amplification, 4. 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.



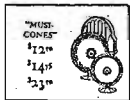
"RFL-75" \$65
5-tubes. True cascade amplification, non-oscillating, non-radiating even under any mis-handling. Its perfect balancing achieved by Wheatstone bridge in each stage of amplification. Exceptional selectivity and tone.



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



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



"MUSICONE" \$12.50, \$14.50, \$22.50
Regular 12-inch size, \$12.50. Super Musicone, with still finer volume and tone, \$14.50. Musicone Deluxe in mahogany "clockcase," \$22.50.



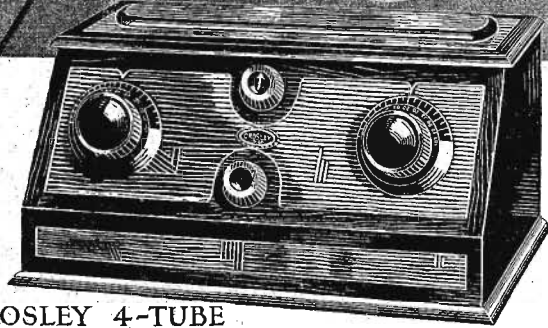
THE "MUSICONE" CONSOLE \$32
Embodies the Musicone in a beautiful case of two-tone mahogany finish and provides room for batteries and accessories. 24 1/2 inches long inside.



PAY ONLY

\$29

for **THE CROSLLEY 4-TUBE 4-29 MODEL and ~**



"Listen to Everything"

HERE IS remarkable performance at very low cost. This little set amazes owners the country over by its range and the quality of its reception.

It is a most ingenious arrangement of regeneration, blocked against re-radiation by a stage of radio frequency amplification, with two stages of audio amplification to afford ample volume on the loud speaker. The Crescendon enables operators to build up weak signals to room-filling strength.

The Crosley 4-29 has thousands of enthusiastic owners, located

amid various conditions of radio reception.

The many unsolicited letters received indicate its great efficiency and satisfying qualities.

The price is possible only through Powel Crosley Jr.'s program of great production. Like all other Crosley models, this set is built in tens of thousands of quantities, reducing unit cost tremendously.

The 4-29 model is an excellent value—efficient, low in price, carefully made, compact and easy to operate. The cabinet is finished in beautiful two-tone mahogany. Price does not include tubes and accessories.

THE CROSLLEY RADIO CORPORATION, CINCINNATI—POWEL CROSLLEY, Jr.,

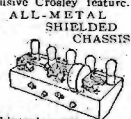
Crosley manufactures radio receiving sets, which are licensed under Armstrong U.S. Patent No. 1,113,149 or under patent applications of Radio Frequency Laboratories, Inc., and other patents issued and pending. Owning and operating station WLV, first remote control super-power station in America. All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



President
For Catalogue write Dept. 49

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

THE "CRESCENDON"
When, on ordinary radios, extra 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 interference, 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 dial 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.

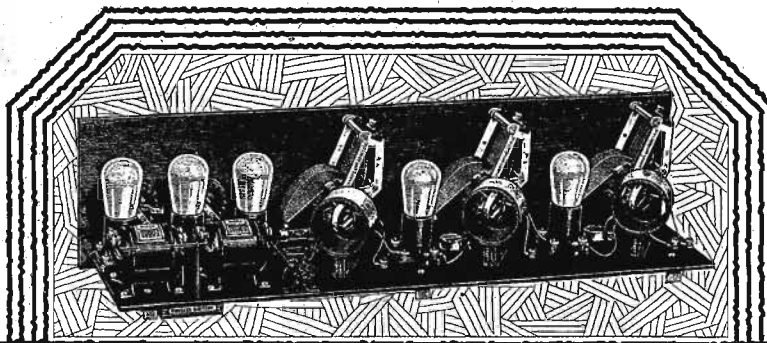
QUALITY AND BEAUTY IN CABINETS AND CONSOLES

Leaders in Announcers' Award



ABOVE are the fifteen announcers in the 1926 Radio Digest Gold Cup Award who won Honorable Mention Certificates. In the order they finished, they are: 1. G. C. Arnoux, KTBS; 2. Norman Brokenshire, ex-WJZ; 3. The Hired Hand, WBAP; 4. Henry Field, KTNF; 5. Chester Gaylord, WTAG; 6. Phillips Carlin, WLEF; 7. Robert Griffin, WHO; 8. A. S. Kyme, KMMJ; 9. H. Dean Fitzer, WDAF; 10. Peter MacArthur, WOC; 11. C. R. Raudall, WSMB; 12. Louis John Johnen, WLW; 13. Lester Palmer, WOAW; 14. E. L. Tyson, WWJ; 15. Gayle V. Grubb, KPAB. Girls counting last mail in contest, at left, and Pat Barnes float in Milwaukee pageant, right. Complete standings with votes are in another column. The presentation of gold and silver cups to May and Barnes, respectively, is being made at Chicago Radio Show.





The Karas Equamatic Five Tube Sensation!

Equamatic System Licensed
Under King Patents
Pending

The Wonder Circuit That Is Featured in This Issue of Radio Digest

The entire Radio world is discussing the new Karas Equamatic wonder circuit—the sensation of Radio—that is being featured in this and succeeding issues of Radio Digest.

The Karas Equamatic is a sensationally different circuit—something entirely new and automatic in Radio—a five tube receiver that does more than most six or seven tube sets can possibly do.

This marvelous new invention actually accomplishes what Radio engineers heretofore have sought in vain to achieve: An automatic, simple and highly efficient system of coupling by means of which there is obtained a continuous practical maximum and an absolutely equal transfer of energy between primary and secondary inductances at all wave length settings of the dials.

Read about the Karas Equamatic in the editorial pages of this issue of Radio Digest. Learn about its super-selectivity—its unbelievable sharpness—its clear, pure, crystal-like and powerful signal—and its unsurpassed volume. Experts have told us that it has the selectivity of a super-heterodyne—the sensitivity of a regenerative set—and the purity of tone of a crystal detector. They have marveled at the quality of its tone—at the miracle of its automatic tuning—and the efficiency of the various parts of the circuit.

How These Results Are Accomplished

The primary coils of the Karas Equamatic Inductances are mounted on the extended shafts of the Karas Orthometric Condensers, so that as the condenser dials are turned the primary coils provide a properly increased amount of inductance for every successively longer wave length setting of the dials. This variation of inductance between primary and secondary coil is kept in exact, ever-varying step with the variation of the capacity changes of the variable condensers. In the Equamatic Receiver it thus becomes possible for the first time to have all of the tubes operating at the very peak of their efficiency—just below their oscillation point—at EVERY wave length setting. In no other receiver or hook-up has this same feat been accomplished.



Karas
Micrometric Dial

Takes All of the Guesswork Out of Tuning

The Karas Equamatic takes all of the guesswork out of tuning. Its positive, automatic action provides the absolutely exact amount of coupling—at every wave length setting—necessary to deliver to the secondary coils exactly the amount of energy required to cause the tubes to operate constantly at their highest efficiency.

Think of being able to vary the coupling automatically, and at a rate that keeps the tubes always operating at 100% efficiency! Think of a set which entirely eliminates the overlapping of electrostatic and electromagnetic fields, with their harmful broadening and distorting effects! Think of being able to build such a receiver yourself, in a few hours of your spare time, and without as much difficulty as building an ordinary 4-tube set.

The Equamatic Is Easily and Quickly Built

The construction of a Karas Equamatic 5 Tube Wonder Set is so simplified by means of Karas panel and subpanel layouts, Karas parts and the Karas manual of complete instructions and wiring diagrams that you can easily and quickly build this receiver. There are no delicate or complicated adjustments—no hard stunts in wiring the Equamatic. Even though you may never have built a Radio set before in your life you can build the Equamatic and get from it exactly the same results as though it had been built for you by the most expert set-builder.

We include a complete manual of simple diagrams and instructions with every set of Karas Equamatic Inductance Coils. These show where every part is placed—how to make every connection—and tell the complete story of the wonderful Equamatic Circuit.

To build one of these wonder sets you will need the Karas parts listed on the attached coupon, plus other standard parts easily secured anywhere.

Order From Your Dealer or Direct From Us

All of the parts for the Karas Equamatic are carried in stock by reliable dealers in most cities. If your dealer happens to be out of stock, and you are in a hurry, you may order the Karas parts for this receiver direct from us by using the coupon at the right. If you order from us, SEND NO MONEY! Just fill out and mail the coupon and when the Karas parts are received hand the postman the price of these parts plus a few cents postage.

Order Today—Start Building Your Set at Once

Here is the Radio set you have been waiting for. It is the set Radio engineers have been searching for. You will want to have one of the first Equamatic receivers in your neighborhood. Don't delay! See your dealer today, or mail the coupon NOW!

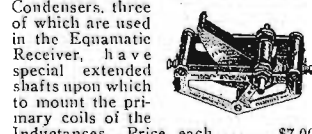
Essential Parts of the Karas Equamatic Sensation

Karas Equamatic Inductance Coils



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.

1077 Association Bldg., Chicago, Illinois

Please send me a 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 \$50.20, 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.....

When cash is sent with order we prepay carrying charges

KARAS ELECTRIC COMPANY

1077 Association Building
CHICAGO

"King" Builds Karas Equamatic

BROTHER—I've found sumthin! A circuit so old, except for a couple of duijggers, that my girl friend, Maggie the cook, called it the Super-Zero. I'm saying she did until I threw the second dial into high gear and California breathed in with a "Good Evening Everybody" or whichever they say in California. From that moment on, until I hustled her to bed for fear the milkman on his morning rounds would think she had just returned from a party where "a good time was had by all," that culinary dial hound covered every part of the United States worth covering.

Stallions came in which I had leaured were on totally silent night schedules; that is, they were sure silent on the Whatzit I had been using. When I dared to opine that I felt a trifle more C-battery bias would be desirable toward compensating for the extra B battery drain the was hours were pulling, my darling of the dishpan refreshed my memory through casually mentioning, "You worried me for better or worse—and if you desire to avoid the 'worse' part, then keep your technical mitts offa this. I'm telling you this is one receiver which brings to me messages and sweet music from afar an' you haint agoin to mess it up."

Aw—right, aw—right, and neighbor, the above is a true and authentic report of the proceedings between said technical man and one Maggie the cook covering the introduction of the Karas Equamatic Circuit sensation to Her Highness by his lowness.

CIRCUITS may come and circuits may go, but cooks go on forever. Howsomever methinks the prospects of my eating three squares each and every day have been materially enhanced through bringing this baby home and agreeing that Mag could have it for "her very own." It is some receiver—some circuit, and so fundamentally sound that it's well worth building by everyone who has patiently waited for a real "go getter."

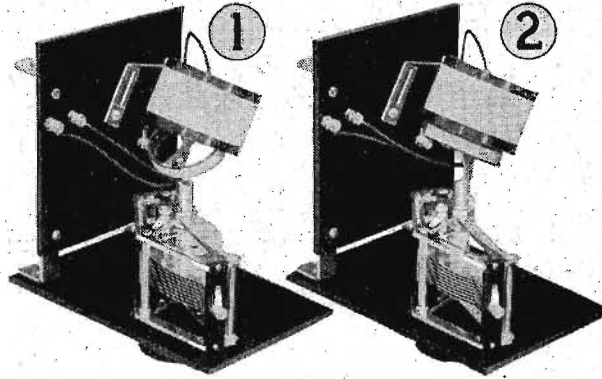
You have wanted volume, distance with a punch, selectivity. Here 'tis. You've wanted a circuit that would bring you up just under the point oscillation and let them roll in on the low wave lengths—that would step into the picture and not forget its volume when up on the long waves. The Equamatic does all of this and in a manner so smooth, so entirely free from distorted bluh that I don't blame Maggie a darned bit tipping me off to the fact that Radio was "Something" when one could have a performer like that.

Any Radio circuit that will keep her up seven minutes past her beauty sleep schedule has to go some. As for me—well, I stayed up for financial reasons just to see that she didn't start out a ton of telegrams telling the wide world that they were "coping in fine." Far be it from me to write more than 65 words of praise about anybody's circuit, except my own, of course, unless there is a big reason coupled with a bang-up new idea hidden some place in the hook-up. Merely making a statement without telling why it performs so wonderfully well is a good deal like hunting for a black cat in a dark cellar when your darned sure it isn't there. There are so many "best" circuits hovering around the Radio horizon that it really becomes a pleasure to have the privilege of telling the "Why's" of the Karas Equamatic.

IT IS a good circuit. A simple tuned Radio frequency cascade-coupled job But—with all of the bugs carefully taken out of it. Louis G. King of Brooklyn, N. Y., is sponsor for it, and has licensed the Karas Electric Company as sole licensees for its manufacture. It works, and works a whole chunk better than ordinary human beings expect today's receiver to work. The expert experimenter, once he grasps the idea back of its goodness, is going to yell because he didn't think of it first. That's a fact, because Maggie told me that if I had

PART I, Wherein a Famous Radio Character Returns to Tell His Many Friends How to Make a Selective DX Getter That Goes Out and Pulls Them in

By "KING MILO" GURNEY



brains instead of a brain cell, I could have had the glory and perhaps money enough to buy her something aside from necessities (the starving kid).

I have not had the pleasure of meeting Mr. King. In truth I am not so sure that I care to. Not but that he is a very fine

chap, but my past experience with the word "King" in my household didn't get me over so well. Maggie, the Queen, seemed to be the domino ace and I'm saying, "They is wise hubbles who know enough to not bring up the past."

But getting back to this little wonder

of Radio. Playing "Silent Night," just because your receiver would break into oscillation on the low wave lengths, and solitaire, because you could not get any volume on the high ones, was fast becoming a habit in place of a theory. Engineers finally beat both of the games, either by inserting lossier devices in the grid input of the tube, its plate or filament return. Another army broke into print with compensators. When—lo—out of the maze came a man who had never heard that it was impossible to do other than compromise and let it go at that; a man who had heard someone say that this and that just could not be done—so he went ahead and did it. That's what the Karas Equamatic circuit is—the doing of something that everyone said could not be done.

YOU couldn't possibly be interested because it is so ridiculously simple. You surely wouldn't care a rap to build it, because your friends would all flock in to hear it and mess up the polished hardwood floors. However, upon second or third thought, Maggie may have some of her 8,000 friends patiently waiting for a real receiver which they can build, so here goes, not only for a detailed explanation telling "Why" it's a real circuit, but also how to build it and make it talk to you from the far away places. Where men are men and women are governors, as the Hired Hand says.

The object of the circuit arrangement invention is to provide a continuously equal transfer of energy between the primary and secondary of a Radio frequency transformer at all wave length settings between 200 and 600 meters. Obviously the amount of energy to be transferred is to be at all times the practical maximum. This is accomplished with an ingeniously arranged primary which is located upon the shaft of the variable tuning condenser of each radio frequency transformer, and rotatable with the condenser in direct ratio to the amount of inductance required for each wave length channel.

It is well known, that is, Maggie says you ought to know, that a primary of very few turns is required for a sufficient transfer of energy from primary to secondary when operating upon the lower wave bands. However, as we pass on into the higher wave lengths a greater number of turns upon the primary become necessary. This fact is based upon the law that the impedance of a tube varies with the frequency which it is passing, and, further, the law that likewise the amount of energy transferred from primary to secondary varies with the impedance. These laws, then, have prevented circuits employing fixed primaries from functioning at maximum efficiency over the entire broadcast band (200-600 meters).

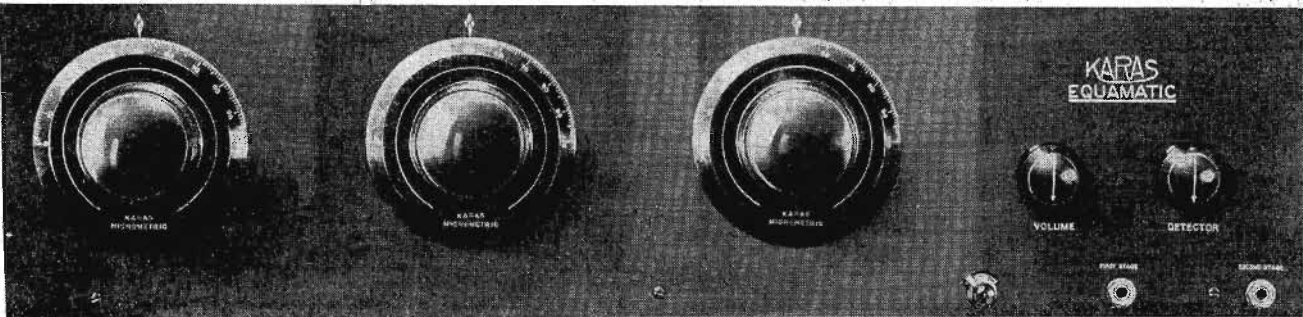
A compromise number of turns on the primary has had to be used, and these primaries therefore were only fully efficient at a given wave length or the designer was compelled to resort to the incorporation of "lossier" devices. These are generally effective toward keeping the circuit from breaking into oscillation upon the lower frequencies but did not provide a solution toward securing the desired maximum transfer of energy at the higher wave lengths. Breaketh the dawn? In addition, loss devices in the form of non-inductive resistances are, as their name implies, purely resistances which are inserted in the grid circuit and materially broaden the tuning of the circuit.

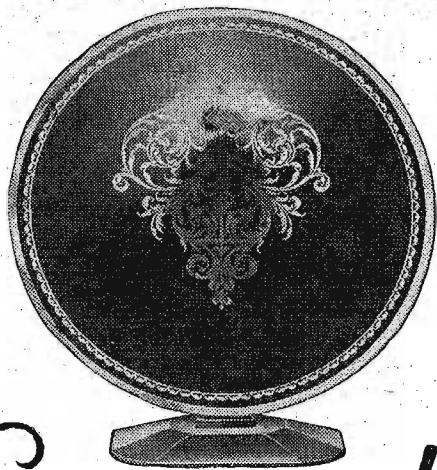
WITH the Karas Equamatic system, no lossier device of any character is employed. A big, husky 14-turn primary is used. It is well sufficient to furnish the desired energy transfer on the higher wave lengths. On the lower wave lengths where large primaries would wreck reception through causing tube oscillation to be set up, the variable feature of the primary comes into play and value. Operating entirely automatically, as one turns the dials of the condensers in

(Continued on page 30)

LIST OF PARTS

3 Karas Equamatic R.F. Trans. @ \$4.00	Karas Elec. Co., Chicago, Ill.	\$12.00
3 Special Karas Orthometric Extended Shaft .00037 mfd. 17-plate Condensers @ \$7.00	" " " " "	21.00
3 New Karas Micrometric Vernier Dials @ \$3.50	" " " " "	10.50
2 Karas Harmonik Audio Trans. @ \$7.00	" " " " "	14.00
2 Karas Equamatic Retard Coils @ 1.00	" " " " "	2.00
3 Karas Equamatic Sub-panel Brackets	" " " " "	.70
1 Karas Equamatic Drilled and Gold Engraved from Panel 7"x28"	Formica Insulation Co., Cincinnati	6.80
1 Karas Equamatic Completely Drilled and Engraved Sub-Panel 6"x27"	" " " " "	4.69
1 Carter "Imp" 10-ohm Rheostat with Dial (Gold)	Carter Radio Co., Chicago, Ill.	1.50
1 Carter "Imp" 20-ohm Rheostat with Dial (Gold)	" " " " "	1.50
1 Carter No. 104 Interstage Phone Jack (Gold) for First Stage Audio	" " " " "	1.05
1 Carter No. 101 Open Circuit Phone Jack (Gold) for Second Stage Audio	" " " " "	.75
1 Carter "Imp" Battery Filament Switch (Gold)	" " " " "	.75
1 Sangamo .00025 mfd. Fixed Condenser with Grid Leak Clips	Sangamo Elec. Co., Springfield, Ill.	.50
1 Anso 2-megohm Grid Gate	Amsco Products, Inc., New York	.45
2 Radiall No. 1-A Amperite 6-volt Resistors with Mountings @ \$1.10	Radiall Co., New York	2.20
1 Eveready 4½-volt C Battery	National Carbon Co., New York	.60
1 Jones Multiplug with Mounting and 8-ft. Cable	Howard B. Jones, Chicago, Ill.	4.50
5 Benjamin U. X. Cushion Sockets @ \$0.75	Benjamin Elec. Co., Chicago, Ill.	3.75
1 Electrad .0025 mfd. Fixed Condenser	Electrad, Inc., New York	.40
1 Electrad 1-mfd. Bypass Condenser	" " " " "	.90
Binding Posts, Screws, Spaghetti, Bus Bar, Lugs, etc.	" " " " "	1.00
Total Cost.....		\$91.54





Ec-centric!

the new SAAL CONE
gives scientific reproduction
of ALL tones

Ec-centric construction—you have never seen it before in a radio speaker. It is the newest scientific development in cones. But it is based on the oldest musical principle—that of the melodious harp.

In the harp [as in the piano] long strings produce deep, low vibrations; short strings, the high notes.

For the first time in radio the Saal Ec-centric Cone speaker—with its center literally "off center"—provides these exact relative proportions of vibrating area for high and low notes—giving perfectly realistic, scientific, all-tone reproduction without unnecessary size. A cone built on musical as well as mechanical principles. Permitting a price never before possible in quality speakers.

Drum or barrel tone is completely eliminated by Ec-centric construction. Operates perfectly with or without a power amplifier. The instrument is beautifully embellished with scrollwork medallion and border design in gold. Examine the adjoining diagram, then hear the Saal Ec-centric. A permanent investment—built for a lifetime. Write for descriptive literature. Saal cones are fully protected by patents.



Side view of Saal Ec-centric Cone in comparison with the harp. Note the relation of short and long sides, giving proper vibrating area for both extremes of sound.
Saal Ec-centric Cone
Height 22 inches

\$25

Junior Cone Model
Height **\$15**
16 in.
Slightly more
West of Rockies

H. G. SAAL COMPANY
1800 Montrose Avenue
Chicago, Illinois

SAAL

WORLD FAMOUS MAKERS OF HORNS · CONES · PEDESTALS

Many a "radio evening" depends on this moment



THE moment you pay for a radio battery, you pay for something more than "just a battery." You are investing your money in many evenings of radio pleasure . . . or disappointment. You must get a battery that will give you trouble-free service and good, clear radio reception.

Prest-O-Lite Storage Batteries, made especially for radio use, have back of them more than twenty years of manufacturing experience. They are honestly made from the finest materials.

When you select a Prest-O-Lite "A" or "B" Storage Battery you are certain of getting real battery value. You are certain of getting batteries that can be depended upon to deliver their rated ampere-hour capacities.

Prest-O-Lite Batteries are attractively priced from \$4.75 up. There's a Prest-O-Lite dealer near you.

THE PREST-O-LITE CO., INC.
INDIANAPOLIS, IND.
New York San Francisco
In Canada: Prest-O-Lite Company of Canada, Ltd.
Toronto, Ontario



Designed especially for radio

Prest-O-Lite

STORAGE BATTERIES FOR
MOTOR CARS AND RADIO

GOODY GOODY GIRL

LIGHTS were out and Lois listened with thumping heart at the door of the room where her stern and unrelenting stepfather, Phineas Blair, had gone to bed. Sounds of deep and regular breathing from the shadows told her that he was fast asleep. A moment later with a heavy grip in her hand she was passing through the gate of the little farm yard and on her way to the town of Paradise and a train that in the morning would take her to the home of a friend in Kaneville.

She trudged along the dark road stumbling over the unseen ruts when suddenly the headlights of an automobile spread a glare over her. She hid in the bushes at one side. But Herbie Coles, a neighbor she had never liked, stopped the car, got out and found her. He almost compelled her to enter the car and offered to take her to town. "But you must pay with a kiss," he said. She answered with a sharp slap on Herbie's face and jumped out of the machine. He called her a "goody goods" girl as he threw her suitcase after her.

Dawn was breaking as Lois wearily approached the platform of the railroad station. In the dim light she saw old Phineas striding up and down waiting for her. She ran behind a train that had just pulled in on an opposite track and was helped aboard by a young man who introduced himself as Raymond Lancaster. Exhausted she accepted the hospitality of his state room and in a few moments had dropped into a dead sleep. She was awakened by Lancaster shaking and calling to her. She had passed the junction that would take her to Kaneville and was told that it would be necessary for her to continue to Chicago.

Lancaster confessed a case of "love at first sight." While she half heartedly repulsed his advances there was a knock on the door. Lancaster admitted Mrs. Mildred Gayton whom he introduced to Lois with some incoherence of reluctance. Mrs. Gayton quickly gained the confidence of the girl and took her in charge. She met Mrs. Gayton's companion, Neil Becker. Arriving in Chicago, Mrs. Gayton took Lois to her menage in a luxurious apartment near Lincoln Park. At a party given the following evening Lois tasted champagne, unknowingly, for the first time and was shocked by familiarities attempted by Becker on the dance floor. Then she saw Lancaster at another table.

CHAPTER VI

The Cabaret

LOIS felt steadied somehow, as if a strong hand had caught her in the act of falling. That peep behind Neil Becker's mask had aroused fear in her; sight of Lancaster drove it away. She mustered a smile for him—a wan, sickly sort of smile, she fawned—and nodded at him across the crowd.

At once he got up, spoke to his companions and started toward her around the end of the long table at which she sat. One of her fellow-guests saw him and set up a shout of welcome. Others chimed in, stopping him for this, that and the other exchange. Lois saw, though, that his eyes kept straying to her. Eventually he reached her and she half-turned and gave him her hand.

Neil Becker acknowledged the newcomer's presence with a curt "Good evening," then ignored him. Lancaster stole a glance around the table, spoke banteringly: "I wonder if I might steal you for a few moments." Soundlessly he added, speaking with his lips alone: "You must come."

Lois rose obediently, saying: "You'll excuse me" to Becker. Immediately she became aware that something was not right with her, that her head felt light, her legs inclined to sag. She clutched at Lancaster and he took her firmly by the arm and led her away. She sensed rather than saw that they passed through narrow, dimly-lit verandah. Then she was lowered into a deep arm chair and his voice addressed someone, a waiter evidently: "Bring coffee, very strong and black."

HE bent over her, his hand holding her head steady against the back of her chair and his voice seemed to come from a great distance: "Take it easy. Keep quiet."

"What's matter?" she murmured, her tongue thick. "Whole place going up 'n down . . . round 'n round . . . light's dancing . . . head whirling . . . feel so funny . . ."

"It will pass. Just keep quiet. You'll be all right," he soothed. Then, after a bit: "Here; swallow this."

"This" was the coffee—hot, pungent,

CHARMED, as the Helpless Bird is Held by the Snake's Glittering Eyes, Lois is Drawn into the Giddy Swirl of Mrs. Gayton's Crowd. Will the Snake Strike this Little Country Girl?

By **MERLIN MOORE TAYLOR**

unsweetened. Lois tried to push the cup away after the first bitter mouthful but he was adamant and induced her to swallow it all.

"Lie back, keep your eyes closed," he commanded. "Things will commence to stand still again in a few minutes."

When she ventured to open her eyes a little while later the world had ceased its mysterious whirling, but she was feeling, well, a bit groggy still.

"That's what you were—groggy," he said when she mentioned it. "What else could you expect after drinking down

"I can't very well so long—here she comes now."

Mrs. Gayton proved to be greatly perturbed. "I've been looking everywhere for you. Couldn't imagine what had become of you. I was frightened and Nell's in an awful temper."

"Miss Sylvester and I were sitting out in preference to dancing," said Lancaster.

"You've kept her away an hour."

"I didn't realize it. Time flies in charming company. I'll go and apologize to Becker."

About "Whozit"

IT'S time for something new on the air. We have had our Radio plays, strip cartoons, children's hours, carnival jinks, trick musical instruments, birds and animals and they were good. But now we are ready for the next thing—something that never has been tried before. What shall it be? Don't bother to think up something. It's already been done and man, Man Alive! It's a Whiz! They call it WHOZIT! And WHOZIT'S right.

Ever ride the breakers on one of those Hawaiian whatzits? You've seen the movies even if you never were there yourself. Imagine riding the ether whitecaps on your tuning panel! But that's not even a hint of what the real thing is like. It is absolutely something new for the Radio listeners and it's going to sweep the fans across the country in a way that will make the crossword puzzle craze look like a game of jack straws. Oh, you never could guess. You simply must get the particulars when they are presented to the public for the first time in the next issue of Radio Digest, out, October 31.

one glass after another of champagne?"

That brought her upright in a hurry. "Champagne? I've been drinking champagne?"

"That stuff in the glass you emptied so often."

"I thought that was flavored carbonated water or something like that. It tasted very nice and harmless. I liked it."

"Yes, I noticed," he spoke dryly. "I was quite sure you didn't know what it was. You were showing signs that it had begun to get you. It does that, unexpectedly. If you're not careful. One minute you're dead sober; the next—well, you're drunk."

"**O**H!" The one word embraced

much. "I've been drunk. Drunk!"

"But not disorderly," he hastened to assure her. "I'm sure no one noticed. If they did . . . it doesn't mean anything nowadays . . . no one gives it a second thought . . . I shouldn't, either, if I were you."

"But—drunk?"

"Forget it, I tell you. You're all right now."

"Thanks to you."

"Living up to my name—wise protector, you know. That's all. I'm glad I have you here. I want to say something. Beware of Neil Becker."

"What do you mean?"

"I happened to be looking when you were dancing with him. I saw something . . . I can imagine about what he was saying . . . Oh, I know you called him for it . . . he doesn't mind that . . . he's thick skinned that way—and persistent. If things get too much for you, better get my address and number from the phone book. I'll come on the jump. Any time."

"You're not coming to see me? Mrs. Gayton won't—"

"**N**O, don't come with us, I'll square it with him."

He bowed and she led Lois away. "I'm not angry with you, child," she said. "I can't imagine why Raymond, though—"

"I won't have him blamed," Lois broke in. "If you want the truth, I drank too much champagne, not knowing what it was, and it went to my head. I—was—"

"You were?" There was relief in Mrs. Gayton's tone. "In that case it will be all right. We thought Raymond was deliberately keeping you away. It was all I could do to keep Neil—"

"Isn't he friendly with Mr. Lancaster? When they're together I seem to get a feeling of tension in the air, drawn swords—"

"Oh, nothing so serious as that. Business differences, that's all. Something to do with stocks or bonds, or something of the kind. I don't know the details. Now, you leave Neil to me. I'll make everything all right."

"She was as good as her word. Becker lost the thunderstorm expression with which he greeted them, after she had talked to him in a whisper. He acted of the kind, I don't know the details. Now, you leave Neil to me. I'll make everything all right."

"She was as good as her word. Becker lost the thunderstorm expression with which he greeted them, after she had talked to him in a whisper. He acted of the kind, I don't know the details. Now, you leave Neil to me. I'll make everything all right."

"She was as good as her word. Becker lost the thunderstorm expression with which he greeted them, after she had talked to him in a whisper. He acted of the kind, I don't know the details. Now, you leave Neil to me. I'll make everything all right."

"She was as good as her word. Becker lost the thunderstorm expression with which he greeted them, after she had talked to him in a whisper. He acted of the kind, I don't know the details. Now, you leave Neil to me. I'll make everything all right."

"She was as good as her word. Becker lost the thunderstorm expression with which he greeted them, after she had talked to him in a whisper. He acted of the kind, I don't know the details. Now, you leave Neil to me. I'll make everything all right."

"She was as good as her word. Becker lost the thunderstorm expression with which he greeted them, after she had talked to him in a whisper. He acted of the kind, I don't know the details. Now, you leave Neil to me. I'll make everything all right."

"She was as good as her word. Becker lost the thunderstorm expression with which he greeted them, after she had talked to him in a whisper. He acted of the kind, I don't know the details. Now, you leave Neil to me. I'll make everything all right."

"She was as good as her word. Becker lost the thunderstorm expression with which he greeted them, after she had talked to him in a whisper. He acted of the kind, I don't know the details. Now, you leave Neil to me. I'll make everything all right."

"She was as good as her word. Becker lost the thunderstorm expression with which he greeted them, after she had talked to him in a whisper. He acted of the kind, I don't know the details. Now, you leave Neil to me. I'll make everything all right."

"She was as good as her word. Becker lost the thunderstorm expression with which he greeted them, after she had talked to him in a whisper. He acted of the kind, I don't know the details. Now, you leave Neil to me. I'll make everything all right."

"She was as good as her word. Becker lost the thunderstorm expression with which he greeted them, after she had talked to him in a whisper. He acted of the kind, I don't know the details. Now, you leave Neil to me. I'll make everything all right."

"She was as good as her word. Becker lost the thunderstorm expression with which he greeted them, after she had talked to him in a whisper. He acted of the kind, I don't know the details. Now, you leave Neil to me. I'll make everything all right."

to hold Lois' hand under the table when she foiled his efforts to do it openly and begged her in a hoarse whisper to kiss "papa."

Lois indignantly told Mrs. Gayton about it as they rode home alone in the limousine, for Becker had pleaded that he must see a man about something that would not wait.

"I wanted to slap him," the girl said. "The idea of him making love to me, pawing me, saying suggestive things as if I were a common woman!"

"**J**UST an old man playing with the embers of burnt-out desire, my dear. I'm sorry, though, he picked on you. I was hoping you'd like each other. Victor, if he will, is just the person to help you with your singing. There was a time when he was quite a singer himself. Something happened to his voice, though. He disappeared. I've heard that he was a rouse somewhere in the slums, a bitter, soured man. Then—and not so long ago—he got hold of money. Now he's blossomed out as a man about town. He plays hard at it. If he should happen to take a fancy to you—"

"It seems a bit dishonest to string a man along, pretend you like him and so on, just for what you can get out of him, but—" Lois sighed—"I'd almost kiss Victor Jermin if you're right. I'd do a lot to get my chance at a career."

"Leave it to me and you go along being as nice to Victor as you can. I fancy he's harmless enough. As the Spanish say, 'God didn't begin to give him nuts until he had no teeth to crack them.' Now, let's talk about something else. Clothes for you, for instance. Tomorrow we'll go shopping and fit you out. The crowd's got enough things planned to keep us going at a busy gait for some time."

The fitting-out process proved unalloyed delight for Lois. She reveled in the gowns, dresses and a suit or two that were bought for her. The dainty, silken underthings; the hats, the shoes, the little accessories sent her into ecstasies. Their staggering cost perturbed her, however.

