

Voice of Alleghenies; Jazz at O. S. U.

# Radio Digest

TWICE  
A MONTH

1

ed

FIFTEEN  
CENTS

SECOND AUGUST NUMBER

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

Vol. XVIII No. 3



*Beginning "Pretense," a Romance of the Chicago Supper Club, by Maurice R. Coons; Don't Guess—Measure Voltage; Conclusion of "The Fall Guy"; Gold Cup Standings*

# No. 13 OFFICIAL BALLOT

## Announcers' Contest

### RADIO DIGEST THIRD ANNUAL GOLD CUP AWARD

GOLD CUP AWARD Editor, Radio Digest,  
510 North Dearborn Street, Chicago, Ill.

Please credit this ballot to:

.....of Station.....  
(Announcer's Name) (Call Letters)

Signed .....

Address .....

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

8-15-26

## LEADERS SPEED UP IN DIGEST CLASSIC

### WESTERN ENTRIES HARD PUSHED BY N. Y., MASS.

#### Gold Cup Derby to Be Hot Finish With Dark Horses Forging to the Front

There they go! There they go!  
Keep your eyes on the winners. The Radio Digest Gold Cup derby for the world's most popular announcer is heading for the last lap around.

Anything is likely to happen from now on. Arkansas and Iowa still hold the lead, with Massachusetts and New York close behind.

Gaylord of WTAG, Worcester, nosed out his fellow Easterner, Brokenshire of WJZ, New York, on the last lap, for third place.

Arnoux of Hot Springs made a remarkable spurt on the backstretch and comes around past the grandstand leading by a gain of 35 per cent over his previous standing. But he had to do it. May of KMA, Shenandoah, was crowding him. May jumped more than 12,000 votes over the lead Arnoux had on the last time around. Arnoux snapped ahead with a gain of 16,086 votes. May picked up 10,900 new ones.

Gaylord added 7,258 new votes while his leading competitor, Brokenshire, only gathered 3,633 extras. It's going to be a hot race from now on between these four with the ever constant possibility that any one of the twenty-one other entries may spring a surprise by a grist of bonus votes forcing them ahead of the pace-makers.

#### Gaylord Dark Horse

Gaylord has been the dark horse from the start. Trotting along in sixteenth place he made a sudden spurt in the tenth lap, passing a whole string of others, so that he swept past the grandstand in sixth place. He then steadied into the leaders' pace but worked gradually ahead to fourth place on the eleventh lap, and now he is into third. Is that his best? The next time around will show Eyes of the East are betting on him strong and are holding Brokenshire in reserve.

Pat Barnes of WHT, Chicago, is considered another mystery candidate and although he seems to have been satisfied with trailing the four horsemen in the lead, some of the fan letters state that they are counting on him for a whirlwind dash at the last quarter-post. He gained 10,030 votes the last time around, which was almost as much as Gaylord and Brokenshire together.

There are very few changes among the trailers. Old King Cole at WHO, discovering that he was at the tail end the last time around, took a fresh breath and scampered up ahead of Sen Kaney and Eugene Konecky. Kaney kept right up close, leaving Konecky to take the dust of the whole field.

#### How They Stand

Here is the order as the judges called them off on the last lap, with figures in parenthesis indicating the position the previous time around:

1. G. C. Arnoux, KTHS (1).....63,247
2. Earl E. May, KMA (2).....46,365
3. C. Gaylord, WTAG (4).....35,294
4. N. Brokenshire, WJZ (3).....33,091
5. Pat H. Barnes, WHT (5).....28,522
6. A. S. Kyne, KMMJ (6).....14,563
7. Henry Field, KFNF (7).....13,065
8. The Hired Hand, WBAP (8).....12,756
9. Phillips Carlin, WFAF (9)..... 8,084
10. Peter MacArthur, WOC (10) 6,789
11. C. R. Randall, WSMB (11)..... 5,561
12. Louis J. Johnen, WLW (12) 5,223
13. R. W. Griffin, WHO (14)..... 4,472
14. Gayle V. Grubb, KPAB (13) 4,091
15. Lester Palmer, WOAW (15) 3,825
16. Lambdin Kay, WSB (16)..... 3,146

## ZIEGFELD GIRL IS ON THIS FRONT COVER

**A**BOUT as big as a minute but gifted with a voice that has charmed the elite of both visible and invisible audiences the little song bird on the Radio Digest cover this issue found her wings "on the air." She is Miss Olga Steck of New York. She knocked in vain at the doors of the booking offices on Broadway and then found her way into the ears of the theatrical barons by singing over WJZ. Radio fans went wild over her. The magnates sought her out. First she was featured in the "Springtime of Youth," then straight to the Ziegfeld Follies, later starring in "Little Jessie James," then "China Rose," and "The Matinee Girl." But she's still a Radio girl although next season she is to be in grand opera. She walks under a five foot level without stooping and weighs one hundred and nothing.

### WQJ Feature Attraction

CHICAGO.—The First National violin quartet are the feature attraction each Tuesday and Wednesday evening on the 10 o'clock program at WQJ, the Calumet Baking Powder and Rainbo Gardens.

## SHORT WAVES

By Marcella  
Per O. M. G.

Thunder and tarnation! Goldie Locks has packed up her vanity case and gone fishing, leaving a bulging folder all tied up with pink ribbon for a Mere Man with a low bass voice and black, curly whiskers to play Mrs. Grundy.

Just for that I'll start in on Marcella. I like the kid with her big, baby blue eyes, her fluffy, bronze hair—and, Oh Boy! She wears 'em rolled! Well, girls and boys, she's gone fishin' and all I gotta say is—pity the poor fish. We all kinda miss her with her giggling and good natured jesting and it's so quiet around the office now.

"Brown Eyes," Norwalk, Ia. Lo and behold no sooner had your letter been opened, inquiring about Bobbie Griffin, announcer at WHO, Des Moines, Ia., than in walks the answer in person! He's foot-loose and fancy-free, too, Brown Eyes. Never been booked by Hymen, has no anticipations, he says. Has a steady, blue-gray eye and blushes furiously if you merely mention girls. He's a real war hero, signed up with his dad who is a doctor. Both served in the ambulance corps. The Heinies nicked him, too. He doesn't care much about dancing but likes to fish when the girls aren't around to rock the boat. No, I didn't tell him your real name.

E. L. Tyson, announcer for WWJ, The Detroit News, has inspired a number of fair letter writers. Miss Polly writes: "I have a wager on him. Is he married and if so, how long? Age, eyes and hair—large or small? Be good and tell us, I am betting on him strong." And "A Good Listener" writes: "Is he married or single and, if married, does he live with his family? What college did he graduate from and did he serve in the war?" These questions were all put to Mr. Tyson and he replied: "Was supposed to be educated at Penn-State College a number of years ago, saw service with the Pennsylvania National Guards (103d Trench Mortar Battery) in France and Belgium. Living happily with wife and the greatest twenty-month old loud speaker in the country." Sorry, girls, but it's best to be perfectly frank. You gotta be square with the missus even if you are a popular announcer or have to sit several hours a day looking at Marcella or some other good looking girl in the office.

"C. C." writes to get a line on Frank Dahm of WGN. "Is he married?" she asks, and goes on: "That seems to be the usual question to ask about one's hero, how old is he, color of his hair, favorite pastimes, how tall and all the rest of the description that goes to make up an 'ether crush.' Does he, or would he correspond with any of his admirers?" Not hard-hearted Frank, "C. C." He just never does write to the girls. He said so himself and he's all wrapped up in Radio; talks to it, on it, of it and in it and nothing else but, so it seems. He lacks an inch and a half of six feet, has brown hair, blue eyes and when I asked him if he was married he positively barked, "NO!" He's the publicity director for that Drake Hotel attic broadcaster. You ask some other questions: Don Bestor and his orchestra are not on the air at present. Jack Chapman's at WMAQ and I couldn't find out about Maurie Blumenthal.

Here is another from Penn-State, Mr. Louis L. Kaufman, announcer at KDKA, Pittsburgh. He specialized in philosophy and they gave him a degree of bachelor of arts. He still is a bachelor, you know what I mean. And that will interest Adoree of Warrington, Fla., and Lucille of Weyer's Cave, Va., who have besought the details from Marcella. "And a perfect gentleman he is," quoth Mr. W. W. Rodgers, station publicity director. "He has a very gracious manner, big soulful brown eyes, brown hair, is of slight build and recently acquired a Chevrolet coupe." And Oh girls, he's 22 and not married! Mr. Rodgers says, "He does not love the great out-of-doors and he does not get lost in a big city. I believe he likes animals but don't know the particulars. He is good to his folks, plays golf, is a student of law, is not a professional alumnus of his alma mater and has the aplomb to be at ease in any company." It seems as though fair-listeners quite dote on Louis. It began with his first appearance in the studio. A woman member of the KDKA staff saw him and heard his voice as he consulted one of her conferees about a matter that had nothing whatever to do with Radio. "That boy has a wonderful Radio voice!" she exclaimed when he had passed out the door. The opinion soon brought Louis back again. He came, he spoke, he conquered.

Winifred T. Barr, pianist, is back at WFAF. I understand she was her husband's (Mr. Howard Hunter) "accompanist" on a recent business trip to the Pacific Coast and MovieLand—Oh! You wives! From all accounts there was as much pleasure as business. They climbed mountains, sailed in glass bottom boats, called on Major Mott at Catalina and strayed all the way to San Francisco.

(Continued on page 15)

# CONTENTS

Radio Digest, Illustrated, Volume XVIII, Number 3, published Chicago, Illinois, August 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
WFBG "Voice of Alleghenies".....	4
Dignity and Jazz at Ohio "U"—the Story of WFAO.....	5
"Pretense," an Exciting Supper Club Romance, by Maurice Coons.....	7
"The Fall Guy," by Jose B. and Harry Van Demark, Conclusion.....	9
Don't Guess; Measure Voltage, a Discussion of Meters, by the Technical Editor.....	11
Editorials; Indi-Gest; Condensed, by Dielectric.....	12
An Evening at Home with the Listener in, a Chart in Eastern Time Telling When to Hear Your Favorite Station.....	14
Women's Page; Women's Programs Index.....	15
Advance Programs for the Larger Stations, August 15-31.....	16-27
Directory of Radiophone Broadcasting Stations; Part II (Revised).....	31

## Looking Ahead

**Romantic America Will Have All Eyes on Atlantic City During the Early Part of September** when the annual beauty contest there will determine the fairest of the fair and place the crown "Miss America" on some queenly brow. Station WPG will be a favorite haunt of these exquisite damsels and you will read about it in the next Radio Digest.

**New York Recently Celebrated the Second Anniversary of Its Municipal Broadcaster, WNYC,** and a story of the remarkable success of this important Radio enterprise will be told in the issue of Radio Digest out August 31.

**California Claims to Have the Oldest General Entertainment Broadcasting Station** in the world at San Jose. A history and pictures of this interesting pioneer is being prepared for early publication in Radio Digest.

**"GOODY GOODY GIRL" Is the Title of a Smart New Serial Written Especially for Radio Digest** by Merlin Moore Taylor. It's a romance founded on the experiences of a charming little country girl who was whirled into a dizzy vortex of night life in a big city and it begins in the September 1 issue of Radio Digest.

**All the Sham and Bluff Are Torn Away in the Final Chapter of "PRETENSE"** by Maurice Coons in the September 1 issue of Radio Digest. The Prince and the Lady and the Million Dollar Hoodlum meet face to face for the final showdown. Get the beginning of the story in this issue.

**Watch for Radio Digest Announcement of Its Next "WHO'S WHO IN RADIO."**

**Wonder What the New Sets Are Like?** A review will appear in an early number showing and describing the new and better features embodied by the leading manufacturers in their 1927 model receivers. Every one will want to see this.

**Helps for the Beginner—How to Operate Your Set—**are topics which the "non-technical branch" of the technical department is preparing to pave the way for your better success in reception. One next issue, out August 31.

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

## SEND IN THE BLANK TODAY

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

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

Name .....

Address .....

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

# RADIO IS FILLING ALL CHURCHES

## RADIO WORLD'S FAIR STARTS BIG SEASON

ELABORATE AIR TREAT PREPARED FOR FANS

Industry's Chiefs Work Hard to Give Listeners Many Surprises—  
Listen Sept. 15

By Eric Palmer

NEW YORK.—Radio may annihilate space and nightly assumes a place as a miracle of science, but it takes months of preparation, sometimes, to provide those features which are sent out on the ether for the delight of millions. The human equation figures first of all.

This statement regarding lengthy preliminary activity applies in certain instances to the elaborate programs such as those sponsored by national advertisers.

It pertains more largely, however, to the very important matter of arranging for the feast of the fans that will mark the two biggest Radio weeks of the immediate future—in New York, September 13 to 18, 1926, and in the official Radio Week early next year, when transcontinental tests, if not international experiments, will be tied up with de luxe entertainment from a hundred stations in the United States and Canada.

Already leaders of Radio are busy outlining the plans for the treat in store for the invisible audience.

### Plan Biggest Radio Week Ever

At the recent conventions of the Radio Manufacturers' association in Atlantic City and the Radio Apparatus Section of the Associated Manufacturers of Electrical Supplies at Hot Springs, much attention was given to the idea of conducting the biggest Radio Week ever held, although sentiment was divided as to the advisability of again holding transoceanic broadcasting tests.

A special committee has been designated to work out an agenda to be discussed at a meeting of the Radio Week committee soon to be called. Briefly stated, it all means that the fans may await in confident expectancy thrills galore during the period in question.

The most enjoyable of all Radio events last year was the broadcasting of the annual Radio Industries banquet. Within the period of a little over an hour a vast audience—probably 10,000,000 people—were reached with a program that brought the best-known Radio stars before the microphone at one time. There will be another banquet, and a bigger entertainment! Put down September 15 on your calendar and break all other engagements already made if your social activities are planned so far ahead.

### Radio World's Fair Plans

Plans are progressing rapidly for live broadcast features to be given from the Radio World's Fair in New Madison Square Garden, where the Radio industry is combining all its exhibits and features, now that the exposition originally set for the Grand Central Palace has been withdrawn. These features will have a national and even international touch, and they will continue for six afternoons and evenings.

Probably rebroadcasting of a European station will be one of these special events. So get ready to dance to a waltz from London or a fox trot from Paris.

A gold medal from England, in addition to the Radio World's Fair medal and other awards, will go to the winner of the international amateur set contest, to be held at the Radio World's Fair.

Sets of exceedingly novel construction and those of proven extraordinary efficiency will be judged in New York. The winning sets in all classes will be given places of honor, too, at the Fifth Annual Radio Show in Chicago.

## WGR Gives Original Speech Used to Dedicate DX Phone

BUFFALO.—WGR, Federal Radio corporation here, had the recent honor of broadcasting the original oration, by the original speaker, which was used in the first test of the long distance telephone fifty-two years ago.

F. W. Stuart, now eighty-four years of age, delivered the oration written by Dr. Talmage, entitled "The Carousal in the Palace," which the former personally delivered in the year 1874 during the first test of the telephone line between Brantford and Tutela Heights, Ontario, Canada, a distance of four miles.

Mr. Stuart, a poet and author, was a personal friend of Alexander Graham Bell, inventor of the telephone, and was invited to repeat his oration for a test a few weeks later between Brantford and Paris, Ontario, a distance of seven miles.

## FEATHERED ARTISTS INNOCENTLY ON AIR

DENVER.—Feathered virtuosos were given another turn before KOA's microphones here recently when staff members were successful in broadcasting the music of meadow larks during intermissions in Clarence Reynolds' noonday organ concerts. The songsters were perched about the station on nearby telephone poles, unaware of Radio eavesdroppers. By placing a microphone in an open window of one of the studios, the bird signals were picked up without difficulty and flashed widespread to listeners.

## HEIRLOOM VIOLIN IS HEARD BY WHN FANS

NEW YORK.—Those who listen to Station WHN have heard the strains of a 200-year-old Seidel violin played by Joseph Richter. Mr. Richter is a native of Bohemia but has lived here for twenty years. He studied under Krakon and Zolynsky in Poland, and for years was concert master in the Austrian army. His violin was passed down to him from ancestors who played it before many members of European royal families. He reveres the instrument as the living soul of his ancestors and plays it so.

## PLAYS "HARP DE LOS ANGELES"



"Harp de Los Angeles," is owned and played by the young lady whose picture appears above. She may own and operate the harp of the angels, but she is very much alive and her name is Miss Louise Klos of KFI, Los Angeles.

## If Lois Had Only Known—

STORY tellers from the beginning have touched the hearts of men by tales of unsophisticated maidenhood lured into paths of danger by the leopards of society. It's a little different today than the time of "Way Down East" but the characters much the same underneath. Lois Sylvester rebelled against the stern authority of a foster parent, boarded a train and met adventure before she was out of sight of her home town. But she fought through one snare after another until—but let's not tell the story here. Read it in Radio Digest. It's thoroughly modern by an author who has something to say and knows how to say it. GOODY GOODY GIRL by Merlin Moore Taylor starts here September 1. Don't miss a word of it.

## FIGURES SHOW BROADCASTING HELPS GOSPEL

### Develops New Interest

### One Church Dusts 20 Years' Accumulation Off Gallery Pews Result of Being on Air

CHICAGO.—Radio religious programs are filling the churches rather than emptying them. This is the trend indicated by a survey of sacred broadcasting just made by Sears-Roebuck Agricultural Foundation.

Returns show that the church which broadcasts is on its mettle when it knows the world is listening in and puts an added zest into the music and service that brings people into the church instead of encouraging them to take their religion in comfortable doses at home.

One church in New Jersey states that since its services have begun to be sent out on the air, the gallery pews have been opened up and dusted off for the first time in twenty years.

The church that does not broadcast, on the other hand, feels the competition and makes every effort to bring its services and sermon up to the standard of the Radio churches and this, too, is filling up the empty pews.

### Survey Reveals Interesting Figures

One hundred and seventy-eight Radio stations from every part of the United States and in Canada, from Saskatchewan to Montreal, participated in this survey. One hundred and three of these stations, or sixty per cent, are giving some sort of religious service or sacred music as a part of their regular programs. Four per cent are considering adding this feature and six per cent have religious observance only on such occasions as Christmas, Easter and Holy Week.

Fourteen of these 103 stations are owned or operated by some church or religious body. The rest simply include these features along with secular programs, because they feel their audiences want and appreciate them.

Sunday is the day that 86 of these stations send out their sacred programs, while 22 are on week-days. The week-day programs consist of sacred music or instructional address. A number have a brief service every morning somewhere between 7 and 8 o'clock. Actual church services are broadcast in 86 instances, while in 22 cases the religious program is prepared especially for the Radio and is sent out direct from the studio.

### Ministers Co-Operate

Forty stations report definite cooperation from the ministers, none report antagonism, while the rest did not mention this angle of the situation. One or two replies told of resentment and jealousy on the part of local clergymen who were not broadcasting because their congregations were apt to stay at home to tune in on the big city churches, but these were notable exceptions.

Only two replies said that a decrease in church attendance could be traced to broadcasting, while 27 stated positively an increase. One clergyman wrote, "Since we have been broadcasting our service our church attendance has grown so rapidly that it is a problem to know how to take care of the crowds." Another pastor wrote that forty persons had recently joined his church, a direct result, he believes, from broadcasting.

A Catholic station writes that it has no effect on attendance in Catholic churches, as its members are obliged to attend every Sunday, but that the Radio furnished a means of instruction to their people that could not be given in any better way.

### Great Aid to Ill and Shut-Ins

Stations from Texas and Colorado mentioned that the large number of health seekers in these states made Radio religious services a great boon, as hundreds of them could get them in no other way. Listeners are in general composed of the ill, the crippled, the very old and those isolated in rural districts. Besides these are a few whom no amount of persuasion would get into a church-going habit, but who will listen to at least part of a religious broadcast. For the rest there are a large number who both listen in and go to church for worship and for social contact. No one felt that the Radio supplants church attendance, but is an

(Continued on page 30)

# WFBG "Voice of Alleghenies"

## ALTOONA RADIO Station May Be Small But Is Heard from Coast to Coast—a "Wren" Among the Greater Broadcasters. Special Service Fol- lowing Sporting Events by Remote Control



**W**ERE you ever wakened in the morning by the warbling of a wren outside your bedroom window? And did you ever hear a big, black crow broadcast his dismal caw from the naked tip of a cottonwood in a cornfield. There are Radio stations like the wren and the crow, little stations with sunshine and cheer in their voices and big stations with monotonous wails generated from limitless lung power.

One little station that might be compared to the wren is WFBG, located at Altoona, Pa. Theoretically it could be little more than a peep in the big broadcast world. It only has 100 watts to carry its voice, but that voice is packed full of good cheer, variety and it is said to carry practically as far as most of the 1,000-watt stations.

Altoona is perched up 1,200 feet above sea level in the Allegheny mountains. WFBG, with its 100 watts, literally is the "voice of the mountains." It sweeps down the East coast of the continent from Labrador to Cuba and wings westward to California and the Pacific.

"The world's champion big little broadcaster," writes Roy F. Thompson, director and announcer, and generally known to listeners as "R. T." Mr. Thompson stepped into the vacancy caused by the

sudden death of Walter S. Greevy, who was a director of the National Association of Broadcasters. There are three of the Thompsons, consisting of father, mother and daughter, Miss Alice Mary Thompson, pianist and soloist. They are known as the Thompson Trio.

"I really believe WFBG has been heard a greater distance than any other 100-watt

station in the world," continues Mr. Thompson, "for we have received verified proof of reception from Chulia Vista, California listeners, as well as points in southern Florida and at sea, off the Florida coast, aboard the steamship President Polk."

Almost every program brings a surprise of some sort to the listeners of this mountain Radio bird. It seems to waft the breeze and atmosphere of the Allegheny peaks. Perhaps the town is best known to the nation for the big speedway classics. Two great 250-mile motor races each year bring tens of thousands of visitors from all sections of the United States. This important event is graphically broadcast from various points of interest about the course.

"We began our career with the big Labor Day race," said Mr. Thompson, "in 1924, and the announcer was enabled to give an eye-witness account of the tragic finish in which Joe Boyer, apparently the winner, lost his life. We sent out details of the race on a scale that those who listened in understood more of what was going on all the way around the track throughout the progress of the race than those who were actually present and looking on. Since then we have been broadcasting semi-monthly programs by the Speedway orchestra in our Crystal studio.

"Our listeners are always interested in sporting events. We follow the World's Series games and sometimes the most important preliminary games. We also follow the local sporting news. The great championship contests by Pennsylvania railroad employes' field games were broadcast for their fans who were listening in all along the system. We had the microphone placed where we could watch every entrant, name him and announce the winner. We were on the air for eight hours straight on this occasion."

One of the unique musical treats was a band concert from Lakemont park, six miles from the station. The "mike" was placed on a float in the center of the lake, near the island bandstand. Listeners reported that the transmission was the best they had ever heard.

Station WFBG is owned and operated by the William F. Gable company and the Times-Tribune company, publishers of the Altoona Tribune. Robert B. Gable, the principal owner, is given credit by the community for bringing the station to Al- (Continued on page 30)

One of the proudest and most enthusiastic announcers in the country is Roy F. Thompson (top), who directs destinies of WFBG at Altoona. He is ably assisted by his wife and young daughter, Alice Mary (left). The Thompson Trio, en banc, are seen at the right. Both Daddy and Mamma Thompson sing and Alice Mary plays piano accompaniments.



# Dignity and Jazz at Ohio "U"

*WEAO Diversifies Varsity Lectures With Campus Frivolities at Columbus. Oldest Educational Radio Station Expands Usefulness—Complimented as Foremost of Kind by Secretary Hoover*

By M. M. CAROTHERS

**I**T TAKES courage for a broadcasting station to feature educational material consistently and persistently, when, as everyone knows, nine-tenths or more of the listening public wants entertainment and little else. But this is exactly what WEAO, "The Voice of Ohio State University," at Columbus, has been doing for four years.

If educational talks and lectures were all there is to judge by, Ohio listeners probably would vote "thumbs down" on WEAO. However, they have found beyond peradventure that the station adequately represents all the university, taking in its attractive sports schedule, its music and its major campus activities. Nevertheless, the educational features are uppermost.

"We're supported by the state of Ohio, whose tax-payers primarily pay us for helping them, their sons and daughters get an education," reasons Prof. C. A. Wright, head of the



Allen McManigal (left) doubles as member of faculty staff and "Uncle Al" on the Radio. "Midge" helps him entertain little listeners.

electrical engineering department, native of Mississippi and director of WEAO. "Besides, practically all the other 530 stations in this broad land are devoted almost solely to entertainment.

"Our status," he continues, "doesn't permit us to hire entertainers. On the other hand, since we serve the public, we cannot reasonably turn down those who offer their entertainment services and are deemed worthy."

**S**O IT happens that occasionally a snappy jazz band is heard from WEAO, or a group of campus harmonizers singing "That's My Infant," or a merry ensemble staging a piece of campus foolishness. All of which demonstrates that the University spirit is not to be kept quiescent.

The WEAO staff is not a large one, and the devotion to a common ideal has worked wonders. The station began operation in the spring of 1922, and spring of this year it initiated a brand-new transmitter, with 140-foot masts rearing their heads above the campus. Tax-payers and the Ohio legislature have never permitted the station to indulge in luxuries, such as privately-owned stations enjoy, and only through the untiring work of the staff was the new transmitter possible.

The first transmitter was designed and constructed on the university campus. So was the newest. R. C. Higgy, Ohio State alumnus and former editor of the operators' magazine, "Q. S. T.," who has been chief Radio engineer and operator the past two years, designed and built the new outfit with the assistance of M. F. McDowell, his assistant, who is one of the real veteran amateur operators of the United States, and others of the staff.

Secretary of Commerce Herbert Hoover recognized the educational work of WEAO last fall at the fourth Radio conference, when he acknowledged it as foremost in this line of activity on a basis of hours devoted to it and the variety of subjects handled. It is that this record has been maintained during the past winter and spring.