"Oh, why are you doing all this for me?" she asked after hearing Mrs. Gayton ordering everything charged, as usual.

"Put it down to a quixotic whim that you are myself as I used to be," smiled the older woman. "I was a small town girl myself. I came to the city with dreams of making good. I was doing it, too. Then the high-life lured me—and in the end got me, too. I have an idea you are made of sterner stuff, that you'll rise superior to all its sham and tinsel and glitter and in the end be better off for it. When you do settle down it won't hurt you the lure of the unknown. It won't distract you and you can go ahead with your career unhampered. When I see you making good I'll pretend it's me and be as happy as you. Do you get it at all?"

"I think so," Lois spoke soberly. "Just the same I think you may be playing with fire. It's a dangerous thing to feed a girl on caviar and expect her to go back to bread and milk later."

"Caviar day in and day out loses its relish after a while. I fancy you'll be glad to go back to the other. You're that kind. Meanwhile, go ahead and play while you can. If you're the girl I think you'll be fed up on it in a little while and then we'll get our heads together and plan."

WHAT she had called play Lois found strenuous. The crowd, as Mrs. Gayton had styled them, demanded a continuous round of activities to relieve the ennui and boredom that is the inevitable result of too much time, too much money, too little work. Nightly clubs, cabarets, the theater, amusement parks, dances and so on claimed them. In the afternoons there were ball games, polo matches, the races—anything and everything that promised even the tiniest of thrills and the killing of a lot of time.

Lois found it all very exciting, largely because it was so very new to her. For all that she herself called a "live wire" and approval shone in the eyes of the men and women about her, she was not exactly happy, however. Something told her that she did not belong to this kind of a life; that it was, as Mrs. Gayton had predicted, feeding her up. The real thrill, she told herself, still lay ahead. It would come when she was doing things for herself, not being a parasite on others.

Mrs. Gayton nodded approval when she mentioned something of all this. "It's working out just like I hoped," she said. "I think it's time for me to start working on Victor Jermin. I might have a chance tonight. He's taking us to that

(Continued on page 10)

new cabaret on the South Side—just us two and Neil Backer.”

Evidently she found, or made, the opportunity she mentioned. At the cabaret that night Jermin appeared to derive some pain from the singing of a popular song by a young woman who had more good looks than voice to recommend her.

“Flat and she sings off-key,” he grumbled, refusing to join in the applause which rewarded the young woman.

“She acted as if she were badly frightened,” said Lois.

“Think you’d be any better off?” demanded Jermin with sudden interest.

“I’m not afraid of a crowd.”

“Are you game to try it?”

“WHAT do you mean?”

“I can fix it with the manager for you to sing something here and now.”

“Go ahead.”

Jermin called to a passing waiter. “Send McManus here,” he ordered.

McManus came. He was in tuxedo, close-shaven, slick of hair, almost servile in his manner to a gentleman in clothes, an upper servant in demeanor. Had Mr. Jermin a complaint, he asked quickly. Jermin explained. McManus registered relief. He would be glad to oblige. What would the young lady sing?

“I don’t know the popular things,” said Lois. “I’m afraid it will have to be something that’s quite old—‘Swing Low, Sweet Chariot,’ ‘Just a Song at Twilight,’ something like that.”

“Fine,” McManus enthused. “A crowd always falls for that kind of stuff. I do myself. I don’t often put it on here because the boys and girls that will do their stuff in a cabaret run mostly to blues, mammy songs and the like. Coon shouters and tin-pan alley artists butcher the old-time stuff. If you’ll come with me, miss, we’ll see the accompanist.”

The slender youth with the worldly-wise face who lolled at the piano—they caught him between numbers of the orchestra—eyed Lois openly and said he could play anything. “Name your piece, lady, and watch me hop to it,” he invited.

Lois chose the two she had mentioned to McManus with the negro spiritual as her first, “Just a Song at Twilight” for the encore that he felt certain would be demanded.

The manager conducted her behind the curtain, then passed in front of it to make an announcement. They were to be highly favored to-night, he told his hearers. One of the guests had consented to lend variety to the usual entertainment by singing two old-time favorites. He was sure they would be recalled with delight. It was his pleasure to introduce Miss Lois Sylvester.

Lois found herself stepping from behind the curtain into a flood of dazzling white light, her audience hidden from her in the semi-darkness of the tiered tiers of tables that slanted up and away from her. It was unerring, nothing at all like the fully lighted halls in which entertainments at which she sang back home had been held.

She advanced timorously, the scattering, pertentory applause which had ushered her into sight dying away; the youth at the piano holding back his first note until she came to a halt.

Suddenly the silence was shattered by a youth at one of the front tables who sprang to his feet and said in a surprised shout that was heard all over the place: “Well I’ll be hanged if it isn’t the little rooky-goody girl from Paradise.”

Lois couldn’t see his face but she recognized the voice. It was Herbie Coles.

In the next chapter the unsophisticated little Goody Goody Girl begins to realize something of the predicament into which she has been thrown. Follow her; she might typify some little girl near and dear to you.

“HOG CALLING” IS NOVEL WJAG IDEA

Little Nebraska Station Starts Something That Makes Big Hit and Becomes Fad

NORFOLK, Nehr.—A little broadcasting station has to stir up a big idea to be recognized these days of competition, but WJAG, the Norfolk Daily News station here, directed by Karl Stefan, has lots of big ideas.

Its latest original stunt, for which full credit must be given, was the first “Hog Calling Contest” via Radio.

Offering a “Printers’ Devil” prize to the winner, Mr. Stefan had no trouble in securing fifty contestants who all claimed to be expert hog callers. Fred Patzel, farmer, won. A lady named Mrs. E. C. Warner, known in the contest only as “The Mystery Lady,” won woman’s championship and second prize.

Then the Omaha papers heard of it. Columns of space were dedicated to the idea. Finally the Omaha Radio association made the hog calling contest a feature of its show. Fred Patzel won first prize of \$700 and a gold medal.

GOLD CUP STANDINGS

(Continued from page 2)

Place and Name	Station	Votes
24. Eugene Konecky.....	WOAW	6,485
25. Alfred P. Daniel.....	KPRC	4,245
26. Harry Geise.....	WQJ	4,153
27. Edward B. Husing.....	WRC	4,065
28. Sen (A. W.) Kahney.....	KTW	3,980
29. Harold Isbell.....	KTW	3,601
30. Kenneth Fickett.....	WGR	3,436
31. W. C. Stoeges.....	WLW	3,545
32. Ernest E. Chappell.....	WFBB	2,032
33. Eddie Squires.....	WJAX	2,029
34. Jerry Sullivan.....	WSBC	2,007
35. Louis L. Kaufman.....	KDKA	1,765
36. Jennings Pierce.....	KGO	1,604
37. J. G. Cummings.....	WOAJ	1,563
38. John Daggett.....	KHJ	1,509
39. Leo Fitzpatrick.....	WHR	1,507
40. The Janitor.....	WFAA	1,361
41. Ralph Freese.....	KOA	1,323
42. Roy Stewart.....	WABC	1,304
43. Walter Johnson.....	WTIC	1,181
44. Francis Chamberlin.....	WMC	1,063
45. C. D. Tomy.....	WCX	1,006
46. Frank Lane.....	KVOO	1,001
47. Kolin Hager.....	WGY	977
48. William Fay.....	WGY	968

49. Richard V. Haller.....	KGW	936
50. Walter Tison.....	WGHB	856
51. Rev. H. H. Hohenstein.....	KFOO, 781; 52. A. P. Herske, WTAM, 622; 53. D. J. Connolly, WBRC, 654; 54. Karl Stefan, WJAG, 653; 55. Freeman Talbot, KOA, 649; 56. Dick McMurray, KUT, 648; 56. Frank Wainhall, 648; 56. H. Herbolzheimer, KFSF, 648; 57. Arthur B. Church, KLDG, 647; 58. Milton Cross, WJZ, 619; 59. John McPhee, WFBI, 601; 60. Adams Calhoun, WFAA, 532; 61. Howard Millholland, KGO, 528; 62. Heurs Anderson, KSO, 526; 63. D. H. Ives, WHAS, 483; 64. Donald Main, WLS, 481; 65. Arthur Wellington, KYW, 467; 66. Ralph Crowder, KDA, 456; 67. Reid R. Snyder, WOC, 449; 68. Chester H. Miller, WEAN, 434; 69. James Haupt, WEAJ, 424; 70. Robert Emery, WEEI, 392; 71. Miss Jean Sargent, WBT, 369; 72. Floyd Fahn, WGY, 365; 73. Nate Caldwell, WBBM, 361; 74. Miss Orina Carmegin, KMA, 358; 74. R. F. Thompson, WFEG, 308; 75. Louis Reid, WFBH, 291.	
76. Harry Ehrhart, WLIT, 286; 77. Howard H. Waters, WIL, 285; 78. P. A. Greene, WSAI, 283; 78. William L. Arkinson, WCAO, 283; 78. Jack Henry, WES, 283; 79. C. R. Hays, KSL, 262; 80. John T. Carter, WDDP, 261; 81. J. C. R., KOA, 249; 82. Uncle Bob, WPEC, 240; 83. Gus Swanson, WOAW, 231; 84. Howard Millholland, KGO, 225; 85. G. G. Scroggin, KFEO, 222; 86. George Iunkin, KMOX, 218; 87. Miss V. A. L. Jones, KSD, 216; 88. Frederick G. Rogers, KDKA, 206; 89. George F. Ross, WRC, 180; 90. E. A. Marshall, KVLZ, 179; 91. Jim Hughes, KDKA, 178; 92. Ted Nelson, WMCA, 171;		

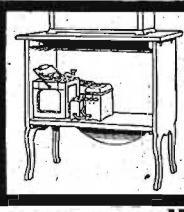
93. V. W. Corbett, KFXF, 170; 94. Charles Wellman, KFNB, 166; 95. Harry Richardson, KTFE, 165; 96. William M. Sweet, WRC, 149; 97. Jerry Weyman, WCAE, 143; 98. Billy Knight, WIL, 141; 99. Norman Baker, KFTN, 138; 100. A. Coggeshall, WGY, 137.
101. Joe Faassen, KSO, 135; 102. John B. Daniel, WJZ, 126; 103. Harold Fiske, WGBF, 124; 104. Lord Thomas, KFKX, 121; 105. Uncle Wip, WIP, 119; 106. Philip Hitchcock, KWSC, 113; 107. Robert Hard, KFI, 110; 108. H. H. Phillips, KWWG, 88; 109. W. S. Corbett, KFXF, 61; 110. Old King Tut, WSB, 55; 111. F. H. Criley, KLDG, 50; 112. Robert Hall, WKAF, 49; 113. John Benlein, KFVR, 48; 114. Arthur Endes, WEEI, 46; 115. Gaim A. Ryan, WGN-WLIB, 42; 116. Andy Wellfreese, WOI, 30; 117. Al Carney, WBT, 29; 118. Ralph Pitt, WDAF, 28; 119. David Edelson, WSB, 27; 120. Claire Morrison, KPO, 25; 121. Dop L. Fox, WMBC, 11; 122. Charles Erbstein, WLIB, 9.

Canadian Standings

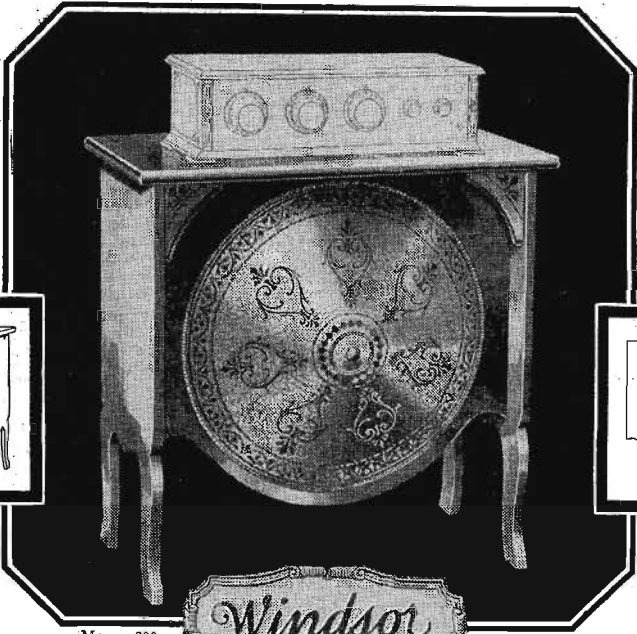
Place and Name	Station	Votes
1. Lillian Shaw.....	CKY	18,953
2. Bert Hooper.....	CKCK	11,535
3. H. C. Fricker.....	CKOL	4,544
4. A. W. Ryan.....	CNRO	2,051
5. Robert W. Combs.....	CNCC	2,381
6. George A. Wright.....	CNRC	3,467
7. Jaques Cartier.....	CKAC	1,429
8. C. W. Darling.....	CFCF	1,263

\$29.00

Console with Cone Loudspeaker Ready for Your Set and Batteries (West of the Rockies \$35)

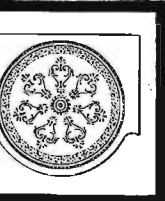


Rear view showing large compartment providing ample space for all batteries, battery charger or battery eliminator. These are entirely concealed from view. The back is open for ventilation of batteries.



MODEL 200 with 22-inch Cone

MODEL 200 with 22-inch Cone



The Cone Loudspeaker, with its Spruce sounding board, is quickly and easily removable, allowing instant access to all batteries, battery eliminator or other equipment and wiring.

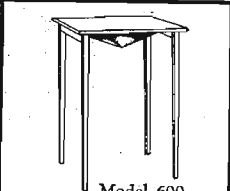
A Revelation in Radio Reproduction

AT LAST—a cone loudspeaker that reproduces all the tones as they are broadcast. From the deep voiced tuba of an orchestra to the softest note of a vocal solo—every tone—every sound is reproduced in all its beauty, just as it entered the microphone.

When compared with the average cost of cone-type loudspeakers of even smaller size, the cost of the complete Windsor—cone loudspeaker, spruce sounding board, and console—is amazingly low.

Go to your dealer today and examine this astonishing new Cone Loudspeaker Console. If he happens not to have one, write to us and we will tell you the name of the nearest store at which you can see and hear one.

This 22-inch Windsor Cone Loudspeaker, with its spruce sounding board, will reproduce the softest crooning lullaby in a softly lighted room, or the full throated march music of a band in an auditorium—both with perfect fidelity of sound and tone.



Model 600 With 16-inch Cone (Pat. applied for) This 20 by 17-inch Cone Loudspeaker Table has suspended from the underside of the top a 16-inch Windsor Cone Loudspeaker. Placed in any part of a room, it fills the room with music just as an inverted electric lamp floods the room with light. Finished in Mahogany \$19 or Walnut. Price (West of Rockies, \$23.00)

The Windsor Cone Loudspeaker Console is the greatest value in the

As a piece of furniture, the Windsor Cone Loudspeaker Console is of such manifest high quality and attractive design as to be a welcome addition to any home. Finished in Mahogany or Walnut.

The Windsor Cone and Horn Loudspeakers, combined with attractive pieces of furniture in many models, are being demonstrated by recognized dealers everywhere.

Note to Dealers Write or wire today for details of the highly profitable Windsor selling franchise

WINDSOR FURNITURE COMPANY World's Largest Manufacturers and Originators of Loudspeaker Consoles 1418 Carroll Avenue Chicago, Illinois Los Angeles Branch—917 Maple Avenue

WINDSOR FURNITURE COMPANY Electrical Department 1418 Carroll Avenue, Chicago, Illinois

Send me FREE and without obligation circulars of the Windsor line of Cone and Horn Loudspeakers combined with pieces of furniture, and name of nearest dealer:

Name.....

Address.....

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

Dealer's Name.....

AUNT SAMMY HELPS HOME MAKER WORK

THIRTY LEADING STATIONS GIVE NEW U. S. FEATURE

Aim of Government Program Is Big Lift for Mother—Will Give More Leisure

WASHINGTON.—"Aunt Sammy," one of the official Radio representatives of the United States Department of Agriculture, was introduced to women listeners from thirty broadcasting stations last Monday a week.

When Uncle Sam planned his enlarged farm Radio program for the 1926-27 season he made special provision for the five million women of the nation who have a chance to tune in on whatever they please, at least during the day time. He employed a special representative known as "Aunt Sammy," whose official duty it is to assemble material and write entertaining and reliable programs for the "Housekeepers' Chat," a five-day-a-week 15-minute period devoted exclusively to up-to-date information on subjects of interest to women.

Covers Many Subjects

"Aunt Sammy," who has had special training in home economics and in writing, spends a great deal of time in the Bureau of Home Economics, where she can gather the latest facts about food and nutrition, textiles and clothing, household economics and equipment. Her subject matter is not limited to cooking, sewing and housecleaning, however. She includes in her programs attractive color schemes for the living room, and becoming lines for the stout and the thin.

The program for the "Housekeepers' Chat" has three divisions of five minutes each: "Backyard Gossip," "Questions Women Are Asking" and "What Shall We Have for Dinner?"

"Backyard Gossip" includes informal discussions of such subjects as the home, food, and health, clothing, gardening and social diversions.

WHAT BEST DRESSED LADIES ARE WEARING



That is—we mean—what they are wearing at night. The above is what Marie of KOA, a style expert, gives interesting cabled style news on Tuesdays, Thursdays, and Fridays from the Denver station.

Is Big Help to Mother

If the baby cries while a menu is being broadcast, or the turnips boil over and the housewife misses part of a recipe, she can get a mimeographed copy of the recipes and menus from the broadcasting station. In this way recipes may be checked and Radio cookbooks kept accurate. The housekeepers' program has a dual purpose, according to "Aunt Sammy." It aims to help the housewife in the intricate and vastly important task of managing a home, and to show her how, by careful planning of meals, saving of steps and labor, she may have more leisure time for what are broadly termed "cultural activities."

SHORT WAVES

By Marcella

(Continued from page 2)

celved the information from Beaumont. Good! Anyway, wuxtree, wuxtree—all about Magnolia Blossom, the KFDAM lady announcer. She has a fair complexion, blue eyes, wavy or curly hair, and is 150 pounds light, 5 feet 9 inches tall, 28 years old and married. Besides "Magnolia" has a little daughter, five years old, whose name is Mary Ellen Edwards and who sings regularly over KFDAM.

"H. P." or Harold Palmer, Lester's little brother, is now on the WQAW announcing staff. As for appearances, ah, throbs and thrills, he's even more handsome than Lester, which is something. H. P. attended the University of Nebraska for three years and is now continuing his law studies at Creighton. He is a star golfer, single, and a member of the Alpha Sigma Phi and Phi Delta Phi fraternities. Age, about 20 or thereabouts; hair, dark brown and parted in the middle.

"Two Radio Fans": Questions concerning Sid Johnson must remain unanswered as he is no longer with WQAW. So far as he is known, he is still a bachelor. Eddie Stewart, the "Rapid Fire Songster," still regards WQAW as his home station, although he travels in and out of Omaha for a music publisher. Age? I should say 30 to 35. He is married, black-haired, smiling and pleasant, and has a good Radio personality.

Mrs. Frank "Howie" or Howard Martin, program director and announcer of KOIL, Council Bluffs, is exceptionally good looking, 29 years old, married, and has two dandy children. He weighs "fifteen pounds less than when he took the job" and has added fifteen new gray hairs. He says he doesn't like to have married women "chasing after him" and not to send back the name of one asking for information in this instance. My, my! Howie announces a daily organ recital, tickles the ivories proficiently, and is all steamed up about some big programs he is planning for this winter.

Hugh McGann, KOIL vocal soloist, bears out the name with a bit of Ireland in his smile. He is 31 years old, has been work-

LAUGH IT OFF, HA-HA!

WORK off that grouch with a daily Whozit game. A ten-minute wit-work-out to take the business kinks from your brain. If you win you're clever—cash presents and a million dollars' worth of satisfaction come knockin' at your door. Somebody always finds the right way to do a Whozit and it's a corking idea. Details in the next Radio Digest.

ing with the Mona Motor Oil company for 12 years, is now in the sales department, and has never had any vocal training. Married or single, I do not know, but I'll guess the former.

Wendell Hall sends us a picture of a big, new, four door, seven passenger sedan, all shiny and everything, and upon peering into the depths of the upholstery we note Wendell smiling forth. Says he's motoring to New York (probably there now) to make some new records and keep fans amused by appearing every week at WFAF and WJZ.

News Note: The handsome and single Mona Motor Oil Twins, visited me last week and told me where they were going to be all next month. Oct. 14-16, WQBF, Evansville; 18, WSKC, Bay City, Mich.; 19-20, WAFD, Port Huron, Mich.; 21-22, WJW and WCX, Detroit; 25-27, WFBM, Indianapolis; 28-30, WSMK, Dayton, O.; Nov. 1-3, WBAO, Columbus, O.; 4-6, WOWO, Fort Wayne, Ind.; 8-9, WOOD, Grand Rapids, Mich.; 10, WSPT, South Bend, Ind.; 11-13, WJAZ, Chicago; 15-18, WKAF, Milwaukee.

Miss L. N. Al Carney is not married, and if you will send ten cents in stamps and one of the "Photogravure" or "Gallery of Radio Stars" coupons from Radio Digest, we shall send you a beautiful brown print of smiling Al, seated at the console of the WHIT organ. He is about 25 years old, weighs 195 pounds, and just lives by himself with his pedigreed German police dog and driving his sedan about.

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

Monday				Tuesday				Wednesday				Thursday				Friday				Saturday				
Eastern	Central	Mountain	Pacific	Eastern	Central	Mountain	Pacific	Eastern	Central	Mountain	Pacific	Eastern	Central	Mountain	Pacific	Eastern	Central	Mountain	Pacific	Eastern	Central	Mountain	Pacific	
8:30 a.m.	8:30	7:30	6:30	9:30 a.m.	8:30	7:30	6:30	9:30 a.m.	8:30	7:30	6:30	9:30 a.m.	8:30	7:30	6:30	9:30 a.m.	8:30	7:30	6:30	9:30 a.m.	8:30	7:30	6:30	
WVJ (352.7m-850kc), Tonight's dinner.	WVJ (352.7m-850kc), Tonight's dinner.	WVJ (352.7m-850kc), Tonight's dinner.	WVJ (352.7m-850kc), Tonight's dinner.	WVJ (352.7m-850kc), Tonight's dinner.	WVJ (352.7m-850kc), Tonight's dinner.	WVJ (352.7m-850kc), Tonight's dinner.	WVJ (352.7m-850kc), Tonight's dinner.	WVJ (352.7m-850kc), Tonight's dinner.	WVJ (352.7m-850kc), Tonight's dinner.	WVJ (352.7m-850kc), Tonight's dinner.	WVJ (352.7m-850kc), Tonight's dinner.	WVJ (352.7m-850kc), Tonight's dinner.	WVJ (352.7m-850kc), Tonight's dinner.	WVJ (352.7m-850kc), Tonight's dinner.	WVJ (352.7m-850kc), Tonight's dinner.	WVJ (352.7m-850kc), Tonight's dinner.	WVJ (352.7m-850kc), Tonight's dinner.	WVJ (352.7m-850kc), Tonight's dinner.	WVJ (352.7m-850kc), Tonight's dinner.	WVJ (352.7m-850kc), Tonight's dinner.	WVJ (352.7m-850kc), Tonight's dinner.	WVJ (352.7m-850kc), Tonight's dinner.	WVJ (352.7m-850kc), Tonight's dinner.	WVJ (352.7m-850kc), Tonight's dinner.

AN EVENING AT HOME WITH THE LISTENER IN IN EASTERN TIME

Table listing radio stations by call letters, location, and broadcast schedule. Columns include Call, Location, Met., Ke., and days of the week with corresponding times.

STATIONS IN ORDER OF WAVE LENGTHS

Table listing radio stations in order of wavelength, with columns for Meters, Call, and Meters/Call.

AROUND THE BROADCAST STUDIOS

Major White Honored; WSM Celebrates; WGN, Adds 25,000-Watt "Kick"; WCAY Raises Power; WGBS, WIP and WPG in Link.

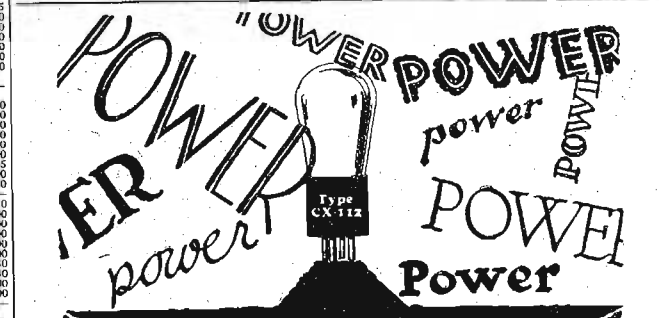
Major J. Andrew White has received many thousands of letters complimenting him for his vivid portrayal over the air of exciting sports events.

Glad sounds of great rejoicing in the upper regions of the Drake Hotel where WGN of the Chicago Tribune has just completed its three new studios.

WCAY of Milwaukee is once more heard in the land of broadcast. The announcement comes from Raymond E. Mitchell, director of programs, that the power has been raised to 1,000 watts.

Gimbel brothers have hooked up their two very successful stations, WGBS of New York and WIP of Philadelphia. Soon they expect to hook WPG of Atlantic City into the circuit.

By MIKE Major J. Andrew White has received many thousands of letters complimenting him for his vivid portrayal over the air of exciting sports events. But probably the letter that he will treasure most is the testimonial awarded at the recent Radio Industries banquet. Among other things it said: "You have gathered together the most notable and talented company of artists ever assembled. . . . Your sterling character and gracious personality have won for you our sincere regard."

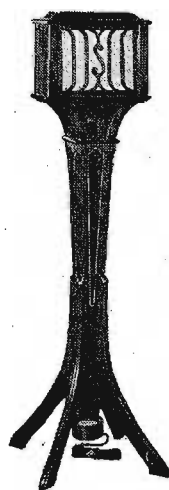


CX-112 CX-220 CX-371

THE secret of obtaining the highest quality of radio reception today is fast becoming no secret whatever. The right power tube, Type CX-112, CX-371 or CX-220, is the key. Ask your dealer for his recommendation.

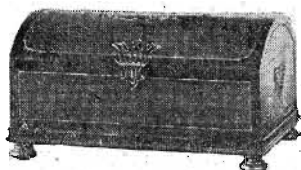
Cunningham POWER TUBES In the Orange and Blue Carton All Types C & CX E. J. Cunningham, Inc. NEW YORK CHICAGO SAN FRANCISCO

What's New in Loud Speakers

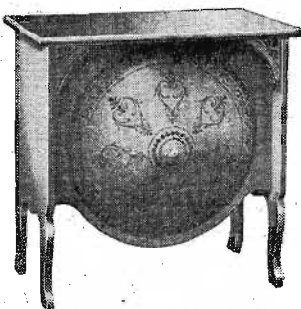


THIS beautiful pedestal type loud speaker stands 44 inches high and has the benefit of a long air column between the unit at the base and the grilles openings at the front and back of the top. It is manufactured by the H. G. Saal company of Chicago, and is finished in a beautiful walnut. The grill openings are 8 by 10 inches in size, and the unit is designed ruggedly to stand up to 400 volts of B battery without breaking down.

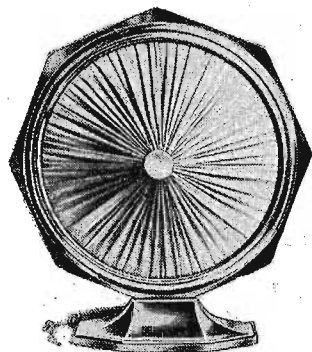
THE speaker below is a beautified type of cone which has found its way to the market from Chelsea, Mass., where it is made by the Bou-dette Manufacturing company under the name of Sono-chorde. Its artistic lines are such as to make the Sonochorde harmonize well amid luxurious surroundings, and it is made in three styles, floor stand, wall or table, to meet one's personal taste. All



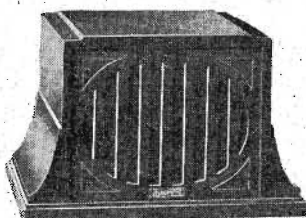
VELVET Radio speakers this year are original in all designs. The Jewel Case, above, star of the line, has a lifting top which controls the volume desired. Far from unsightly in appearance, the Jewel Case makes a beautiful addition to one's furnishing scheme. Its quality of reproduction is above reproach. The Dorkman Radio Corp., Salt Lake City, makers, also have a lantern type, "cone-flex" and two bell type horn speakers.



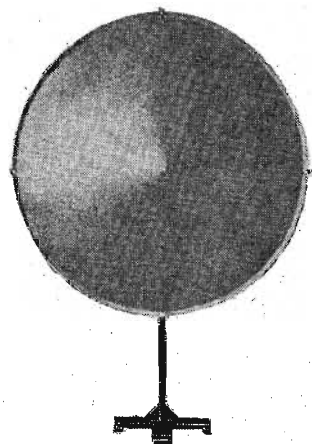
A CONSOLE in which batteries, chargers and eliminators can be placed, is afforded by the Windsor cone loud speaker console depicted above, made by the Windsor Furniture Co., Chicago. The cone, an integral part of the console, is 23 inches in diameter and beautifully patterned. A spruce sounding board behind the cone gives depth to the full range of musical frequencies. It may be had finished either in mahogany or walnut.



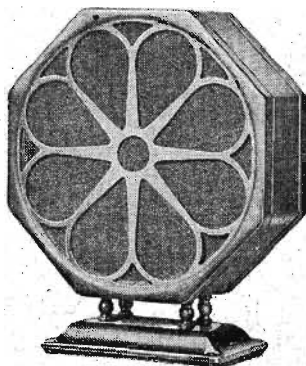
units are mounted on a cast aluminum frame and attached to a specially treated paper cone. The unit side is draped with a heavy silk satin dark purple in color, which is the color likewise of the frame and cone.



SOMETHING different is found in the Armstrong Tone Reproducer, made by the Armstrong Co., of Chicago and pictured above. "Shaped like a singer's mouth," says the slogan, and although the grilles cabinet is only 10 inches high and 9 1/2 inches deep, a great volume without loss of quality is yielded. The Armstrong unit functions without adjustment at any time and is perfectly at ease handling without distortion voltages as high as 600.

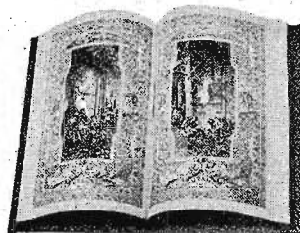


A NOVELTY for those who like to build their apparatus is afforded by the Engineer's Service Co. of New York, who are marketing the complete parts for a three-foot offset type cone speaker, with instructions how to assemble. It is shown above. The idea is perhaps good for those listeners who like to experiment. At least they can learn all the gadgets that go to build one, and what makes it go.

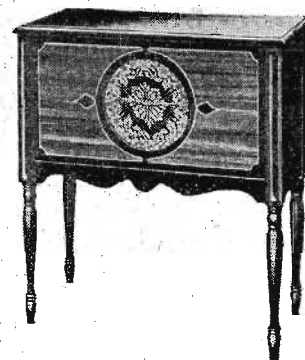


UNIQUE and pleasing in its symmetrical octagonal shape, the new "Octacone" above, made by the Pausin Engineering company of Newark, has sev-

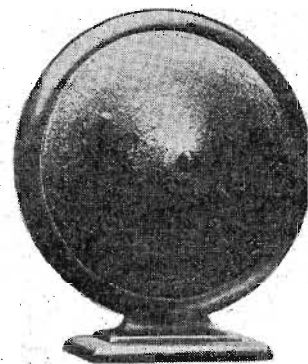
eral different features. One is its offset tympanic type "cone," modeled after the human ear drum. It is enclosed in a metal case 13 1/4 inches high, 11 inches wide and 4 1/2 inches deep. Special rubber feet absorb its vibrations, and its bronze finish harmonizes well with most settings.



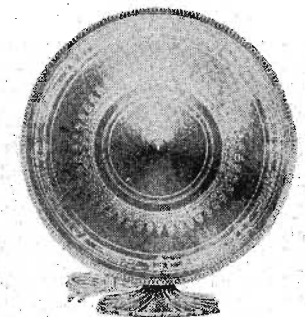
ENTIRELY novel and distinct, the Utah book speaker is apart from the field and without competition. It resembles an open book with hand-tinted pages done in sepia, finished in gold and brown morocco leatherette. It can be held in an upright position on an easel supplied with the book, or hung on the wall as a picture. New principles of sound reproduction, whereby the unit is applied to the edge of a properly curved membrane, are utilized. The book is 17 1/2 inches wide by 13 1/2 inches high and made by the Utah Radio Products Co., Salt Lake City.



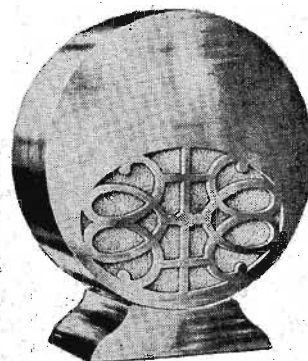
BUILT in a beautiful two-tone mahogany finished console which provides room for batteries, the Crosley Musicone becomes the Musicconsole above. Famed for its clean-cut and honest reproduction, the Crosley cone is also marketed in the regular 12-inch size, a new "super" 16-inch size, and in a Deluxe model which is enclosed in a mahogany finished clock case with slotted and grilles opening. The Musicconsole is fashioned faithfully in a true period design.



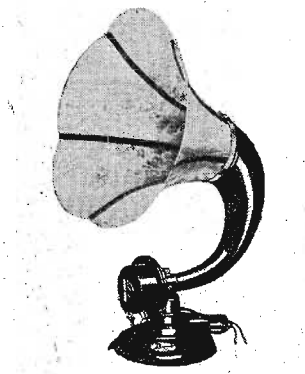
SPARTAN Junior Disk Speaker, above, has a brown and gold composition diaphragm set off by an artistic frame and base finished in rubbed mahogany. Its diameter is 13 1/2 and height 15 1/2 inches. Low and high frequencies of sound are faithfully brought out by the special diaphragm which is motivated by the Spartan semi-balanced armature disc unit. Model shown is designated as model 400.