Sports broadcasting first was taken up on a



considerable scale in the fall of 1924. At that time it was decided to send out a play-by-play report of the football games played in Ohio's magnificent stadium, seating 75,000 persons. A. Lee Henderson, a young instructor in the department of psychology, was pressed into service for announcing. Extra microphones were placed where they could pick up cheers, music and yells.

The first event of this kind was a huge success. Since that date it has been duplicated many times, both from gridiron and basket-ball floor. Henderson's popularity as announcer still increases. A vote taken at the end of the 1924-25 season showed him the most popular sports announcer of the Western Conference schools.

Allen McManigal is another character of note at WEAO. He's an instructor in one of

(Continued on page 30)



Robert Derringer (circle) famous tenor, attains first Radio popularity by singing over WEAO. A. Lee Henderson (right) Ohio State sports announcer. Robert J. Coleman (extreme right) is the regular studio announcer, formerly musical director at one of student centers.

Prof. C. A. Wright of the Ohio State faculty (top) is director of WEAO. Grace Hamilton Morrey, concert pianist, one of the most popular staff artists.



Test the Synchronphase  
for—

tone, range,  
clarity, selectivity  
—every quality you  
believe a set should have

THERE are very definite reasons for the superior reception of the Synchronphase—the result of Grebe developments which are readily demonstrable, easily understood.

Get your dealer to show you the effect on reception produced by the *Colortone*, *Binocular Coils*, *S-L-F Condensers*, *Low-Wave Extension Circuits*, etc.

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

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

*This Company owns and operates stations WAHG and WBOQ; also low-wave rebroadcasting stations, mobile WGMU, and marine WRMU.*

THE  
**GREBE**  
**SYNCHROPHASE**  
TRADE MARK REG. U.S. PAT. OFF.



"If you have fields and will not plow them, your barns will be empty."

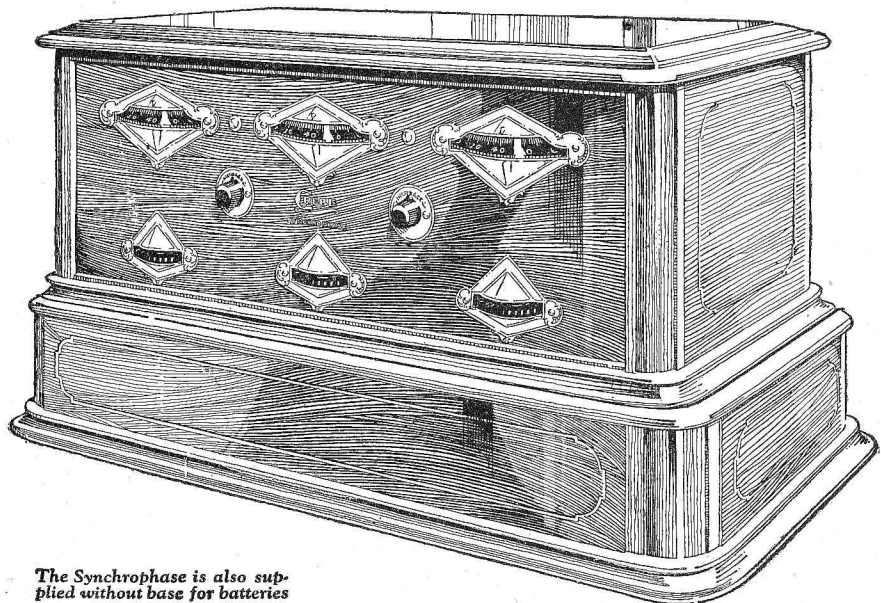
If you want the best in radio and fail to buy the Synchronphase, you must blame only yourself.

*Doctor Ma*



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

All Grebe apparatus is covered by patents granted and pending.



The Synchronphase is also supplied without base for batteries

# PRETENSE



by MAURICE  
R. COONS



**M**ANY of those who entered the Club Royale bowed to the tall, distinguished gentleman lounging near the inner doorway. And those who didn't wished they might. Even in these days of rampant democracy Prince Boris Masillof was a sought after personage.

Young enough, handsome, with the unlimited background for interesting conversation which only education and travel can provide, well versed in half a dozen languages—including that of love, a cousin of the ill-fated Czar; he had stormed the American social heights without a struggle or an apparent effort. The Chicago hostesses blessed the fate that had brought him unscathed past the New York lion-hunters and made the most of his presence.

Slender, with an erect, graceful military carriage that was a delight to the eye, a faultless dancer, women went out of their way to gain his regard. Other men openly discounted him but secretly feared him. Yet, even they admitted he was handsome. No one could deny that. His high, wide forehead rose above black eyes that seemed to dare, separated by a thin, straight nose of patrician perfection. A small, carefully clipped black mustache shaded a wide, full-lipped mouth that was cynical or humorous according to his mood. His hands were those of an artist, long, slender, white, graceful, quick, deft, expressive.

An ardent and experienced devotee of those diversions which flourish from midnight till dawn, his preference for the Club Royale, as evidenced by his nightly presence there, had established its position as "the" supper club of the city. Prince Boris seldom missed a dance and he was most democratic in his selection of partners. Women insisted on coming to the Club Royale merely for the possibility of dancing with him.

He stood now close to the inner en-

## MR. COONS Lifts the Cover from a Spicy Romance in a Fashionable Chicago Supper Club and Discovers Beneath a Frothy Surface True Love and Sacrifice

Illustrations by W. H. WISNER

trance with nonchalant ease, his left hand in his trousers pocket, lifting one side of his dinner jacket in a graceful fold, a long Russian cigarette drooping carelessly over his lower lip, the grayish smoke curling upward about his face like incense about the impassive countenance of an idol in an Oriental temple; while his eyes wandered over the room. But the doorway was the predominant object of his attention.

**H**E advanced suddenly and bowed as a girl entered alone, fashionably late. His eyes absorbed her flaxen blonde beauty hungrily. Then he smiled, satisfied.

"I was afraid you weren't coming."

She laughed a trifle nervously.

"Yes, I know I'm late. Somebody wanted to come with me and I had a time getting away."

Prince Boris smiled wisely and one eyebrow lifted quizzically.

"Andy?"

She nodded shortly.

"He insisted on going with me. Made quite a scene about me running around alone at night. But I told him I was perfectly able to take care of myself."

Prince Boris nodded approvingly.

"Quite right. That's one of the rea-

sons American girls interest me. After the petted, helpless women of Europe, their absolute independence is refreshing. It's justified, too. They're wonderfully capable."

He steered the girl gently toward the choice table which was always reserved for him at the edge of the dance floor. Many eyes surveyed them and little conversations, animated but secretive, sprang up here and there. The expressions on the faces of the speakers indicated the tenor of their talk. Some admired. Others were sneeringly cynical. Still others appeared frankly envious. Somehow no amount of money could give one such an unassailable social position as a crest and assassinated relatives.

The girl ordered sparingly but expensively. Prince Boris contented himself with a drink. Then their glances wandered about the crowded supper club. The hysterical round of gayety which would last until dawn was just beginning. People of evident wealth and position swept in through the velvet draped doorway singly and in groups. Elaborately obsequious waiters scurried about with trays of food and accepted whispered orders with impassive faces, returning with suspicious parcels wrapped in napkins.

"I am taking Miss Brent home," he announced.  
"Of course you are, Ricardo," assented Evelyn with a scornful glance at Frascita. "Let's go."

**F**ROM a dais at one end of the dance floor a dozen negroes in bizarre uniforms blared forth nerve-shattering jazz, amplifying it with unbelievable contortions suggesting overwhelming syncopation. Between courses the patrons danced; some who already had drunk too much approaching dangerously near the border line of decency. Lights. Noise. Frantic movement. Confusion.

The girl suddenly surveyed Prince Boris with frank curiosity. She noted the dark circles under his eyes; the deepening lines about his mouth.

"You look tired," she judged finally.

"I am," he admitted with a bored sigh. "Somehow I'm getting tired of everything."

"I think you need a wife who'll make you stay home nights," she retorted in mock severity.

"Never." His quick certainty made her wince as though he had slapped her. "I couldn't stand the eternal monotony. It would drive me crazy."

They danced. And more than one spectator remarked how well they danced together. Those who knew them both admitted, some enviously, that it appeared to be an ideal match. Vague rumors said the girl was Evelyn Brent of San Francisco, wealthy and socially prominent in her home city. She was obviously beautiful and charming. And Boris' own good looks and courteous charm were the talk of the town. They should go well together as a permanent arrangement. But, of course, one never could tell. Married life seemed to bring out the very worst in a person, abominable qualities and habits that there was no hint of before.

(Continued on page 10)



The Crosley Musicone, announced little more than a year ago, introduced a revolutionary speaker principle and took the radio loud speaker market by storm.

Its overwhelming popularity, which has involved the replacement of hundreds of thousands

of old type loud speakers, establishes beyond challenge the Musicone's superiority.

And now Powel Crosley, Jr., announces . . . the Crosley SUPER Musicone!

This larger 16-inch cone utilizes the same

Crosley patented actuating unit as the smaller Musicone . . . and this, NOT the cone shape, is the secret of Musicone excellence.

It offers, by virtue of its larger proportions, still more superb volume. It produces, especially in the bass, still richer resonance!

*The 12-inch Musicone has been reduced to \$12.50. Also at \$32 in the form of a beautiful Console, in which both receiver and batteries may be placed*

**The Crosley Radio Corporation, Cincinnati, Ohio**

**Powel Crosley, Jr., President**

# CROSLY <sup>Super</sup> MUSICONE

BETTER • **\$14<sup>75</sup>** COSTS LESS

Write Dept. 49 for illustrated booklet

All prices slightly higher West of the Rockies



# THE FALL GUY

by JOSE B.  
O HARRY  
VAN DEMARK

## JASON TELLYHEW Judged the Fall Guy by the Shape of His Nose and the Cut of His Jaw. But Alice Proved the Heart the Best Indicator.

IT was the crisis. Jason Tellyhew gravely closed the door after he had admitted young Standish to his den. He did not lock it. He could not find the key. His daughter Alice had anticipated a necessity for its removal. And when the latch had closed her pretty, blue eye blinked at the keyhole.

At first she heard little of what was being said, but presently their voices became more distinct. The emerald pal- lor from a lamp seemed to cast a ghastly light over Dick's high cheek bones and polished hair as he stood erect at the end of the long, flat desk. At moments her father's face came into view as he paced back and forth, toward and away from Dick.

"It is no use. You are impossible." Her heart pounded as she caught these words from her parent and dimly saw Dick's eyebrows beetling angrily.

"Because I am not worth a million dol- lars, or haven't a traction line or two to bargain with, I suppose," he answered sullenly.

"It's not that. You never will have anything. You can't. You aren't built that way. You were doomed at birth to a mediocre existence. Nothing can change that and it would be folly for you to indulge in any false hopes. I know your type. Character simply isn't there. I feel that I must be frank—"

"Obviously, even to my mediocre intel- ligence. I can't feel convinced, however, that you actually believe all that analy- sis bosh—"

"It is not bosh. You, yourself, are the living example of the truth of it. What have you to show for this whole year of effort since you finished your law school? Your clothes, look at them, look at your- self—"

"That'll be all, thanks, Mr. Tellyhew. You have gone out of your way to make me the example that you seem to think I am. But one of these days you'll wake up with this nose and this jaw on the other side of counsel's table in a court of justice—then, look out. I'm through with you for the present. Good night."

The eye at the keyhole escaped the hastily opened door just in time.

"Good for you, Dick. You stood up to him fine." Alice pressed his hand under- standingly and they parted.

THE Fates do not always work with threads. Sometimes they use grind- stones. Dick felt himself being ground on the stone of adversity. No-

body seemed to want to employ his legal advice. Lunchless noons and meager dinners caused him to take up three holes in his belt. Then the Fate that was bearing down must have shifted to another foot. An automobile came tearing down the street just as Alderman McGuire stumbled over a curb in his effort to escape and fell directly in the path. Standish was able to jerk him instantly to safety.

That was the first good thing that had happened to him for months.

"Quick thinking and an alert mind are important essentials to a young lawyer. I think you'll hear from me again," said the alderman as he tucked Dick's card away in a pocket case.

Then came a mysterious parcel in the mail. It contained bonds. "You can borrow on these and I'll call on you in a few days to discuss the matter," said the unsigned letter that accompanied them.

Scarcely had Dick conveyed the good news to Alice than he received a call from Alderman McGuire. Jason Telly- hew's traction system had failed to build a line to Rosehurst according to the provisions of a franchise granted a year ago. Would Mr. Standish start a suit for \$50,000? Would he? And did Mr. McGuire know anything about the mys- terious bonds? He did not.

It was late in the morning when Dick sat back waiting a call from Mr. Telly- hew in response to his notification of the impending suit. Alice was there when Mr. Tellyhew entered with a burly stranger. Pointing a shaking finger at Dick, he said:

"There's your man, officer. Arrest him at once!"

### CHAPTER V

#### The Bombshell

"WHAT does this mean?" Dick demanded. He wasn't sure whether Tellyhew was in earnest or not.

But he was not left long in doubt. Tellyhew's companion ap- proached him and threw back his coat, displaying a badge pinned to his vest.

"I'm Detective Bryan from headquar- ters. Will you come quietly?"

"I will if I go at all. First, I want to know what this is all about?"

"A young man of your evident talent in certain directions should have no trouble in making a shrewd guess at this," Tellyhew observed with a sneer.

"I haven't the slightest notion, but I suppose it's some plan of yours for revenge."

"Young man, I never resort to crude methods of revenge. This is a matter of protection—a matter of catching a thief."

"Catching a thief? Do you mean that I—"

"I mean that I have ordered your arrest for the theft of Amalgamated Steel bonds, serial numbers 842 to 858, which are missing from my private vault and which have been traced to the Guarantee Bank & Trust Company."

"What do you think I know of your Amalgamated Steel bonds and your private vault?"

"You must know a great deal since you took the bonds and put them up at the bank as security for a loan."

"I—did—what?" gasped Dick.

UNTIL this moment he had not con- nected the actions of his mysteri- ous client with Tellyhew's visit. But now—

Tellyhew repeated his statement. "There's no chance for an argument; and no excuses are wanted—unless you wish to confess."

"I have nothing to confess," said Dick proudly. "I haven't yet stooped to thiev- ery. Those bonds that I gave the bank as security came to me in the natural course of events."

"Oh, come, Standish, if you're going to lie, tell a good one!"

"What I say I can prove!" flashed Dick. He dug into a pile of papers on his desk and brought forth the letter that had accompanied the bonds. "Read that."

Tellyhew calmly scanned the note, then smiled as he handed it back. "You're not as clever as I thought," he said. "It seems to me that in concoct- ing such a plan as this you would at least have had the letter written in a strange handwriting, inasmuch as it isn't signed. But to sit down to your typewriter and—"

"Just a moment, Mr. Tellyhew!" Dick's eyes flashed as he confronted the chair- man of the Suburban board. "I did not write that letter; I don't know who did; but when the time comes my client will reveal himself, then everything will be explained."

"And in the meantime, I suppose the bonds will remain with the bank and you will live on my money?" returned the traction magnate with biting sar- casm.

"I DON'T like your insinuations, Mr. Tellyhew, and some day I'm going to make you eat them!"

"Well, in the meantime, we'll see what a few days in jail will do for you."

"You mean that you are going to per- sist in arresting me?"

"I mean just that."

"Oh, now, see here, Mr. Tellyhew—"

"I don't care to argue, I tell you. You have my missing bonds. I don't know how you got them, but my private detective, making the rounds of the banks, found them at the Guarantee, and I have President Stevens' word that you put them up as security for a loan. I'm sorry, Standish; I was beginning to be- lieve that you had something in you after all."

"You know I've got something in me, Mr. Tellyhew," Dick said pointedly. "And you know in your heart that I did not steal your bonds. As a matter of

(Continued on page 10)



Dick submitted to the officer's pressure upon his arm. "Come quietly, young fellow, and I'll not use the brace- lets." "You won't need the bracelets," Dick assured him. They were . . . startled by a cry from Alice. "Stop!" The girl evaded her father's outstretched arms. "Just a moment; Mr. Standish is entirely innocent in this matter."

## "THE FALL GUY"

(Continued from page 9)

fact, I believe that you mailed me those bonds yourself—and I believe you wrote this letter!"

Tellyhew went red and white by turns, but after a pause regained his composure as he inquired:

"What reason have you for making a statement like that?"

"Because you realize what you're up against in this traction fight with the city—and you want to get me out of the way!"

A far-fetched statement, yes; but Dick was desperate. If he could arouse Tellyhew's sporting blood and induce him to leave the bond matter in abeyance a few days until some logical explanation could be found, it would serve his purpose well. Otherwise, even though he were able to make bond, there would be a certain stigma attached to the affair, and it was doubtful if, under such circumstances, the city would care to let him go on with the traction case.

"THE traction matter hasn't entered into this," returned Tellyhew with a slight show of temper, "and I don't propose that it shall. It's up to you to clear yourself of this charge if you can. You're such a smart lawyer," he added, "there should be little difficulty in that." He nodded to Detective Bryan. "Take your man."

"Can't this matter be arranged here, Mr. Tellyhew?" pleaded Dick. "I am absolutely innocent in this matter. That letter I showed you is genuine. And the bonds were enclosed with it just as I've explained."

"And of course I sent them both in a spirit of revenge," sneered Tellyhew.

"Too thin, Standish," said Detective Bryan.

Tellyhew nodded grimly. "Lock him up," he said.

"You promised to come quietly," the detective reminded Dick.

Dick nodded as he picked up his hat. Then he turned an appealing glance toward Alice, who had withdrawn to one side of the office. There was a suspicious moisture in her eyes as she turned her gaze upon him.

"Don't worry," said Dick; "I'll get out of this all right."

Alice made an instinctive movement toward Dick, but Tellyhew got between them. "None of that, Alice! You probably realize by now that I know what is best for you."

"But, daddy, surely you're not going to lock Dick up!"

"Why not? Isn't he a thief?"

"No!"

"Oh, you're prejudiced! You— Well, we'll attend to your case later." Then to Bryan: "Go on; I'll follow shortly with my daughter."

DICK submitted to the officer's pressure upon his arm.

"Come quietly, young fellow, and I'll not use the bracelets."

"You won't need the bracelets," Dick assured him.

They were in the doorway leading into the corridor when they were startled by a cry from Alice.

"Stop!" The girl evaded her father's outstretched arms and hurried to Dick's side. "Just a moment," she pleaded with Detective Bryan. "Mr. Standish is entirely innocent in this matter." Then, turning defiantly to her father, she exploded the bomb: "I stole those bonds!"

"What!" gasped Jason Tellyhew. "You don't realize what you're saying, Alice!"

"Yes, I realize it. I should have said I borrowed them; and I wrote the letter to Dick on your office typewriter. You and Mr. Kane were out; the vault was open—and I knew Dick needed the money! I—I intended to put them back as soon as Dick got on his feet. That's why I suggested that he borrow on them at his bank. Oh, but I'm glad I didn't tell him to sell them!"

"Alice!" cried Dick, and the girl, with a little sob, sprang into his arms.

"Well, I'll be—" Jason Tellyhew, out of respect for his daughter's presence, did not finish the sentence. Instead, he chewed savagely at the end of his cigar. "Ain't it funny," grinned Detective Bryan. "You never can tell what a woman will do!"

## CHAPTER VI

### To Fight or Not to Fight

THE following morning the telephone rang sharply in Dick's office. He picked up the receiver.

"Mr. Tellyhew's office," came brusquely from the other end of the wire. "Kane speaking. Will it be convenient for you to call on Mr. Tellyhew at ten o'clock?"

"I'll make it convenient," Dick returned in a similar tone.

The receiver was snapped up on the other end and Dick sat meditating for the space of several minutes. The voice of Kane, if it was in any sense a reflec-

tion of Tellyhew's mood this morning, seemed to indicate that Dick was in for an uncomfortable half hour.

That Tellyhew meant to fight he had no doubt. For the chairman of the Suburban board was not given to submission except by force. And the fact that Dick was behind the city's guns in the Rosehurst matter would serve like the proverbial red flag before a bull.

Well, so be it!

At five minutes to ten Dick entered the offices of the traction company, nodded briefly to Kane, and sat down.

Promptly at ten the door of the inner

(Continued on page 29)

## "PRETENSE"

(Continued from page 7)

THE evening waned. Entertainers offered skits, songs and dances—such skits, songs and dances! The patrons grew hilarious. Laughter became hysterical; voices strident and high-pitched. Men who thought it indecent to appear publicly without a freshly pressed suit

each morning wore silly paper hats and sillier grins and made incoherent love to other men's wives. Women flirted outrageously with other women's husbands and shrieked shrilly with merriment over nothing.

"Silly crowd, isn't it?" said Evelyn Brent.

Prince Boris nodded emphatic assent. "And heartless. If any of those people should lose their money and consequently their social position according to the American scheme of things, they would find that not even the 'friends' who have been their expensive guests here would speak to them. They should find themselves total strangers, shunned like a dreaded disease. People would be afraid to recognize them for fear they might presume on the past and ask favors.

Poor fools! Look at them! Purchasing what they think is pleasure at the terrible price of money, health, self-respect. They think they're happy. In reality, they're miserable. I've often wondered why they come here."

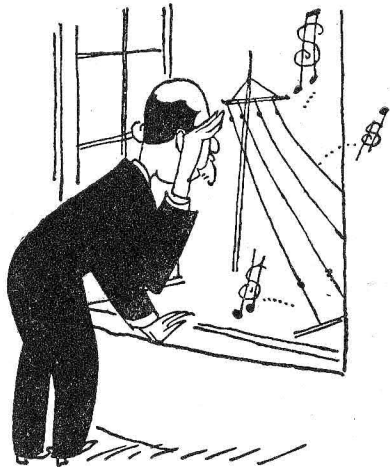
"Why do you come here, Boris?" Masillof started and his eyes searched

the girl's face with nervous anxiety. But her gaze was level, frank, honestly curious. He looked away and hesitated what seemed a long time, his brow furrowed with thought. His eyes held an inexpressible anguish, like those of a trapped animal. Once he started to speak, then evidently changed his mind, his hands clenching until the knuckles stood out in rigid prominence. At last he smiled, cynically and with obvious effort.

"For the same reason they do, I guess. To escape from myself—from the awful, endless monotony of life." He gazed at her with sudden interest. "Why do you come here?"

"Your reason goes for me, too." But her averted eyes, the soft flush in her cheeks, belied her words. Prince Boris smiled wistfully and reached across the table for her hand.

(Continued on page 14)



# There's a golden tinkle in the air—

Does it reach your ears? All you need is a Rectigon to make music sound like money. And to keep your batteries charged up to their ears with pep. Thus you attain best possible reception at lowest possible cost. Your Rectigon pays dividends quickly in money saved from the service station. And you always have a marvelous power reserve to bring in the best your set can get.

and it comes from charging at home with

# The Westinghouse Rectigon Battery Charger

©, 1926, W. E. & M. Co.

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



**No acids, chemicals**—no moving parts—nothing to spill or burn. No muss, nor worry. You'll have no spoiled rugs, ruined clothing.



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



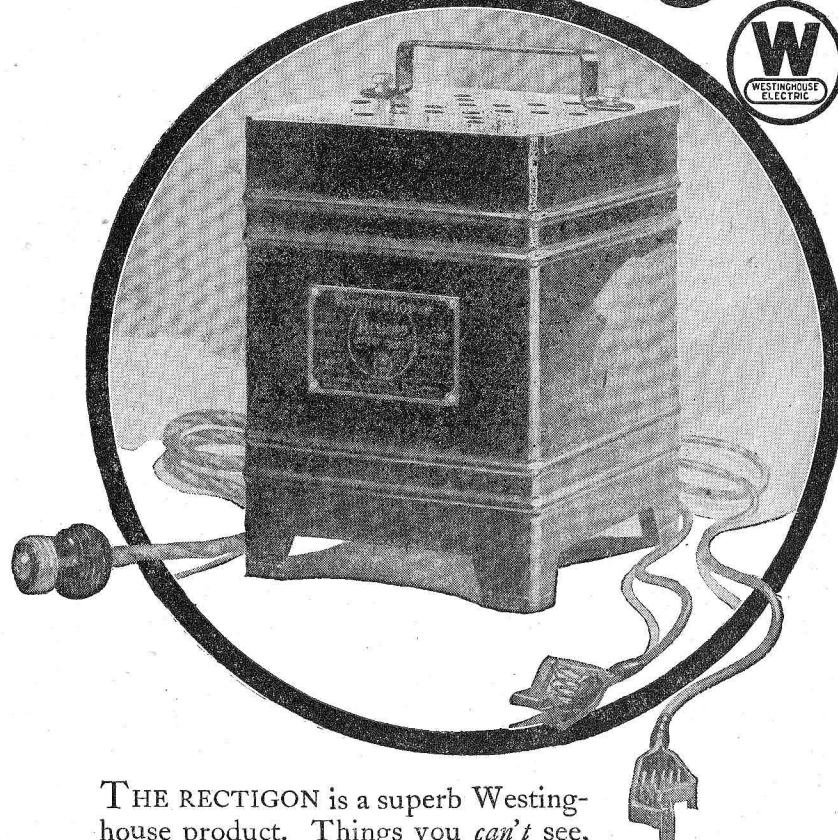
**Charges both "A" and "B" batteries**—Keeps both packed with power. Bulb is used for "B" battery charging and it is enclosed, like all other parts, in metal, safe from accident. (Rectigon charges automobile batteries, too.)



**Safety for batteries and set**—You'll not wake to find your battery discharged—that can't happen with a Rectigon attached. Should you tune in without detaching the Rectigon from battery, your set won't be harmed.



**No Storage Battery Radio is Complete Without a Rectigon**



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

WESTINGHOUSE ELECTRIC & MANUFACTURING CO.  
Tune in on KDKA - KYW - WBZ - KFKX

# Don't Guess; Measure Voltage

*“SAVE Your Tubes and Batteries and Save All,” Says Technical Editor in Advocating Voltmeters to Conserve Accessories.*

**T**HREE vain is he who copies, not knowing the reason thereof!”

Which leads one to believe that the only reason why those who “roll their own” always place voltmeters as well as milliammeters on their pet super-heterodynes, because, “all of the pictures of supers show such instruments, so why not mine.”