QUANTITY of reproduction, as well as volume, is the boast of the Tower cone above, made by the Tower Manufacturing company. Electrically designed to reproduce the notes of all the instruments in an orchestra, the makers assert that the first thought they had in mind in bringing out this cone was to give faithful reproduction. Improvements include eight points of contact from unit to cone, a new direct-drive reproducing unit, and a non-warping, tree edge, parchment cone.



TELEPHONE is the name of the hand-finished African mahogany speaker shown above. It is not a cone, but a horn designed after the human larynx, with especial attention paid to the thickness of the wood in all parts of the sound chamber. The unit will not chatter or distort, and is so designed that its electrical impedance will take care of varying inputs of power without adjustment.



LOTUS flower shaped, the Burns loud speaker, shown above, is made by the American Electric Co., Chicago, with an aluminum sound column and a pyramidal flare in several handsome colors. The horn swivels freely at its base, and the special Burns unit is adjustable to whatever power may be applied. No damping or absorption of sound is permitted by the free and graceful curve of the horn and its flare.

Radio Digest Illustrated

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

Published by the
RADIO DIGEST PUBLISHING CO.,
(Incorporated)
510 North Dearborn Street
Chicago, Illinois
Telephones: Superior 7323, 7324, 7325, 7326, 7327

E. C. RAYNER, Publisher

Eastern Office, Park-Lexington Building, 247 Park Ave.,
New York. Telephones: Ashland, 8144, 8145, 8146

Member of the Audit Bureau of Circulations



PUBLISHED SEMI-MONTHLY

SUBSCRIPTION RATES
Yearly in U. S. and Possessions and Canada, \$3.00
Foreign Postage, \$1.00 additional. Single copies, 15 cents.

Vol. XIX October 15, 1926 No. 1

The Tragedy of Age

THOMAS ALVA EDISON, American inventor extraordinary, cut loose to the newspapers recently and vented his spleen on Radio. Let it here be said that we like Mr. Edison. He is a grand old gentleman. He has given this country and the world inventions which have made life much more worth living. But, because of all of this, must we stand idly by and listen to his caustic criticism of Radio?

First of all he said, "Radio is losing its grip on the market and in the home. There isn't ten per cent of the interest in Radio that there was last year."

If that is true, then Radio Digest should have one-tenth of the paid circulation it had last year. Instead, we learn that the circulation figures show a fifty per cent increase over last year. Again, the Radio market should be stagnated. Instead, every dealer is begging for the new models and has more orders for sets than he has had at this time in any of the past five years. Radio is just coming into its own.

Said Mr. Edison, "It's a highly complicated machine in the hands of people who know nothing about it."

In reply, let us amend that "nothing" to read "enough." Most listeners today know more about putting together, installing, operating and repairing their receivers than they ever did about their phonographs. We wonder how many listeners ever put new springs in their phonographs? And how many built their own? How many listeners know exactly how their automobile engines work and what makes the oil pumps pump? Not many, but look at General Motors stock!

And don't forget that every year the sets are showing more simplicity of operation and are being built more and more foolproof. A machine that a baby four years old can operate is simple. We know plenty of children not older than that who can operate Radio receivers well enough to pick up children's hour programs—and these same children have not yet learned to operate their parents' automobiles or phonographs.

"No dealers make any money out of it," said the inventor of the incandescent light. "Edison dealers are rapidly abandoning it, reports show."

Still, we reply, there are many prosperous and canny Radio dealers who would not be in the business if it were not worth while. Men of business brains and modern merchandising methods, who have chosen representative lines of phonographs and Radios, are still making big money out of both, and we might say, the most money from their Radio lines. We have figures to prove this assertion.

And poor old Thomas Edison finishes off, "The people want good music. As for Radio music, it's awful. I don't see how they can listen to it. The phonograph is coming back into its own because people want good music."

This is sad, isn't it? Here last year two great phonograph makers had to put a lot of fancy and improved reproducing devices on their machines, and then electrically record (through the same kind of amplifiers as used in Radio) their records, because their machines could not equal the quality of modern Radio receivers and loud speakers—and now Mr. Edison would have us believe that these other phonograph manufacturers did all this in error. It wasn't necessary. Maybe Mr. Edison can convince them that their machines would sell without these new "gadgets." Or perhaps, inasmuch as their sales have picked up with the inclusion of these devices (and built in Radio receivers), perhaps these two manufacturers would tell our good friend and inventor to put good receivers in his machines and watch them sell.

Before closing, we also wish to press the question—why, if Radio and all that goes with it is so unpopular, do the leading phonograph recording companies watch the broadcasting stations for new stars and record all the work of the favorites? To waste money?

RADIO INDI-EST

Coming Events

When a play you wish to see,
At the game you'd like to be,
Hang a screen upon your wall the scene to show!
Set your dial for the spot,
Drop your money in the slot
And you'll see and hear it all by Radio.

GEORGE

But You Can Read It

My Dear Player of the Third Trombone:—
I have just finished reading your communication addressed to me in the last issue of the Digest. Do I remember—you tell 'em. Who could forget? Only my first one was a crystal—made with parts purchased from Mr. Woolworth's five and ten. Coil wound with enamel wire and I neglected to scrape off the enamel so the slider would make contact and she was deadlier than the proverbial door nail and altho a local station was going full blast I could not get a zip out of it. Then discovered what was wrong and after hastily scraping off the enamel with the trusty old Barlow, was just in time to hear the announcer say "signing off—We will be on the air again at midnight with a test program."
Did I stay up till midnight? You tell 'em—Made everybody in the house get up to listen to that wonder of wonders—A RADIO, and with head set split so two could listen at once, with one receiver glued to an ear, we took turns listening—to phonograph music—until 3:00 A. M.

Then came the "tube set"—one tube with a piece of wall board for a panel, grid leak made from a piece of paper with a pencil mark on it and a grid condenser made from the tinfoil of the package of our favorite cigarettes. But she kicked them in from coast to coast, and that's about all the multitube hits, supers, phases and dynes of the present dynasty will do.

Then we added another tube and had an "amplifier." Then we dug up another nine bucks and put in the "second stage." Made a "loud" speaker out of a piece of hard maple and a 15c flower pot and were the envy of the neighborhood. O Boy! Then was the days.

And the Radio Digest! How eagerly we looked forward to the next issue—and how we dropped in at the newsstand to see if by some miracle it had come in a day ahead of time.

How eagerly we looked for the new circuits and the "kinks" and hurried home to heat up the old soldering iron, wire up the new circuit and test it out—try out the new kinks to see if we could get more distance and greater volume. And the LOG! How religiously we kept it, and how proud we showed it. How we measured "airlines" on our two bit Radio map. And the talks over the fence with the neighbor the next morning. "Who did you have last night and how did they come in?" You Bet. Then was the days.

But "Them days is gone forever." You and I, Old Timer, and a few more of the kind made Radio what it is today. If it had not been for our crystals, one-tubers, two stages and homemade speakers, most of Marcella's "girl and boy" friends would still be riding stools at the corner drug store, fiddling for country dances, washing dishes and taking dictation. We can look back with pride and say, "Betty and I—we killed the bear."

Time passes and things have changed. For better or for worse? Well, we think for "worse." But we are done. It has gone on and left us. Our work has been completed. The policy of the people of these United States of ours is that the majority shall rule—and if the majority want matinee idols, movie hero stuff, announcing with neckties with lovers—far be it from us to spoil their pleasure. But after all, we still have our old friend Indl. They haven't changed him. He is still with us and we are for him.

We are with you Old Timer. We hate to go but it looks like we do. We have folded our tent and are ready to join the caravan for the dawn of nothing—the old soldering iron rusts on the shelf. The old test set is covered with cobwebs in the basement. The work bench is covered with dust and the box of parts stands in the corner forgotten. "Young Tutt" uses the electric drill to grind valves on his flivver and the "Better Half" tunes in the one control, solid walnut console, eight tube contraption that's long on price and short on results, and learns how to cook grub that no man can eat. It's time to go. For you and I and the others of our kind the show is over—over.

Is it over—Is the show ended?
We may put all the lights out and yet,
Though the curtain rung down has descended,
Can the actors go home and forget?
Ah, no, they will turn in their sleeping
With a strange, restless pain in their hearts,
And in darkness and anguish and weeping
Will dream they are playing their parts.
OLD KING TUTT. (His self)

Historical Problem Solved

Dear Indl: Probably what upset George Washington's father so much was that he intended to fix his aerial to the cherry tree.
LONDON BOBBY

Famous Baseball Outs

Barbara, oh Barbara,
Pray tell me won't you please:
Does Quin A. Ryan know the diff
Twist pop out flies and fleas?

He writes, writes he, in L—y
Of stations rank and punk;
What right has he to criticize?
His baseball is the bunk.

SOUTH PAW

FRANQUE'S FILOSOFFEE

"Oh! Why should the spirit of mortal be proud,
When only the locals come in on the loud?" INDI

Tommy's Only Foolin'



Condensed

BY DIELECTRIC

This is the season of Radio falls when fans flock to the exhibits to learn and pass judgment, incidentally trusting to secure glimpses of some of their heroes or heroines of the Mighty Mike. Surely, there have been a few of the instrumental entertainers at these great exhibits whose faces have disclosed themselves through the glass enclosing the broadcasting "studios." Perhaps even these close-ups have failed to produce the effect made upon thousands of listeners tuned to the Madison Square Garden, New York, Radio World's Fair, while forty-two broadcasting stations—linked together—sent out that remarkable entertainment before the Radio Industries banquet. Of the wealth of toponth features there presented, your reviewer would place special emphasis upon the work of the Victor Revellers, Reinold Werrenwrath, the combined WEAJ choruses and the famous Sam 'n' Henry.

You remember the hurricane which swept over Galveston, Texas, with a period of intense anguish following it, broken only when word could be carried through of the fate of friends or relatives—not by Radio communication, however. And now, twenty-six years later, Florida suffers a like catastrophe; but this time not only did Radio carry warnings of the approaching storm but broadcasting stations sent out their appeals for relief for the sufferers immediately. Another marked difference was the work of such stations as WPG, Atlantic City, which broadcast a news service for the benefit of such news editors in the stricken area as could receive news for their papers in no other way. In addition, listeners could secure the latest bulletins, including a list of those whose lives were lost. Radio does more than entertain.

Station WJAZ, Chicago, was tuned in during the course of a Sabbath evening and heard only what may be picked up any evening through the week from more than five hundred other stations. Jazz songs were in full blast and of the cheapest order—presumably for owners of sets employed twenty-four hours a day throughout the remainder of the week, or us millions who need to learn the elevating beauty of words and music that this type so faithfully presents. What else have they?

During the past couple of weeks the "Pioneer" broadcasting station, KDKA, Pittsburgh, came through with a program of particular merit. Their little symphony orchestra, one of the first to bear this dignified appellation, seldom misses in its appeal to music lovers—certainly not on the night in question. It had a program of carefully arranged numbers played in customarily good fashion. With it was a splendid chorus of trained voices.

Somehow nearly every time I elect to choose a Philadelphia station to tune in there follows cause for complaint. My arrival there was timed, that is, the signals from Arlington were coming in denoting arrival of the twenty-second hour of that day and the announcer had every indication of having been plucked from below the Mason and Dixon line as revealed in his dramatic summing up of the weather prospects. Here is what I'm leading to: the regular announcer of the evening had been lulled to a soporific state by this weather prophet and forgot to speak again for an appreciable interval. So few of the larger broadcasting stations today permit time waste between studio and remote announcements that these exceptions become more noticeable and reprehensible.

Big Feature Programs, Improved Sets and Better Reception Await Dialsters

All Is Well for Many Pleasant Evenings—"Olympian Jazz" at WLW October 19—New York Philharmonic Starts October 30 Over WJZ—College "Prexies" on WEEL Mike

BOREAS and science are already working together with the broadcasters to give the listening public this year the best season of Radio entertainment ever known.

Weather conditions show a marked improvement over last year, and so far, there has been no sign of the mucky blanket that cloyed up the little ether trains from aerial to aerial when transmission should have been at its best.

There are better receivers, better loud speakers and more powerful sending stations with better programs. Even the most sensitive artists are happy over the prospects and some of the earlier crudities will be numbered among the missing, while more pretentious productions will be in evidence.

WLW to Give Olympian Jazz

Can jazz be classical? Let the gods decide, for Mr. Louis John Johnen, program director of the Crosley WLW station at Cincinnati, announces a forthcoming playlet, "Olympian Jazz." The director has spent the entire summer working out the idea wherein Anton Busch, proprietor of a musical store; Carl Busch, his son; Peter Taschikowski, Richard Wagner, Franz Liszt and Charles Gounod respond to the commands of the Great God Jazz. The premiere is October 19, 9 p. m. Eastern time.

Adhering to the theme of fundamental musical inspiration the evening also will inaugurate a new series of musicals featuring American composers, arranged by Burnet C. Tutthill of the Cincinnati Conservatory of Music. Stephen Foster is the first composer on the program.

The Wednesday night Cincinnati Post orchestral programs are being arranged by Miss Freda Sauer. Miss Johanna Grosse will resume her organ recitals with an organ especially constructed to obtain the best Radio results.

N. Y. Philharmonic Is WJZ Treat

In New York WJZ announces twelve students' concerts of the New York Philharmonic orchestra to begin the night

of October 30. On those Saturday nights throughout the winter season not already booked by the New York Philharmonic orchestra it is planned to broadcast the series to be given by the Boston Symphony orchestra. The students' concerts will be conducted by Willem Mengelberg with the full orchestra of 110 men. The series is arranged to benefit students of music with a history presenting the works of the earliest composers down to the modern classical era. The dates are October 30; November 6, 13 and 27; December 18; January 1, 15; February 5, 12; March 19, 26, and April 2.

Elmer Tidmarsh, organist at WGY, is back on the air after a summer of study at Fontainebleau, France, under the 83-year-old master, Charles Marie Widor, and his assistant, Henri Libert.

E. E. Hildebrand of KFAB, Lincoln, Neb., writes that Wade Munn, brother of big Monte Munn, who presided over the Gridiron club at that station last year, is to be master of ceremonies at the same function this year. The club holds its Radio meetings every Friday night from 8 to 6:30 Central time.

College "Prexies" at WEEL

Twenty-six college and university presidents are booked for talks over the Boston Edison station, WEEL, this season, beginning Tuesday evening, October 19, from 7:30 to 7:45 Eastern time, with the president of Amherst. Tuesday will be "Prexy" day each week. It is designed to interest students and alumni.

WCAE announces as new features at its Pittsburgh station, a U. S. farm school under the direction of the Sunshine Girl. Six new cafe orchestras have been added to the musical programs. They are from the William Penn hotel, Nixon restaurant, Carleton Terrace, Rendezvous, Marlborough ballroom and the Sander's club orchestra.

Guy Lombardo's Royal Canadians have joined WTAM at Cleveland for the new season of Radio. The orchestra sings as well as it plays. They will be on the programs twice each week.

FOOTBALL BROADCAST SCHEDULE

THE following stations will give football scores for all principal games and those of interest in their localities: KIX, KOA, KSD, WEA, WGN, WDAF, WEBB, 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:

Saturday, October 16

Chicago-Pennsylvania at Philadelphia, WGN (302.8m-990kc), WMAQ (447.5m-670kc), WIP (508.2m-590kc).

Colorado-Wyoming at Boulder, KOA (824.4m-930kc).

Columbia-Ohio at New York, WEAQ (293.9m-1020kc).

Grinnell-Iowa State at Grinnell, WOI (270.1m-1110kc).

Henrix-Arkansas at Fayetteville, KUOA (299.8m-1000kc).

Kansas-U-Kansas State at Manhattan (340.7m-880kc).

Minnesota-Michigan at Ann Arbor, WCCO (416.4m-720kc), WWJ (352.7m-550kc).

New Mexico-Texas A. and M. at College Station, Tex., WTAW (270.1m-1110kc).

Princeton-Navy at Princeton, WGY (379.5m-790kc), WJZ (454.3m-660kc).

Washington-Nebraska at St. Louis, KFAB (333m-900kc).

Yale-Dartmouth at New Haven, WBZ (333.1m-900kc), WEAQ (491.5m-610kc).

Friday, October 22

Arizona-New Mexico State U. at State College, N. M. (348.5m-860kc).

Saturday, October 23

Centenary-Arkansas at Fayetteville, KUOA (299.8m-1000kc).

November 1-15 Football Broadcast Schedule in First November Issue

Chicago-Purdue at Chicago, WMAQ (447.5m-670kc), KXW (535.4m-560kc).

Harvard-Dartmouth at Harvard, WBZ (333.1m-900kc).

Illinois-Michigan at Ann Arbor, WGN (302.8m-990kc), WWJ (352.7m-850kc).

Kansas-Nebraska (freshmen) at Lincoln, KTAB (33m-900kc), KPKU (275.1m-1,000kc).

Missouri-Iowa State at Ames, WOI (270.1m-1110kc).

Oklahoma-Kansas State at Norman, KSAC (340.7m-880kc).

Penn.-Williams at Phila., WIP (508.2m-590kc).

U. of Iowa-Ohio at Columbus, WEAQ (293.9m-1020kc).

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

Yale-Brown at New Haven, WGY (379.5m-790kc), WJZ (454.3m-660kc).

Saturday, October 30

Arkansas-Kansas State at Manhattan, KSAC (340.7m-880kc).

Army-Yale, WEAQ (491.5m-610kc), and chain.

Chicago-Ohio State at Chicago, KYW (535.4m-560kc), WEAQ (293.9m-1020kc).

Carroll-Iowa at Iowa City, WSUI (483.5m-620kc).

Corning-Clarinda (High School) at Clarinda, KSO (410.7m-730kc).

Navy-Michigan at Baltimore, WGY (379.5m-790kc), WJZ (454.3m-660kc).

Nebraska-Iowa State at Lincoln, WOI (270.1m-1110kc).

N. M. Teachers' College-New Mexico State at State College, KOB (348.5m-860kc).

Pennsylvania-Illinois at Champaign, WGN (302.8m-990kc), WIP (508.2m-590kc).

Wisconsin-Michigan at Madison, Wis., WHA (535.4m-560kc), WCCO (416.4m-720kc).

Yale-Army at New Haven, WBZ (333.1m-900kc), WEAQ (491.5m-610kc).

At Last Report, Red Grange Was Seen Trying to Tune In

OAKLAND, Calif.—Tune in, that is if you're able, KTAB here every Friday night at 8 o'clock, Pacific time, and learn the grand and glorious art of forward passes, drop kicks, end runs and carrying

the ball. For KTAB announces a course in football which is being given by Nils Price, coach of the University of California, and Ray Cummings, football expert and sporting editor of the Oakland Post-Enquirer. The announcement by KTAB does not say whether cheer practice will follow or precede the lessons.



No. 21
"The Jewel Case"
\$45.00

A Masterpiece of Design—
New Acoustic Principles



No. 18 \$27.50
"The Chinese
Cone-Flex"

Full Orchestral range—
low base of the cone—
high notes of the horn.



No. 9
"The Lantern"
\$12.50

Exceptional beauty,
true recreations, sur-
prisingly low price.



No. 12 — \$16.00
No. 15 — \$23.50
Berkmanite Horn—
Velvet Double
Stylus Unit.

The Ultimate in Radio Recreation!

THE trappings of the Laboratory are gone. In its rich, quiet beauty, the Velvet "Jewel Case" Speaker is at peace in company with your richest furnishings—a rarely precious possession for any home.

For it is not merely beautiful. It is living Radio Recreation itself when it brings in the full rounded tones of the whole orchestration. Tonal beauty that matches its outward delightful dignity. You must hear it—see it—to fully appreciate the long step ahead which Velvet brings to Radio.

Beauty of tone—greater range—beauty of design, beauty of wood, and finish. Soft pleasing creations that harmonize with the most tasteful surroundings. And yet built scientifically to make each varying type bring splendid entertainment into your home. And priced surprisingly low!

Sales Dept.
THE ZINKE CO.
1323 S. Michigan Ave.
Chicago, Ill.

Manufactured by
THE BORKMAN RADIO CORP.
Salt Lake City, Utah
Kalamazoo, Mich.

Velvet Radio Speakers

NAVY DAY CELEBRATED BY BROADCAST

HIGH LIGHTS OF THE AIR

SATURDAY nights will bring to any fan who has a good set and no interference one of the nationally famous orchestras. The Boston Symphony orchestra and the New York Philharmonic orchestra will be on intermittently through WEZ, WJZ, WRC, WGY. Saturdays October 16 and 23 Boston symphony will broadcast. October 30 the New York Philharmonic orchestra returns to the air with a series of students' concerts, which will give the listener a brief but accurate idea of the history of music. The New York Symphony orchestra, under the direction of Walter Damrosch, will be broadcast over the WEAFL chain every Saturday.

Tuesday, October 19, the auction bridge games will be resumed over the WEAFL chain. Tune in any one of the 15 stations giving these games and become a bridge expert.

Midnight jamborees are so fascinating at WDBO, Winter Park, Fla., that this station has decided now that school is in session to transfer these frolics to Friday night so that the "Voice of Central Florida" will not be to blame for low marks. They had requests from both school officials and the children themselves to schedule these frolics for a time when a late hour will not interfere with studying.

New England schools in five different states will be heard in World Morning, October 20, for WTIC, Hartford, when the third lesson in musical appreciation will be taught

by Radio. This lesson will deal primarily with melody. A trumpet, violin and a vocal solo will be used principally to produce a succession of single tones varying in effect to point out the melody of a composition.

Electric Night marking the anniversary of the invention of the incandescent lamp by Thomas Edison, and heretofore a national observance only, will become worldwide October 21 when 50 broadcasting stations scattered throughout the world will join in offering programs to mark the forty-seventh anniversary of Edison's epochal invention. Forty-seven years ago, after months of patient work, Edison carbonized a piece of cotton sewing thread bent into a loop. This he sealed in a glass globe from which the air had been exhausted. The lamp was put on an electric circuit and was lighted brightly to incandescence and burned steadily for over 40 hours.

Many stations have their own light opera companies, but few attempt a grand opera company. WBAL, Baltimore, is courageously undertaking an organization of this sort which will broadcast once a month. The opera for this month is "Rigoletto" and will be given Friday, October 22.

Wednesday, October 27, is Navy Day and all the prominent members of the Navy will speak from one or the other of the various stations. On this day when the Navy comes into its own, the stations give special programs of music adapted to the sea.

Intimate little sketches about Presidents, Emperors and Kings are being given over the microphones of various stations by William H. Crawford, below. Mr. Crawford, who is well known as a political reporter, tells these stories in a delightfully confidential way. He plans his Radio tour from coast to coast.



Friday, October 15

Headlines Today

Eastern 8 p.m.	Central 7:30	Mountain 6:30	Pacific 5:30
WBAL (246m-120kc), Kramer program.			
WJZ (343.1m-90kc), Little Screen Players.			
WJZ (343.1m-90kc), Little Screen Players.			
WOC (483.6m-620kc), Moorman Melody Mixers.			
WGR (319m-940kc), Jack Little.			
WTIC (473.5m-70kc), Rhythmic Paraphraser.			
WJZ (343.1m-90kc), Little Screen Players.			
WOC (483.6m-620kc), Moorman Melody Mixers.			
WGR (319m-940kc), Jack Little.			
WTIC (473.5m-70kc), Rhythmic Paraphraser.			
WJZ (343.1m-90kc), Little Screen Players.			
WOC (483.6m-620kc), Moorman Melody Mixers.			
WGR (319m-940kc), Jack Little.			
WTIC (473.5m-70kc), Rhythmic Paraphraser.			
WJZ (343.1m-90kc), Little Screen Players.			
WOC (483.6m-620kc), Moorman Melody Mixers.			
WGR (319m-940kc), Jack Little.			
WTIC (473.5m-70kc), Rhythmic Paraphraser.			
WJZ (343.1m-90kc), Little Screen Players.			
WOC (483.6m-620kc), Moorman Melody Mixers.			
WGR (319m-940kc), Jack Little.			
WTIC (473.5m-70kc), Rhythmic Paraphraser.			
WJZ (343.1m-90kc), Little Screen Players.			
WOC (483.6m-620kc), Moorman Melody Mixers.			
WGR (319m-940kc), Jack Little.			
WTIC (473.5m-70kc), Rhythmic Paraphraser.			
WJZ (343.1m-90kc), Little Screen Players.			
WOC (483.6m-620kc), Moorman Melody Mixers.			
WGR (319m-940kc), Jack Little.			
WTIC (473.5m-70kc), Rhythmic Paraphraser.			
WJZ (343.1m-90kc), Little Screen Players.			
WOC (483.6m-620kc), Moorman Melody Mixers.			
WGR (319m-940kc), Jack Little.			
WTIC (473.5m-70kc), Rhythmic Paraphraser.			
WJZ (343.1m-90kc), Little Screen Players.			
WOC (483.6m-620kc), Moorman Melody Mixers.			
WGR (319m-940kc), Jack Little.			
WTIC (473.5m-70kc), Rhythmic Paraphraser.			
WJZ (343.1m-90kc), Little Screen Players.			
WOC (483.6m-620kc), Moorman Melody Mixers.			
WGR (319m-940kc), Jack Little.			
WTIC (473.5m-70kc), Rhythmic Paraphraser.			
WJZ (343.1m-90kc), Little Screen Players.			
WOC (483.6m-620kc), Moorman Melody Mixers.			
WGR (319m-940kc), Jack Little.			
WTIC (473.5m-70kc), Rhythmic Paraphraser.			
WJZ (343.1m-90kc), Little Screen Players.			
WOC (483.6m-620kc), Moorman Melody Mixers.			
WGR (319m-940kc), Jack Little.			
WTIC (473.5m-70kc), Rhythmic Paraphraser.			
WJZ (343.1m-90kc), Little Screen Players.			
WOC (483.6m-620kc), Moorman Melody Mixers.			
WGR (319m-940kc), Jack Little.			
WTIC (473.5m-70kc), Rhythmic Paraphraser.			
WJZ (343.1m-90kc), Little Screen Players.			
WOC (483.6m-620kc), Moorman Melody Mixers.			
WGR (319m-940kc), Jack Little.			
WTIC (473.5m-70kc), Rhythmic Paraphraser.			
WJZ (343.1m-90kc), Little Screen Players.			
WOC (483.6m-620kc), Moorman Melody Mixers.			
WGR (319m-940kc), Jack Little.			
WTIC (473.5m-70kc), Rhythmic Paraphraser.			
WJZ (343.1m-90kc), Little Screen Players.			
WOC (483.6m-620kc), Moorman Melody Mixers.			
WGR (319m-940kc), Jack Little.			
WTIC (473.5m-70kc), Rhythmic Paraphraser.			
WJZ (343.1m-90kc), Little Screen Players.			
WOC (483.6m-620kc), Moorman Melody Mixers.			
WGR (319m-940kc), Jack Little.			
WTIC (473.5m-70kc), Rhythmic Paraphraser.			
WJZ (343.1m-90kc), Little Screen Players.			
WOC (483.6m-620kc), Moorman Melody Mixers.			
WGR (319m-940kc), Jack Little.			
WTIC (473.5m-70kc), Rhythmic Paraphraser.			
WJZ (343.1m-90kc), Little Screen Players.			
WOC (483.6m-620kc), Moorman Melody Mixers.			
WGR (319m-940kc), Jack Little.			
WTIC (473.5m-70kc), Rhythmic Paraphraser.			
WJZ (343.1m-90kc), Little Screen Players.			
WOC (483.6m-620kc), Moorman Melody Mixers.			
WGR (319m-940kc), Jack Little.			
WTIC (473.5m-70kc), Rhythmic Paraphraser.			
WJZ (343.1m-90kc), Little Screen Players.			
WOC (483.6m-620kc), Moorman Melody Mixers.			
WGR (319m-940kc), Jack Little.			
WTIC (473.5m-70kc), Rhythmic Paraphraser.			
WJZ (343.1m-90kc), Little Screen Players.			
WOC (483.6m-620kc), Moorman Melody Mixers.			
WGR (319m-940kc), Jack Little.			
WTIC (473.5m-70kc), Rhythmic Paraphraser.			
WJZ (343.1m-90kc), Little Screen Players.			
WOC (483.6m-620kc), Moorman Melody Mixers.			
WGR (319m-940kc), Jack Little.			
WTIC (473.5m-70kc), Rhythmic Paraphraser.			
WJZ (343.1m-90kc), Little Screen Players.			
WOC (483.6m-620kc), Moorman Melody Mixers.			
WGR (319m-940kc), Jack Little.			
WTIC (473.5m-70kc), Rhythmic Paraphraser.			
WJZ (343.1m-90kc), Little Screen Players.			
WOC (483.6m-620kc), Moorman Melody Mixers.			
WGR (319m-940kc), Jack Little.			
WTIC (473.5m-70kc), Rhythmic Paraphraser.			
WJZ (343.1m-90kc), Little Screen Players.			
WOC (483.6m-620kc), Moorman Melody Mixers.			
WGR (319m-940kc), Jack Little.			
WTIC (473.5m-70kc), Rhythmic Paraphraser.			
WJZ (343.1m-90kc), Little Screen Players.			
WOC (483.6m-620kc), Moorman Melody Mixers.			
WGR (319m-940kc), Jack Little.			
WTIC (473.5m-70kc), Rhythmic Paraphraser.			
WJZ (343.1m-90kc), Little Screen Players.			
WOC (483.6m-620kc), Moorman Melody Mixers.			
WGR (319m-940kc), Jack Little.			
WTIC (473.5m-70kc), Rhythmic Paraphraser.			
WJZ (343.1m-90kc), Little Screen Players.			
WOC (483.6m-620kc), Moorman Melody Mixers.			
WGR (319m-940kc), Jack Little.			
WTIC (473.5m-70kc), Rhythmic Paraphraser.			
WJZ (343.1m-90kc), Little Screen Players.			
WOC (483.6m-620kc), Moorman Melody Mixers.			
WGR (319m-940kc), Jack Little.			
WTIC (473.5m-70kc), Rhythmic Paraphraser.			
WJZ (343.1m-90kc), Little Screen Players.			
WOC (483.6m-620kc), Moorman Melody Mixers.			
WGR (319m-940kc), Jack Little.			
WTIC (473.5m-70kc), Rhythmic Paraphraser.			
WJZ (343.1m-90kc), Little Screen Players.			
WOC (483.6m-620kc), Moorman Melody Mixers.			
WGR (319m-940kc), Jack Little.			
WTIC (473.5m-70kc), Rhythmic Paraphraser.			
WJZ (343.1m-90kc), Little Screen Players.			
WOC (483.6m-620kc), Moorman Melody Mixers.			
WGR (319m-940kc), Jack Little.			
WTIC (473.5m-70kc), Rhythmic Paraphraser.			
WJZ (343.1m-90kc), Little Screen Players.			
WOC (483.6m-620kc), Moorman Melody Mixers.			
WGR (319m-940kc), Jack Little.			
WTIC (473.5m-70kc), Rhythmic Paraphraser.			
WJZ (343.1m-90kc), Little Screen Players.			
WOC (483.6m-620kc), Moorman Melody Mixers.			
WGR (319m-940kc), Jack Little.			
WTIC (473.5m-70kc), Rhythmic Paraphraser.			
WJZ (343.1m-90kc), Little Screen Players.			
WOC (483.6m-620kc), Moorman Melody Mixers.			
WGR (319m-940kc), Jack Little.			
WTIC (473.5m-70kc), Rhythmic Paraphraser.			
WJZ (343.1m-90kc), Little Screen Players.			
WOC (483.6m-620kc), Moorman Melody Mixers.			
WGR (319m-940kc), Jack Little.			
WTIC (473.5m-70kc), Rhythmic Paraphraser.			
WJZ (343.1m-90kc), Little Screen Players.			
WOC (483.6m-620kc), Moorman Melody Mixers.			
WGR (319m-940kc), Jack Little.			
WTIC (473.5m-70kc), Rhythmic Paraphraser.			
WJZ (343.1m-90kc), Little Screen Players.			
WOC (483.6m-620kc), Moorman Melody Mixers.			
WGR (319m-940kc), Jack Little.			
WTIC (473.5m-70kc), Rhythmic Paraphraser.			
WJZ (343.1m-90kc), Little Screen Players.			
WOC (483.6m-620kc), Moorman Melody Mixers.			
WGR (319m-940kc), Jack Little.			
WTIC (473.5m-70kc), Rhythmic Paraphraser.			
WJZ (343.1m-90kc), Little Screen Players.			
WOC (483.6m-620kc), Moorman Melody Mixers.			
WGR (319m-940kc), Jack Little.			
WTIC (473.5m-70kc), Rhythmic Paraphraser.			
WJZ (343.1m-90kc), Little Screen Players.			
WOC (483.6m-620kc), Moorman Melody Mixers.			
WGR (319m-940kc), Jack Little.			
WTIC (473.5m-70kc), Rhythmic Paraphraser.			
WJZ (343.1m-90kc), Little Screen Players.			
WOC (483.6m-620kc), Moorman Melody Mixers.			
WGR (319m-940kc), Jack Little.			
WTIC (473.5m-70kc), Rhythmic Paraphraser.			
WJZ (343.1m-90kc), Little Screen Players.			
WOC (483.6m-620kc), Moorman Melody Mixers.			
WGR (319m-940kc), Jack Little.			
WTIC (473.5m-70kc), Rhythmic Paraphraser.			
WJZ (343.1m-90kc), Little Screen Players.			
WOC (483.6m-620kc), Moorman Melody Mixers.			
WGR (319m-940kc), Jack Little.			
WTIC (473.5m-70kc), Rhythmic Paraphraser.			
WJZ (343.1m-90kc), Little Screen Players.			
WOC (483.6m-620kc), Moorman Melody Mixers.			
WGR (319m-940kc), Jack Little.			
WTIC (473.5m-70kc), Rhythmic Paraphraser.			
WJZ (343.1m-90kc), Little Screen Players.			
WOC (483.6m-620kc), Moorman Melody Mixers.			
WGR (319m-940kc), Jack Little.			
WTIC (473.5m-70kc), Rhythmic Paraphraser.			
WJZ (343.1m-90kc), Little Screen Players.			
WOC (483.6m-620kc), Moorman Melody Mixers.			
WGR (319m-940kc), Jack Little.			
WTIC (473.5m-70kc), Rhythmic Paraphraser.			
WJZ (343.1m-90kc), Little Screen Players.			
WOC (483.6m-620kc), Moorman Melody Mixers.			
WGR (319m-940kc), Jack Little.			
WTIC (473.5m-70kc), Rhythmic Paraphraser.			
WJZ (343.1m-90kc), Little Screen Players.			
WOC (483.6m-620kc), Moorman Melody Mixers.			
WGR (319m-940kc), Jack Little.			
WTIC (473.5m-70kc), Rhythmic Paraphraser.			
WJZ (343.1m-90kc), Little Screen Players.			
WOC (483.6m-620kc), Moorman Melody Mixers.			
WGR (319m-940kc), Jack Little.			
WTIC (473.5m-70kc), Rhythmic Paraphraser.			
WJZ (343.1m-90kc), Little Screen Players.			
WOC (483.6m-620kc), Moorman Melody Mixers.			
WGR (319m-940kc), Jack Little.			
WTIC (473.5m-70kc), Rhythmic Paraphraser.			
WJZ (343.1m-90kc), Little Screen Players.			
WOC (483.6m-620kc), Moorman Melody Mixers.			
WGR (319m-940kc), Jack Little.			
WTIC (473.5m-70kc), Rhythmic Paraphraser.			
WJZ (343.1m-90kc), Little Screen Players.			
WOC (483.6m-620kc), Moorman Melody Mixers.			
WGR (319m-940kc), Jack Little.			
WTIC (473.5m-70kc), Rhythmic Paraphraser.			
WJZ (343.1m-90kc), Little Screen Players.			
WOC (483.6m-620kc), Moorman Melody Mixers.			
WGR (319m-940kc), Jack Little.			
WTIC (473.5m-70kc), Rhythmic Paraphraser.			
WJZ (343.1m-90kc), Little Screen Players.			
WOC (483.6m-620kc), Moorman Melody Mixers.			
WGR (319m-940kc), Jack Little.			
WTIC (473.5m-70kc), Rhythmic Paraphraser.			
WJZ (343.1m-90kc), Little Screen Players.			
WOC (483.6m-620kc), Moorman Melody Mixers.			
WGR (319m-940kc), Jack Little.			
WTIC (473.5m-70kc), Rhythmic Paraphraser.			
WJZ (343.1m-90kc), Little Screen Players.			
WOC (483.6m-620kc), Moorman Melody Mixers.			
WGR (319m-940kc), Jack Little.			
WTIC (473.5m-70kc), Rhythmic Paraphraser.			
WJZ (343.1m-90kc), Little Screen Players.			
WOC (483.6m-620kc), Mo			

WWJ, Detroit, Mich. (352.7m-850kc), 10 a. m., First Presbyterian church; 2 p. m., News orchestra; 7:20, WEAF; 9:15, WEAF.