And, with like regularity, each of these items are among those not present upon the remaining mighty good circuits, which the vast majority build.

The answer to such inconsistency appears to be chargeable to the fact that few constructors understand the circuit connections required as applied to single or multiple tube receivers, or have gained the impression that with the exception of the super-heterodyne, a voltmeter only can be catalogued as excess expense.

While a milliammeter is desirable for all Radio circuits using six or more tubes in order that one may avoid excessive plate battery drains, their use upon sets up to six tubes is hardly warranted as it is unlikely that any arrangement of circuits in such receivers will create a battery drain sufficient to warrant correction.

**Should Know Voltage**

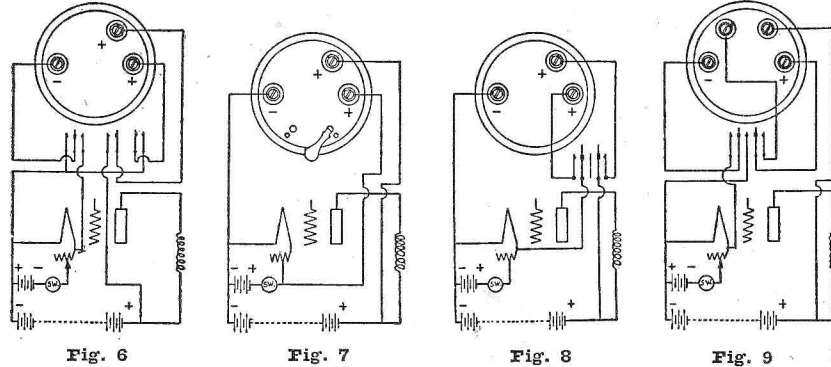
Everyone should, however, be deeply concerned regarding the filament voltage

with sufficient movement of the blades, so that adjacent active contacts would not be short-circuited, should be selected.

If the contact buttons are too close together connections should only be

ment very carefully and thus avoid an expensive error.

In figure 2 is shown the connections and method employed by a prominent manufacturer using a double range volt-



made to every other contact. It will then be apparent that a five position switch may be used to show the voltage of three separate groups of filaments or of one

meter in combination with a Radio jack and metal plug. With this arrangement control is offered covering the “On” and “Off” position for the total receiver as

to plus A. The contact between the main prongs is connected to the plus terminal of the low range of the voltmeter, the two upper contacts being connected in the high voltage or B circuit with the multiplier resistance between plus and the plus of the low range of the voltmeter.

In operation, when the metal plug is inserted in the jack, the filaments immediately light, provided the rheostats are turned on, and the voltmeter indicates the voltage which is being applied to the filaments. When this metal plug is pressed in a bit further it automatically breaks a circuit between the voltmeter and the plus of the filament through lifting one of the jack springs, which, in turn, returns the pointer to zero of the scale. Pressing the plug a bit further, closes the upper spring contacts and indicates the B battery potential.

**Returns to Filament**

Releasing the plug pressure causes it to return to the filament reading thus avoiding the danger of exhausting the B battery.

An added ideal arrangement for multi-tube receivers is shown in figure 3 this scheme giving every combination of voltmeter readings which one might desire.

Still another arrangement which may be made up from standard parts is shown in figure 4, the Frost potentiometer switch No. 620 being nicely adapted for this purpose. In this switch the rotating part is a double blade with its two fingers bridging adjacent contacts. This double blade is connected to one side of a double scale, double range voltmeter. The other side of the voltmeter is connected to the ground to which is also connected the plus side of the A battery, the plus of the filaments, and minus of the B (except as previously noted.)

This switch has four possible positions, and five buttons, three of which are active and two dummies. When this switch is in the “Off” position, one of the fingers is in an inactive state, while the other finger is on a button contact leading to the negative side of the filaments.

**Bridges Negative Contact**

In the next, or “On” position, the fingers bridge the negative or minus button, which connects to the negative side of the filaments through their rheostat to the negative or minus of the A battery. This turns on the filament cur-

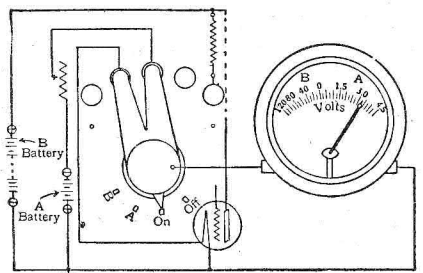


Figure 4

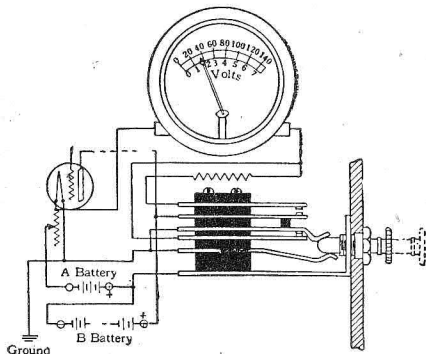


Figure 2

at, which the tubes are operating. Filament voltage, irrespective of the number of tubes which your receiver uses, may be considered as the most important measurement, since over voltage upon filaments quickly ruins the thoriated filament tubes. If one would operate his tubes with the end in view of securing the utmost efficiency and longest life, it is then of prime importance that they be operated at a maximum not to exceed that voltage recommended by the manufacturer. Obviously this nicety of adjustment can only be accomplished when an indicating voltmeter is used.

In purchasing instruments of this character those of the cheaper variety should be studiously avoided. A voltmeter at less than five dollars is a bad buy, it being more likely that the correct price in order to insure a dependable instrument will run considerably higher and is well worth the added investment. Several dependable manufacturers, and particularly those of many years experience in the manufacture of electrical measuring instruments, are offering devices of this character which satisfactorily meet the requirements of quality and dependability.

**Variety of Voltmeters**

Each of these manufacturers offers several ranges of combination voltmeters. They may be had for the reading of the filament voltage only, or in combination for both the filament voltage and that supplied to the plates of the tubes. One of the most recent devices on the market permits, not only a reading of both filament and plate constants, but the C battery as well. The instrument pictured in figure 1 is that known as “triple range” and is operated in combination with a six spring jack and metal plug for the securing of the individual reading desired.

Switching devices are of course essential in order that one may obtain reading from single or collective groups of both A and B batteries. There are a number of inexpensive dial switches on the market suitable for this purpose. In choosing a switch for this use one

filament, plate and C battery values while a seven contact switch would make possible the taking of four readings in separate groups.

**Watch Connections Closely**

It is of great importance that, irrespective of the make of voltmeter used, the minus of the voltmeter must be connected to the minus of the A battery feed to the filaments; and likewise, with practically all makes of voltmeters, the minus B battery should be connected to the minus A battery. In your receiver the minus B may be connected to plus A—watch this point and change it to

that mentioned above when hooking up the voltmeter to your receiver. It should be understood that this rule does not apply to each manufacturer's product, but does mean that one should read the instructions accompanying the instru-

well as means for taking both the A and B battery potential readings.

**For Separate Rheostat**

In this instance if one of your tubes is controlled with a separate rheostat, it is obvious that such rheostat and filament should be in series with each other across the positive and negative bus bars of the main filaments. In this manner the voltage of the individually controlled filament will never be greater than that applied to the main lot, as shown by the voltmeter. It will be noted in this drawing that the frame of the jack is connected to plus A and minus B. The two prongs which usually receive the plug are connected together and to the plus A of all filaments.

The common of the voltmeter is connected to the minus bus bar or minus A, while the ground may be connected

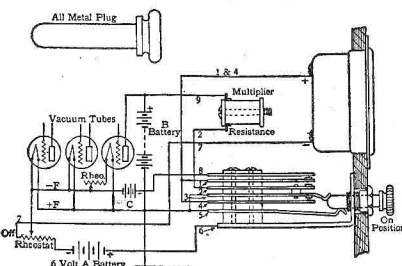


Figure 3

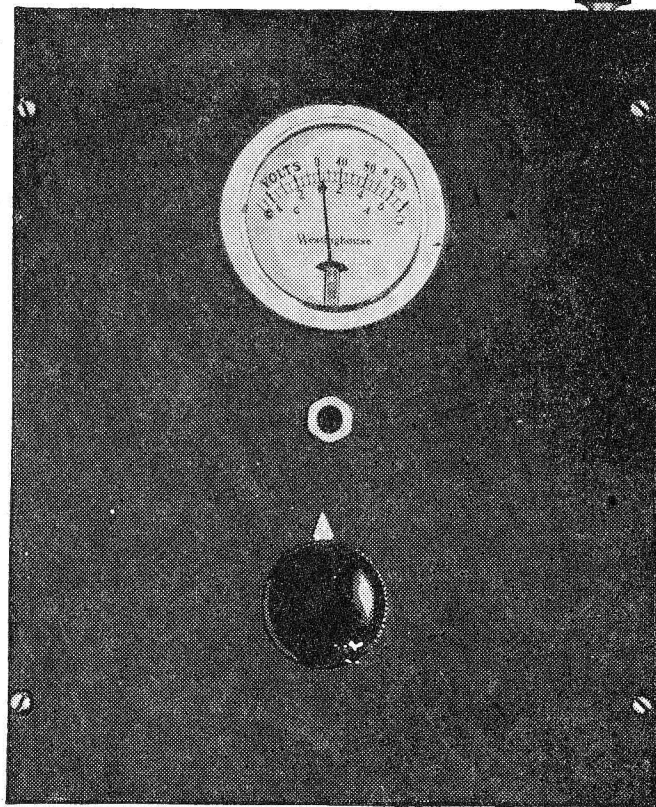


Figure 1

rent and causes the voltmeter to indicate the filament potential.

**Potential Alone Shown**

Following to the next position, the double blade is active only through the rheostat to the A battery, the filament being cut off. Thus at this position the A battery supply potential alone is shown. The drop in the rheostat is of no consequence, while this reading is important toward showing the condition of the A battery as regards the necessity of recharging.

Passing along to the next position of the switch, the blade touches a contact leading through the voltmeter resistor multiplier to the plus of the B battery, causing the pointer to deflect usually in the opposite direction and indicating the B battery potential. One is cautioned not to leave the switch in this position longer than to take the reading, as B batteries are most temperamental when short circuited with even a high resistance. Only the knob and pointer need to be visible upon the face of the panel while the scheme, if provided with suitable markings upon the face of the panel, obviates errors and at the same

(Continued on page 29)

# 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. XVIII

August 15, 1926

No. 3

## Public Opinion Is Radio Law

THIS year, as the 150th anniversary of the signing of the Declaration of Independence is being commemorated, the United States senate and house of representatives have seen fit to differ over a matter which deeply concerns the freedom of speech, a constitutional liberty expressed at the time when this country was founded shortly after the signing of the Declaration of Independence.

The matter referred to is the control of Radio and the restrictions which may be placed upon it. It seems to a non-partisan, unbiased medium such as ourselves, that the injection of politics into the control of Radio is to be deplored. The issue at stake is the freedom of speech of the broadcasting stations of the United States.

Instead of drawing a suitable Radio law, free from political loopholes, devoid of possible log-rolling and the conversion of the microphone to a mouth-piece of the party in power—instead we find congressmen and senators squabbling selfishly over an issue which only should consider the public good, and the principles laid down by our forefathers in that time-honored document, the constitution of the United States of America.

The house passed the White Radio control bill, meant to encourage Radio, but placing it under the direct control of the secretary of commerce, an appointed and therefore usually partisan friend of the party in power. Station licenses of five years' duration would be allowed.

The senate, almost disagreeing entirely with the White bill, drew up the Dill Radio control bill and passed it. The Dill bill, in an evident effort to curb rather than encourage Radio, bristles abundantly with disagreeable hobbling and objectionable clauses. No property rights are allowed stations, and licenses are allowed only for two-year periods. The last named feature of the bill, the two-year license clause, would make broadcasting licenses the footballs of senatorial campaigns, which oddly enough, also occur at two-year intervals. A new license might require special political favor during campaigns. There is no assurance of relicensing of broadcasters on pure merit. The power would be vested in a commission of five members, selected by congress and therefore not essentially non-partisan or unbiased in their decisions.

Radio must not be regulated and shackled to a standstill before it has ever had an opportunity to develop. Why strangle a baby? The Dill bill is almost unadulterated political murder. We cannot say a great deal more for the White bill, although its hobbles are less tight than those in the senate bill, an instrument which in many respects, we believe, can be torn to pieces as unconstitutional.

Further complicating the situation, Herbert Hoover has recently obtained an opinion on the 1912 Radio law from the attorney general of the United States. The decision trims the Radio control power of the secretary of commerce to practically nothing, and means that he must issue licenses to every one applying, that these licensees can use any wave length they choose except those from 600 to 1,600 meters, that any power may be used as long as "malicious" interference is not caused, and finally, that any or all hours can be used for transmission except the first fifteen minutes of certain hours in certain prescribed areas wherein are located naval or military Radio communication stations.

Thinking over that list of 600 waiting applicants for broadcasting licenses, and the above cited opinion of the attorney general, we fearfully hold our breath and wonder what will happen next. Will there be chaos? No, we believe not.

The only restriction on broadcasters at this moment is that historical one which has made so many statesmen, corporations, armies and nations bow to its will—and that is public opinion. The public interest will be served, for broadcasting stations depend upon public good will for their support.

How far a broadcaster can go without becoming intoxicated by imbibing too freely from the wine of freedom, depends alone on the broadcaster and the reaction of his audience.

## RADIO INDI-GEST

### To a Second-Hand Radio

Old Radio, you're on the bum;  
You give me nothing but a hum,  
A buzz, a click, a bang and roar,  
And that's not what I bought you for.

I paid real coin to be amused,  
And by good music be enthused;  
But you, old box of tubes and wire,  
Do nothing but excite my ire.

I bought you at a bargain sale;  
That dealer ought to be in jail.  
Tomorrow you go in the trash  
And I'll buy one that's worth the cash.

GEORGE

To Which We Take Great Pleasure in Adding the "proven facts" or glossary of terms which the roaming bard, George, lists, evidently after some experience with sets, both new and second-hand. "Vacuum Tubes"—Accessories that cost you two dollars per when you happen to "short" them. "Amplifier"—An attachment to make all unpleasant noises more so. "Static"—A noise like water spilt on a red hot stove. "Battery"—A fitting, which, like many people, receives little attention while alive, but is greatly fussed over when dead.

### To the Third Trombone Player (Other Curious Persons May Read)

Dear Sir: Please accept my most sincere thanks for your kind words of appreciation of my few lines of poetical endeavor in reference to the feminine members of the Digest staff. Please permit us to say that you are both a Gentleman and a Scholar.

You said a mouthful Old Timer in those few words "Whither are we drifting," but you should have seen those few lines of mine before our good friend Indi trimmed it down—to make it more presentable I guess. However, we will not fuss with him about that as we give him credit for knowing his beans, and if he is kind enough to let this get into print we will—as the announcer who wears the necktie, shoes and passionate socks would say—dedicate these few lines to The Third Trombone Player.

Oh who is this party of the Marcel Wave  
Who writes the dope for those who rave  
Of Announcers young and Announcers Old,  
Of Artists timid and Artists bold?

Oh is it a "She" that's young and fair  
Who rouges her cheeks and bobs her hair,  
Uses a lipstick and powders her nose,  
Wears high-heeled shoes and rolls her hose?

Or is it a "He" that's short and fat,  
Wears neckties, tan shoes and derby hat,  
Chews "Brown's Mule" and smokes a hod,  
And writes those lines to hold his job?

Whoever it is means little to us,  
You and I, Old Timer, we don't give a cuss.  
No doubt they are doing the best that they can,  
But it's darn poor stuff for a Radio fan.

OLD KING TUTT (HIMSELF)

### Intermission Idiosyncrasies

#### A. C. S. Announcing

"At 8:45 we will broadcast a short talk on Bone Setting by Dr. Alonzo Crapp, a noted bone setter of San Francisco. Dr. Crapp will give us a short outline on such subjects as, Numerical Propinquity, or in other words, the repeating habitudes of a seven, and an eleven. We understand the doctor recently did some nine hundred dollars worth of bone-setting in a Chicago hotel in one short evening and we hope he has some good news for us."

ARTHUR C. STOWELL

### Food for Thought

Edator Indi-gest: The funniest thing about humens is that they sure like a grate variety. I was down to Chicago won time and in a big hotel they gave me for dinner—

Been Soop.  
French Fride potatos.  
Pork Shanks and Whipped Cream.  
Fride Cat Fish with Cottaige Cheese.  
Pumkin pye with Pymtonoa dressing.  
Buttermylk to drink.  
Nuts.

They are doing the saim thing with Radio proa-grams. Compare one with the above meanyu and see the alikeness—

Melody in F.  
Yes Sir thets my baby.  
Reeding "The Murderer" by E. Poe.  
Piano dooit. The charge of the lite brigaid.  
Oh, so low Meyoo.  
Buffalo girl, and other old tyme airs.  
Speech, "Our National Banks."  
Then, More nuts.

Boath of these meanyoos disagree with the appetight.  
KITLLE DRUMMER

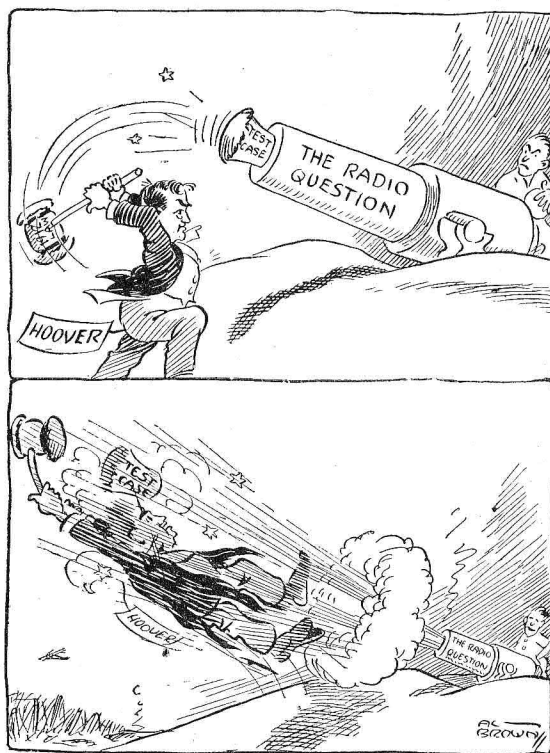
An Eastern Watchmaker, at a convention, predicts the passing of the old hand-cranked watch and the coming of a new type that will be kept absolutely accurate from minute to minute by Radio impulses, sent out by the naval observatory. Of course, when we are late at the office we might still say that we were awfully sorry but that the interference from the set of the Jones kid just made our watch run all agog.

### FRANQUE'S FILOSOFEE

A DX story a day keeps the neighbors away.

INDI

## Current Events



## Condensed

BY DIELECTRIC

Speaking of vacations, as we were in the first August issue, it looked for a while as though the dream would come true. If a few more of the stations scattered along the wave bands had climbed up or down, your reviewer would have contributed paragraphical "blahs." As it is, programs were heard in unaccustomed places and might easily have been credited to the wrong broadcaster. Other features came through the ether carrying bits of foreign programs with them and had to be untangled. What joy a reviewer experiences these summer months with Old Man Static rattling eardrums to the breaking point. Yet they sit and listen and—compliment.

Just to prove that last assertion above I call attention to a band concert, one of the most enjoyable heard from a broadcasting station winter or summer. Station WADC, Akron, put this concert over well, so that it is my fault entirely that the name of the band cannot be recorded. The music came through clearly for the most part but the name of the group of players was not distinct, though I listened until the completion of the feature. Every selection played was characteristically band music. Ofttimes bands get into purely orchestral compositions, thereby spoiling much of beautiful effect of the music. Furthermore, they played as a unit.

Variety programs are undoubtedly appealing to Radio audiences in the sweltering midsummer season, at least when they include such highly entertaining features as theatrical reviews afford. Such reviews as are presented from Station KDKA, Pittsburgh, originating in the million dollar grand theater should prove satisfying to the majority. In case they don't, please blame the weather rather than the station, the artists or this enthusiast.

Then there was an especially good piano recital which stood out among other features presented through Station WJAZ, Chicago, and despite the seeming commonplace of such a recital this one was above the average. The artist evidently chose to picture those listening as a cosmopolitan group and suited the numbers to the conclusion. Although some of the selections were of a lighter vein, never once was there evidence of forsaking the high ideals of the performer set forth in the more serious works. On the whole it was something one recalls with a distinct sense of completeness; good music, good taste and musicianship.

Station WLW, Cincinnati, one of the least censureable stations on the air, should have a complete paragraph all to itself with "well merited" recurring in every line. Instead, there can be but a sad confession of missing an evening's enjoyment and noting of features, due to the interference of another station. Someone was playing piano numbers just before they signed off to give listeners an opportunity to get the call of the intruder, but how she played only those in the studio are competent to judge. Has anyone stepped in the way of WJZ? Hardly.

Ordinarily it is anything but thrilling to sit by the hour to listen to a political speech. The thing isn't done, that's all. Yet, my fellow listeners, when CNRO, Ottawa, came through with no other station tagging along, it was so comforting I listened to the very end of an impassioned diatribe directed against one of Canada's prominent political leaders. And they do discover a lot to tell in the dominion with sundry variations. No jazz band could have bought half the time. Incidentally, Canadian politics are less enigmatic. Try the recipe.

## WOR TAKES UNUSED TIME HELD BY WJY

HALF WAVE BAND SILENT; BAMBERGER WILL FILL

Newark Station Gives Reasons for Commandeering Periods Left Vacant by R. C. A. Broadcaster

NEWARK, N. J.—The following statement was issued by Alfred J. McCosker, of L. Bamberger & Company's station, WOR, concerning the extension recently of that station's schedule to include late afternoon and evening programs on the 405-meter wave length, formerly occupied by Station WJY, on Tuesday, Thursday, Friday and Sunday of each week, which schedule is in addition to its regular Monday, Wednesday and Saturday afternoon and evening schedule:

"A desire to better serve public interest is responsible for the decision reached by L. Bamberger & Company to extend the broadcasting schedule of Station WOR to provide programs of educational and entertainment value on the 405-meter wave length daily and Sunday instead of adhering to the former schedule of Monday, Wednesday and Saturday afternoon and evening broadcasts. The loss to Radio listeners occasioned by failure of the sponsors of Station WJY to regularly provide programs on the 405-meter wave length for the past five months was pointed out to us by many listeners.

### WJY Silent; WOR Goes Ahead

"During April, 1926, we applied to the management of WJY for the time on the 405-meter wave length used by them up to February 6 of the present year and the reply received indicated an early resumption of broadcasting by that station. However, in the weeks that have since elapsed, Station WJY has remained totally silent and it was decided that the best interests of listeners demanded a continuous program on the above wave band.

"WOR is rated a pioneer broadcaster, having supplied programs of highly cultural and better class entertainment to an ever-increasing audience since February 21, 1921, and the present extension of its activities to include a daily and Sunday program will offer additional opportunity to present a practically uninterrupted broadcast."

## Accordion Symphony to Be Heard Over WSOE

Fifteen Piano Accordions on Air Monday, August 16

MILWAUKEE.—A rare as well as an attractive concert is to be broadcast from the School of Engineering station here, WSOE, on August 16, 1926 beginning at 9:00 p. m. Central time. This concert will be presented by Prof. Foca Di Leo and his Accordion Symphony orchestra which, as far as can be ascertained, is the only one organization of its kind in the world today.

During the last two years Professor Di Leo organized and perfected this unique orchestra, using fifteen piano accordion instruments. It represents the first successful attempt to draw from such a combination of instruments musical effects heretofore attributed only to the standard symphony.

The repertoire of the orchestra ranges from such classical gems as the "Barber of Seville," "Poet and Peasant," "Light Cavalry" and "Carmen" down to the popular melodies of the present day. In addition there are two young sopranos who appear in solos and duets accompanied in both instances by the orchestra.

### Birthday Greetings Flood KPO

SAN FRANCISCO.—KPO has just been swept by its annual flood of birthday greeting cards from the Radio audience. These are addressed to Big Brother (L. R. Tucker) who has been a regular feature of the San Francisco station for more than two years and whose birthday it was. Several thousand cards were received this year, the majority coming from the members of the Big Brother club, which is composed of more than seven thousand juveniles throughout the west.

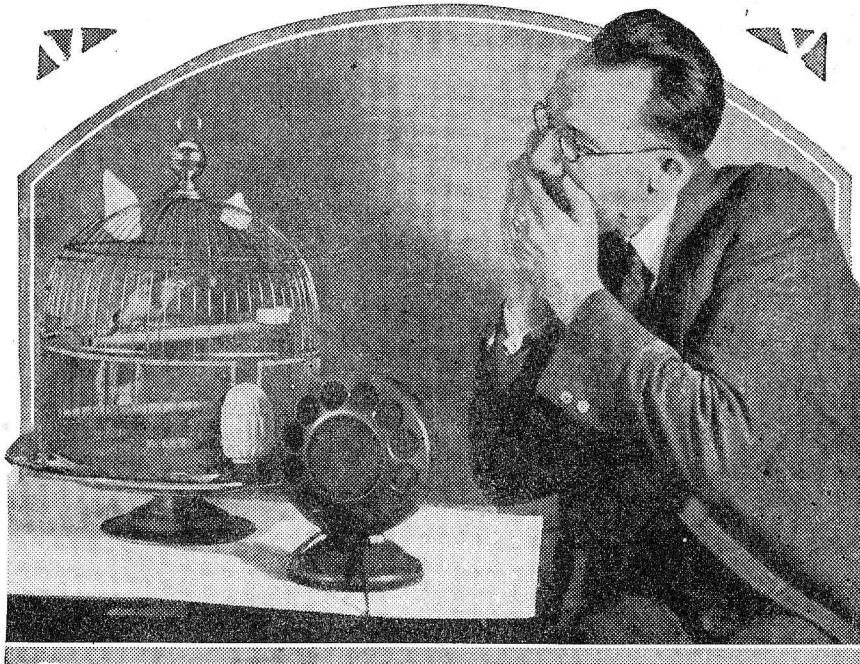
### WOK Fans Guess Weather

CHICAGO.—Believing that the official weather prophet is a much maligned individual, members of Radio Station WOK's staff recently inaugurated a weather guessing contest in which fans tuning that station were invited to join. The purpose of the contest was to ascertain if the public could outguess the government forecaster.