Central Time Stations

CKY, Winnipeg, Can. (384.4m-780kc), 11 a. m., Wesleyan church; 7:30, English Lutheran church; 9:10, Royal Alexandra hospital.
KFAB, Lincoln, Neb. (340.7m-880kc), 9:10-30 p. m., Sunday evening music.
KFNH, Shenandoah, Iowa (461.3m-650kc), 10:45 a. m., Presbyterian church; 2:30 p. m., Seed House song service; 8:30, Men's Gospel team; 6:30, Golden Rule circle; 7:30, Baptist church.

WSUL, Iowa City, Iowa (483.6m-620kc), 4 p. m., vesper service; University orchestra, chorus; 9:30, familiar hymns.

Mountain Time Stations

KOA, Denver, Colo. (322.4m-930kc), 10:50 a. m., First Church of Christ, scientist; 5:30 p. m., organ recital, carillon choir; 7:50, Services, First Church of Christ, scientist.
Pacific Time Stations
KFI, Los Angeles, Calif. (467m-642kc), 7-8 p. m., orchestra from Solomon's; 9:30, Aerialian organ recital; 9:10, Bob Botter's Venetians; 10-11, Packer and Six dance orchestra.

Monday, October 18

Headliners Today

Table with 4 columns: Eastern, Central, Mountain, Pacific. Lists radio stations and their headliner programs for Monday, October 18.

Eastern Time Stations

KDKA, Pittsburgh, Pa. (389.1m-970kc), 6:15 p. m., Florida club orchestra; 7:45, 11, 30, 45, 55, 65, 75, 85, 95, 105, 115, 125, 135, 145, 155, 165, 175, 185, 195, 205, 215, 225, 235, 245, 255, 265, 275, 285, 295, 305, 315, 325, 335, 345, 355, 365, 375, 385, 395, 405, 415, 425, 435, 445, 455, 465, 475, 485, 495, 505, 515, 525, 535, 545, 555, 565, 575, 585, 595, 605, 615, 625, 635, 645, 655, 665, 675, 685, 695, 705, 715, 725, 735, 745, 755, 765, 775, 785, 795, 805, 815, 825, 835, 845, 855, 865, 875, 885, 895, 905, 915, 925, 935, 945, 955, 965, 975, 985, 995, 1005, 1015, 1025, 1035, 1045, 1055, 1065, 1075, 1085, 1095, 1105, 1115, 1125, 1135, 1145, 1155, 1165, 1175, 1185, 1195, 1205, 1215, 1225, 1235, 1245, 1255, 1265, 1275, 1285, 1295, 1305, 1315, 1325, 1335, 1345, 1355, 1365, 1375, 1385, 1395, 1405, 1415, 1425, 1435, 1445, 1455, 1465, 1475, 1485, 1495, 1505, 1515, 1525, 1535, 1545, 1555, 1565, 1575, 1585, 1595, 1605, 1615, 1625, 1635, 1645, 1655, 1665, 1675, 1685, 1695, 1705, 1715, 1725, 1735, 1745, 1755, 1765, 1775, 1785, 1795, 1805, 1815, 1825, 1835, 1845, 1855, 1865, 1875, 1885, 1895, 1905, 1915, 1925, 1935, 1945, 1955, 1965, 1975, 1985, 1995, 2005, 2015, 2025, 2035, 2045, 2055, 2065, 2075, 2085, 2095, 2105, 2115, 2125, 2135, 2145, 2155, 2165, 2175, 2185, 2195, 2205, 2215, 2225, 2235, 2245, 2255, 2265, 2275, 2285, 2295, 2305, 2315, 2325, 2335, 2345, 2355, 2365, 2375, 2385, 2395, 2405, 2415, 2425, 2435, 2445, 2455, 2465, 2475, 2485, 2495, 2505, 2515, 2525, 2535, 2545, 2555, 2565, 2575, 2585, 2595, 2605, 2615, 2625, 2635, 2645, 2655, 2665, 2675, 2685, 2695, 2705, 2715, 2725, 2735, 2745, 2755, 2765, 2775, 2785, 2795, 2805, 2815, 2825, 2835, 2845, 2855, 2865, 2875, 2885, 2895, 2905, 2915, 2925, 2935, 2945, 2955, 2965, 2975, 2985, 2995, 3005, 3015, 3025, 3035, 3045, 3055, 3065, 3075, 3085, 3095, 3105, 3115, 3125, 3135, 3145, 3155, 3165, 3175, 3185, 3195, 3205, 3215, 3225, 3235, 3245, 3255, 3265, 3275, 3285, 3295, 3305, 3315, 3325, 3335, 3345, 3355, 3365, 3375, 3385, 3395, 3405, 3415, 3425, 3435, 3445, 3455, 3465, 3475, 3485, 3495, 3505, 3515, 3525, 3535, 3545, 3555, 3565, 3575, 3585, 3595, 3605, 3615, 3625, 3635, 3645, 3655, 3665, 3675, 3685, 3695, 3705, 3715, 3725, 3735, 3745, 3755, 3765, 3775, 3785, 3795, 3805, 3815, 3825, 3835, 3845, 3855, 3865, 3875, 3885, 3895, 3905, 3915, 3925, 3935, 3945, 3955, 3965, 3975, 3985, 3995, 4005, 4015, 4025, 4035, 4045, 4055, 4065, 4075, 4085, 4095, 4105, 4115, 4125, 4135, 4145, 4155, 4165, 4175, 4185, 4195, 4205, 4215, 4225, 4235, 4245, 4255, 4265, 4275, 4285, 4295, 4305, 4315, 4325, 4335, 4345, 4355, 4365, 4375, 4385, 4395, 4405, 4415, 4425, 4435, 4445, 4455, 4465, 4475, 4485, 4495, 4505, 4515, 4525, 4535, 4545, 4555, 4565, 4575, 4585, 4595, 4605, 4615, 4625, 4635, 4645, 4655, 4665, 4675, 4685, 4695, 4705, 4715, 4725, 4735, 4745, 4755, 4765, 4775, 4785, 4795, 4805, 4815, 4825, 4835, 4845, 4855, 4865, 4875, 4885, 4895, 4905, 4915, 4925, 4935, 4945, 4955, 4965, 4975, 4985, 4995, 5005, 5015, 5025, 5035, 5045, 5055, 5065, 5075, 5085, 5095, 5105, 5115, 5125, 5135, 5145, 5155, 5165, 5175, 5185, 5195, 5205, 5215, 5225, 5235, 5245, 5255, 5265, 5275, 5285, 5295, 5305, 5315, 5325, 5335, 5345, 5355, 5365, 5375, 5385, 5395, 5405, 5415, 5425, 5435, 5445, 5455, 5465, 5475, 5485, 5495, 5505, 5515, 5525, 5535, 5545, 5555, 5565, 5575, 5585, 5595, 5605, 5615, 5625, 5635, 5645, 5655, 5665, 5675, 5685, 5695, 5705, 5715, 5725, 5735, 5745, 5755, 5765, 5775, 5785, 5795, 5805, 5815, 5825, 5835, 5845, 5855, 5865, 5875, 5885, 5895, 5905, 5915, 5925, 5935, 5945, 5955, 5965, 5975, 5985, 5995, 6005, 6015, 6025, 6035, 6045, 6055, 6065, 6075, 6085, 6095, 6105, 6115, 6125, 6135, 6145, 6155, 6165, 6175, 6185, 6195, 6205, 6215, 6225, 6235, 6245, 6255, 6265, 6275, 6285, 6295, 6305, 6315, 6325, 6335, 6345, 6355, 6365, 6375, 6385, 6395, 6405, 6415, 6425, 6435, 6445, 6455, 6465, 6475, 6485, 6495, 6505, 6515, 6525, 6535, 6545, 6555, 6565, 6575, 6585, 6595, 6605, 6615, 6625, 6635, 6645, 6655, 6665, 6675, 6685, 6695, 6705, 6715, 6725, 6735, 6745, 6755, 6765, 6775, 6785, 6795, 6805, 6815, 6825, 6835, 6845, 6855, 6865, 6875, 6885, 6895, 6905, 6915, 6925, 6935, 6945, 6955, 6965, 6975, 6985, 6995, 7005, 7015, 7025, 7035, 7045, 7055, 7065, 7075, 7085, 7095, 7105, 7115, 7125, 7135, 7145, 7155, 7165, 7175, 7185, 7195, 7205, 7215, 7225, 7235, 7245, 7255, 7265, 7275, 7285, 7295, 7305, 7315, 7325, 7335, 7345, 7355, 7365, 7375, 7385, 7395, 7405, 7415, 7425, 7435, 7445, 7455, 7465, 7475, 7485, 7495, 7505, 7515, 7525, 7535, 7545, 7555, 7565, 7575, 7585, 7595, 7605, 7615, 7625, 7635, 7645, 7655, 7665, 7675, 7685, 7695, 7705, 7715, 7725, 7735, 7745, 7755, 7765, 7775, 7785, 7795, 7805, 7815, 7825, 7835, 7845, 7855, 7865, 7875, 7885, 7895, 7905, 7915, 7925, 7935, 7945, 7955, 7965, 7975, 7985, 7995, 8005, 8015, 8025, 8035, 8045, 8055, 8065, 8075, 8085, 8095, 8105, 8115, 8125, 8135, 8145, 8155, 8165, 8175, 8185, 8195, 8205, 8215, 8225, 8235, 8245, 8255, 8265, 8275, 8285, 8295, 8305, 8315, 8325, 8335, 8345, 8355, 8365, 8375, 8385, 8395, 8405, 8415, 8425, 8435, 8445, 8455, 8465, 8475, 8485, 8495, 8505, 8515, 8525, 8535, 8545, 8555, 8565, 8575, 8585, 8595, 8605, 8615, 8625, 8635, 8645, 8655, 8665, 8675, 8685, 8695, 8705, 8715, 8725, 8735, 8745, 8755, 8765, 8775, 8785, 8795, 8805, 8815, 8825, 8835, 8845, 8855, 8865, 8875, 8885, 8895, 8905, 8915, 8925, 8935, 8945, 8955, 8965, 8975, 8985, 8995, 9005, 9015, 9025, 9035, 9045, 9055, 9065, 9075, 9085, 9095, 9105, 9115, 9125, 9135, 9145, 9155, 9165, 9175, 9185, 9195, 9205, 9215, 9225, 9235, 9245, 9255, 9265, 9275, 9285, 9295, 9305, 9315, 9325, 9335, 9345, 9355, 9365, 9375, 9385, 9395, 9405, 9415, 9425, 9435, 9445, 9455, 9465, 9475, 9485, 9495, 9505, 9515, 9525, 9535, 9545, 9555, 9565, 9575, 9585, 9595, 9605, 9615, 9625, 9635, 9645, 9655, 9665, 9675, 9685, 9695, 9705, 9715, 9725, 9735, 9745, 9755, 9765, 9775, 9785, 9795, 9805, 9815, 9825, 9835, 9845, 9855, 9865, 9875, 9885, 9895, 9905, 9915, 9925, 9935, 9945, 9955, 9965, 9975, 9985, 9995, 10005, 10015, 10025, 10035, 10045, 10055, 10065, 10075, 10085, 10095, 10105, 10115, 10125, 10135, 10145, 10155, 10165, 10175, 10185, 10195, 10205, 10215, 10225, 10235, 10245, 10255, 10265, 10275, 10285, 10295, 10305, 10315, 10325, 10335, 10345, 10355, 10365, 10375, 10385, 10395, 10405, 10415, 10425, 10435, 10445, 10455, 10465, 10475, 10485, 10495, 10505, 10515, 10525, 10535, 10545, 10555, 10565, 10575, 10585, 10595, 10605, 10615, 10625, 10635, 10645, 10655, 10665, 10675, 10685, 10695, 10705, 10715, 10725, 10735, 10745, 10755, 10765, 10775, 10785, 10795, 10805, 10815, 10825, 10835, 10845, 10855, 10865, 10875, 10885, 10895, 10905, 10915, 10925, 10935, 10945, 10955, 10965, 10975, 10985, 10995, 11005, 11015, 11025, 11035, 11045, 11055, 11065, 11075, 11085, 11095, 11105, 11115, 11125, 11135, 11145, 11155, 11165, 11175, 11185, 11195, 11205, 11215, 11225, 11235, 11245, 11255, 11265, 11275, 11285, 11295, 11305, 11315, 11325, 11335, 11345, 11355, 11365, 11375, 11385, 11395, 11405, 11415, 11425, 11435, 11445, 11455, 11465, 11475, 11485, 11495, 11505, 11515, 11525, 11535, 11545, 11555, 11565, 11575, 11585, 11595, 11605, 11615, 11625, 11635, 11645, 11655, 11665, 11675, 11685, 11695, 11705, 11715, 11725, 11735, 11745, 11755, 11765, 11775, 11785, 11795, 11805, 11815, 11825, 11835, 11845, 11855, 11865, 11875, 11885, 11895, 11905, 11915, 11925, 11935, 11945, 11955, 11965, 11975, 11985, 11995, 12005, 12015, 12025, 12035, 12045, 12055, 12065, 12075, 12085, 12095, 12105, 12115, 12125, 12135, 12145, 12155, 12165, 12175, 12185, 12195, 12205, 12215, 12225, 12235, 12245, 12255, 12265, 12275, 12285, 12295, 12305, 12315, 12325, 12335, 12345, 12355, 12365, 12375, 12385, 12395, 12405, 12415, 12425, 12435, 12445, 12455, 12465, 12475, 12485, 12495, 12505, 12515, 12525, 12535, 12545, 12555, 12565, 12575, 12585, 12595, 12605, 12615, 12625, 12635, 12645, 12655, 12665, 12675, 12685, 12695, 12705, 12715, 12725, 12735, 12745, 12755, 12765, 12775, 12785, 12795, 12805, 12815, 12825, 12835, 12845, 12855, 12865, 12875, 12885, 12895, 12905, 12915, 12925, 12935, 12945, 12955, 12965, 12975, 12985, 12995, 13005, 13015, 13025, 13035, 13045, 13055, 13065, 13075, 13085, 13095, 13105, 13115, 13125, 13135, 13145, 13155, 13165, 13175, 13185, 13195, 13205, 13215, 13225, 13235, 13245, 13255, 13265, 13275, 13285, 13295, 13305, 13315, 13325, 13335, 13345, 13355, 13365, 13375, 13385, 13395, 13405, 13415, 13425, 13435, 13445, 13455, 13465, 13475, 13485, 13495, 13505, 13515, 13525, 13535, 13545, 13555, 13565, 13575, 13585, 13595, 13605, 13615, 13625, 13635, 13645, 13655, 13665, 13675, 13685, 13695, 13705, 13715, 13725, 13735, 13745, 13755, 13765, 13775, 13785, 13795, 13805, 13815, 13825, 13835, 13845, 13855, 13865, 13875, 13885, 13895, 13905, 13915, 13925, 13935, 13945, 13955, 13965, 13975, 13985, 13995, 14005, 14015, 14025, 14035, 14045, 14055, 14065, 14075, 14085, 14095, 14105, 14115, 14125, 14135, 14145, 14155, 14165, 14175, 14185, 14195, 14205, 14215, 14225, 14235, 14245, 14255, 14265, 14275, 14285, 14295, 14305, 14315, 14325, 14335, 14345, 14355, 14365, 14375, 14385, 14395, 14405, 14415, 14425, 14435, 14445, 14455, 14465, 14475, 14485, 14495, 14505, 14515, 14525, 14535, 14545, 14555, 14565, 14575, 14585, 14595, 14605, 14615, 14625, 14635, 14645, 14655, 14665, 14675, 14685, 14695, 14705, 14715, 14725, 14735, 14745, 14755, 14765, 14775, 14785, 14795, 14805, 14815, 14825, 14835, 14845, 14855, 14865, 14875, 14885, 14895, 14905, 14915, 14925, 14935, 14945, 14955, 14965, 14975, 14985, 14995, 15005, 15015, 15025, 15035, 15045, 15055, 15065, 15075, 15085, 15095, 15105, 15115, 15125, 15135, 15145, 15155, 15165, 15175, 15185, 15195, 15205, 15215, 15225, 15235, 15245, 15255, 15265, 15275, 15285, 15295, 15305, 15315, 15325, 15335, 15345, 15355, 15365, 15375, 15385, 15395, 15405, 15415, 15425, 15435, 15445, 15455, 15465, 15475, 15485, 15495, 15505, 15515, 15525, 15535, 15545, 15555, 15565, 15575, 15585, 15595, 15605, 15615, 15625, 15635, 15645, 15655, 15665, 15675, 15685, 15695, 15705, 15715, 15725, 15735, 15745, 15755, 15765, 15775, 15785, 15795, 15805, 15815, 15825, 15835, 15845, 15855, 15865, 15875, 15885, 15895, 15905, 15915, 15925, 15935, 15945, 15955, 15965, 15975, 15985, 15995, 16005, 16015, 16025, 16035, 16045, 16055, 16065, 16075, 16085, 16095, 16105, 16115, 16125, 16135, 16145, 16155, 16165, 16175, 16185, 16195, 16205, 16215, 16225, 16235, 16245, 16255, 16265, 16275, 16285, 16295, 16305, 16315, 16325, 16335, 16345, 16355, 16365, 16375, 16385, 16395, 16405, 16415, 16425, 16435, 16445, 16455, 16465, 16475, 16485, 16495, 16505, 16515, 16525, 16535, 16545, 16555, 16565, 16575, 16585, 16595, 16605, 16615, 16625, 16635, 16645, 16655, 16665, 16675, 16685, 16695, 16705, 16715, 16725, 16735, 16745, 16755, 16765, 16775, 16785, 16795, 16805, 16815, 16825, 16835, 16845, 16855, 16865, 16875, 16885, 16895, 16905, 16915, 16925, 16935, 16945, 16955, 16965, 16975, 16985, 16995, 17005, 17015, 17025, 17035, 17045, 17055, 17065, 17075, 17085, 17095, 17105, 17115, 17125, 17135, 17145, 17155, 17165, 17175, 17185, 17195, 17205, 17215, 17225, 17235, 17245, 17255, 17265, 17275, 17285, 17295, 17305, 17315, 17325, 17335, 17345, 17355, 17365, 17375, 17385, 17395, 17405, 17415, 17425, 17435, 17445, 17455, 17465, 17475, 17485, 17495, 17505, 17515, 17525, 17535, 17545, 17555, 17565, 17575, 17585, 17595, 17605, 17615, 17625, 17635, 17645, 17655, 17665, 17675, 17685, 17695, 17705, 17715, 17725, 17735, 17745, 17755, 17765, 17775, 17785, 17795, 17805, 17815, 17825, 17835, 17845, 17855, 17865, 17875, 17885, 17895, 17905, 17915, 17925, 17

Eastern Central Mountain Pacific
WCAF 491.5m-610kc, WEEL WSDT, WTAG, WKAR, WJAL, WJVL, WJWV, WSAI, WGN, WOC, WCCO, WCX, WUAJ, Bridge Instructions, 1, 8, 10
KMOX (280.2m-1070kc), Fantasia 7 "Yellow Leaves" 12
KFI (467m-640kc), Packard Radio club, 11 10

Tuesday silent night for: CFCA, KFK, KEFK, KFUD, KOE, KTAB, KWVG, PWX, WAHG, WAMB, WBBR, WCCP, WOCF, WOS, WRVA, WSMB, WSUL, WTAM, WVIC.

Eastern Time Stations

KDKA, Pittsburgh, Pa. (309.1m-970kc), 6:15 p. m., KDKA Little symphony orchestra; 7:45, U. of Pittsburgh; 8, sacred songs; 8:45, gems from American literature; 9, Albert R. Moses; 9, KDKA string quartet; 1:35, Grand theater.
WBZ, Springfield, Mass. (333.1m-900kc), 6:15 p. m., Arthur Clifton, organist; 6:30, Ethel Andrews and his Broadway Frolics; 7:35, Hotel Westminster orchestra; 7:45, Repertory theater concert orchestra; 8, Champion Speaker; 9, Arthur Haakon, baritone; 10, Morick trio.
WCX, Detroit, Mich. (516.2m-580kc), 6:15 p. m., dinner program; 6:55, ensemble; 7, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36, 37, 38, 39, 40, 41, 42, 43, 44, 45, 46, 47, 48, 49, 50, 51, 52, 53, 54, 55, 56, 57, 58, 59, 60, 61, 62, 63, 64, 65, 66, 67, 68, 69, 70, 71, 72, 73, 74, 75, 76, 77, 78, 79, 80, 81, 82, 83, 84, 85, 86, 87, 88, 89, 90, 91, 92, 93, 94, 95, 96, 97, 98, 99, 100, 101, 102, 103, 104, 105, 106, 107, 108, 109, 110, 111, 112, 113, 114, 115, 116, 117, 118, 119, 120, 121, 122, 123, 124, 125, 126, 127, 128, 129, 130, 131, 132, 133, 134, 135, 136, 137, 138, 139, 140, 141, 142, 143, 144, 145, 146, 147, 148, 149, 150, 151, 152, 153, 154, 155, 156, 157, 158, 159, 160, 161, 162, 163, 164, 165, 166, 167, 168, 169, 170, 171, 172, 173, 174, 175, 176, 177, 178, 179, 180, 181, 182, 183, 184, 185, 186, 187, 188, 189, 190, 191, 192, 193, 194, 195, 196, 197, 198, 199, 200, 201, 202, 203, 204, 205, 206, 207, 208, 209, 210, 211, 212, 213, 214, 215, 216, 217, 218, 219, 220, 221, 222, 223, 224, 225, 226, 227, 228, 229, 230, 231, 232, 233, 234, 235, 236, 237, 238, 239, 240, 241, 242, 243, 244, 245, 246, 247, 248, 249, 250, 251, 252, 253, 254, 255, 256, 257, 258, 259, 260, 261, 262, 263, 264, 265, 266, 267, 268, 269, 270, 271, 272, 273, 274, 275, 276, 277, 278, 279, 280, 281, 282, 283, 284, 285, 286, 287, 288, 289, 290, 291, 292, 293, 294, 295, 296, 297, 298, 299, 300, 301, 302, 303, 304, 305, 306, 307, 308, 309, 310, 311, 312, 313, 314, 315, 316, 317, 318, 319, 320, 321, 322, 323, 324, 325, 326, 327, 328, 329, 330, 331, 332, 333, 334, 335, 336, 337, 338, 339, 340, 341, 342, 343, 344, 345, 346, 347, 348, 349, 350, 351, 352, 353, 354, 355, 356, 357, 358, 359, 360, 361, 362, 363, 364, 365, 366, 367, 368, 369, 370, 371, 372, 373, 374, 375, 376, 377, 378, 379, 380, 381, 382, 383, 384, 385, 386, 387, 388, 389, 390, 391, 392, 393, 394, 395, 396, 397, 398, 399, 400, 401, 402, 403, 404, 405, 406, 407, 408, 409, 410, 411, 412, 413, 414, 415, 416, 417, 418, 419, 420, 421, 422, 423, 424, 425, 426, 427, 428, 429, 430, 431, 432, 433, 434, 435, 436, 437, 438, 439, 440, 441, 442, 443, 444, 445, 446, 447, 448, 449, 450, 451, 452, 453, 454, 455, 456, 457, 458, 459, 460, 461, 462, 463, 464, 465, 466, 467, 468, 469, 470, 471, 472, 473, 474, 475, 476, 477, 478, 479, 480, 481, 482, 483, 484, 485, 486, 487, 488, 489, 490, 491, 492, 493, 494, 495, 496, 497, 498, 499, 500, 501, 502, 503, 504, 505, 506, 507, 508, 509, 510, 511, 512, 513, 514, 515, 516, 517, 518, 519, 520, 521, 522, 523, 524, 525, 526, 527, 528, 529, 530, 531, 532, 533, 534, 535, 536, 537, 538, 539, 540, 541, 542, 543, 544, 545, 546, 547, 548, 549, 550, 551, 552, 553, 554, 555, 556, 557, 558, 559, 560, 561, 562, 563, 564, 565, 566, 567, 568, 569, 570, 571, 572, 573, 574, 575, 576, 577, 578, 579, 580, 581, 582, 583, 584, 585, 586, 587, 588, 589, 590, 591, 592, 593, 594, 595, 596, 597, 598, 599, 600, 601, 602, 603, 604, 605, 606, 607, 608, 609, 610, 611, 612, 613, 614, 615, 616, 617, 618, 619, 620, 621, 622, 623, 624, 625, 626, 627, 628, 629, 630, 631, 632, 633, 634, 635, 636, 637, 638, 639, 640, 641, 642, 643, 644, 645, 646, 647, 648, 649, 650, 651, 652, 653, 654, 655, 656, 657, 658, 659, 660, 661, 662, 663, 664, 665, 666, 667, 668, 669, 670, 671, 672, 673, 674, 675, 676, 677, 678, 679, 680, 681, 682, 683, 684, 685, 686, 687, 688, 689, 690, 691, 692, 693, 694, 695, 696, 697, 698, 699, 700, 701, 702, 703, 704, 705, 706, 707, 708, 709, 710, 711, 712, 713, 714, 715, 716, 717, 718, 719, 720, 721, 722, 723, 724, 725, 726, 727, 728, 729, 730, 731, 732, 733, 734, 735, 736, 737, 738, 739, 740, 741, 742, 743, 744, 745, 746, 747, 748, 749, 750, 751, 752, 753, 754, 755, 756, 757, 758, 759, 760, 761, 762, 763, 764, 765, 766, 767, 768, 769, 770, 771, 772, 773, 774, 775, 776, 777, 778, 779, 780, 781, 782, 783, 784, 785, 786, 787, 788, 789, 790, 791, 792, 793, 794, 795, 796, 797, 798, 799, 800, 801, 802, 803, 804, 805, 806, 807, 808, 809, 810, 811, 812, 813, 814, 815, 816, 817, 818, 819, 820, 821, 822, 823, 824, 825, 826, 827, 828, 829, 830, 831, 832, 833, 834, 835, 836, 837, 838, 839, 840, 841, 842, 843, 844, 845, 846, 847, 848, 849, 850, 851, 852, 853, 854, 855, 856, 857, 858, 859, 860, 861, 862, 863, 864, 865, 866, 867, 868, 869, 870, 871, 872, 873, 874, 875, 876, 877, 878, 879, 880, 881, 882, 883, 884, 885, 886, 887, 888, 889, 890, 891, 892, 893, 894, 895, 896, 897, 898, 899, 900, 901, 902, 903, 904, 905, 906, 907, 908, 909, 910, 911, 912, 913, 914, 915, 916, 917, 918, 919, 920, 921, 922, 923, 924, 925, 926, 927, 928, 929, 930, 931, 932, 933, 934, 935, 936, 937, 938, 939, 940, 941, 942, 943, 944, 945, 946, 947, 948, 949, 950, 951, 952, 953, 954, 955, 956, 957, 958, 959, 960, 961, 962, 963, 964, 965, 966, 967, 968, 969, 970, 971, 972, 973, 974, 975, 976, 977, 978, 979, 980, 981, 982, 983, 984, 985, 986, 987, 988, 989, 990, 991, 992, 993, 994, 995, 996, 997, 998, 999, 1000.

WJZ, New York, N. Y. (464.3m-660kc), 7 p. m., Hotel Commodore dinner orchestra; 7:55, Major L. D. Gardner, talk on aviation; 8, Imperial Inn; 8:30, Deuber Hamden, watchmaker; 9, 12, A. White tour; 10, Keenan Boys; 10:30, Hotel Astor orchestra.
WLIT, Philadelphia, Pa. (384.5m-760kc), 7:30 p. m., Dream Daddy's bedtime stories; 8, dance orchestra; 8:30, WEAF; 9, Stanley theater hour of music; 10, Arcadia cafe dance orchestra.
WLW, Cincinnati, O. (422.3m-710kc), 7:40 p. m., Robert Visconti's orchestra; 10, "Pink of Frograms"; 11, recital, Johanna Gross, organist.
WMCA, New York, N. Y. (340.7m-880kc), 6 p. m., Oloffe Vail and his Hotel McAlpin string ensemble; 6:30, Ernie Golden and his Hotel McAlpin orchestra; 7:30, Finckelberg's Harmony Boys; 12 m., McAlpin entertainers.
WOR, Newark, N. J. (405.2m-740kc), 6:15 p. m., Jacques Jacobs' Hotel Shelton ensemble; 6:45, Bill Watley in shorts; 7, Jacques Jacobs' Hotel Shelton ensemble; 7:25, Newark Evening News; 7:30, Crystal Palace orchestra; 8:15, Vaudebit Hotel orchestra; 9, Studio Guild program.

WJZ, New York, N. Y. (464.3m-660kc), 7 p. m., Hotel Commodore dinner orchestra; 7:55, Major L. D. Gardner, talk on aviation; 8, Imperial Inn; 8:30, Deuber Hamden, watchmaker; 9, 12, A. White tour; 10, Keenan Boys; 10:30, Hotel Astor orchestra.
WLIT, Philadelphia, Pa. (384.5m-760kc), 7:30 p. m., Dream Daddy's bedtime stories; 8, dance orchestra; 8:30, WEAF; 9, Stanley theater hour of music; 10, Arcadia cafe dance orchestra.
WLW, Cincinnati, O. (422.3m-710kc), 7:40 p. m., Robert Visconti's orchestra; 10, "Pink of Frograms"; 11, recital, Johanna Gross, organist.
WMCA, New York, N. Y. (340.7m-880kc), 6 p. m., Oloffe Vail and his Hotel McAlpin string ensemble; 6:30, Ernie Golden and his Hotel McAlpin orchestra; 7:30, Finckelberg's Harmony Boys; 12 m., McAlpin entertainers.
WOR, Newark, N. J. (405.2m-740kc), 6:15 p. m., Jacques Jacobs' Hotel Shelton ensemble; 6:45, Bill Watley in shorts; 7, Jacques Jacobs' Hotel Shelton ensemble; 7:25, Newark Evening News; 7:30, Crystal Palace orchestra; 8:15, Vaudebit Hotel orchestra; 9, Studio Guild program.

WJZ, New York, N. Y. (464.3m-660kc), 7 p. m., Hotel Commodore dinner orchestra; 7:55, Major L. D. Gardner, talk on aviation; 8, Imperial Inn; 8:30, Deuber Hamden, watchmaker; 9, 12, A. White tour; 10, Keenan Boys; 10:30, Hotel Astor orchestra.
WLIT, Philadelphia, Pa. (384.5m-760kc), 7:30 p. m., Dream Daddy's bedtime stories; 8, dance orchestra; 8:30, WEAF; 9, Stanley theater hour of music; 10, Arcadia cafe dance orchestra.
WLW, Cincinnati, O. (422.3m-710kc), 7:40 p. m., Robert Visconti's orchestra; 10, "Pink of Frograms"; 11, recital, Johanna Gross, organist.
WMCA, New York, N. Y. (340.7m-880kc), 6 p. m., Oloffe Vail and his Hotel McAlpin string ensemble; 6:30, Ernie Golden and his Hotel McAlpin orchestra; 7:30, Finckelberg's Harmony Boys; 12 m., McAlpin entertainers.
WOR, Newark, N. J. (405.2m-740kc), 6:15 p. m., Jacques Jacobs' Hotel Shelton ensemble; 6:45, Bill Watley in shorts; 7, Jacques Jacobs' Hotel Shelton ensemble; 7:25, Newark Evening News; 7:30, Crystal Palace orchestra; 8:15, Vaudebit Hotel orchestra; 9, Studio Guild program.

WJZ, New York, N. Y. (464.3m-660kc), 7 p. m., Hotel Commodore dinner orchestra; 7:55, Major L. D. Gardner, talk on aviation; 8, Imperial Inn; 8:30, Deuber Hamden, watchmaker; 9, 12, A. White tour; 10, Keenan Boys; 10:30, Hotel Astor orchestra.
WLIT, Philadelphia, Pa. (384.5m-760kc), 7:30 p. m., Dream Daddy's bedtime stories; 8, dance orchestra; 8:30, WEAF; 9, Stanley theater hour of music; 10, Arcadia cafe dance orchestra.
WLW, Cincinnati, O. (422.3m-710kc), 7:40 p. m., Robert Visconti's orchestra; 10, "Pink of Frograms"; 11, recital, Johanna Gross, organist.
WMCA, New York, N. Y. (340.7m-880kc), 6 p. m., Oloffe Vail and his Hotel McAlpin string ensemble; 6:30, Ernie Golden and his Hotel McAlpin orchestra; 7:30, Finckelberg's Harmony Boys; 12 m., McAlpin entertainers.
WOR, Newark, N. J. (405.2m-740kc), 6:15 p. m., Jacques Jacobs' Hotel Shelton ensemble; 6:45, Bill Watley in shorts; 7, Jacques Jacobs' Hotel Shelton ensemble; 7:25, Newark Evening News; 7:30, Crystal Palace orchestra; 8:15, Vaudebit Hotel orchestra; 9, Studio Guild program.

WJZ, New York, N. Y. (464.3m-660kc), 7 p. m., Hotel Commodore dinner orchestra; 7:55, Major L. D. Gardner, talk on aviation; 8, Imperial Inn; 8:30, Deuber Hamden, watchmaker; 9, 12, A. White tour; 10, Keenan Boys; 10:30, Hotel Astor orchestra.
WLIT, Philadelphia, Pa. (384.5m-760kc), 7:30 p. m., Dream Daddy's bedtime stories; 8, dance orchestra; 8:30, WEAF; 9, Stanley theater hour of music; 10, Arcadia cafe dance orchestra.
WLW, Cincinnati, O. (422.3m-710kc), 7:40 p. m., Robert Visconti's orchestra; 10, "Pink of Frograms"; 11, recital, Johanna Gross, organist.
WMCA, New York, N. Y. (340.7m-880kc), 6 p. m., Oloffe Vail and his Hotel McAlpin string ensemble; 6:30, Ernie Golden and his Hotel McAlpin orchestra; 7:30, Finckelberg's Harmony Boys; 12 m., McAlpin entertainers.
WOR, Newark, N. J. (405.2m-740kc), 6:15 p. m., Jacques Jacobs' Hotel Shelton ensemble; 6:45, Bill Watley in shorts; 7, Jacques Jacobs' Hotel Shelton ensemble; 7:25, Newark Evening News; 7:30, Crystal Palace orchestra; 8:15, Vaudebit Hotel orchestra; 9, Studio Guild program.

WJZ, New York, N. Y. (464.3m-660kc), 7 p. m., Hotel Commodore dinner orchestra; 7:55, Major L. D. Gardner, talk on aviation; 8, Imperial Inn; 8:30, Deuber Hamden, watchmaker; 9, 12, A. White tour; 10, Keenan Boys; 10:30, Hotel Astor orchestra.
WLIT, Philadelphia, Pa. (384.5m-760kc), 7:30 p. m., Dream Daddy's bedtime stories; 8, dance orchestra; 8:30, WEAF; 9, Stanley theater hour of music; 10, Arcadia cafe dance orchestra.
WLW, Cincinnati, O. (422.3m-710kc), 7:40 p. m., Robert Visconti's orchestra; 10, "Pink of Frograms"; 11, recital, Johanna Gross, organist.
WMCA, New York, N. Y. (340.7m-880kc), 6 p. m., Oloffe Vail and his Hotel McAlpin string ensemble; 6:30, Ernie Golden and his Hotel McAlpin orchestra; 7:30, Finckelberg's Harmony Boys; 12 m., McAlpin entertainers.
WOR, Newark, N. J. (405.2m-740kc), 6:15 p. m., Jacques Jacobs' Hotel Shelton ensemble; 6:45, Bill Watley in shorts; 7, Jacques Jacobs' Hotel Shelton ensemble; 7:25, Newark Evening News; 7:30, Crystal Palace orchestra; 8:15, Vaudebit Hotel orchestra; 9, Studio Guild program.

WJZ, New York, N. Y. (464.3m-660kc), 7 p. m., Hotel Commodore dinner orchestra; 7:55, Major L. D. Gardner, talk on aviation; 8, Imperial Inn; 8:30, Deuber Hamden, watchmaker; 9, 12, A. White tour; 10, Keenan Boys; 10:30, Hotel Astor orchestra.
WLIT, Philadelphia, Pa. (384.5m-760kc), 7:30 p. m., Dream Daddy's bedtime stories; 8, dance orchestra; 8:30, WEAF; 9, Stanley theater hour of music; 10, Arcadia cafe dance orchestra.
WLW, Cincinnati, O. (422.3m-710kc), 7:40 p. m., Robert Visconti's orchestra; 10, "Pink of Frograms"; 11, recital, Johanna Gross, organist.
WMCA, New York, N. Y. (340.7m-880kc), 6 p. m., Oloffe Vail and his Hotel McAlpin string ensemble; 6:30, Ernie Golden and his Hotel McAlpin orchestra; 7:30, Finckelberg's Harmony Boys; 12 m., McAlpin entertainers.
WOR, Newark, N. J. (405.2m-740kc), 6:15 p. m., Jacques Jacobs' Hotel Shelton ensemble; 6:45, Bill Watley in shorts; 7, Jacques Jacobs' Hotel Shelton ensemble; 7:25, Newark Evening News; 7:30, Crystal Palace orchestra; 8:15, Vaudebit Hotel orchestra; 9, Studio Guild program.

KGW, Portland, Ore. (491.5m-610kc), 6-7 p. m., program, Seattle stores; 7-7:30, children's program, Art water-Kent boys; 7:30-7:45, utility service; 8-10, educational program; 10-12, Herman Kohn and his orchestra.
KHL, Los Angeles, Calif. (405.2m-740kc), 6:30-7:30 p. m., weekly visit of Queen Titania and the Radio City Fairies; 8-10, Stearns-Warner quartet; Edna Glassman Clark, soprano; 10-11, L. A. Ry, dance orchestra.

Wednesday, October 20

Headliners Today

Eastern Central Mountain Pacific
WHB (365.6m-820kc), Gems from operas. 7 6 5
WDAF (365.6m-820kc), Ivanhoe band, glee club, WIO (365m-870kc), Hapa Grotto quartet. 8 7 6
WCCO (416.4m-720kc), St. Paul string trio. 9:30 8:30 6:30
KDKA (309.1m-970kc), R. V. B. trio. 10:25 9:25 8:25
KDA (322.4m-930kc), Composer Handel's selections. 11 10 7:25

Wednesday silent night for: KFDM, KLD, KMML, KQIL, KFSB, KTAB, KUDA, KWVG, WABO, WBAL, WBAP, WBBR, WGBB, WFAA, WMC, WQAI, WQAW, WFC, WSUL, WVIC.

Eastern Time Stations

KDKA, Pittsburgh, Pa. (309.1m-970kc), 6:15 p. m., dinner concert; 8, Barbara Bess Wellman, contralto;

\$\$\$THOUSANDS\$\$\$

WHAT is it, this "Whozi"? Every broadcast listener must know to be up-to-date. Do you? Taking the country by storm, it is marching stealthily upon all the important broadcasting centers. Crossword puzzles—no, better than that. Thousands, many thousands of dollars award the best Whoiteers, and you'll learn all about it in next issue of Radio Digest, on the newsstands October 31. Better reserve the First November number NOW!

Virginia Wellman, harpist; Fred W. Lotz, pianist; 9:30, R. V. B. trio.
PWX, Havana, Cuba (399.8m-750kc), 8-10 p. m., Military band music.
WAHC, Richmond Hill N. Y. (315.5m-960kc), 9:15 p. m., Ralph Lane, tenor; Milton Schwartz, violinist; Milton Katz, pianist; 10:02, Good Humor Boy.
WBZ, Springfield, Mass. (333.1m-900kc), 6:30 p. m., Musical Mirth Makers; 7:05, Conley Plaza orchestra; 8, saxophone program; 8:30, John Gruber, pianist; Alice Fishes, violinist; 9, Barnstormers; 9:30, Blue Jackets.
WEAF, New York, N. Y. (461.5m-610kc), 4-12 midnight, Elsie Barron, soprano; dinner music; Kulef's Palais D'Or orchestra; Davis saxophone octet; Smith Brothers; Ben Bernie's orchestra.
WCHP, Detroit, Mich. (270.1m-110kc), 6 p. m.,

dinner concert; 8-8:30, studio program; 8:30-9, campers' half hour; 9:10, Little symphony orchestra.
WCI, Schenectady, N. Y. (379.5m-700kc), 7:30 p. m., Eastman theater orchestra, WJAM; 8:15, music.
WHN, New York, N. Y. (361.2m-830kc), 7:15 p. m., Bob Laughton, songs; Ruth Marr, pianist; 7:30, Lewin's New York theatre orchestra; 9:30, Lewin's 7th Avenue theatre concert; 10, Roseland dance orchestra; 11:30, Silver Slipper orchestra.
WIP, Philadelphia, Pa. (508.2m-590kc), 6:05 p. m., Benjamin Franklin concert orchestra; 6:30, popular songs; 7, Uncle Wip's bedtime stories.
WJR, Detroit, Mich. (516.9m-580kc), 7 p. m., Gold-kette's Petite symphony orchestra, soloists; 7:45, Fred WH Oakland, Chief Pontiac; 9, studio program; 11, Murby Brothers organist; 12, Jerry Old Chief and his Jesters.
WJZ, New York, N. Y. (464.3m-660kc), 7 p. m., Hotel Commodore dinner orchestra; 7:55, Major L. D. Gardner, talk on aviation; 8, Imperial Inn; 8:30, Deuber Hamden, watchmaker; 9, 12, A. White tour; 10, Keenan Boys; 10:30, Hotel Astor orchestra.
WLIT, Philadelphia, Pa. (384.5m-760kc), 7:30 p. m., Dream Daddy's bedtime stories; 8, dance orchestra; 8:30, WEAF; 9, Stanley theater hour of music; 10, Arcadia cafe dance orchestra.
WLW, Cincinnati, O. (422.3m-710kc), 7:40 p. m., Robert Visconti's orchestra; 10, "Pink of Frograms"; 11, recital, Johanna Gross, organist.
WMCA, New York, N. Y. (340.7m-880kc), 6 p. m., Oloffe Vail and his Hotel McAlpin string ensemble; 6:30, Ernie Golden and his Hotel McAlpin orchestra; 7:30, Finckelberg's Harmony Boys; 12 m., McAlpin entertainers.
WOR, Newark, N. J. (405.2m-740kc), 6:15 p. m., Jacques Jacobs' Hotel Shelton ensemble; 6:45, Bill Watley in shorts; 7, Jacques Jacobs' Hotel Shelton ensemble; 7:25, Newark Evening News; 7:30, Crystal Palace orchestra; 8:15, Vaudebit Hotel orchestra; 9, Studio Guild program.

Advertisement for Utah Radio Products Co. featuring three models of speakers: Utah Superflex (\$16.00), Utah Standard (\$19.00), and Utah Junior (\$12.50). The ad includes the slogan 'Hear The UTAH' and 'Made in Salt Lake City'. It also features a 'GUARANTEE' section and the company address: 1421 South Michigan Ave., Chicago.

WRC, Washington, D. C. (468.3m-640kc), 7 p. m., Hotel Washington orchestra; 8:30, WEAFF; 9, WEAFF; 9:30, to be announced; 10, WEAFF; 10:30, dance music.

WRVA, Richmond, Va. (256.3m-1770kc), 8 p. m., Old time in the park; 8:30, The "A" string quartet; 9:15, organ recital; 10:15, quartet.

WSAI, Cincinnati, Ohio (325.9m-590kc), 8 p. m., Bosworth artist series; 8:30, Davis Saxophone octet; 9, Ipana Troubadours; 10, Smith Brothers program.

WTAM, Cleveland, Ohio (389.4m-770kc), 6:15 p. m., Guy Lombardo's Royal Canadians; 8, public auditorium program; 11, Jack Hawkins Collegian arrangers.

Central Time Stations

CKY, Winnipeg, Can. (384.4m-690kc), 9:10 p. m., Prof. Gregory Cortkovitsky, violator; 10:11, CNRW.

KFAB, Lincoln, Neb. (340.7m-580kc), 5:30-6:30 p. m., dinner concert; 8:30-10:30, old time tune night.

KMOX, St. Louis, Mo. (280.2m-1070kc), 6:30 p. m., Jaquinet Jules, organist; 7, Radio orchestra; 8:30, Melba Hankammer, soprano; 9, civic club, Universal club; 9:30, presentation by staff of KMOX; 10:30, Variety troubadours.

KYYW, Chicago, Ill. (335.4m-550kc), 6:30 p. m., Congress hotel dinner concert; 7, Family hour; 9:10, classical concert; 10:30-12, Congress Carnival.

WCCO, Minneapolis-St. Paul, Minn. (416.4m-720kc), p. m., Radio Pioneers hour; 8, WEAFF; 8:30, St. Paul string quartet; 9, Let's sing; 9:30, WEAFF; 9:30, Imperial quartet; 10:30, dance program; 11:30, Eddie Frenstetter, organist.

WDAF, Kansas City, Mo. (368.6m-520kc), 6:27 p. m., school of the air; 8:30, Ivanhoe band; Ivanhoe else club; 9:30-10, 11, 12, Let's sing; 10:30, Frank WCM, Chicago, Ill. (302.8m-590kc), 6:45-7 p. m., request program, concert ensemble; string quintet; 9:10, Arabian Nights entertainment; 10, Sam "n' Henry; 10:10, The Music Box; 10:30, songs, Tommy Coates; 10:30-12:30 a. m., The Pepper Party.

WHAD, Milwaukee, Wis. (275.1m-1090kc), 6:10 p. m., Wisconsin theater organ recital; Arthur Richter; 11:30, Wisconsin theater organ recital, A. Richter.

WHO, Des Moines, Ia. (326m-570kc), 6:47 p. m., Bankers tale Little symphony; Myrtle Williams, soprano; 7:10-8, Paul Christmann's Hotel Ft. Des Moines orchestra; 8:45-9:30, Hans Grotto quartet; Kate Miller, vocalist; H. and Mrs. H. Hard; Hawaiian guitar music; 9:30-11, dance program.

WJJD, Moonshart, Ill. (370.2m-510kc), 5:45-7 p. m., Howard Peterson, organist; symphony players; Palmer House Victorians; 8:30, child artists; 10:11, Victorians; Gail Handell, John Norton; 12:30 a. m., Settin' Up hour.

WLBB, Chicago, Ill. (302.8m-590kc), 7 p. m., dinner concert; 7:15, million sing; 7:20, old fashioned almanack; 7:30-8, Tommy Coates, baritone; Edward Barry, pianist; 8:30, WEAFF; 12:30-1, Coon Sanders.

WLS, Chicago, Ill. (344.5m-570kc), 6 p. m., supper-bell program; 6:40, Maxine Svirina's College Inn orchestra; 6:55, Si Spencer; 7, May and June; 7:15, harp and violin room; 7:30, Ralph Emerson, organist; 7:45, talk on Salvation Army; 8:10, orchestra; 9:30, May and June; 10, orchestra; 10:30-11:30, popular program.

WMAK, Chicago, Ill. (447.5m-670kc), 6 p. m., organ; 6:30, Georgene Faulkner; 8, Gus Edwards' orchestra; 8:10, Continental string orchestra; Dawson; 9, Elizabeth Post, soprano; 9:40, Illinois League of Women Voters; 9:50, air line.

WSB, Atlanta, Ga. (423.5m-700kc), 10:45 p. m., Fearless entertainers orchestra.

WSM, Nashville, Tenn. (282.8m-1050kc), 6:45 p. m., Andrew Jackson orchestra; 8, Vito and his Radio Seven; 10, studio program.

Mountain Time Stations

KCA, Denver, Colo. (322.4m-590kc), 6:30 p. m., dinner concert; Brown Palace string orchestra; 8, instrumental program; 8:25, studio program.

Pacific Time Stations

KFI, Los Angeles, Calif. (467m-642kc), 7-7:30 p. m., Virginia ballroom orchestra; 7:30, 8, Harris detective story; 8-9, program, California Petroleum

corp.; 9-10, Patrick-Marsh dance orchestra; 10-11, Chas. Beauchamp, tenor, and others.

KGO, Oakland, Calif. (361.2m-630kc), 6:15-7 p. m., Stanislas Dem's Little symphony orchestra; 8, farm program; 8:30, symphony orchestra.

KON, Portland, Ore. (481.5m-610kc), 7 p. m., dinner concert; 8:5, 7th United States Infantry band; 9-10, musicale.

Thursday, October 21

Headlines Today

Eastern	Central	Mountain	Pacific
7 p. m.	6	5	4
WTR (475.9m-630kc), Religious sing.	5:30	5:30	5:30
8:30	7:30	8:30	8:30
WLAS (399.8m-750kc), Old-time fiddler, Frank Hodges.	8	7	7
9	9	8	8
WEAF (491.5m-610kc), WEEI (348.6m-600kc), WSAI (325.9m-520kc), WGR (312m-500kc), WVV (352.7m-580kc), WGN (302.8m-590kc), WCCO (416.4m-720kc), KSD (345.1m-590kc), WFLA (389.4m-770kc), WIC (468.5m-600kc), WFTL (394.5m-760kc), WCAE (461.3m-650kc), WOL (483.6m-620kc), WCAE (545m-550kc), Goodrich Zippers.	9:30	8:30	7:30
10:30	9:30	8:30	7:30
WVAF (475.9m-630kc), Saxophone octet.	10	9	8
11	10	9	8
KG (361.2m-630kc), "The Story of Light."	11	10	9
WSAI (325.9m-520kc), Electric Night.	12:15	11:15	10:15
12:15	11:15	10:15	9:15
WLW (422.3m-710kc), Night Howls, Crosby Furs.			

Thursday, silent night for: CFCA, KFAB, KFDM, KFJH, KFOA, KFUV, KMA, KMOX, KOA, KOB, KRW, WAHC, WAMD, WEAU, WEBB, WEMC, WCFB, WHAD, WMAK, WOS, WSM, WSUL, WTAM.

Eastern Time Stations

KDKA, Pittsburgh, Pa. (309.1m-570kc), 6:15 p. m., Little symphony players; 8:30, "Rose of the Tentement," KDKA Little symphony; 11:20, Florida club.

WBZ, Springfield, Mass. (333.1m-600kc), 6:15 p. m., Arthur Clifton, organist; 6:30, Jackson's Hunters Cabin orchestra; 7:05, organ; 7:30, musical appreciation lecture; 8, musicale; 8:30, song trio; 9, Beulah Whitney, soprano; Dorothy B. Malone, pianist; Willard Clark, baritone; Charles N. Young, tenor; 10:12.

WCX, Detroit, Mich. (516.9m-580kc), 6-7 p. m., Gold-kette ensemble; 8:30, studio program.

WEAF, New York, N. Y. (491.5m-610kc), 4-12 mid-night music; Meyer Davis orchestra; 8:30, orchestral concert; Schickering quartet; 9, Chicoutou club Eskimos; 10, Goodrich Zippers.

WGWS, New York, N. Y. (515.8m-550kc), 6 p. m., Uncle Geesbe; 6:30, Vincent Sorey concert trio; 7:20, Artie Clifton, organist; his Royal Arcadians.

WGPH, Detroit, Mich. (370.1m-1100kc), 6 p. m., dinner concert; 10:11, frolicers; 11-12, Skyarkers.

WGR, Schenectady, N. Y. (378.5m-700kc), 6:30 p. m., dinner program; 7:30, book club; 7:45, Syracuse university program; 9, World Wide Electric night; 10, WJZ; 11, studio staff; 11:30, Stephen E. Busch, clarinet.

WHN, New York, N. Y. (361.2m-630kc), 6:30, Charm club; 7, Iceland dance orchestra; 8, Will Oakland's chateau; 8:30, Loew's Gates theatre overture and vaudeville; 11:30, Corton club orchestra.

WIP, Philadelphia, Pa. (508.2m-590kc), 6:05 p. m., Benjamin Franklin concert orchestra; 7, Uncle Wily's bedtime stories; 8, program from Sesqui Centennial; 10:05, Benjamin Franklin dance orchestra.

WJZ, New York, N. Y. (454.3m-660kc), 7 p. m., Hotel Commodore dinner orchestra; 8, First National presentation, "Forever After," WRC; 8:30, Democratic talk; 8:45, Judge, Jr.; 9, World Wide Electrical night; WGY, WJZ; 10, Royal Troubadour orchestra, WRC, WGY, WJZ; 11, Jack Denny's Frivoliety club orchestra.

WLV, Cincinnati, Ohio (422.3m-710kc), 7:40 p. m., Visconti's orchestra; 10, Castle Farmers; 10:15, Lantonia Melody boys; 10:30, "Peg" Gohlen, saxophonist; Al Kirshner, pianist; 10:45, Irene Downing and Tommy Reynolds; 11:15, Castle Farmers; 11:30, Missouri Kinney and Florence Kinney; 12:15 a. m., Night Howls, Crosby Furs.

WOR, Newark, N. J. (405.2m-740kc), 6:15 p. m., Jacques Jacobs' Hotel Shelton ensemble; 6:55, Bill Wathey in sports; 7, Jacques Jacobs' Hotel Shelton ensemble; 7:25, Newark Evening News; 7:30, Oreste's Queensland orchestra; 8, Vaughn de Leath, "The Original Radio Girl"; 9, French Line program; 10:15, Chateau Ballroom orchestra.

WRVA, Richmond, Va. (256.3m-1770kc), 8-11 p. m., Music and fun, frolic, Kiwanis club.

WSAI, Cincinnati, Ohio (325.9m-590kc), 7 p. m., Olympian coffee club half hour; 7, WEAFF; 11, Electric sight.

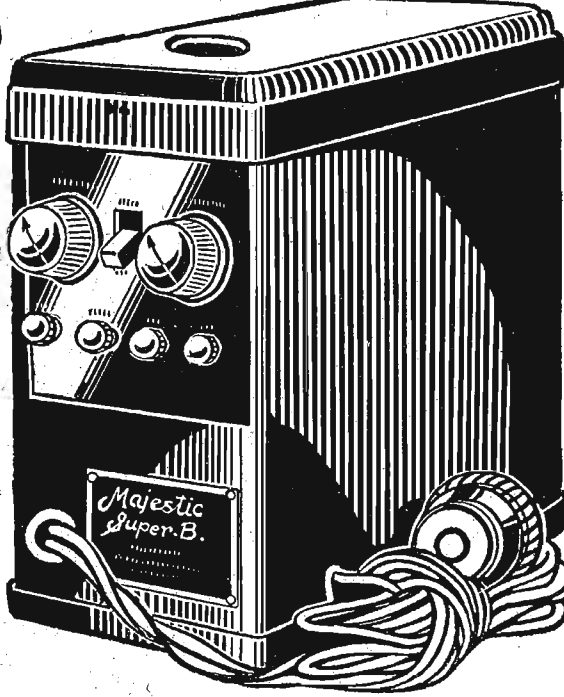
WTAM, Cleveland, Ohio (389.4m-770kc), 6 p. m., Hollenden hotel orchestra; 7:30, studio program; 9, WEAFF; 10, studio program; 11, Guy Lombardo's Royal Canadians.

WTIC, Hartford, Conn. (475.9m-630kc), 6 p. m., dinner music; 7, mid-week religious sing; 7:30, staff artists; 8, Eleanor Willard, soprano; Laura Wheeler Ross, violinist; Robert Gordon, baritone; 8:30, Capitol Theater orchestra; 9, Connecticut River banking hour; 10:05, Landay Revelers.

No More "B" Batteries on Your Radio

At last a practical reliable "B" battery eliminator for your radio. Does away with "B" batteries, no charging, no replacing. Always 100% efficiency in "B" current. The most revolutionary development in radio.

1-Year Guaranteed Majestic "B" Eliminator
Sent for only



\$1.00 down!

The Majestic is connected to your radio just like "B" batteries and attached to an ordinary electric socket. (For 1 to 12 tube radios.) Replaces "B" batteries entirely and furnishes "B" current direct from regular house lighting current. Simplifies radio receiving. More efficient than dry or wet "B" batteries. Entirely noiseless. Operates from 110 120 AC, 50-60-cycle current.

Cabinet finished in rich black crystal enamel. Dimensions: 10 1/2 inches deep by 9 inches wide by 9 inches high. Weight: 20 pounds net; 25 pounds packed. Bakelite Panel. Complete with extension cord and attachment plug. One RAYTHEON tube with G-G-H protective packing. Packed in individual padded wire-bound wood cases.

\$5.00 a Month, If Satisfied After Trial

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

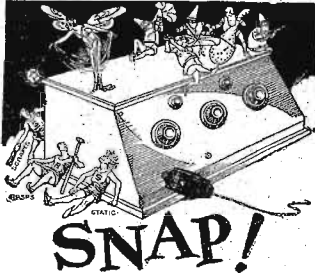
Send Coupon

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

Straus & Schram, Dept. R-417, Chicago, Ill.

STRAUS & SCHRAM, Dept. R417 Chicago
Enclosed find \$1.00. Ship special advertised Majestic "B" Battery Eliminator. I am to have 30 days free trial. If I keep it, I will pay you \$5.00 monthly. If not satisfied, I am to return it within 30 days and you are to refund my money and any express charges I paid.
Majestic "B" Battery Eliminator, No. Y8789A, \$35.

Name.....
Street, R. F. D. or Box No.....
Shipping Point.....
Post Office..... State.....
Married or Single..... Nationality or Color.....



Poly Clap-Plug Improves Your Loud Speaker's Tone Almost Beyond Belief

Chases the scarpas, rasps and other extraneous noises from your loud speaker; modifies static; broadens the range, booming in the bass and high tones; improves the tone quality of even the most inexpensive loud speaker. Merely plug into the loud speaker jack and push phone plug into sleeve provided. For sets without jacks, attach to binding posts—simple, easy, quick. Try one on your set today. Sold with money back guarantee.

Polyplugs Can't Be Tugged or Jarred Loose!

The loud speaker cord crisscrosses through Polyplugs' exclusive tension slot. Now just try to loosen that positive contact by tugging or jarring—not a chance in the world! Automatic guide ears. Demonstrating the fact that it pays to buy the best!

Poly Plug, Genuine Bakelite 50c
E-2 Plug, Composite 35c
At Good Dealers Everywhere

Polymer Manufacturing Corporation
599C Broadway New York City

POLYMET PRODUCTS

Central Time Stations

CKY, Winnipeg, Can. (384.4m-780kc), 8:30-9 p. m. studio; 9-10, J. A. Bannell company's concert.
KYW, Chicago, Ill. (535.4m-560kc), 6:30 p. m., Congress hotel; 7, dinner concert; 8, Sam. hour; 8: reading; 8:30-9, musical program; 9-10:30, classical concert; 10:30-12, Congress Carnival, Eddie and Fannie Cavanaugh.
WBAP, Ft. Worth, Texas (475.5m-520kc), 7:30-8:30 p. m., Fantasy; 9-9:30, 11, Saxophone orchestra; 11-12, Southern Melody boys.
WBBM, Chicago, Ill. (225.4m-320kc), 8:30-9 p. m., bright spots from the radio opera; 9:30-10:15, 10:15-10:30, Izak Walton period; 10:30-11:30, Vanity Fair orchestra; 11:30-12, Vanity Fair orchestra; Gene Harvey's orchestra.
WCCO, Minneapolis-St. Paul, Minn. (416.4m-720kc), 8-10 p. m., WEAF.
WDAP, Kansas City, Mo. (365.6m-620kc), 6-7 p. m.: weekly book talk, Louis Meeker; 11:45-1, Don Restor's Recording orchestra; Ken Videner, organist.
WFAA, Dallas, Texas (475.5m-520kc), 6:30-7:30 p. m., Baker Hotel orchestra; 8:30-9:30, General Electric Company's program.
WCN, Chicago, Ill. (302.8m-590kc), 6:45-7 p. m., request program, concert ensemble, string quintet; 8: WEAF; 9: WEAF; 10: Sam 'n' Henry; 10:10, Music Box; 10:30, Mark Love, bass; Drake Hotel orchestra; 10:40-11, songs, Correll and Gosden.
WHAS, Louisville, Ky. (370.2m-810kc), 8-9 p. m., old time fiddle, Frank Hodges; 8:30, studio concert.
WHO, Des Moines, Iowa (526m-570kc), 7:30-8 p. m., orchestra; 8:30, orchestra; 9:10, Stewart Watson, baritone; 11:12, dance music.
WJJD, Moonshheart, Ill. (370.2m-810kc), 5:45-7 p. m., dinner concert; Howard Peterson, organist; symphony players; Victorians; 8-9, child artists; 10-11, Victorians; 11:10, quartet; 12:30 a. m., Knights of the Burning Torch.
WLID, Chicago, Ill. (302.8m-590kc), 7 p. m., Drake concert ensemble; Blackstone string quintet; 7:15, million sing; 7:30, old fashioned blues; 7:30, Correll and Gosden; 7:45-8, Drake concert ensemble; 11:12, Ambrose; organist; Correll and Gosden; waltz time; 12-1, Count Sanders night club.
WLS, Chicago, Ill. (344.6m-670kc), 6:40 p. m., Maurice Sileman's orchestra; 7, May and June; 7:15-7:35, WLS trio production.
WOWM, Omaha, Neb. (526m-570kc), 6 p. m., Elks' organ; 6:50, Lillian Madsen, popular entertainer; 9, Delux program.
WDC, Davenport, Iowa (483.6m-620kc), 7 p. m., WEAF; 7:30, Mollie Plowboys; 8, WEAF; 9, WEAF.
WQJ, Chicago, Ill. (447.5m-670kc), 7-8 p. m., Operatic hour; Rainbo Gardens orchestra; Jean Carlson, soprano; Keyth Dunn, accompanist; Sheppard Levine, tenor; 10-2 a. m., Rainbo Gardens orchestra; Harry Geise; Jack Klein; Gail Bannell; Sylvian Four Ladies' quartet; Luebe Wilton, soloist; Harmony duo; Golube Gordon, violinist; artists.
WSB, Atlanta, Ga. (428.3m-700kc), 8 p. m., General Electric Company program; 10:45, Charles A. Sheldon, Jr., organist.

Mountain Time Stations

KOA, Denver, Colo. (322.4m-630kc), 6:30 p. m., dinner concert, Brown Palace string orchestra; 8, studio program, Little symphony orchestra; harp, trompe, tenor, flute and euphonium solos; quartet, string trio.

Pacific Time Stations

KFI, Los Angeles, Calif. (467m-620kc), 7-8 p. m., program students University of So. Calif.; 8-9, KFI drama hour; 9-10, popular program; 10-11, Azure Music club, popular music.
KGO, Oakland, Calif. (361.2m-630kc), 6-6:55 p. m., Stanislas Ben's Little symphony orchestra; 8, Electric Night by the radio; KGO Little symphony orchestra; 10-12, Phil Lunkin's musical bears.
KGW, Portland, Ore. (491.5m-610kc), 6:47 p. m., dinner concert; 7:45, lecture; 8:10, vaudeville program.

Friday, October 22

Headlines Today

Table with 4 columns: Eastern, Central, Mountain, Pacific. Lists radio stations and their programs for Friday, October 22.

For stations silent tonight refer to first Friday's list.

Eastern Time Stations

KDKA, Pittsburgh, Pa. (208.1m-670kc), 6:15 p. m., Flotilla club; 8, Adelaide Thomas Eakin, soprano; Pierre De Beecher, violinist; William Wentzell, composer; 8:30, Pittsburgh Musical Institute; 9, Teaberry time.
WBAL, Baltimore, Md. (245.8m-520kc), 6:30 p. m., dinner concert; 7:30, mixed quartet; 8:30-9, Hitz Sisters; 9:30-10, string quartet; 10-11, 'Rigoletto', WEAL opera company; 11-12, dance orchestra.
WEAF, New York, N. Y. (481.5m-610kc), 4-12 midnight, Seville string ensemble; Great North Inn orchestra; review of the drama, Cranston Brenton; Hauppagus, Boys; L. S. France orchestra; Whittical Anglo-Persians; Role's Palais D'Or orchestra.
WEEL, Boston, Mass. (348.8m-600kc), 6:40 p. m., Boston Globe broadcast; 7:30, Whittier's Four Merry Milkmen; 8, musicale; 8:30, Neopolita Girls' quintet; 9, musicale; 9:30, WEAF; 10, WEAF.
WCY, Schenectady, N. Y. (375.5m-790kc), 7 p. m., dinner program; 7:45, Gertrude S. Mapes, contralto; 8, Remington Typewriter band; 8:45, speech, Governor Smith; 10:30, staff.
WJZ, New York, N. Y. (454.3m-660kc), 7 p. m., George Olney's Hotel Pennsylvania dinner orchestra; 8, Sundial Shoe serenades, Bonnie Laddies; 9,

WHAT IS WHOZIT?

WHO knows what "Whozit" is? All those knowing please hold up their right hands. No one knows who's it—I mean what is Whozit? What a shame! But you will know soon—or in the First November issue, on the newsstands October 31, the whole life story of Whozit will be divulged. Thousands upon thousands of dollars for whoziteers, all wait for you to learn what it's all about. \$\$\$\$ and then some. Think of it!

Breyer Ice Cream hour; 10, Republican theatrical rally; 11, Paul Specht's Twin Oaks orchestra.

WOR, Newark, N. J. (405.2m-740kc), 6:15 p. m., Bill Witherby quartet; 6:30, Hotel Breton Hall string quartet; 7:25, Newark Evening News; 8:30, Wuritzer Organ recital; 10:30, Jascha Guerich's dance orchestra.

WRC, Washington, D. C. (468.3m-640kc), 7 p. m., Meyer Goldman's Hotel Hamilton orchestra; 8, Mozart string quintet; 9, Breyer Ice Cream hour; 10:30, WEAF; 10:30-12:30, Wardman Park Hotel orchestra.

WRYA, Richmond, Va. (256.3m-1170kc), 6:30 p. m., dinner music; 7:45, mixed chorus, violin soloists; pianist; 9:45, quartet; 10:30, Hotel Richmond Winter Garden orchestra.