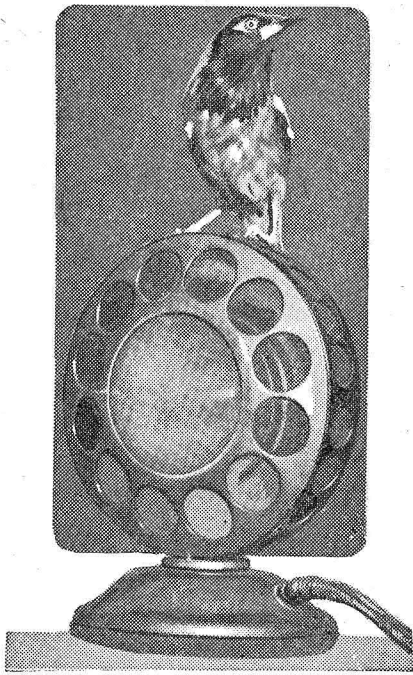
### May, of KMA, Heads Nurserymen

LOUISVILLE, Ky.—Earl E. May of Shenandoah, Iowa, owner and operator of Station KMA, was recently elected president of the American Association of Nurserymen here.

## BIRDS WARBLE IN MICROPHONES



It would seem but natural for birds to "go on the air" and so we have Bee Bee of WCCO, Minneapolis, (above) and the Troupial songster of the Amazon perched on the WMCA microphone, New York. Bee Bee sings to the harmonica accompaniment of his master, George B. Ashton, preferring operatic selections exclusively while the Troupial thrush warbles plaintive Spanish airs by himself.



## CAN YOU GUESS AGE OF MARY BARBARA?

CINCINNATI.—One of the most mysterious attractions of the Crosley Radio programs is Mary Barbara. She has been entertaining the WLW Radio listeners for many months and her child-like voice has been the means of attracting many inquiries as to her age. When she gives her interesting talks, usually with the aid of one of the announcers, the curtains in the solo studio are drawn so as to hide her from the view of the guests in the auditorium. No one knows her real age and the studio staff is not at liberty to disclose it.

## P. A. GREENE TOURING SOUTHLAND STATIONS

Arranges Fall Bridge Series Over Extended Network

CINCINNATI.—Paul A. Greene's native Southland has called and he is on a tour which includes Atlanta, Jacksonville, New Orleans, Houston, Dallas, Memphis, and also Kansas City, Chicago, Des Moines, Omaha, St. Louis and Denver.

Mr. Greene, who has been director of Station WSAI since he installed the United States Playing Card company's station more than three years ago, is combining station business with the pleasure of a well-earned vacation on his tour, for he hasn't had a vacation in two years. He is to renew contracts for the auction bridge series, which was broadcast by a network of twenty-six stations last season.

The new series, which will begin early in the fall, will probably be handled by thirty stations throughout the country, and it is believed Jacksonville, New Orleans, Des Moines, and Omaha will add this popular program schedule. The method of broadcasting the plays will be practically the same as before.

## C. N. R. TESTS SIGNAL STRENGTH IN TUNNEL

FINDS LONG WAVES CARRY FARTHER THAN SHORT

Three and One-Half Mile Tunnel Under Mount Royal 600 Feet Deep Used in Tests

MONTREAL, Canada.—Interesting experiments on the transmission of Radio signals through masses of rock have been carried out under Mount Royal here in the tunnel of the Canadian National railways. Generally speaking, it was found that there was a decrease in the strength of signals as the center of the tunnel was approached. The observations, however, were not confined merely to noting whether the signals appeared to get weaker, but definite measurements were made with an audibility meter.

Messages and music were transmitted from Montreal on a wave length of 411 meters. At the center of the tunnel the strength of signal decreased to one-half of one per cent of what it was at the tunnel entrance.

### Signals Decrease Going Into Tunnel

Signals were also received from Ottawa. These were transmitted on 1,400-meter wave length. The signal strength decreased to five per cent at the center of the tunnel. Further signals were received from an American army short wave station, WIZ, whose signals were remarkably constant and clear. The messages were heard at the entrance to the tunnel, but were quickly lost on entering the tunnel. On repeatedly tracing the signals, step by step into the tunnel, it was found that the 40-meter signals were reduced to zero on passing only a few hundred yards into the tunnel, so that there were but a few feet (thirty or forty) of material above the car aerial—box type—which was employed in the test.

The tunnel is three and one-half miles in length, and at its center the mountain is between 500 and 600 feet high, composed mainly of essexite and in other places of limestone with volcanic dykes.

### Little Rock Stops Short Waves

It is believed that definite measurements of this kind have not previously been undertaken, and the following points may, therefore, be noted. It is practically certain that the signals were not coming along the metal rails of the double-line track, nor along the overhead direct current cable used for power and light in the tunnel.

It is chiefly noteworthy, moreover, that the 40-meter signals were easily reduced or attenuated by a comparatively thin layer of rock. This lends weight to the view that short wave signals pass to the upper atmosphere and are then reflected or bent by the heaviside layer, arriving at their destination by that lofty path and not by waves which follow the surface of the earth, for these, as these experiments have shown, are quickly eliminated.

## FARM RADIO YIELDS BIG MONEY RETURN

AG RADIO CHIEF TELLS OF OBSERVATIONS HE MADE

Farmer's Main Objection Is to Loss of Sleep—Pickard Visualizes Great Future

EAST LANSING, Mich.—Radio on the farm is yielding more dollars and cents return on the investment, developing a more prosperous American agriculture and bringing about a better contented, understanding class of farmers than any other single scientific contribution of the age, Sam Pickard, chief of Radio, United States department of agriculture, told the convention of agricultural college editors which recently met here at East Lansing, Michigan.

After visiting the principal stations and approximately 600 farmers on a farm Radio survey tour through twenty agricultural states, Mr. Pickard stated that both college and commercial broadcasters are making an intelligent effort to anticipate the farmer's problems with interesting, helpful programs, and are winning large and faithful audiences of the most enterprising class of farmers.

### Lack of Sleep Is Curse

Concrete examples of how practical application of information gained through Radio is helping the farmer's bank balance were cited. In districts sixty miles from a railroad he discovered farmers who had changed their farming to more profitable lines suggested by authoritative Radio talks.

"The farm fan," he said, "has two chief criticisms of Radio. The one most often voiced is the curse of not getting enough sleep. Most of them admit they sit up with their sets late into the night. Many others say that while they like to be neighborly they tire of the entire community dropping in every winter evening and then forgetting to go home."

A plea for the college to dramatize informational programs, injecting into them greater interest and more humor, was made.

### Great Field to Develop

"I know of no field into which educational agencies have entered that offers keener competition than that of Radio. The day has passed when the mediocre speaker can hold a Radio audience. The lecture of long difficult words and sentences must give way to the more friendly, natural dialogue presented by effective Radio voices.

"Until educational institutions value the effectiveness of Radio instruction highly enough to finance adequately a competent staff, trained in the technique of broadcasting, they can not expect to utilize successfully this new invention, probably the greatest boon to education since the printing press was invented.

The department of agriculture's new policy of providing a staff of feature writers to weave timely information into dialogue material to be broadcast by trained announcers was commended to the college editors.

## GOLD CUP AWARD NEWS

(Continued from page 2)

- 20. E. L. Tyson, WWJ (19)..... 2,068
- 21. Jerry Sullivan, WQJ (21)..... 1,930
- 22. Paul Johnson, WCCO (22)..... 1,862
- 23. N. Dean Cole, WHO (25)..... 1,684
- 24. Sen Kaney, KYW (24)..... 1,669
- 25. E. Konecky, WOAW (23)..... 1,618

### Canadian Silver Cup Standing

- 1. Lillian Shaw, CKY (1)..... 4,681
- 2. Bert Hooper, CKCK (2)..... 1,515
- 3. H. C. Fricker, CKCL (3)..... 691
- 4. Robt. W. Combs, CKNC (4)..... 560
- 5. Geo. A. Wright, CNRV (5)..... 396
- 6. Jacques Cartier, CKAC (6)..... 307
- 7. C. W. Darling, CFCF (7)..... 104

Help your favorite announcer win this coveted prize. Remember that with four consecutive ballots turned in at one time you get an extra bonus of four votes. Don't fail your candidate now. Bring him down the home stretch with colors flying.

### Vote Bonus Ballots

As a reward for saving consecutively numbered ballots and casting them at one time for the same candidate, a bonus vote, with size depending on the number in consecutive order, is credited to that candidate.

Each of these ballots will count for one vote when sent in separately. You can hold these ballots until you have four that are consecutively numbered and when they are sent in, a bonus of eight votes or total of twelve will be granted.

The larger number of consecutive ballots submitted, the greater is the bonus allowed. Eight consecutive ballots receive a bonus of twenty votes. Twelve consecutive ballots receive a bonus of thirty votes, or a total of forty-two votes. For a complete series of ballots, including one from each issue from March 27 to September 1, a bonus of fifty votes will be allowed.

AN EVENING AT HOME WITH THE LISTENER IN IN EASTERN (OR CENTRAL DAYLIGHT) TIME

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

STATIONS IN ORDER OF WAVE LENGTHS

Table with columns: Meters, Call, Meters, Call, Meters, Call, Meters, Call, Meters, Call, Meters, Call. Lists stations ordered by wavelength.

"PRETENSE"

(Continued from page 10)

with the words. "Most really eligible men these days seem to feel about marriage as you do. They want roses without thorns. A great many are successful in their quest, too."

"You—of all people—to talk about sacrifice and endurance!" exclaimed the girl. "Why, you don't know what the words mean!"

Advertisement for 'The Radio Surprise of 1926' featuring a 'Super-Sensitive Detector' and the 'CX-300A' tube.

Advertisement for 'Cunningham Super-Sensitive Detector' featuring a 'Type CX-300A' tube and the slogan '—is yours'.

# ENGLISH WOMAN IS WCCO STUDIO CHIEF

COMES FROM "VALLEY OF KINGS" TO SAINT PAUL

When Forced to Support Self She Once O. K'd Cattle Loans for National Bank

MINNEAPOLIS.—From the quiet surroundings in the Valley of Kings, where King Tut's tomb has been located, to the busy life of a program director, announcer and accompanist in a modern broadcasting station, is the rather radical change in the mode of existence enjoyed in the last few years by Mrs. Edith M. Stevens, program director of the Saint Paul studios of the Gold Medal station, WCCO, Saint Paul-Minneapolis.

A native of England, and the wife of a British army officer, Mrs. Stevens has traveled all over the world and lived in many parts of it. For several years her husband was stationed in Egypt, and she says that many times has she visited the Valley of Kings and probably rested on the very spot where King Tut was buried, without ever knowing it. At that time she said she had no more idea of what Radio was all about than the long-deceased monarch.

### Once O. K'd Cattle Loans

After residing for some time in Gibraltar, Paris, Belgium, and London, Mrs. Stevens, after the loss of her husband, came to the United States in 1916, selecting Saint Paul for her residence. She obtained employment in one of the largest of the national banks there. While in the bank she was given the rather novel assignment for a woman of having charge of all cattle loans. The reason for this, the president of the bank explained, was that in going over the letters from farmers stating their financial conditions, human interest was a more necessary qualification than merely usual business procedure.

Besides being an experienced business woman, Mrs. Stevens is also an accomplished musician, and when the Gold Medal station came into existence in 1924 she was persuaded to take the position of director of the Saint Paul programs.

She also enjoys a very wide acquaintance among the club and professional

# HEADS GOLD MEDAL SAINT PAUL STUDIO



Edith M. Stevens

women of the twin cities. How wide may be judged from the fact that recently she was elected president of the Saint Paul Business and Professional Women's club, and this acquaintance has enabled her to make many excellent contacts for WCCO with the women's organizations.

While Mrs. Stevens is now one of the Northwest's most popular women announcers, when she first began to talk into the microphone, many had difficulty in understanding her distinct English accent. In fact, one of the first days that she announced, an excited subscriber called the Gold Medal station and wanted to know if they were now relaying programs from 2LO at London.

# SHORT WAVES

By Marcella

(Continued from page 2)

There Mrs. Hunter discovered a bobber shop. Snip! Snip! And when she came out she belonged to the great army of bobbed-haired ladies. She felt no remorse but straightway accepted an invitation to broadcast a recital from KPO. Los Angeles heard her, was jealous, and she broadcast another recital at KFL. And now her old friends of the WEAFF audience have welcomed her home again.

Yoo-Hoo! Betty and Peggy White, Jefferson City, Mo. Si, mio caro Senoritas, el Senor Vincent Lopez uno soltero esto, 32 years old, y, a fe, Espanol, (excuse my Spanish). In other words, Vincent Lopez, one of the prevailing furores of Eastern Radio circles, is single, 32, and, in truth, a Spaniard. At least he comes from a Spanish tree—family tree, of course, and I rather suspect that he is not a blond. My information states that his chief occupation is directing the Casa Lopez orchestra, hosting at his own club on Fifty-seventh street, near Broadway, and playing circles around Brunswick records the while. He is neither a matador nor a torador but he's a good cazador and all the girlsador—but they say with all this and that he's a busy, busy man.