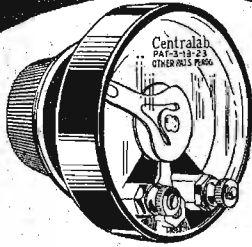
WTAM, Cleveland, Ohio (389.4m-770kc), 6:30 p. m., Jack Horwitz Colegian serenades; 8, studio program; 9, Harmony hall hour; 9:30-10:30, WEAF; 10:30, studio program; 11, Emerson Gili and his Bamboo Garden orchestra.

WJW, Detroit, Mich. (352.7m-550kc), 6 p. m., dinner concert; 8, Michigan night; 9, WEAF; 9:30, dance program; 10, WEAF; 10:30, dance program.

Central Time Stations

KMOX, St. Louis, Mo. (280.2m-1070kc), 6:30 p. m., Jacques Jules, organist; Alice Mashly, pianist; 7, orchestra; Alice Virginia, Betty Jane Holmes, child artists; 8, Charlotte Burton Stockton, violinist; 9, Do Re Mi quartet; 9:30, orchestra; 10, music lovers hour.
KYW, Chicago, Ill. (535.4m-560kc), 6:30 p. m., dinner concert; 7, Family hour; 8-9, musical program; 9-10:30, classical concert; 10:30-12, Congress Carnival.
WBAP, Ft. Worth, Tex. (475.5m-520kc), 7:30-8:30 p. m., concert, Texas Christian University School of Music; 9-9:30, 11, Bob Sweezy, violinist.
WCCO, Minneapolis-St. Paul, Minn. (416.4m-720kc), 6:15 p. m., dinner concert; 8, orchestra program, Nish-Finch orchestra; 9, WEAF; 9:30, Odu male chorus; 10:05, Long's Naukka cafe orchestra; Merry Lou trio; Mary Louise Woodlett, violinist; Dick Furber, saxophonist; Evelyn Sweigert, pianist.
WDAP, Kansas City, Mo. (365.6m-620kc), 6:47 p. m., school of the air; 6:50, 8:30, L. S. France orchestra; 9-9:30, WEAF; 11:45-1, Night-hawk frolic.
WGN, Chicago, Ill. (302.8m-590kc), 6:45-7 p. m., request program, Drake concert ensemble, Blackstone string quintet; 7, Million sing; 7:05, old fashioned blues; 7:15-7:30, Paul Ash; 8-8:30, Concert ensemble; 8:30-9, program, Bohemian artists; 9, WEAF; 9:30, Phantom violin; 10, Sam 'n' Henry; 10:10-10:20, 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), 6:30 p. m., Wisconsin theater organ recital, Arthur Richter; 8:30, Marquette University classical studio program.
WJJD, Moonshheart, Ill. (370.2m-810kc), 5:45-7 p. m., dinner concert; Howard Peterson, organist; Palmer House symphony players; Victorians; 8-9, child artists; 10-11, Victorians, artists; 12:30 a. m., Sentin' Up hour.
WLID, Chicago, Ill. (302.8m-590kc), 11-12 midnight, Correll and Gosden; Ambrose Larsen; Tommy Coates, baritone; 12-1 a. m., night club.

Centralab Non-Inductive, Variable-High Resistances



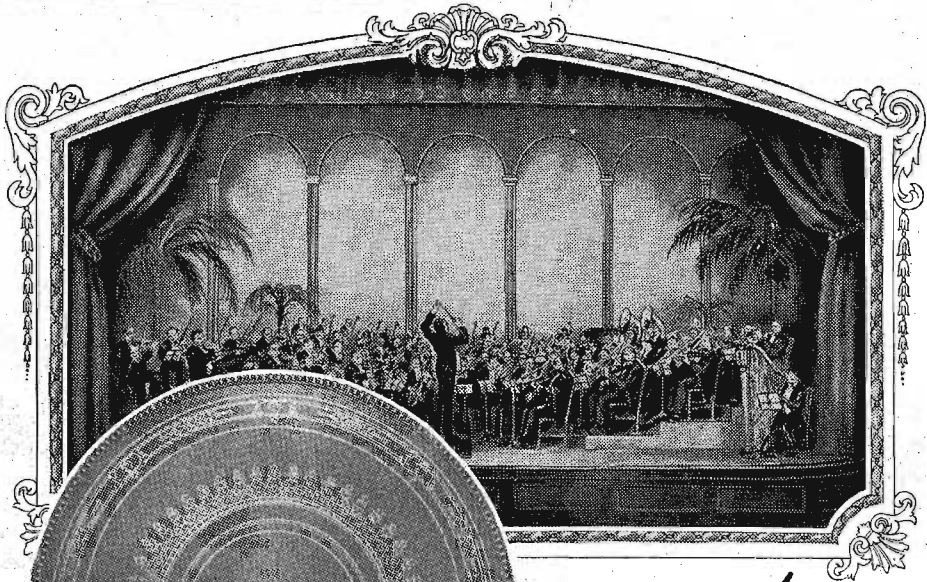
CENTRALAB RADIO OHMS with two terminals, and Modulators or Potentiometers with three terminals, provide gradual noiseless control of oscillation or volume in any circuit. Specified for the Infradyne, S-C, Samson T-C, Henry Lyford, Universal and many other circuits. Used as standard equipment on a large number of commercial receivers, and by both the U. S. Navy and Signal Corps.

There is a resistance and correct taper for every circuit. See your dealer, or write for circuit hook-ups.

Central Radio Laboratories 12 Keefer Ave., Milwaukee, Wis.

Makers of variable resistances for 69 makers of leading standard sets.

Centralab



The Tower Cone

\$9.50

Brings to You Every Note of the Symphony

DEEP, rich and clear, the Tower Cone offers a quality of reproduction truly delightful. Acoustically and chromatically perfect (due to scientific design exclusively Tower), this amazing reproducer value is easily in a class by itself. The direct-drive unit, the eight contact points between unit and cone (instead of only one as in most cones), the beauty of design, the non-warping cone, the rugged construction—these are the superior mechanical features that bring to you the best that radio offers—in the manner you most desire.

The Tower Cone Is Sold From Coast to Coast. Ask Your Dealer to Demonstrate.

TOWER MFG. CORP. - BOSTON, MASS.

WLS, Chicago, Ill. (344.6m-870kc), 6 p. m., supper-bell program; 6:40, Maurice Sherman's orchestra; 7:15, May and June; 7:35, duo, Old Town Coffee room; 7:50, Ralph Emerson, organist; 8:10, Maurice Sherman's orchestra; 9, WLS trio production; 9:30, May and June; 10, orchestra; 10:30-11:30, popular program.

WOC, Davenport, Iowa (483.6m-620kc), 7:30 p. m., Moorman Melody mixers; 8:30-9, La France musical program; 9, WEAFF; 9:30, Louis Lawson, A. Lowe, pianist; Mrs. Frank Edlin soprano; Martha Bond-Beck, mezzo-soprano.

WSM, Nashville, Tenn. (282.3m-1080kc), 6:45 p. m., Andrew Jackson hotel orchestra; 8, studio orchestra; 10, studio program; 10:30, F. Arthur Henkel, organist.

Mountain Time Stations

KOA, Denver, Colo. (322.4m-930kc), 6:30 p. m., dinner concert; Haven Palace string orchestra; 7:30, Sunday school lesson; 8, instrumental program; KOA orchestra; 8:25, studio program; Lucille Mathis, contralto; Carl Owens, violinist; Ralene Freese, tenor; Hilda Edwards, soprano; Fankel quartet, vocal duet, solos.

KOB, College Station, N. M. (348.6m-860kc), 7:30-8:30 p. m., home coming program.

Pacific Time Stations

KFI, Los Angeles, Calif. (467m-842kc), 7-8 p. m., Jack Smith's dance orchestra; 8-9, Aedrian organ recital; 9-10, popular song hour; 10-11, Packard ballad hour.

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

KGW, Portland, Ore. (491.5m-610kc), 6-7 p. m., dinner concert; 8:30-10:30, McElroy's orchestra; 10:30-12, Hoot Owls.

Saturday, October 23

Headliners Today

Eastern 1:30 p.m.	Central 12:30	Mountain 11:30 a.m.	Pacific 10:30
----------------------	------------------	------------------------	------------------

KFAR (333m-900kc), Kansas-Nebraska football game.

KSAC (340.7m-880kc), Arkansas-Kansas State game.

WIZ (333m-900kc), Harvard-Dartmouth game.

WCCO (416.4m-720kc), Wabash-Minnesota game.

WECO (293.9m-1020kc), U. of Iowa-Ohio game.

WGN (302.9m-990kc), WWJ (352.7m-820kc), Illinois-Michigan game.

WVY (379.5m-790kc), Yale-Brown game.

WMAQ (447.5m-770kc), KYW (535.4m-560kc), Chicago-Purdue game.

WOT (470.1m-110kc), Missouri-Iowa State game.

WJZ (454.3m-660kc), WRC (468.5m-640kc), WGV (379.5m-790kc), WBZ (333.1m-900kc), Boston symphony.

WYG (473.9m-630kc), Nérin male quartet.

8:30-7:30

WLV (422.3m-710kc), Negro Spirituals.

WEAF (401.5m-610kc), WEEI (348.6m-860kc), WEAJ (325.9m-920kc), WGR (319m-940kc), WGT (325.7m-850kc), WGN (332.9m-990kc), WCO (416.4m-720kc), KSD (545.1m-590kc), WTAM (389.4m-770kc), WRC (468.5m-640kc), WFI (394.5m-760kc), WCAE (461.3m-650kc), WOC (483.6m-630kc), WTAG (545m-550kc), Franconi quartet, New York symphony orchestra, Walter Damosch.

For stations silent tonight refer to first Saturday's list.

Eastern Time Stations

KDKA, Pittsburgh, Pa. (309.1m-970kc), 6:15 p. m., Westinghouse band; 8, Helen Bates Faris, soprano.

PWM, Havana, Cuba (399.8m-750kc), 8:30-11 p. m., typical Cuban concert.

WBZ, Springfield, Mass. (333.1m-900kc), 6:15 p. m., Arthur Clifton, organist; 7:05, Capitol theater orchestra; 7:30, musicale; 8:10, Boston Symphony orchestra; 10:15, Hotel Brunswick orchestra.

WEAF, New York, N. Y. (491.5m-610kc), 5-12 mid-night, Hotel Waldorf-Astoria; Fansteel hour with Walter Damosch; musical comedy hits, WEAF light opera company.

WFI, Philadelphia, Pa. (394.5m-760kc), 3 p. m., recital from WEAF; 6-8, Adelphi French Room dance orchestra; 8, recital; 10, Adelpheia dance orchestra.

WCV, Schenectady, N. Y. (379.5m-790kc), 8:05 p. m., WBZ, WJZ; 10:30, Hotel Van Curier dance orchestra.

WIP, Philadelphia, Pa. (508.2m-590kc), 3 p. m., football game, U. of Penna. vs. Williams College; 6:35, Benjamin Franklin concert orchestra; 7, Uncle Wip's bedtime stories; 8, sports corner; Dr. Francis D'Eliscu; 8:15, artist recital; 11:05, organ recital, Germantown theater.

WJR, Detroit, Mich. (516.9m-580kc), 7 p. m., Gollkette's Petite symphony orchestra, soloists; 9,

studio program; 11:30, Merry, Old Chief and his letters.

New York, N. Y. (484.3m-660kc), 7 p. m., Hotel Commodore dinner orchestra; 8:10, Boston Symphony orchestra; 10:30, Jack Denny's Frivolity club orchestra.

WLW, Cincinnati, Ohio (422.3m-710kc), 7 p. m., organ concert, Johanna Grosse; 8, Sockatany Hawkins Radio club; 8:25, concert; Negro spirituals; 9, dance music, Castle Farm.

WMOA, New York, N. Y. (340.7m-880kc), 6 p. m., Oscar Vail and his Hotel McAlpin string ensemble; 11, Ernie Golden and his Hotel McAlpin orchestra; 12, McAlpin entertainers.

WRC, Washington, D. C. (468.5m-640kc), 8:10 p. m., WJZ; 10:30, WJZ; 11:30-12, Ohio F. Beck, organist.

WSAJ, Cincinnati, Ohio (422.3m-710kc), 7:30 p. m., news; 8, Bicycle playing card sextet; 9, WEAF.

Central Time Stations

KYW, Chicago, Ill. (535.4m-560kc), 6:30 p. m., dinner concert; orchestra; 7, Family hour; 8, musical program; 9:10:30, classical concert; 10:30-12 m., Congress Carnival; Henry Gordon and his orchestra.

WBAP, Ft. Worth, Texas (475.9m-630kc), 8:30-9:30 p. m., Pauline McCurry, pianist; 9:30-11, Hired Hand's Little symphony.

WCCO, Minneapolis-St. Paul, Minn. (416.4m-720kc), 6:15 p. m., dinner concert; Wess Barlow's Nicollet hotel orchestra; Ed Lantz, tenor; Coral Light; pianist; 8, WEAF; 9, "Monsieur Beaucaire," pre-

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 Agent for the U. S. A.
SPITAN 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!"

Steinite
AERIELIMINATOR
Eliminates Outside Aerial

New principle does away with the troublesome outside antenna. Better, clearer reception, especially for summertime. Reduces static and outside noises. Improves reception of any tube or crystal set. If you don't find it improves your set wonderfully, get refund at once.

\$1 Postpaid - 10-Day Free Trial
Anywhere - Money-Back Guarantee

No More Outside Aerial, Once You Install It

No more corrosion from the weather. Free from nearness of neighboring aeriels and breakdowns that stop reception. No tools needed, no extra ground or tube—takes the place of your present aerial. Nothing to get out of order. No need now to delay owning a radio, because of aerial trouble. Operate a set in any room wired for lights. Attach and turn on—uses no current. Guaranteed, not to use any amount of electricity. Two big banks say we are reliable. Order today on money-back guarantee, if not delighted. Dollar bill will do. **ORDER TODAY.**

STEINITE LABORATORIES,
40 Radio Bldg.,
ATCHISON, KANSAS

Attach to light socket—uses no current. Make comparison now with your present aerial at my risk.

The New Steinite 7-Tube Radio uses no batteries of any kind—only \$12.50 Loud Speaker Built in. Complete with tubes \$151 with nothing to buy. Operates from light socket in an hour. Write for descriptive literature before buying an expensive Battery Set. Also Steinite Long Distance Crystal Set \$66—6-Tube Battery Set \$45. **WRITE TODAY.**

General Electric
presents the new
Tungar Trickle Charger

Been waiting for this? So many fans have! A small, compact charger that does a full-size job.

Connect a G-E Tungar Trickle Charger to your radio "A" battery. Put it in your radio cabinet—and your set will have constant power.

This new General Electric Charger allows just enough current to trickle continuously into the battery to replace the power used by the set.

Tungar
 REG. U.S. PAT. OFF.
TRICKLE CHARGER

Tungar—a registered trademark—is found only on the genuine. Look for it on the name plate.

GENERAL ELECTRIC

The Tungar Trickle Charger is convenient, clean, complete—ready for installation. It is moderate in its price—and in its running cost.

East of the Rockies
\$12 complete with bulb
 (60 cycles, 110 volts)

Merchandise Department
 General Electric Company
 Bridgeport, Connecticut

The Heart of the Circuit

VICTOREEN Transformers and VICTOREEN Master Control Unit

Victoreen Manganin Rheostats
 Zero temperature coefficient-resistance remains absolutely constant; double the number of turns of wire used on ordinary rheostats. Three terminals simplify wiring.

Five resistances—2, 6, 10, 20, 30 ohms, each..... **\$1.20**
 Victoreen Potentiometers—200 and 400-ohms resistances, each..... **1.50**

R. F. Transformers
 Made with air core construction. They are not merely "matched" but are actually tuned to a guaranteed precision of within 1/4 of 1%.

Victoreen Super sets are free from oscillations, howls or squeals—no matching of tubes is necessary.

The "B" Battery consumption is exceptionally low—3 to 10 milliamperes with potentiometer at negative side—less than some 3 tube sets.

Build a Victoreen Super and use these parts:
 4 Victoreen No. 170 R. F. Transformers, each..... **\$7.00**
 (No. 171 Transformers when dry cells are used)

1 Victoreen No. 150 Coupling Unit, each..... **\$5.50**
 Should the use of aerial be preferred to loop, Victoreen No. 160 antenna coupler is required, each..... **\$3.50**

Victoreen Master Control Unit
 A completely assembled, convenient, single control unit for use on circuits employing two or more condensers of the same capacity. Easy to mount—no change of wiring necessary.

Victoreen Master-Control Unit \$19.50
 Type VS
 Extra Condenser, each..... **4.50**

Get a complete list of parts from your dealer or write us direct.

Free Victoreen Folder and Hookup answers all questions about Victoreen circuit.

THE GEORGE W. WALKER CO.
 6528 Carnegie Ave. Dept. F Cleveland, O.
 BRANCHES IN PRINCIPAL CITIES

1 his
m.
son
city
ary
purit-
in-
nble;
stra;
m.
dist.
m.
AF.
din-
ical
m.
or-
9:30
ired
ico,
col-
lem.
pre-

sentation: Roy Schmidt, clarinet; Ernest Liegl, flutist; 10:05, Wallie Erickson's orchestra; Evelyn Scholz and Jean Estinger, piano duetists.
WGN, Chicago, Ill. (302.8m-990kc), 6:35-7 p. m., Drake concert ensemble, Blackstone string quintet; 8:3, WEAF; 9, Light opera serial; 10, Sam H. Henry; 10:10, Music Box; 10:20, Mark Love, basso; 10:40-11, songs, Correll and Godden.
WLJ, Chicago, Ill. (302.8m-990kc), 7:15 p. m., dinner concert; 7:15-7:30, million sing; 7:30-7:50, old fashioned Almanack; 7:50-8:10, Drake concert ensemble, Tommy Costas, baritone; 11-12, Correll and Godden; Bobby Blecker's Drake hotel dance orchestra; 12-1, Coon Sanders night club.
WB, Atlanta, Ga. (428.3m-790kc), 8 p. m., Atwater Kent hour; 10:45, Ernest Rogers Ritz club.
WSM, Nashville, Tenn. (282.8m-1090kc), 6:45 p. m., Andrew Jackson hotel orchestra; 8, baru dance program.

Mountain Time Stations
KOA, Denver, Colo. (822.4m-930kc), 10:30 p. m., dance program, Scheuerman's Colorado orchestra.

Pacific Time Stations
KFI, Los Angeles, Calif. (467m-622kc), 7-8 p. m., program, Paul Roberts; 8-9, Los Angeles Soap company; 9-10, Angelus string quartet; 10-11, Packard Radio club; 11-2 a. m., KFI midnight frolic.
KGO, Oakland, Calif. (361.2m-830kc), 4-5 p. m., Stanisla Bem's Little symphony orchestra; 9-11, Hotel Whitcomb band.

Sunday, October 24

Headliners Today

Eastern	Central	Mountain	Pacific
7:30 p. m.	6:30	5:30	4:30
KOA (322.4m-930kc), Organ recital.	WEAF (491.5m-610kc), 5:15	WFAA (475.5m-630kc), 6:15	WJZ (352.7m-850kc), 6:15
WEAF (491.5m-610kc), 5:15	WFAA (475.5m-630kc), 6:15	WJZ (352.7m-850kc), 6:15	WJZ (352.7m-850kc), 6:15
WJZ (352.7m-850kc), 6:15	WJZ (352.7m-850kc), 6:15	WJZ (352.7m-850kc), 6:15	WJZ (352.7m-850kc), 6:15

Eastern	Central	Mountain	Pacific
8:15 p. m.	7:15	6:15	5:15
WVCO (416.5m-720kc), KSP (545.1m-850kc), WFAM (399.4m-770kc), WRC (468.5m-610kc), WFI (394.5m-760kc), WFAZ (461.5m-650kc), WOC (482.5m-620kc), WTAG (545m-510kc), Atwater Kent hour.	6:30	5:30	
WLW (422.3m-710kc), Wagnerian program.	8	7	
KPHS (374.8m-800kc), Classic hour.	11	10	9
KGO (361.2m-830kc), Little symphony concert.	12	11	10
WJZ (352.7m-850kc), Midnite frolic.			

For stations silent tonight refer to first Sunday's list.

Eastern Time Stations
WEAF, New York, N. Y. (491.5m-610kc), 2-3 p. m., Interdenominational church services; 3-4, Louis Peoples's Conference; 4-5:30, Men's Conference; 5:30-6, musical program; 6-7:30, orchestral concert; 7:30-9:15, Capitol theater program; Major Bowes and his family; 9:15-10:15, Atwater Kent hour.
WEMC, Berrien Springs, Mich. (315.6m-560kc), 11 p. m., services; choir; 8:15 p. m., Lighthouse choir; Raleigh Birchfield, bass; Mrs. John Fetzer, cellist.
WFI, Philadelphia, Pa. (394.5m-760kc), 7:30 p. m., services; Arch Street Methodist Episcopal church.
WGY, Schenectady, N. Y. (379.5m-790kc), 10 a. m., Park Avenue Baptist church; 3 p. m., musicale; 4:30, Elmer A. Tidmarsh, organist; 7:30, Emmanuel Baptist church; 9, WJZ; 10:15, WJZ.
WHN, New York, N. Y. (361.2m-830kc), 6:30 p. m., Hotel dinner music; 11:30, "The Playground."
WIP, Philadelphia, Pa. (368.2m-830kc), 7:15 p. m., services; Holy Trinity church; 9-9:30, WIP Little Symphony orchestra.
WJZ, New York, N. Y. (454.3m-690kc), 7 p. m., Park Avenue Baptist church; 7:30, Hotel Ambassador trio; 8:30, Hotel Commodore concert orchestra; 10:15, Maxwell House Coffee orchestra.
WRC, WGY, WBZ.
WVZ, Cincinnati, Ohio (322.3m-710kc), 7:30 p. m., First Presbyterian church; 8:30, Wagnerian program; Salon orchestra.
WMCA, New York, N. Y. (340.7m-880kc), 6 p. m.,

WHOOZIT? YOU'RE IT
WHOOZIT? That's it, WHOOZIT? Try and find out if you think you'd like to know. A million Radio listeners will be Whooziting, but not one of them knows what its all about yet—and they think they're smart, too. It takes a keen eye and a sharp ear to make a Whoozit stand up. Whoa! No secrets out of school! Just see the next Radio Digest and get a line on this Whoozit biznezz.

Roenner's Homers; 7, Ernie Golden and his Hotel McAlpin orchestra.

WRC, Washington, D. C. (468.5m-640kc), 11 a. m., services; 1 p. m., chapel; 7:30, WEAF; 9:15, WEAF; 10:15, WJZ.
WSAI, Cincinnati, Ohio (325.9m-820kc), 11 a. m., Presbyterian church of the Covenant; 4 p. m., M. C. A.; 7:45, chimes; 8, Radio sermonicist; 9:15, WEAF.

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

WVJ, Detroit, Mich. (352.7m-850kc), 10 a. m., First Presbyterian church; 3 p. m., News orchestra; 7:30, WEAF; 9:15, WEAF.

Central Time Stations
KFAB, Lincoln, Neb. (340.7m-880kc), 9:10-10:30 p. m., Sunday evening musicale.
KLDS, Independence, Mo. (449.9m-680kc), 11 a. m.,

services; 3 p. m., KLDS church; 6:30, services, Ladies' quartet; 9:15, services.
KLDS, Star Springs, National Park, Ark. (374.8m-800kc), 11 a. m., Central Methodist church; 9-10, classic hour concert; 10-11, Lawson Rind, organist.
KYW, Chicago, Ill. (335.4m-560kc), 11 a. m., Central church; 4:30 p. m., studio concert; 9:30-11, classical concert; 7-8:30, Sunday Evening club service.

WFAA, Dallas, Texas (475.5m-630kc), 6-7 p. m., Bible class; 7:30-8:30, First Presbyterian church; 8:30-9:30, Grace Methodist church; 11-12, Clive's Collingwood.
WGN, Chicago, Ill. (302.8m-990kc), 6:45-7 p. m., Blackstone string quintet, solo artists; 7-7:30, Million Sing; 7:30-7:50, Old Fashioned Almanack; 7:50, concert ensemble, Correll and Godden; 8, Auld Sandy; 8:15, WEAF; 9:15, Our Music Room; 10, Sam H. Henry; 10:10, Armand Buisseret, violinist; 10:20, Bible reading; 10:30, Coon Sanders orchestra.

WHO, Des Moines, Iowa (526m-570kc), 11 a. m., St. Paul's Episcopal church; 5-6 p. m., Bankers Late Little symphony; 7:30-9, Hotel Port Des Moines orchestra; 11-12, frolic.

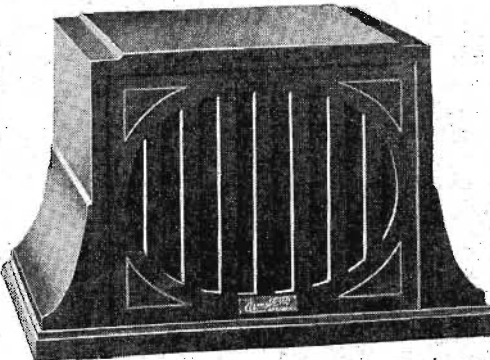
WLJ, Chicago, Ill. (302.8m-990kc), 5-6:15 p. m., Herbert Johnson, pianist; Leo Lichtfeld, cellist; Tommy Costas, baritone; Blackstone string quintet.
WOAW, Omaha, Neb. (526m-570kc), 9 a. m., services, Omaha Gospel Tabernacle; 1:30 p. m., Father Flanagan's boys' home period; 2:30, old time songs; choral services.
WOC, Davenport, Iowa (483.6m-620kc), 6:30 p. m., address; 8:15, WEAF; 10-11, Palmer Bible symphony.

WORD, Batavia, Ill. (275m-1090kc), 10 a. m., f. B. A. services; 6, Hollenden; 2:30 p. m., program; 7, Webster hotel duo organist; 9, S. A. choral singers, solo, duets.
WQI, Chicago, Ill. (447.5m-570kc), 10:30-12:30 p. m., Peoples' church; 3-4, musicale; James Luchanski, tenor; Gertrude Hardyman, contralto; 8-10, cornet

The ONLY Speaker that Was Awarded a Silver Cup for Superiority in the New Inventions Division of 3rd Annual Chicago Radio Show

The ARMSTRONG TONE REPRODUCER

Shaped Like a Singer's Mouth



NOT a Cone
 NOT a Horn
 It IS a Musical Instrument

Dealers!
 Write for Full Information

Superior in Quality Regardless of Price

\$35

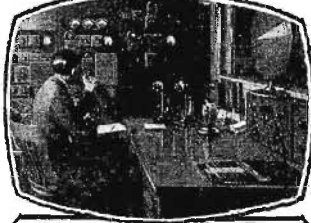
Takes the Highest Voltage.

Never Needs Adjustment.

Only 10 Inches High and 9 1/4 Inches From Front to Back

The ONLY speaker that delivers tone as clear and natural as if the performers themselves were present. You can see it in the 5th Annual Chicago Radio Show now. If your dealer hasn't the ARMSTRONG he can get one for you on a Money-Back Basis. It will give you **Better Radio Reception**—and will satisfy you. *Send us the name of your dealer.*

THE ARMSTRONG COMPANY
 1501-1515 East 55th Street, Chicago, Illinois



\$50 to \$250 a Week In Work that is Almost Romance!

Now it's easy to hold down the good jobs of Radio—by the new tested methods I train you just as employers would have you trained. If you're earning a penny less than \$50 a week, clip coupon now for FREE BOOK telling all about the great new BIG-PAY industry, Radio. Thousands of openings, good positions everywhere. This Book gives all the facts. Learn to be a Radio Expert, and draw down big pay for the easiest and most fascinating work in the world.



I'll Train You Quickly At Home To Be A Radio Expert
 Stay home and hold your job—I'll bring your training to you. You learn quickly and easily in your spare time without leaving home. I guarantee to train you successfully or refund your money under the terms of a guarantee bond I give you upon enrollment. I supply you free of extra cost with all needed apparatus and receiving sets for practical work while learning, so you can master Radio quickly, easily, at home.

Big Demand For Trained Men In Radio
 Every day 100,000 trained men taking good places in the Radio field. Thousands of openings now awaiting the trained man in this new profession. **FREE EMPLOYMENT SERVICE WHEN YOU GRADUATE.** Many other big features. Don't go along at \$25 or \$35 or \$45 a week when as a Radio Expert you could be pulling down real money for the same six days. Get the Facts—CLIP COUPON NOW.

Age or Lack of Experience No Drawback
 You don't need high school training to learn by my methods—common schooling is enough. Lack of experience or education need not hold you back. My training is thorough and concise, but at the same time it's practical, simple, and clear. Young and old alike have won success in Radio through my help. Send coupon below for **FREE Book—"Rich Rewards in Radio."** Read for yourself. My offer of receiving sets and practice instruments given with course soon to be withdrawn—WRITE NOW. No time for 700,000 names. Get full details of big special offer at once.

J. E. Smith, President, National Radio Institute, Dept. T-9 Washington, D. C.

You Get
 Receiving Sets and Practice Instruments With Course.
FIVE BIG OFFERS:
 (1) Modern Single Control Trussard Nine Vacuum Tube Set
 (2) Simple receiving equipment for practice
 (3) Advanced moving equipment for practice
 (4) World-famous Harcourt, editor of National Radio Institute
 (5) Practice set and book gratis

Special Book & Outfit COUPON
 National Radio Institute
 Dept. T-9, Washington, D. C.
 Dear Mr. Smith: Please rush me the free Radio book and the special outfit offer.
 Name.....
 Address.....

duets, F. E. Noble, F. M. Noble; Herman Techan-Tine, baritone; Helen Axell, soprano; Margaret McCallah, contralto; Anton Hassel, tenor.

Mountain Time Stations
 KOA, Denver, Colo. (322.4m-930kc), 11 a. m. First Congregational church; music; 5:30 p. m. organ recital; Royce Mintner, organist; 7:45, First Congregational church.

Pacific Time Stations
 KFJ, Los Angeles, Calif. (467m-642kc), 7-8 p. m. dance orchestra; Solomon; 8:30, Apollo organ recital; 9-10, Bob Bottger and his Venetians; 10-11, Richard six dance orchestra.
 KGW, Portland, Ore. (491.5m-610kc), 10:25 a. m. First Presbyterian church; 7:30-9 p. m., Hinson Memorial Baptist church; 9-10, Chevrolet Little symphony orchestra.
 KHJ, Los Angeles, Calif. (465.2m-740kc), 7-9 p. m. First M. E. church; 8-10, Orpheus Four male quartet; Frederick MacMurray, viola soloist.

Monday, October 25

Headliners Today

Eastern	Central	Mountain	Pacific
WEAF (491.5m-610kc), 9 p.m.	WEEL (348.6m-650kc), 7	WWSL (325.9m-920kc), 7	WGR (319m-940kc), 6
WVJ (352.7m-630kc), 9	WGN (302.5m-990kc), 7	WCCO (416.5m-720kc), 8	XSD (545.1m-550kc), 7
WYAM (389.4m-770kc), 8:30	WRC (468.5m-640kc), 7	WFI (394.5m-750kc), 8	WCEB (461.3m-630kc), 7
WOC (483.6m-620kc), 8	WTAG (543m-550kc), 7	A and P Crescents, 7	WEDZ (375.5m-720kc), Students' night, 10
KTBS (374.8m-820kc), 10:25	Spanish melodies, 7:25	KOA (322.4m-930kc), 7:30	Minstrel show, 7:30
WRAP (475.9m-630kc), 8	Old-time fiddlers, 8	KNOX (280.2m-1100kc), Music Lovers' hour, 8	

For stations silent tonight refer to first Monday's list.

Eastern Time Stations

CKNC, Toronto, Can. (355.9m-840kc), 9 p. m. Toronto Conservatory of Music instrumental trio; Frank Blachford, violinist; Leo Smith, cellist; Alberto Guerrero, pianist; Emily Taylor, contralto; Edgar Smith, bass.

WEAF, New York, N. Y. (491.5m-610kc), 4-12 midnight; Vinch Silva, contralto; Louise Garland, reader; dinner music; Scamuz O'Doherty, Irish tenor; Columbia University lectures; A and P Gypsies; "La Sonnambula," WEAF grand opera company.

WEEL, Boston, Mass. (348.6m-650kc), 6-40 p. m. Boston Globe broadcast; 6:45, Big Brother club; 7:30, musical; 8, look talks; 8.5, musical; 9, WEAF; 10, Republican State committee talk; 10:10, E. H. Ridout.

WHAZ, Troy, N. Y. (375.5m-720kc), 8 p. m., Students' night; R. P. L. symphony orchestra; 9, Blue club; 10, Campus serenaders.

WHN, New York, N. Y. (361.2m-830kc), 6:30 p. m., WHN Radio Movie club; 7:30, Joe Ward's Swanee entertainers; 8:30, Reseland dance orchestra; 10:30, Club Kentucky orchestra; 11, Charn club orchestra; 11:30, Cotton club orchestra; 12, Silver Slipper orchestra.

WJR, Detroit, Mich. (516.9m-580kc), 7 p. m., Jean Golikette's Petite symphony orchestra; soloists; 7:15, Casper Luchman entertainers; 7:45, Good Will Oakland, Chief Penning; 9, studio program.

WJZ, New York, N. Y. (464.3m-690kc), 7 p. m., Hotel Commodore dinner orchestra; 7:40, Democratic talk; 7:55, John B. Kennedy; 8, Market's dance

orchestra; 8:30, The Del-Mar-Vans; 9:30, Thayer's West Point Cavalier; 10:30, Waldorf-Astoria dance orchestra.

WLW, Cincinnati, Ohio (422.3m-710kc), 7 p. m., Robert Vincent orchestra; 7:30, classical review; 8, Commercial Tribune feature; 9, WQJ program.

WOR, Newark, N. J. (465.2m-740kc), 6:15 p. m., Jacques Jacobs Hotel Shelton ensemble; 6:45, Bill Watley in sports; 7, Jacques Hotel Shelton ensemble; 7:25, Newark Evening News; 7:30, Breakly Daily Eagle program; 8, Klein's Sarsaparilla Shoemakers; 10:30, Jascha Guerwick's dance orchestra.

WRC, Washington, D. C. (468.3m-640kc), 6 p. m., Washington Post hour; 8, vesper hour; 9, WEAF; 10, Meyer Davis' Swanee syncopators; 11-12, Loew's Palace theater.

WRVA, Richmond, Va. (256.3m-1170kc), 8 p. m., Eugene Turner, tenor; 9:10, J. Harold Lawrence, blood piano virtuoso and artist; 10:30, orchestra.

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

Central Time Stations

KFAB, Lincoln, Neb. (340.7m-890c), 5:30-6:30 p. m., dinner concert; 8:30-10:30, Zenith quartet; orchestra; Harmony Boys.

KFAB, St. Louis, Mo. (280.2m-1070kc), 6:30 p. m., Jacquinet Jules, organist; Alice Maslin, pianist; 7, Lono Sisters, Busters saxophone quartet; 8, Colonel G. J. Edgar, Smith, pianist; 9, Singing Valentines; 9:30, orchestra; 10, music lovers hour; Anna Lawrence, soprano.

KPRC, Houston, Tex. (286.9m-1010kc), 7:30 p. m., Houstonians dance orchestra; 8:30, Dr. Earle J. Smith, tenor concert.

KTHS, Hot Springs National Park, Ark. (374.8m-800kc), 9-10 p. m., Spanish melodies; 10-10:20, W. C. Brown, baritone; 10:20-10:50, Lou Chasse, violinist; John G. Beyn, pianist.

WBAP, Ft. Worth, Tex. (475.9m-630kc), 7:30-8:30 p. m., Sing Show, novelty program, remount numbers; Allene Patterson Duff, contralto; 9:30-11, Old time fiddlers; 11-12, musical program.

WFAA, Dallas, Tex. (475.9m-630kc), 6:30-7:30 p. m., Shelly Lee Alley and his orchestra; 8:30-9:30, Sears-Roebuck Agricultural Foundation program.

WHAD, Milwaukee, Wis. (475.1m-1090kc), 6:30 p. m., Arthur Richter, organist; 8:30, popular studio program; Sally and her gang.

WHO, Des Moines, Iowa (526m-570kc), 7:30-8 p. m., tenor orchestra; 8:30, Bankers Life trio; Myrtle Williams, soloist; 11-12, frolic.

WOAW, Omaha, Neb. (325m-970kc), 6 p. m., Huro Beyn, marimba soloist; Emil Hoffmann, pianist; 6:50, Joe Bauer and his Highway Gardens orchestra; 9, program.

WSB, Atlanta, Ga. (428.3m-700kc), 8 p. m., Sears-Roebuck program; 10:45, Charlie Tronita Melody artists' orchestra.

WSM, Nashville, Tenn. (282.8m-1090kc), 6:45 p. m., Andrew Jackson hotel orchestra; 8, studio program; 10, studio program.

WSUL, Iowa City, Ia. (483.6m-620kc), 11:15 p. m., theater organ program, Elaine East.

Mountain Time Stations

KOA, Denver, Colo. (322.4m-930kc), 6:30 p. m., dinner concert; Brown Palace string orchestra; 8, instrumental program; Schuerman's Colorado orchestra; 8:25, studio program, Minstrel show; orchestra.

Pacific Time Stations

KFI, Los Angeles, Calif. (467m-642kc), 7-8 p. m., Owen Fallon's Californians; 8:30, semi-classical hour; 9-10, program; Walker M. Murphy Motors company, KFO; 10-11, Meiklejohn Brothers.

KFWB, Hollywood, Calif. (252m-1190kc), 8:9 p. m., Seely company; 9-10, program; Corduroy Fire Stores; 10-11, Warner Brothers frolic.

KGW, Portland, Ore. (491.5m-610kc), 6:7 p. m., dinner concert; 7:30, KGW movie club; 7:45-8, N. J. Fuller; 8:9, vaudeville entertainment; 9-10, concert; 10-12, Cole McElroy's orchestra.

Tuesday, October 26

Headliners Today

Eastern	Central	Mountain	Pacific
KLDS (440.9m-680kc), 9 p.m.	Navy Day program, 10:30	Ararat Temple Shrine Serenaders, 8	"Freshmen", 7
WBR (365.6m-820kc), 10:30	Excel ensemble, 7:30		

For stations silent tonight refer to first Tuesday's list.

Eastern Time Stations

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

WEAF, New York, N. Y. (491.5m-610kc), 4-12 midnight, Woman's League of the United States; Par-nassus trio; dinner music; Dorothy Bellano Rumage, soprano; Columbia University French lecture; Greenwich Village Inn orchestra; Vikings; Jolly club.

Burns THE LOUD SPEAKER THAT SATISFIES

VOLUME WITH CLARITY

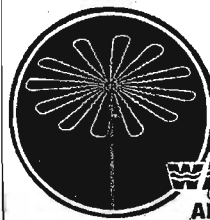


\$22.50 AND \$25.00

Why sacrifice the excellent qualities of a set by using an inferior speaker. A trial will show the amazing results secured with a Burns Speaker.

At your Dealers or write direct American Electric Company State and 64th Streets, Chicago, U. S. A. Ask About Burns B-Eliminator

Knicker Bakers: Everyday hour; bridge; dance music



BRING IN EVERY STATION On the Air With A WAVE-X Condensing ANTENNA

An aerial that can be erected on wall, chimney or roof, anywhere 5 foot square is available. Provides sharper tuning, increases selectivity and is non-directional. Twelve highly conductive leaders reaching out in all directions have the capacity of long single wire. Perfect insulation prevents losses. Erected and dismantled quickly. A single upright to erect, hammer and screwdriver the only tools needed. No. 2, 8 foot pole ready to install, full instructions, \$12.50. Get a Wave-X now.



A strong hand turned rock maple pole 5 or 8 foot lengths. Fits any roof. Will carry heaviest sleet covered single or multiple wire antennas in strong wind. Complete, guy rods, nee irons, roof sockets, anchor plus and full instructions. 5 foot mast \$3.50 each. 8 foot \$4.25. Ask your dealer.

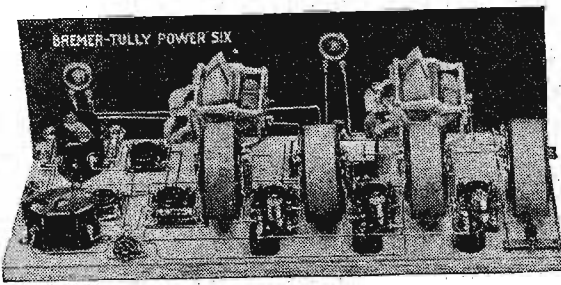
DEALERS

Wave-X and Redi-Mast are quick sellers. Write today for our dealer offer.

Manufactured by THE PRESSED METAL MFG. CO Waukesha, Wis.

Sales Dept. THE ZINKE COMPANY 1323 S. Michigan Ave. Chicago

Take advantage of the New Power Tubes Build the NEW B-T POWER-SIX



Essential parts available in Kits

The new Bremer-Tully Power Six incorporates the basic superiority of the Counterphase Six plus the latest improvements in tubes and parts. It is easier to build, easier to balance and simpler in operation.

Each Kit contains a full size colored wiring diagram—construction is simple.

The parts in the Kit—if sold separately would cost \$45.10 —PRICE OF P-6 KIT \$41.50—

"Better Tuning"

The Tenth Edition Better Tuning tells how to change your present model Counterphase Six to the Power Six model—Also complete discussions on B-Power Units—Counterphase Eight Receivers and Power Six Kits—Sent postpaid on receipt of 10c.

BREMER-TULLY MFG. CO. 520 S. Canal St. CHICAGO, ILL.

Makers of METRALIGN Makers of METRALIGN

BATTERY GA-JIT

REPLACES MESSY HYDROMETERS

Reads your battery at a Glance

\$1.25

Here's the clean, quick and easy method of battery reading with the Battery Ga-Jit. At a glance you can tell whether your battery is "low," "medium" or "full." If it registers "medium" your battery should be recharged. No more searching around in a small radio compartment with a clumsy hydrometer. Battery Ga-Jit reads and tests your batteries in a second. Also used by automobile owners.

Sold by all dealers. If yours cannot supply, send purchase price and we will send you one post-paid

General Instrument Corp.

Makers of METRALIGN SLT Condensers
 477 BROADWAY NEW YORK, U.S.A.

METRALIGN Makers of METRALIGN

WCBS, New York, N. Y. (415.5m-550kc), special program celebrating second anniversary, establishment of WCBS; 8:30, Broadcasting "The Miracle" from Philadelphia; 10:30, Arrowhead luncheon orchestra.

WHN, New York, N. Y. (361.2m-530kc), 6:30 p. m., Freshman Entertainment; 7, Astoria Island orchestra; 7:30, Will Oakland's chat; 8, Treasureland Home owners ensemble; 8:30, Sach's Quality Boys; 9:30, Lewis and Clark theatre orchestra; 10, Prince Piotti, entertainer; 10:30, Strand Road orchestra; 11:30, The Playground.

WIP, Philadelphia, Pa. (503.2m-530kc), 7 p. m., Uncle Wip's bedtime stories; 8, dramatic review, Elliott Lester; 8:15, recital; 9:30, recital; 10:30, weekly movie broadcast; 10:30, Benjamin Franklin Hotel concert orchestra.

WR, Detroit, Mich. (516.2m-590kc), 7 p. m., Gold-kette's symphony orchestra, soloists; 8, Board of Commerce, Mt. Clemens, Mich.; 8:30, Manuel Cigar girls; 9, studio program.

WZZ, New York, N. Y. (454.3m-660kc), 7:05 p. m., Frank Jole; 7:30, Hotel Commodore dinner orchestra; 8, Champion Stork Plunk Club; WRC, WGY; 9, Pennsylvania Railroad hour; 10, Cook's Southern Hemisphere tour; WRC, WGY; 10:30, George Olsen's Hotel orchestra.

WLW, Cincinnati, Ohio (422.3m-710kc), 7:30 p. m., Carle hour; 8, Tenth Infantry band; 8:30 p. m., WRC, Washington, D. C. (468.3m-610kc), 7 p. m., Raleigh hotel orchestra; 8, WJZ; 9, WEAF; 10, WJZ; 10:30-11:30, News; 11:30, Paradise band.

WSA, Cincinnati, Ohio (328.2m-520kc), 8 p. m., WEAF; 8:30-10, WEAF; 10, bridge.

WTAM, Cleveland, Ohio (389.4m-770kc), 8 p. m., Hotel Cleveland orchestra; 9, State theater vaudeville; 8, WEAF; 8:30, WEAF; 9, 10:30, duet music; WEAF; 11, Austin Wylie's Vocalia recording orchestra.

Central Time Stations

KFAB, Lincoln, Neb. (340.7m-580kc), 5:30-6:30 p. m., Little Symphony; 7-7:10, WJZ; 7:10-8, KMOX, St. Louis, Mo. (280.2m-1070kc), 7 p. m., Little Neil Schoolhouse; 8, orchestra, soloists; 9, ballads, "Freshman"; 10, KVOX Radio orchestra.

KVW, Chicago, Ill. (535.4m-550kc), 6:30 p. m., dinner concert, Congress hotel; Family hour; 8:30, program, musical selections; 9-10:30, classical concert; 10:30-12, Congress Carnival.

WBAP, Ft. Worth, Texas (475.9m-530kc), 7:10-8 p. m., Wagener Hawaiian trio; 8-8:30, Smith-Balwell's Ft. Worth club orchestra; 9:30-11, Excel ensemble.

WFAA, Dallas, Texas (475.9m-530kc), 6:30-7:30 p. m., Texas Ramblers; 7:30-10, literary review; 8:30-9, bridge game; 9:30, Edwin Lerman, bass; 11-12, Baker hotel orchestra.

WGN, Chicago, Ill. (502.5m-590kc), 6:45-7 p. m., Drake concert ensemble, Blackstone string quintet; 8-9, WEAF; 9, Bridge game; 9:30, Grand opera; 10, Sam n' Henry; 10:10, Music Box; 10:20, Victor Newell Wood, tenor; 10:30, musical program; 10:40-11, songs, Correll and Gosden.

WHAD, Milwaukee, Wis. (475.9m-530kc), 6-10 p. m., orchestral selections, Wisconsin hotel orchestra; vocal selections; 8:30, Wisconsin theater review; 10:30, George Devine's orchestra.

WHO, Des Moines, Iowa (526m-570kc), 7:30-8:30 p. m., 14th Cavalry band; 8:40-9, Wilfred Fletcher, tenor; Marion Piper Ryan, pianist; 11-12, dance program.

WIBD, Chicago, Ill. (225.4m-1330kc), 6-8 p. m., artist faculty recital; 12-2, Aragon follies; Wayne Myers; Howard Neumiller; Fred Preston.

WJJD, Mooseheart, Ill. (370.2m-510kc), 5:45-7 p. m., dinner concert; Howard Peterson, organist; symphony players; Victorians; 8-9, child artists; 10-11,

WHO'S A WHOZITEER?

WHATZA Whoziteer? You don't know but you're going to find out. More'n likely you'll turn out to be one yourself. This Whoziteer's Whoziting takes your mind off your worries and if you win you strut around telling all the neighbors how smart you are. Talk about your intelligence tests—try Whoziting a while. You'll get a big laugh out of it. Who-who-ha-ha! Watch the next Radio Digest for particulars, out October 31.

Palmer House Victorians; Clarence Harper, Lucky Wilbur; 12:30 a. m., Settin' Up hour.

WLIB, Chicago, Ill. (302.3m-590kc), 7 p. m., dinner concert; 7:15-7:30, million stax; 7:30-7:50, old fashioned Almanack; 7:50-8:10, Correll and Gosden; 7:40-8, Appl. Sandy; 11-12, Correll and Gosden; Amlyne Larsen; 12-1, night club.

WOL, San Antonio, Texas (394.5m-760kc), 8:30-9:30 p. m., Cochran Mexican players.

WOAW, Omaha, Neb. (528.5m-570kc), 6 p. m., classical; 6:30, popular song period; 6:50, Pat's Melody boys; 9, popular and old time music.

WOC, Davenport, Iowa (483.5m-620kc), 7 p. m., WEAF; 7:30, popular program; 8, WEAF; 9:30, Toner trio; Charlotte Anderson Warren, soprano.

Mountain Time Stations

KOA, Denver, Colo. (322.4m-530kc), 6:30 p. m., din-

ner concert, Brown Palace string orchestra; 9, Auction bridge.

Pacific Time Stations

KFI, Los Angeles, Calif. (457m-640kc), 7-8 p. m., Howards' Quality serenaders; 8-9, Screen Artists string quartet; Robert Hurd, tenor; 9-10, varied program; 10-11, Packard Radio club.

KGW, Portland, Ore. (491.5m-610kc), 6-7 p. m., program; Eagle stores; 7-7:30, children's program; Atwater-Kent boys; 7:30-7:45, utility service; 8-10, educational program; 10-12, Herman Kevin and his orchestra.

Wednesday, October 27

Headliners Today

Eastern	Central	Mountain	Pacific
8:30 p.m.	7:30	6:30	5:30
WLIB (302.3m-590kc), The Cardinals.	WLIB (302.3m-590kc), The Cardinals.	WLIB (302.3m-590kc), The Cardinals.	WLIB (302.3m-590kc), The Cardinals.
WSM (282.8m-1050kc), Vito and his Radio Seven.	WSM (282.8m-1050kc), Vito and his Radio Seven.	WSM (282.8m-1050kc), Vito and his Radio Seven.	WSM (282.8m-1050kc), Vito and his Radio Seven.
WLW (422.3m-710kc), Navy Day program, Rear Admiral Albert Gleaves.	WLW (422.3m-710kc), Navy Day program, Rear Admiral Albert Gleaves.	WLW (422.3m-710kc), Navy Day program, Rear Admiral Albert Gleaves.	WLW (422.3m-710kc), Navy Day program, Rear Admiral Albert Gleaves.
10:25	9:25	8:25	7:25
KOA (322.4m-530kc), Special Navy Day program.	KOA (322.4m-530kc), Special Navy Day program.	KOA (322.4m-530kc), Special Navy Day program.	KOA (322.4m-530kc), Special Navy Day program.

For stations silent tonight refer to first Wednesday's list.

Eastern Time Stations

PWK, Havana, Cuba (399.8m-750kc), 8-10 p. m., Military band music.

WCX, Detroit, Mich. (516.2m-590kc), 6-7 p. m., Gold-kette ensemble; 8-9, studio program.

WBDO, Winter Park, Fla. (239.2m-1250kc), 9 p. m., Navy day program, talk, William Justice Lee; 10:20, Winter Park Chamber of Commerce.

WEAF, New York, N. Y. (491.5m-610kc), 4-12 mid-night, "Points for Business Women, Sarah A. Tainter; dinner music; United Synagogue; Davis Saxophone octet; Ipana Troubadours; Smith Brothers; Navy Day program; Ben Bern's orchestra.

WEAO, Columbus, Ohio (283.9m-1020kc), 8:45 p. m., music; 9, Neil House hour of music.

WGHB, Clearwater, Fla. (285.3m-1130kc), 8:32 p. m., Navy day program, American Legion, Royal Four-cornet band.

WGHP, Detroit, Mich. (270.1m-1110kc), 6 p. m., dinner concert; 8-8:30, studio program; 8:30-9, campers' half hour; 9-10, Little symphony orchestra.

WJR, Detroit, Mich. (516.2m-590kc), 7 p. m., Gold-kette's Pettie symphony orchestra, soloists; 7:45, Goni Will Oakland, Chief Pontiac; 9, studio program; 11, Murphy Brothers organist; 12, Merry Old Time and His Jesters.

WJZ, New York, N. Y. (454.3m-660kc), 7 p. m., Hotel Commodore dinner orchestra; 7:50, Major J. D. Gardner; 8, Imperial Inlay; 8:30, Deuler Handmen, watchmaker; 9, Navy Day program; 10, E. A. White hour; 11, Hotel Astor dance orchestra.

WLIT, Philadelphia, Pa. (284.5m-760kc), 7:30 p. m., Dream Daddy's bedtime stories; 8, Rolfe's dance orchestra; 8:30, WEAF; 9, Stanley theater hour of music; 10, Arcadia cafe dance orchestra.

WLW, Cincinnati, Ohio (422.3m-710kc), 7 p. m., Robert Viscotti's orchestra; 10, Navy Day, Rear Admiral Albert Gleaves; 10:15, Pink of Programs; 11, Johanna Grosse, organist.

WRVA, Richmond, Va. (266.3m-1170kc), 8 p. m., "B" batteries program; 9, organ recital; 10, Richmond Musicians club monthly program.

WTAM, Cleveland, Ohio (389.4m-770kc), 6:15 p. m., WJZ; 8, program; 11, Jack Horwitz Collegian serenaders.

The Best Radio Affords!



FREE

Hydrometer and Voltmeter

As an extra special offer to those who hurry their order for the Radiotone Loud Speaker offered below, we shall include absolutely free a highest grade Hydrometer to test your "A" battery and a guaranteed accurate Voltmeter to test your "B" batteries. You need these two accessories if you want to keep your radio always at its best efficiency. A genuine \$3.00 value—and given free on this special sale, while it lasts. So act quick!

Radiotone Loud Speaker

Only \$1.00 with the coupon below brings this Genuine Radiotone loud speaker to your home on approval for 30 days! No radio is complete without a good loud speaker. Here's a first class loud speaker at an astounding rock-bottom price, direct—and on easy, monthly payments besides! Special now—Hydrometer and Voltmeter, \$3.00 value, included FREE, if you send at once.

Makes Your Radio Complete

The Radiotone is super-sensitive, brings in distant stations with full volume so every one in the room can hear distinctly and easily. Wonderful clearness and absolute purity of tone. No distortion.

The Radiotone has a 14-inch horn made of Thorite in one piece without seam or joint, acoustically correct. This eliminates the metallic clang you often hear in other loud speakers. The reproducing unit is entirely enclosed at the base of the horn. The well balanced construction does away with all vibrations. The Radiotone has a graceful shape with a beautiful black flordur-line finish. It stands 23 inches high and weighs only 15 lbs. No extra batteries needed for the Radiotone—just plug it in as you do your head set. Nothing to wear out or get out of order. Sent complete with cord and plug.

30 Days Trial—\$3.00 a Month

Straus & Schram, Dept. R9417 Chicago, Ill.

Enclosed find \$1. Ship special advertised Radiotone Loud Speaker. I am to have 30 days free trial. If I keep the Radiotone, I will pay you \$3.00 monthly, total price \$19.50. The Radiotone is to become my property as soon as you receive the final payment. If not satisfied, I am to return it within 30 days and you are to refund my money and any express charges I paid.

Radiotone Loud Speaker No. 76897A—\$19.95 Voltmeter FREE

My Name _____ My State _____
 (Head of the family must sign this order. If you are not of age, have your parent or guardian order for you.)
 My Street Address _____
 R. F. D. or Box No. _____
 My Office _____ My State _____
 My Shipping Point _____ I have lived in this town _____ years
 And before that _____ years
 I lived in _____ town _____ for _____ years
 Occupation _____
 Give names of merchants who know you personally _____
 Name _____ Town _____ State _____
 Name _____ Town _____ State _____
 If you have ever bought goods on credit by mail, tell us from whom. If there is anything else you wish to tell us about yourself, write on a piece of paper and enclose it with this coupon. But the coupon alone, fully filled out will do.

No ill will want to know and we're ready to ship the goods at once. No formalities. No C.O.D. We trust rich and poor alike when they make us show us that they are honest.

When the Radiotone comes, there's nothing to pay. Use it freely at our risk on trial for 30 days. See how loud, clear and distinct the Radiotone brings in all stations—better than any other loud speaker that you have ever heard, giving you the best that is in your set. After 30 days trial if you think you can get along without the Radiotone, return it to us and we will refund your dollar plus all transportation charges. No red tape. The trial costs you not a cent. But if you decide to keep the Radiotone, pay only \$3.00 a month until you have paid the total rock-bottom direct price—only \$19.50. See if you can equal this offer anywhere on such amazingly liberal terms. You'll scarcely feel these small monthly payments.

Send Coupon NOW!

Only \$1.00 with the coupon brings you the Radiotone on 30 days' trial, satisfaction guaranteed, your dollar refunded if not satisfied. Send the coupon now while the special offer lasts. Hydrometer and Voltmeter FREE, if you act quick.

STRAUS & SCHRAM
 Dept. R9417 Chicago, Ill.

SYD LIFE-LONG 'B' BATTERY

UNCONDITIONAL 2-YEAR GUARANTEE Taken from Laboratory tests which appeared in The Chicago Daily News—"The Syd Storage 'B' Battery submitted to The Chicago Daily News Radio Laboratory for a test was found satisfactory."

100 VOLTS With Complete Charger. **\$15.50**

145 VOLTS With Complete Charger. **\$21.50**

Manufactured and Sold by **SYD STORAGE "B" BATTERY CO.**
 Dept. S, 1452 1/2 South Wabash Ave., Chicago
 Opposite Coliseum Calumet 4911
 Open till 8 P. M. Sunday till 2 P. M.
 Mail Orders Filled

FOUNDED 1899 IN 12 WEEKS

LEARN ELECTRICITY

Earn \$60 to \$200 a Week!

FREE Railroad Fare!

Why work for \$35.00 or \$50.00 or even \$40.00 a week when as a **Coyne Trained Expert** you can make \$50.00 to \$100.00 a week? Train You On Actual Electrical Machinery. No books or lessons and no practical experience. Don't need education or experience. We Will Assist You To Start. Work at home. Earn \$50.00 a week. **Special Service For Life After Graduation. The course is free and you pay nothing for it.**

COYNE 1900-1310 W. Harrison St. CHICAGO, ILL. DEPT. 76-76

Fill In And Mail To Day

H. C. Lewis, Pres.
 Coyne Electrical School, Dept. 76-76
 1900-1310 W. Harrison St., Chicago
 Dear H. C.: Please send me free your big catalog and full particulars of your special offer.

Name _____
 Address _____
 Town _____ State _____

W.M. Cleveland, Ohio (389.4m-770kc), 6 p. m., 10. Sunday hotel orchestra; 7:30, studio program; 9, W.C. 10, studio program; 11, Guy Lombardo's Royal Canadians.

Central Time Stations

KPRC, Houston, Tex. (296.3m-1010kc), 8 p. m., Records; Reubens dance orchestra; 8:45, concert.
 KTMS, Hot Springs National Park, Ark. (374.3m-800kc), 9:30 p. m., Lawson Reul, organist; 9:30-10:15, New Artistic hotel orchestra.
 KYW, Chicago, Ill. (535.4m-560kc), 6:30 p. m., Congress hotel concert; 7, Family hour; 8:30-9, musical program; 9:10-10, classical concert; 10:30-12, Congress Carnival; Eddie and Fannie Czajkowski.
 WBAF, Ft. Worth, Tex. (475.3m-630kc), 7:30-8:30 p. m., Panther Hawaiian trio; 9:30-11, saxophone quartet; 11:12, Southern Melody boys.
 WBBM, Chicago, Ill. (225.4m-1330kc), 8:30-9 p. m., bright stars from the comic opera; 9:30-10:15, melodies; 10:15-10:30, Izak Walton period; 10:30-11:30, Vanity Fair orchestra; 11:30-12, Vanity Fair orchestra; Grog Harvey's orchestra.
 WFAA, Dallas, Tex. (475.3m-630kc), 6:30-7:30 p. m., Jimmy Joy's Baker hotel orchestra; 8:30-9:30, Wednesday Morning choral club.
 WGN, Chicago, Ill. (302.3m-590kc), 6:45-7 p. m., request program, concert ensemble, string quintet; 8, WEA; 9, WEA; 10, Sam 'n' Henry; 10:10, Music Box; 10:20, Mark Love, bass; Drake hotel orchestra; 10:40-11, songs; 11-12, dance program.
 WHAS, Louisville, Ky. (399.3m-750kc), 7:30-9 p. m., Auto's Neutrikians.
 WIO, Des Moines, Iowa (526m-570kc), 7:30-8 p. m., television orchestra; 8-9, Bankers Life trio; Stewart Watson, harpist; 11-12, dance program.
 WLID, Chicago, Ill. (302.3m-590kc), 7 p. m., Drake concert ensemble; Blackstone string quintet; 7:15, million song; 7:30-7:30, old fashioned album; 7:30, Correll and Gosden; 7:45-8, Drake concert ensemble; 8:15-8:45, organist; Correll and Gosden; waltz time; 12, Cool Susterre music club.
 WQAW, Omaha, Neb. (526m-570kc), 6 p. m., Elks' concert; 6:50, Lillian Nielsen, popular entertainer; 9, Deluxe program.
 WOC, Davenport, Iowa (483.5m-620kc), 7 p. m., WEA; 7:30, Mulins Plowboys; 8-9, WEA; 9, WEA.
 WSB, Atlanta, Ga. (428.3m-700kc), 8 p. m., Dr. Charles A. Sheldon, organist; 10:45, concert.

Mountain Time Stations

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

Pacific Time Stations

KFI, Los Angeles, Calif. (467m-642kc), 7-8 p. m., students University of Southern California; 8-9, KFI drama hour; 9-10, popular program; 10-11, Azure Music club.
 KGW, Portland, Ore. (491.5m-610kc), 6-7 p. m., dinner concert; 7:45-8, lecture; 8-10, vaudeville program.
 KHJ, Los Angeles, Calif. (465.2m-740kc), 6:30-7:30 p. m., Uncle John and the children; 8:10, program, Zoellier string quartet; Harriet Andrews, soprano.

Friday, October 29

Headliners Today

Eastern	Central	Mountain	Pacific
8:30 p. m.	7:30	6:30	5:30
WCFM (491.5m-610kc), Melting Pot hour.			
10:10	9:10	8:10	7:10
KTMS (374.3m-800kc), Opera gems.			

For stations silent tonight refer to first Friday's list.

Eastern Time Stations

WEAF, New York, N.Y. (491.5m-610kc), 4:12 p. m., music; Hotel Seville string ensemble; dinner music; Happiness Candy boys; Ruthie trio; 9:30, Labrance

orchestra; 10, Whittall Anglo Persians; dance music.

WEMC, Berrien Springs, Mich. (315.6m-950kc), 9 p. m., old time hymns.
 WJZ, New York, N.Y. (454.3m-660kc), 7 p. m., George Olsen's Hotel Pennsylvania dinner orchestra; 8, Sundial Shoe serenaders; Bonnie Ladettes; 9, Breyer Ice Cream hour; 10, Democratic Electrical rally; 11, Paul Sneath's Twin Oaks orchestra.

WOO, Philadelphia, Pa. (508.2m-590kc), 7:30 p. m., Sylvania hotel dance orchestra; 8:10, health talk, Penna. Hygiene Division of Public Charities; 8:30, WOO operatic period; 9:30, Fox theater orchestra; 10, Sesqui-centennial program; 10:30, Sam Brown's dance orchestra.

WOR, Newark, N. J. (465.2m-740kc), 6:15 p. m., Bill Wadley in sports; 6:30, Hotel Breiten Hall string quartet; 7:25, Newark Evening News; 8:30, Worfitzer organ recital; 10:30, Jascha Guerwick's dance orchestra.

WRC, Washington, D. C. (468.3m-640kc), 7 p. m., Meyer Goldmann's Hotel Hamilton orchestra; 8, Mozart string quintet; 9, Dreyer Ice Cream hour; WJZ, 10, WEA; 10:30-12:30, Wardman Park hotel orchestra.

WRVA, Richmond, Va. (256.3m-1170kc), 6:30 p. m., dinner music; 7:45, Satz silver toned string band; 8:30, "Evening to the Oyster Family," invitational; 10:30, Hotel Richmond Winter Garden orchestra.

WTAM, Cleveland, Ohio (389.4m-770kc), 6:30 p. m., Jack Horwitz Collegian serenaders; 8, studio program; 9, WEA; 9:30, studio program; 10, WEA; 10:30, studio program; 11, Bamboo Garden orchestra.

WWJ, Detroit, Mich. (552.7m-850kc), 6 p. m., dinner concert; 8, Michigan night; 9, WEA; 9:30, dance program; 10, WEA; 10:30, dance program.

Central Time Stations

KMOX, St. Louis, Mo. (280.2m-1070kc), 7 p. m., KMOX Radio orchestra; 8, Colonel 6121's; 9, Do Re Mi double quartet; 10, music lovers' hour.
 KSO, Clarinda, Iowa (410.7m-730kc), 7 p. m., music; 7:15, All stars, T. P. Harris.



Use any tubes

Any type or combination of Tubes can be used with AMPERITE. Insures filament regulation to meet each tube's individual needs. Specified in all popular construction sets. Price \$1.10.

Radiall Company

Dept. R.D.-5 50 Franklin Street, New York City

Write for FREE Hook-ups



The "SELF-ADJUSTING" Rheostat

30 DAYS FREE TRIAL

7 Tube Set

Single Dial Radio



The Metrodyne

ONLY ONE DIAL TO TUNE

Retail Price
\$75.00

COMPLETELY ASSEMBLED
 BIG DISCOUNT TO AGENTS AND DEALERS

WORLD'S GREATEST RADIO! Wonderful Offer Direct from Factory. This marvelous 7 tube single dial control radio set will be shipped on 30 days free trial anywhere in the United States, just to prove that it is the greatest long distance receiver made.

F. L. Warnock, Greentown, Ind., writes: "I received the Metrodyne in good shape and am more than pleased with it. Got stations 2000 miles away."
 C. J. Walker, Meriposa, Calif., writes: "I believe that these one-dial sets are going to be excellent sellers. I had no trouble in tuning in stations enough to satisfy anyone, so you will please send me more sets." Thousands of similar letters received.

The Metrodyne Single Dial is a 7 tube Tuned Radio Frequency set, approved by America's leading radio engineers. Lightest grade low loss parts, magnificent walnut cabinet. Exposed metal parts are finished in 24 karat gold. Genuine bakelite panel, artistically designed in gold. Easy to operate. Only one dial tunes in all stations. Dial is electrically lighted, 1,000 to 4,000 miles on loud speaker. Powerful volume—clear, distinct reception. Shipped to your home for 30 days free trial.

Big Profits to Agents and Dealers!

Home agents and dealers make big money selling Metrodyne radios. All or part time. Metrodyne radios have no competition. Lowest wholesale prices. Demonstrating set on 30 days free trial. Greatest money making opportunity.



6 Tube Set

\$48.50

RETAIL PRICE
COMPLETELY ASSEMBLED

Write for Our Offer


METRODYNE SUPER SIX RADIO

Wonderful 6 tube, long distance radio set. Approved by America's leading Radio Engineers. Easy to operate. Dial is easy. Tune in your favorite stations instantly on the one dial numbers every time. No guessing. 30 days free trial.

Mr. Howard of Chicago said: "With 6 Chicago Stations on the set I tuned in 100% clear stations, including New York and San Francisco on loud speaker very loud and clear."

METRO ELECTRIC CO., Dept. 177 2164 N. California Avenue, Chicago, Illinois

THE TUBE WITH THE SENSIBLE GUARANTEE



Visible Truth!

ALL tubes look alike more or less—they are easily disqualified in handling.

You are told "this" is better or "that" is better—Perhaps it is true—Perhaps not.

Supertrons are different

You see a re-enforced interior construction.

You see the most expensive and best material—Isolantite.

You see DEFINITE QUALITY.

You are told SUPERTRON is the best—it's truth—It's Visible Truth.

Guaranteed by Serial Number.

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

In Canada slightly higher.

SUPERTRON MFG. CO., Inc., Hoboken, N. J.

Chicago Office—30 N. Dearborn St.
 Export Dept.—220 Broadway, New York City.

SUPERTRON

A SERIAL NUMBER GUARANTEE

The Foremost Independent Tube in America

The SONOCHORDE CONE

A Wholly New and Different Conception

THIS is the Cone Speaker that took New England by storm. Surpassing all previous Sonochorde successes, the 1927 models sell on sight and hearing to those who demand highest quality in both tone reproduction and beauty of appearance. Sonochorde is not "just another Cone," but an entirely new and ingenious creation, scientifically correct, with over 16 exclusive features only found in this Cone masterpiece.

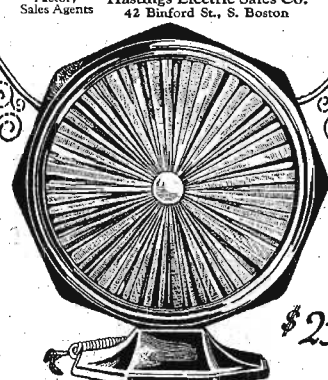
Wall Model. Equipped with heavy cord and decorative tassel. Price \$27

Send for the Sonochorde Story

BOUDETTE MFG. CO.
 CHELSEA, MASS.

Floor Model. A design of unusual distinction. Price with cord \$35

Factory Sales Agents Hastings Electric Sales Co. 42 Binford St., S. Boston



\$25.00

KTHS, Hot Springs National Park, Ark. (374.8m-800kc), 9:10-9:45 p. m., organ solos, Meyer Davis concert orchestra; 9:45-11:05, Raulook Garden frolic.

KYW, Chicago, Ill. (535.4m-560kc), 6:30 p. m., dinner concert; 8:30-9:00, music; 9:10-10:30, classical concert; 10:30-12, Congress carnival.

WBAP, Ft. Worth, Tex. (475.5m-530kc), 7:30-8:30 p. m., musical program; 9:30-11, concert; 11-12, musical program.

WBEM, Chicago, Ill. (225.4m-1230kc), 8:45 p. m., artist recital; 9:45-9, safety play; 9:10, string symphony; Variety Fair orchestra.

WFAA, Dallas, Tex. (475.5m-530kc), 6:30-7:30 p. m., Cooper's Texas Southerners; 8:30-9:30, Ruth Abernathy, pianist; Mrs. George N. Crosthwait, singer.

WCN, Chicago, Ill. (302.5m-810kc), 5:45-7 p. m., newest program, concert ensemble, string quintet; 7, the Million sing; 7:05, old-fashioned minstrel; 7:15, Paul Ash; 8, concert ensemble; Tommy Coates, baritone; 8:30, Correll and Gosden, studio ensemble; 9, WEAF; 9:30, concert; 10, Song 'n' Henry; 10:10, Music Box; 10:20, Bible readings; 10:30, artists; 10:40-11, songs, Correll and Gosden.

WHDN, Milwaukee, Wis. (276.1m-1060kc), 6:10 p. m., Wisconsin theater organ recital, Arthur Richter; 8:30, Marquette University classical suite program.

WHAS, Louisville, Ky. (390.8m-760kc), 7:30-8 p. m., Reynolds-Kent Kentucky hotel Cardinals; 8:5, Floyd and Wright orchestra.

WHO, Des Moines, Iowa (526m-570kc), 7:30-8 p. m., ten-room orchestra; 8:30, Garber trio; Leon Garber, bass; Paul Garber, tenor; 11-12, dance music.

WJJD, Moosehart, Ill. (370.2m-810kc), 5:45-7 p. m., dinner concert; Howard Peterson, organist; Palmer House symphony players; Victrolas; 8-9, child artists; 10-11, Victorians; 12:30 a. m., Settin' Up hour.

WLIL, Chicago, Ill. (302.5m-810kc), 11-12 midnight, Correll and Gosden; Tommy Coates; 12-1, Coon Sawyer, night club.

WMAQ, Chicago, Ill. (447.5m-670kc), 6 p. m., organ; 6:30, Wide Awake club; 8, light opera; 9:50, air line.

WOC, Davenport, Iowa (483.6m-620kc), 7:30-8:30 p. m., Neumann Melody Mixers; 8:30-9, WEAF; 9:30-10:30, Isaac Walton league male quartet.

WQJ, Chicago, Ill. (447.5m-670kc), 7-8 p. m., specialty hour; Rainbo Gardens orchestra; 10-2 a. m., Rainbo Gardens orchestra; Harry Geise, Jack Klein, Geisler Sisters, regular artists.

WSM, Nashville, Tenn. (282.8m-1060kc), 6:45 p. m.,

Andrew Jackson hotel orchestra; S, studio program; 10, musical; 10:30, F. Arthur Henkel, organist; WSWS, Chicago, Ill. (275.8m-1090kc), 6 p. m., dinner concert; S, Terrace Garden orchestra, classical program; 10, ballad and popular music, Oscar Leather, orchestra; 12, Witches hour.

Mountain Time Stations
KOA, Denver, Colo. (322.4m-930kc), 6:30 p. m., dinner concert, Brown Palace string orchestra; 7:30, Sunday school lesson; 8, instrumental program; 8:25,

SANGAMO

Mica Condensers

Money Talks

Salesman, Salesladies and Retail Merchants. My items fit all of you. Salesman averages \$1.00 profit for every dealer called on. Costs dealer \$2.00, he sells for \$3.50, makes \$1.50 on \$2.00 invested. Salesman makes \$1.00. If you are a Salesman or wish to become one. If you never sold anything in your life I will tell you how to make better than \$100.00 a week. (Address)
Geo. L. Lane, Mansfield, Ohio

Yale GROUND HOG

DOUBLES POWER AND DISTANCE

Marvelous newly-invented ground gives 100% improved reception. Doubles power and distance. Stops leakage. Reduces static. Stops jangling even in midsummer. Results never before equaled, users say. Satisfaction guaranteed.

Proven absolutely essential to clear, powerful distance reception. Draws and holds moisture indefinitely. Highly sensitive to radio energy. **SEND NO MONEY** to introduce, we offer to those who act at once, regular \$5.00 size for only \$2.00. Send name today and pay \$2.00 plus 17c postage on delivery. Or send only \$2.00 with order and save postage.

FREE—Full description of the Ground Hog and details of amazing special offer on request—write today.
Yale Specialty Supply Co.
 128 W. 4th St., Kansas City, Mo.

Tune by Wave Lengths

BRING IN STATIONS YOU NEVER HAD BEFORE

R A D E X

Tuning Charts

Show wave length you are tuning to. Tell where to set dials for any station. Identify programs without announcement.

BROADCASTING MAP AND DISTANCES FOR ANY SET AND ANY DIAL
Folk Edition Now Ready
 Send 25c, Coin or Stamps
RADEX, P. O. Box 143-P, Cleveland, O.

AUDIO FREE AMPLIFICATION

The four types thoroughly explained in a fully illustrated booklet 9x12 inches. This book 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.

Bradlexstat

PERFECT FILAMENT CONTROL

Provides complete noiseless filament control for all radio tubes without change of connections. Metal parts are nickel plated. One hole mounting. Self contained switch opens battery circuit when desired.

Allen-Bradley Co.
 Electric Controlling Apparatus
 290 Greenfield Avenue Milwaukee, Wis.

A & B Battery \$2 Charger ONLY

SATISFACTION GUARANTEED

Charges any type of storage A or B battery, using a few cents worth of ordinary house current, either alternating or direct. Cannot injure battery. Complete directions enclosed. Anyone can operate. No expensive "extras" to buy.

Why pay \$10.00 to \$15.00 for a charger when you can get this splendid GUARANTEED R.B. Charger by mailing us two dollars (bills, money-order, check or stamps) plus ten cents in stamps or coin to pay mailing costs. Charger will be sent postpaid. If not satisfied return within five days and we will refund your money. Order at once—TODAY.

R. B. SPECIALTY COMPANY
 Dept. Y-8 308 East Third Street
CINCINNATI, OHIO

Stromberg-Carlson RECEIVER

RADIO enthusiasts sat up and listened when the opportunity came to hear the Stromberg-Carlson receiver. That firm's name means quality. Their set won a leading place immediately in a market that seemed overcrowded with good makes. No claims are made of revolutionary ideas in new circuits, but every part is made with scientific precision. The Stromberg-Carlson is a striking example of the importance of balanced accuracy in radio building.

Sangamo Mica Condensers are used in the Stromberg-Carlson because they are permanently accurate. Sangamo Condensers are solidly molded in bakelite. All edges are sealed tight; no moisture can creep in to change the capacity. Their accuracy is guaranteed to be within 10 per cent and to remain unchanged. Distinctive in appearance, too; completely enclosed in velvet-smooth brown bakelite; all corners rounded to prevent chipping; reinforcing ribs for mechanical strength.

Experiment with "world-beater" circuits if you will—but remember that accurate Sangamo Mica Condensers will improve the tone and range of any set. You can fit your set exactly—there are 35 capacities to choose from.

Chosen for Karas Equomatic

CARTER

"IMP" Rheostat—All Metal

As always, the really best circuits* (and most popular) specify Carter products. Carter "IMP" Rheostat, all metal, no mottled parts to break or crack. Small, will last as long as your set. The K.E. Circuit also specifies Carter. Jacks No. 104 and No. 101 and Carter "IMP" Battery Switch.

Half Size
 10 ohms \$1.
 30 ohms \$1.

Made in all popular resistances. Any dealer can supply. *Write for list of other circuits using Carter parts.

In Canada—Carter Radio Co., Limited, Toronto.

Carter Radio Co.

KINGSTON

B Battery Eliminator

Complete with Raytheon Tube

TYPE 2
 For 110-125 Volt A C 60 Cycle Current
\$35.00

TYPE 2A
 Higher Power Eliminator for extremely large sets
\$42.50

TYPE 2C
 For 110-125 Volt A C 25 or 30 Cycle Current
\$47.50

Write For

Hampton Wright's Radio Economy Catalog

Quality Radio Equipment at Worthwhile Prices

Hundreds of items are listed that make fine radio sets and parts within the reach of every home. Our service is unusually attractive to dealers, set builders and users of parts. Satisfaction is assured on all Hampton Wright purchases. Specify catalog No. C-8.

Hampton Wright
 P. O. Box 181
 Indianapolis, Ind.

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.

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

Is Without Noise
 The Kingston operates with extreme quietness and without vibration, and will not heat.

No Acid or Solution
 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.

At Your Dealer's

KOKOMO ELECTRIC CO. KOKOMO, IND.

Kingston

Tried SANGAMO BY-PASS CONDENSERS? They stand the surges without breaking down.

Sangamo Electric Company
 632-8 Springfield, Illinois

RADIO DIVISION, 50 Church Street, New York

SALES OFFICES—PRINCIPAL CITIES

For Canada—Sangamo Electric Co. of Canada, Ltd., Toronto. For Europe—British Sangamo Co., Ponders End, Middlesex, Eng. For Far East—Ashida Engineering Co., Osaka, Japan

studio program, orchestra, cello, tenor, solo; readings, soprano and piano selections. KOB, College Station, N. M. (348.5m-860kc), 7:30-8:30 p. m., music department program. Pacific Time Stations KFI, Los Angeles, Calif. (467m-642kc), 7-8 p. m., Jack Smith's time orchestra; 9-9.59, Aerialian organ recital; 9-10, varied hour; 10-11, Packard ballad hour. KGW, Portland, Ore. (491.5m-610kc), 6-7 p. m., dinner concert; 8:30-10:30, Cole McElroy's orchestra; 10:30-12, Hop Oats.

Saturday, October 30

Headliners Today

Eastern Central Mountain Pacific 1:30 p.m. 12:30 11:30 a.m. 10:30 KOB (348.5m-860kc), N. M. Teachers' College—New Mexico State game. KSNAC (342.7m-880kc), Oklahoma-Kansas State football game. KSO (410.7m-720kc), Corning-Clintonia game. KSDA (295.5m-1000kc), Centenary College-Arkansas game. KYW (535.4m-560kc), WEAQ (293.9m-1020kc), Chicago-Ill. State football game. WIZ (333.1m-903kc), Yale-Army game. WGN (342.5m-890kc), Pennsylvania-Illinois game. WGY (379.5m-720kc), WJZ (454.3m-600kc), Navy-Michigan game. WIA (535.4m-560kc), WCCO (416.4m-720kc), Wisconsin-Michigan game. WOI (270.1m-1110kc), Nebraska-Iowa State game. WSLI (481.6m-620kc), Carroll-Iowa game. WYFZ (454.3m-600kc), WGY (379.5m-630kc), WJZ (333.1m-903kc), WRC (468.3m-640kc), Philharmonic orchestra. WEAQ (293.9m-1020kc), WEEI (491.5m-610kc), WEEL (491.5m-610kc), WCAE (491.5m-610kc), WSAI (491.5m-610kc), WTAM (491.5m-610kc), WWJ (491.5m-610kc), WGN (491.5m-610kc), WCCO (491.5m-610kc), WYFZ (491.5m-610kc), WJZ (491.5m-610kc), WRC (491.5m-610kc), Philharmonic orchestra.

For stations silent tonight refer to first Saturday's list.

Eastern Time Stations

PWX, Havana, Cuba (898.5m-750kc), 8:30-11 p. m., typical Cuban concert. WEAQ, New York, N. Y. (491.5m-610kc), 5-12 p. m., tea and dinner music; 10:30-11:30, Walter Hamroski concert; musical comedy hits, WEAQ Light opera concert with orchestra. New York symphony concert, Walter Damrosch.

Silent 'B' Power with World Radio Storage 'B' Battery. 12 Cells. Dependable. Quiet. 'B' power, clear without 'hum.' Economy you have never before thought possible. Convenience. Outstanding performance. Recharged for almost nothing. Solid rubber case insures against leakage or acid. Extra heavy glass jars. Heavy rugged plates. Approved and listed as standard by Epp-Battle Laboratories, Pop. Sci. Inst. Standards, Radio News Lab., Radio Institute of America. Extra Offer: 4 Batteries in series (96 Volts) \$10.50. SEND NO MONEY! Just state number of batteries you want and we will ship same this order is received. Pay expression after examining batteries; post card discount for cash with order. NEW! WORLD BATTERY COMPANY 1219 So. Wabash Ave. Dept. 76 Chicago, Ill. Makers of the Famous World Radio 'A' Storage Battery. Prices: 6-cells, \$10; 12-cells, \$19.50; 14-cells, \$24.50. All equipped with Solid Rubber Cases. Get your Radio Dial for the new 100-watt World Storage Battery. WBB, Chicago. Always according instructions.

POWERIZER AMAZING VOLUME with QUALITY. A 'B' Eliminator and power amplifier combined in one unit which employs the new super-power tubes and may be attached to any set. Think of it! Powerizer changes dull, lifeless notes into vibrant mellow tones, full in volume and rich in quality. Gives results not duplicated in sets selling short of \$300 to \$1000. Yet costs no more than a good 'B' Battery Eliminator ALONE. Hear Powerizer radio reception. Ask the nearest Powerizer dealer to demonstrate it TODAY. Price \$49.50 Radio Receptor Co. 166 Seventh Ave., New York

WLW, Cincinnati, Ohio (422.3m-710kc), 6:55 p. m., weather; 7, Johanna Grusse, organist; 8, Secretary Hawkins Radio club; 8:30, Weak End serenade; 9, dance music, Castle farm. WRC, Washington, D. C. (468.3m-640kc), 8:10 p. m., WJZ; 10-10:30, WJZ; 11:30-12, Otto F. Beck, organist. WSAI, Cincinnati, Ohio (328.9m-920kc), 8 p. m., Biograph playing card sextet; 9, Fansteel hour, WEAQ. WTAM, Cleveland, Ohio (389.4m-770kc), 6:15 p. m., Hotel Cleveland orchestra; 7:30, studio program; 8, Hollenden hotel orchestra; 9, New York Symphony orchestra; 10, vaudeville. WJZ, Chicago, Ill. (332.7m-850kc), 2:30 p. m., football game; 9, WEAQ.

Central Time Stations

KYW, Chicago, Ill. (332.5m-890kc), 6:30 p. m., dinner concert, orchestras; 7, Family hour; 8, musical program; 9-10:30, classical concert; 10:30-12 m., Congress carnival; Henry Gordon and his orchestra. WBAF, Ft. Worth, Tex. (475.3m-630kc), 8-8:30 p. m., Pauline McCurry, pianist; 9:30-11, Alfred Broward's Little symphony. WGN, Chicago, Ill. (302.8m-990kc), 6:35-7 p. m., Drake concert ensemble, Blackstone string quintet; 8-9, WEAQ; 9, Light opera period; 10, Sam N. Henry; 10:10, Music Box; 10:25, Mark Love, bassist; 10:40-11, songs, Correll and Gosden. WLIR, Chicago, Ill. (302.8m-990kc), 7-7:15 p. m., Drake concert ensemble, Blackstone string quintet; 7:15, million sing; 7:20, old fashioned almanack; 7:30, ensemble, Tommy Coates, baritone; 11:42, Correll and Gosden; Ambrose Larsen, organist; orchestra; 12-1, Coon-Sanders' night club. WSB, Atlanta, Ga. (428.3m-700kc), 8 p. m., Atlanta Atwater Kent hour; 10:45, Journal Hired Hein Skyline.

Mountain Time Stations

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

Sunday, October 31

Headliners Today

Eastern Central Mountain Pacific 6:20 p.m. 5:20 4:20 3:20 WEAQ (491.5m-610kc), WEEI (348.6m-560kc), WRC (368.5m-600kc), WWJ (352.7m-850kc), KSN (545.1m-550kc), WCAE (461.3m-650kc), Cantorial family. 8:15 7:15 6:15 5:15 WEAQ (491.5m-610kc), WEEI (348.6m-560kc), WSAI (428.9m-920kc), WGR (319.9m-940kc).

Write for FREE (Special Literature and Instructions) on the New! Cockaday LC-27 Broadcast Receiver and Silver Shielded Six S. HAMMER RADIO CO. 303 Atkins Ave., Brooklyn, N. Y.

Walk into any radio store tonight and ask for a demonstration of Octacone, together with any three of the highest priced speakers. Turn your back and pick out the most mellow, faithful tone reproduction. If you do you'll walk out with an Octacone at only \$19.50! Pausin Engineering Co. 727 Frelinghuysen Ave. Newark, N. J. OCTACONE \$19.50

WWJ (352.7m-850kc), WGN (302.8m-990kc), WCCO (416.4m-720kc), KSD (545.1m-550kc), Atwater Kent hour. 12 11 10 9 WEAQ (475.5m-630kc), Amphion quartet. For stations silent tonight refer to first Sunday's list.

Eastern Time Stations

WEAF, New York, N. Y. (461.5m-610kc), 2-3 p. m., interdenominational church services; 3-4, Young People's conference; 4-5:30, Men's conference; 5:30-6, Walter Chapman, pianist; 6-7:20, orchestral concert; 7:20-9:15, Major Bowes and his family; 9:15-10:15, Atwater Kent hour. WHN, New York, N. Y. (361.2m-830kc), 6:30 p. m., Lobby's, Hotel dinner music; 11:30, The Play-ground.

Central Time Stations

KLDS, Independence, Mo. (440.5m-690kc), 11 a. m., services; 3 p. m., KLDS church; 6:30, services; 9:15, studio service. KMOX, St. Louis, Mo. (280.2m-1070kc), 9 a. m., Shropes Sunday night club. KYW, Chicago, Ill. (555.4m-560kc), 11 a. m., Central church; 4:30 p. m., studio concert; 9:30-11, classical concert; 7-8:30, Sunday Evening club service. WBAF, Ft. Worth, Tex. (475.5m-630kc), 11 a. m., First Methodist church; Will Foster, organist; 9:30-11 p. m., Sorin-White Top O' Texas orchestra. WGN, Chicago, Ill. (302.8m-990kc), 6:45-7 p. m., Blackstone string quintet, solo artists; 7, The Million sing; 7:10, old fashioned almanack; 7:30, concert ensemble, Correll and Gosden; 8, Audie Sany; 8:15, WEAQ; 9:15, 'Our Music Room'; 10, Sam

To Close Out Our Cabinets, We Offer Them at Less Than Half Price—Nothing Ever Offered at Such a Bargain. No. 37 Console. Strongly made from beautifully grained Douglas Fir. Shipped set up complete, sanded, ready for finishing in the natural wood, with full instructions for staining at home. Make your radio set an attractive piece of furniture at low cost! Additional door makes shelf in front of panel when open—extra \$1.00. No. 37 TWO-DOOR CONSOLE. Panel Size, Depth, Bat. Price. 7x35 9 10x11x18 \$6.95. 7x34 9 10x11x24 7.50. 7x36 9 10x11x24 7.50. 7x28 9 10x11x28 7.50. Illustrated Circular On Request. ORDER TODAY—DON'T WAIT UNTIL THEY ARE GONE. Express Body Corporation Crystal Lake, Ill.

AMSCO METALOID GRID GATES. There's no thunder in these Metaloids—no crackle or noise of any kind. They're Quiet! The resistance element is colloidal and smooth—not crystalline, ragged and noisy. Specified for the Equomatic. They're perfect! Ask your dealer or write for leaflet. AMSCO PRODUCTS INCORPORATED Broome and Lafayette Streets New York City

'n' Henry; 10:10, Armand Buisseret, violinist; 10:20, Bible reading; 10:30, Coon Sanders' orchestra. WLIE, Chicago, Ill. (502.5m-990kc), 5-6:15 p. m., Herbert Johnson, pianist; Leon Lichtenfeld, cellist; Tommy Coates, baritone; Blackstone string quintet. WOAW, Omaha, Neb. (568m-570kc), 9 a. m., chapel service; 1:30 p. m., Father Flanagan's boys' period; 2:30, old time songs; 9, church service. WQJ, Chicago, Ill. (447.5m-670kc), 10:30 a. m.-12:30 p. m., People's church; 3-4, musical; 8-10, program, regular artists.

Applause Cards 1/2 Price. Name and Address Printed on Each Card FREE. Stations send you on numbers you request. Don't get ATTER, miss special cards. FREE LOG with 1st Order. Apply for Applause Cards and special cards on special prices. 100-31:48. 200-31:50; 300-43:40. Money refunded when you get cards. Send No Money and FREE Log. Order today—NOW. Radio Printers, Dept. 4417, Marengo, Ill.

New Novel Radio Sets The Mystic BUG. Good, Practical Crystal Set—Mounted in a Finely Modeled Art Pottery Bug—True To Life—An Ornament—Gets Local Stations LOUD and CLEAR. Every Fan will also want THE 'MYSTIC' WALL RADIO. Beautiful Art Pottery Crystal Set—Hangs anywhere. Either Set, List \$7.50. Dealers write for Exclusive Territory—Sample Set to Dealers, \$5.00 prepaid. THE BRUSH RESEARCH LAB. Zane Station, Zanesville, Ohio.

Satisfying Eye and Ear. HARMONY of design prophesies harmony of performance. Frame and base of artistic mahogany finish form a perfect setting for the graceful cone of pith wood composition. DEEP TONES from that usually missed lower register reappear in all their original richness, noticeably increasing the pleasure of every listener, even to the man who doesn't pretend to be a music critic. and Purse a price like this for a speaker like this is soothing to the tired wallet. \$12.50 Spartan Junior Disc Speaker. Three Models \$12.50 to \$25.00. SPARTAN ELECTRIC CORP. 348 West 34th Street, New York

KING BUILDS KARAS SET

(Continued from page 7)
the simple act of tuning in a station, can you imagine a more practical solution of the problem?

But I'm not through, brother—like Maggie when she gets on the phone—*she* saying *my* SAY, rules or no rules—*she*! Another very distinctive feature of this little wonder circuit is in the arrangement of the secondary coils which are apart and in no wise physically connected to the primary. This secondary mounts upon the baseboard or subpanel, and is not only angularly variable with respect to the position of the condenser shaft, but also adjustable in order to provide any desired degree of coupling with the primary. In fact, in the Karas Equomatic system the primary and secondary are so completely variable with respect to one another and their associated apparatus that practically any degree of coupling or variation of coupling is readily and easily obtainable.

Figures one and two are bird's-eye views of display units built up to demonstrate the chief principle of the Karas Equomatic system. By studying them it will be apparent that this arrangement furnishes a combination of exactly that which we have wanted so long but had given up hope of ever getting, because—as I repeat—"Everyone said it couldn't be done."

LONG before this you must have guessed that there must be a "deadly angle," and neither you are a good guesser! Yes, it cannot be any old angle. Fifty-eight is the number and that means 58 degrees from panel center or lengthwise line at which you should mount the secondary coils. Happily the Karas company was thoughtful and realized that a whole of a lot of people would have another whole lot of trouble in finding 58 degrees, so they joined hands sensibly with a panel manufacturer with the result that Karas is equipped to supply you hungry circuit hounds with not only the

CLASSIFIED ADVERTISEMENTS

DOGS

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

INSTRUCTION

If you want to become a **RADIO ANNOUNCER** write Pioneer Radio Broadcasting School, 843 Little Building, Boston.

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.**

201A Radio tubes, tested, \$1.00. Electro soldering irons, \$1.00. Audio transformers, \$1.50. F. Meek, Rockbridge, Illinois.

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

Will sell nearly new **Crosley Trifony \$25**, Cost \$50. Geo. Wright, 929 Broadway, New York.

Prove your reception by the most practical and convenient method: **Proof of Reception Cards.** Contains spaces for complete record, dial settings and signature of announcer. Handy size, 3x5 inches. Send 25 cents for sample package. Radio, 2617 Hollywood Ave., Chicago.

REAL ESTATE

LAND FREE if planted to bananas. Bananas bear a full crop the second year, \$5.00 monthly will plant five acres which should pay \$1,500 profit annually. Reliable Companies will cultivate and market your bananas for 1/2. Bananas ripen every day and you get your check every 30 days. For particulars address National Development Co., Empire Building, Block 137, Pittsburgh, Pa.

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 \$865 in one month. Representatives wanted at once. This plan is sweeping the country—write today before your county is gone. **G. A. RKA, INC.**, 431 N. La Salle Ave., Chicago.

face panel, drilled and engraved ready to go, but also with the sub-panel likewise drilled and with this cute little angle located and engraved in as big as a "house afire." Pretty nice, I'm saying.

Naturally I expect after you throw this circuit together and commence getting the world's news that you may hunch one or the other of these secondaries over a seventy-five thousandth of an inch—also that you will keep fooling with the adjustment of the primary until getting what's on the air will be boys' play. Go to it! Maggie promises that with the one which she is holding she will beam all for contestants on DX. If she doesn't—well, if she doesn't—you and her can fight it out personally or otherwise, and she will answer every letter. Remember 'tough boy, this is a fight, not a party, and if any parties are to be thrown register me as also with you as long as it's merry.

TIME'S up—I haven't said a darned word about building it, operating, or the many things that are in store for you when we tackle its construction together, which we will do in the next article—next issue. Save them all, for it's going to be a cold winter with long nights and much on the air. If you want to be at the head of the Gang in your town with a real "he" receiver that does a regular job,

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—radio. Demonstrate evenings. Five tubestuments 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 AGENTS WANTED

Famous Air King line of 5-Tube T. R. F. Receivers 3 models, retail for only \$49.50 to \$59.50. Solid walnut cabinets. Wonderful tone and power. Liberal discounts to user agents. Write today, **20TH CENTURY RADIO CO.**, 1552 Coco Cola Bldg., Kansas City, Mo.

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.

Bradley Leak

THE PERFECT GRID LEAK

Provides a noiseless range of grid leak resistance from 1/4 to 10 megohms. Assures most effective grid leak resistance value for all tubes. Small grid condenser (0.00025) is separate. Metal parts nickel plated. One hole mounting.

Allen-Bradley Co.
Electric Controlling Apparatus
290 Greenfield Avenue Milwaukee, Wis.

6-Volt Storage Radio "A" Battery

Most amazing battery value ever offered! A genuine World 6-Volt Radio "A" Battery with 25 ampere capacity for only \$5.00! Just the thing you need for your Car, Boat, or Camper. Charge. Famous World Quality assured. Equipped with **Solid Rubber Case** Money

an insurance against acid and leakage. Order Now. We ship same day—by express C. O. D. subject to your examination on arrival. **Extra Offer: 6% discount** for cash in full. **ACT TODAY!**

World BATTERY CO.
Dept. 148,
STORAGE BATTERIES 1219S. Wabash Ave., Chicago
MONEY BACK GUARANTEE

then cut out the list of parts shown on page 7 and get them from your dealer or shoot your order to the Karas Electric Co.

I never have fooled you. The Mitoplex bothered some of you, but worked, and this little fellow—this little five-tube Equomatic—will be the one receiver which you will name Pal. It's already Maggie's steady, and she sure is sort of bound to please. And for fear that some of my old friends may be disappointed, may I be pardoned if I say, "Let's eat!"

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 all the self-defense and Judo. Have perfect health. Learn how to defend yourself. Handle big men with ease. Send for your free book. Write your name to **Farmer Burns, 4417 Ry. Exch. Bldg., Omaha, Neb.**

American Radio Now—50% DISCOUNT RADIO! ON 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. Write to **AMERICAN RADIO MFG. CO., Inc.**, 1444-B McGehee Street, Kansas City, Mo.

"B" BATTERY ELIMINATOR

Only \$1.95

MONEY-BACK GUARANTEE
Stop being a slave to the "B" Battery nuisance! Throw the old-fashioned cells in the ash can! Hook up a new Roll-O "B" Battery Eliminator in 30 seconds and forget battery troubles forever. This wonderful device makes better music. Sharper tuning. Ends that annoying hum. More real pleasure from your set.

Completely Equipped—No "Extras" to Buy
Operates perfectly on direct or alternating current, giving you freedom of location. Batteries won't get it work right. Order your Eliminator TODAY! For money back guarantee. Now cut to \$7.95. Write name and address on a piece of paper, pin a dollar bill to it, and mail to **THE HARCO CO.**, Dept. 6, 1255 S. Wabash Ave., Chicago, Ill. (A few cents postage) when he delivers your Eliminator. Use it ten days. If not more satisfied, return and get your money back.

Send \$1.95 Don't blame your set because run down. Batteries won't let it work right. Order your Eliminator TODAY! For money back guarantee. Now cut to \$7.95. Write name and address on a piece of paper, pin a dollar bill to it, and mail to **THE HARCO CO.**, Dept. 6, 1255 S. Wabash Ave., Chicago, Ill. (A few cents postage) when he delivers your Eliminator. Use it ten days. If not more satisfied, return and get your money back.

THE ROLL-O RADIO CO.
Dept. 22, Third & Sycamore Sts., Cincinnati, Ohio

STATEMENT OF THE OWNERSHIP, MANAGEMENT, CIRCULATION, ETC. REQUIRED BY THE ACT OF CONGRESS OF AUGUST 24, 1912.
Of Radio Digest, Illustrated, published semi-monthly at Chicago, Ill., for October 1, 1926.

State of Illinois, County of Cook, ss.—Before me, a Notary Public in and for said State and County aforesaid, personally appeared E. C. RAYNER, who has been duly sworn according to law, deposes and says that he is the owner and proprietor of the Radio Digest, Illustrated, and that the following is, to the best of his knowledge and belief, a true statement of the ownership, management and control of said publication, etc., of the aforesaid publication for the date shown in the certificate attached, required by the Act of August 24, 1912, embodied in section 443, Postal Laws and Regulations, printed on the reverse of this form to-wit:

1. That the names and addresses of the publisher, editor, business managers and other persons connected with the publication are: Publisher, E. C. RAYNER, 2335 Commonwealth Ave., Chicago, Ill.; Editor, Evans E. Plummer, 5685 Ridge Ave., North Chicago, Ill.; Business Manager, V. E. Huffer, Hotel Elms, 53rd and Cornell Ave., Chicago, Ill.

2. That the owner is: (If the publication is owned by an individual his name and address, or if owned by more than one individual the name and address of each, should be given below; if the publication is owned by a corporation the name of the corporation and the names and addresses of the stockholders owning or holding one per cent or more of the total amount of stock should be given.) E. C. RAYNER, 2335 Commonwealth Ave., Chicago, Ill.; George Seaman, 2150 Parkway, West Chicago, Ill.; F. T. Ryan, 510 N. Dearborn St., Chicago, Ill.; D. R. Seaman, 49 Cedar Ave., Chicago, Ill.; Joseph Seaman, 250 5th Ave., New York, N. Y.; Huffer, Hotel Elms, 53rd and Cornell Ave., Chicago, Ill.

3. That the known bondholders, mortgagees, and other security holders owning or holding one per cent or more of total amount of bonds, mortgages, or other securities are: (If there are none, so state.) None.

4. That the two paragraphs next above, giving the names of the owners, stockholders, and security holders, are true and correct as far as the names of stockholders and security holders as they appear upon the books of the company, but also, in cases where the stockholder or security holder appears upon the books of the company as trustee or in any other fiduciary relation, the name of the person or corporation for whom such trustee is acting, is given; also, that the said two paragraphs contain statements embracing affiant's full and complete knowledge of the circumstances and conditions under which stockholders and security holders who do not appear upon the books of the company as trustees, hold stock and securities in a capacity other than that of a bona fide owner; and this affiant has no reason to believe that any other person, association, or corporation has any interest direct or indirect in the said stock, bonds, or other securities than as so stated in this statement.

5. That the average number of copies of each issue of this publication sold or distributed, through the mails or otherwise, to paid subscribers during the six months preceding the date shown above is:.....
This information is required from daily publications only.

E. C. RAYNER,
(Signature of publisher.)
Sworn to and subscribed before me this 27th day of September, 1926.
(SEAL)
A. C. McKITTRICK,
(My commission expires October 1st, 1926.)

Make Money Evenings

IF you want more money, why not put your spare time to work? We have shown 4,364 men how they can demonstrate radio instruments during the evening and without any past experience either in radio or salesmanship make

\$25.00 to \$75.00 Weekly

There is no reason why you cannot do the same. Radio is in demand—sell what the public wants. A demonstration in the home is the only way to sell radio. You can do this without, in any way, interfering with your present work.

12 Sales Lessons Free

You need not be a salesman. Let me show you how our sales lessons teach you all you need know about selling. These lessons will be given without charge to any man who is really desirous of making more money.

10 Service Lessons Free

You may not know radio but if you are willing to learn, we are willing to teach you and without expense. With this knowledge you need not have any fear of meeting any competition from any radio. The sooner you get started the sooner you'll be making money.

4,364 Men Are Doing It

Within the past four years 4,364 men have started under this plan—it is a proven success. Many have been so successful that they have been able to give up their positions and devote their entire time to selling radio under this plan. What they have done, you can do.

5 Tube Radio \$25.00

You will have 5 tube instruments to retail as low as \$25.00—others as high as \$235.00. You will have price and quality that no competitor can touch, and if you can prove what you can do, you will secure

Exclusive Territory

and put other men to work for you. But now is the time to investigate. Territory is being taken rapidly, so do not delay. This plan can only be taken by one man in each community if he can produce the sales. Send today for—

100 Page Book Free

describing the most interesting money-making plan you ever read. A copy will be sent immediately unless we already have a representative operating on an exclusive franchise in your territory. If you really want more money, don't delay a single day.

H. B. Fisher
Secretary & Treasurer
122 W. Austin Ave. Chicago