"As you know about everything please tell me all about the Gold Dust Twins," writes Miss Kathryn Gates of Chester, Ill. That's good, Kathryn, and if Marcella was only here she might be able to do it but all I can get is a whole page of blah without one real hint as to their real names from WEAFF. "Goldie," according to Mr. Johnstone, "is the tenor half of the combination and is known under his own name all over the country through phonograph records and personal appearances. Dusty, the baritone twin, has had a wide concert and oratorio experience. A few seasons ago he appeared with the Philharmonic orchestra at the Lewisohn Stadium, New York." Make 'em any color of hair and eyes you want, Kathryn, 'salright with me. That's their and WEAFF's secret.

You may have been listening when one of them said, "What faw does dem city ladies go faw a wearin' men's pants?"

"Not so, they's knickers."  
"Not what I seed, they's white folks."

# Women Predict Future Of Radio in Contest

Search for "Miss Radio" Uncovers Interesting Papers

NEW YORK.—Women are not leaving it to scientists to visualize the future of Radio. Many of the feminine fans have decided opinions of their own on this subject. Their views have been expressed in letters sent to the Radio World's Fair management in the annual "Miss Radio" contest, to determine America's leading Radio enthusiast.

"Radio will take the place of all power lines," predicts Mrs. Abba Lindsay McCumber of Cleveland, O.

She speaks with thorough knowledge of Radio, as she was the second and youngest operator of her sex to hold a commercial station, and she has spent many most interesting moments "at the key" in Tacoma, Portland, Seattle, Wenatchee, and other places, while during the war she taught Radio telegraphy to a class of women, after being politely informed that there was no provision for a woman teacher of men in that capacity, at the Naval Training station at Great Lakes.

"I believe it is only a question of time until every home will be equipped with Radio," states Mrs. McCumber. "Our present phone and light lines will be eliminated. Ships will be navigated solely by Radio. There seems to be no end to this wonderful invention. In reality it is only in its infancy now."

And here's a post card from that dear Marcella. It shows her lifting a twig on which are strung two large bass and a trout. Oh Marcella, how could you! But she's not stringing me. I see a small boy with a crooked pole in the background, there's a coin in his hand and a wink in his eye. But, if your letter didn't get answered this time, please be patient, Marcella will take care of it in the next Radio Digest.

Sure, don't mention it. I'm only sorry I couldn't do better for you.

Old Man Grundy.

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.

# WOMANS' PROGRAM INDEX

## Monday

Atlantic	Eastern	Central	Mountain	Pacific
10:30 a.m.	9:30	8:30	7:30	6:30
WWJ (352.7m-850kc),	Tonight's dinner.			
10:45	9:45	8:45	7:45	6:45
WTAG (545.1m-550kc),	Marjorie Woodman, nurse.			
11:50	10:50	9:50	8:50	7:50
WMC (499.7m-600kc),	Home economics discussion, Miss Kitty.			
12 n.	11	10	9	8
WHT (399.8m-750kc),	Women's club, Jean Sargent.			
WQJ (447.5m-670kc),	Home Economics program, Aug. 16, "Gold"; Aug. 23, "Modern Laundering," John A. Heist.			
12:30 p.m.	11:30	10:30	9:30	8:30
WEBH (370.2m-810kc),	Fashion and household talks.			
WGBF (236.1m-1270kc),	Cooking instructions.			
WGN (302.8m-990kc),	Home Management period.			
12:35	11:35	10:35	9:35	8:35
KYW (535.4m-560kc),	Table talk.			
2	1	12 n.	11	10
KGW (491.5m-610kc),	Household helps.			
WSOE (245.8m-1220kc),	Ladies' hour.			
2:20	1:20	12:20	11:20	10:20
WGBF (236.1m-1270kc),	Garden talk.			
WGY (379.5m-790kc),	Cooking lesson.			
2:45	1:45	12:45	11:45	10:45
WQJ (447.5m-670kc),	Aug. 16, "Waffles Still Hold the Fort"; Aug. 23, "Hot Weather Meats and Sauces."			
3	2	1	12 n.	11
WJZ (454.3m-660kc),	"Your Daily Menu," Mrs. J. Heath.			
3:15	2:15	1:15	12:15	11:15
KOIL (305.9m-980kc),	Shopper's aid.			
3:30	2:30	1:30	12:30	11:30
KFNF (461.3m-650kc),	Mothers' hour.			
4	3	2	1	12 n.
WCCO (416.4m-720kc),	Women's hour.			
WSDP (246.1m-1220kc),	Cooking chats.			
WBB (365.6m-820kc),	Ladies' hour.			
4:45	3:45	2:45	1:45	12:45
KFNF (461.3m-650kc),	Ladies' hour.			
5	4	3	2	1
WOC (483.6m-620kc),	Home management schedule, Aunt Jane.			
6	5	4	3	2
KMOX (280.2m-1070kc),	Housewives' hour.			
6:15	5:15	4:15	3:15	2:15
KYW (535.4m-560kc),	Meat talk, John Cutting.			

## Tuesday

Atlantic	Eastern	Central	Mountain	Pacific
10 a.m.	9	8	7	6
WIP (508.2m-590kc),	Menu, Anna Scott.			
10:30	9:30	8:30	7:30	6:30
WWJ (352.7m-850kc),	Tonight's dinner.			
10:45	9:45	8:45	7:45	6:45
WTAG (545.1m-550kc),	Talk to mothers.			
11	10	9	8	7
KDKA (309.9m-970kc),	Domestic Science. Arts for the Housewife.			
12 n.	11	10	9	8
WHT (399.8m-750kc),	Women's club, Jean Sargent.			
WMC (340.7m-880kc),	Home Makers' club.			
WQJ (447.5m-670kc),	Home economics, Aug. 17, Mrs. Martha Ellen Abt; Aug. 24, Dr. Fran Furch.			
12:30 p.m.	11:30	10:30	9:30	8:30
WEBH (370.2m-810kc),	Fashion and household talks.			
WGN (302.8m-990kc),	Home Management period.			
12:45	11:45	10:45	9:45	8:45
WOI (270.1m-1110kc),	Homemakers' period.			
1:15	12:15	11:15	10:15	9:15
KMOX (280.2m-1070kc),	Fashion talk.			

Atlantic	Eastern	Central	Mountain	Pacific
2 p.m.	1	12 n.	11	10
KGW (491.5m-610kc),	Household Helps, shopping guide.			
2:45 p.m.	1:45	12:45	11:45	10:45
WGBF (236.1m-1270kc),	Garden talk.			
WQJ (447.5m-670kc),	Home Economics, Aug. 17, "The Use of Condiments and Spices in Your Foods"; Aug. 24, "Casserole Dishes Good for Hot Weather"; "The Report Card"; style talk.			
WGBF (236.1m-1270kc),	Garden talk.			
3	2	1	12 n.	11
WJZ (454.3m-660kc),	"Your Daily Menu," Mrs. J. Heath.			
3:15	2:15	1:15	12:15	11:15
KOIL (305.9m-980kc),	Shopper's aid.			
3:30	2:30	1:30	12:30	11:30
KFNF (461.3m-650kc),	Half Hour on Cooking.			
4	3	2	1	12 n.
WIP (508.2m-590kc),	Menu talk.			
4:15	3:15	2:15	1:15	12:15
WHO (526m-570kc),	Recipes, household hints.			
4:30	3:30	2:30	1:30	12:30
WLS (344.6m-870kc),	Homemakers.			
4:45	3:45	2:45	1:45	12:45
KFNF (461.3m-650kc),	Ladies' hour.			
5	4	3	2	1
WOC (483.6m-620kc),	Home management schedule.			
6	5	4	3	2
KMOX (280.2m-1070kc),	Housewives' hour.			
6:30	5:30	4:30	3:30	2:30
KOA (322.4m-930kc),	Housewives' matinee.			
7	6	5	4	3
KOA (322.4m-930kc),	Culinary hints, Clara Hoover.			
7:45	6:45	5:45	4:45	3:45
WPG (299.8m-1000kc),	Fashion Flashes.			

## Wednesday

Atlantic	Eastern	Central	Mountain	Pacific
10:30 a.m.	9:30	8:30	7:30	6:30
WWJ (352.7m-850kc),	Tonight's dinner.			
10:45	9:45	8:45	7:45	6:45
WTAG (545.1m-550kc),	Talk to Housewives, Mrs. Lydia Flanders.			
12 n.	11	10	9	8
WEO (293.9m-1020kc),	Housekeepers' half hour.			
WHT (399.8m-750kc),	Women's club, Jean Sargent.			
WQJ (447.5m-670kc),	Home Economics program, Aug. 18, Dr. Emmet Keating; Aug. 25, "Little Talks on Pictures," Marjory Curry.			
12:30 p.m.	11:30	10:30	9:30	8:30
WEBH (370.2m-810kc),	Fashion and Household talks.			
WGBF (236.1m-1270kc),	Cooking instructions.			
WGN (302.8m-990kc),	Household management period.			
12:35	11:35	10:35	9:35	8:35
KYW (535.4m-560kc),	Table talk.			
1:15	12:15	11:15	10:15	9:15
KMOX (280.2m-1070kc),	Cookery, Gladys Kimbrough.			
2	1	12 n.	11	10
KGW (491.5m-610kc),	Household Helps, shopping guide.			
2:20	1:20	12:20	11:20	10:20
WGBF (236.1m-1270kc),	Garden talk.			
2:45	1:45	12:45	11:45	10:45
WQJ (447.5m-670kc),	Home economics, Aug. 18, "Eggs for Hot Weather"; Children's diets; Aug. 25, "Hot Weather Sandwich Meals"; "Women Versus Dependency."			
3	2	1	12 n.	11
WJZ (454.3m-660kc),	"Your Daily Menu," Mrs. J. Heath.			
3:15	2:15	1:15	12:15	11:15
KOIL (305.9m-980kc),	Shopper's aid.			
3:30	2:30	1:30	12:30	11:30
KFNF (461.3m-650kc),	Half hour on cooking.			
4	3	2	1	12 n.
WCCO (416.4m-720kc),	Woman's hour.			
4:45	3:45	2:45	1:45	12:45
WBB (365.6m-820kc),	Ladies' hour.			

Atlantic	Eastern	Central	Mountain	Pacific
4:30 p.m.	3:30	2:30	1:30	12:30
WLV (422.3m-710kc),	Cooking school.			
4:45	3:45	2:45	1:45	12:45
KFNF (461.3m-650kc),	Ladies' hour.			
5	4	3	2	1
WOC (483.6m-620kc),	Home management schedule, Aunt Jane.			
5:30	4:30	3:30	2:30	1:30
KFNF (461.3m-650kc),	Flower talk.			
6	5	4	3	2
KMOX (280.2m-1070kc),	Housewives' hour.			
7	6	5	4	3
KGO (361.2m-830kc),	Hints for Housekeeper."			
8	7	6	5	4
KLX (508.2m-590kc),	Woman's hour.			
KMA (461.3m-650kc),	Domestic science talk.			
8:45	7:45	6:45	5:45	4:45
WBZ (333.1m-900kc),	Household management.			

## Thursday

Atlantic	Eastern	Central	Mountain	Pacific
10 a.m.	9	8	7	6
WIP (508.2m-590kc),	Menu talk.			
10:30	9:30	8:30	7:30	6:30
WWJ (352.7m-850kc),	Tonight's dinner.			
10:45	9:45	8:45	7:45	6:45
WTAG (545.1m-550kc),	Marjorie Woodman, nurse.			
11	10	9	8	7
WEAF (491.5m-610kc),	Talks, cookery lecture.			
11:50	10:50	9:50	8:50	7:50
WMC (499.7m-600kc),	Home economics discussion, Miss Kitty.			
12 n.	11	10	9	8
WEO (293.9m-1020kc),	Housekeepers' half hour.			
WEAR (389.4m-770kc),	Home service talk.			
WHT (399.8m-750kc),	Women's club, Jean Sargent.			
WMC (340.7m-880kc),	Food bureau program.			
WQJ (447.5m-670kc),	Aug. 19, "Peanut Butter Cookery"; Aug. 26, "The Labor Day Outing."			
12:30 p.m.	11:30	10:30	9:30	8:30
WEBH (370.2m-810kc),	Household and fashion talks.			
WGN (302.8m-990kc),	Home Management period.			
12:35	11:35	10:35	9:35	8:35
KYW (535.4m-560kc),	Table talks.			
12:45	11:45	10:45	9:45	8:45
WOI (270.1m-1110kc),	Homemakers' period.			
1:15	12:15	11:15	10:15	9:15
KMOX (280.2m-1070kc),	Recipes.			
2	1	12 n.	11	10
KGW (491.5m-610kc),	Household helps.			
2:20	1:20	12:20	11:20	10:20
WGBF (236.1m-1270kc),	Garden talk.			
2:45	1:45	12:45	11:45	10:45
WQJ (447.5m-670kc),	Aug. 19, "A Boat Lunch"; Aug. 26, "Unexpected Guests."			
3	2	1	12 n.	11
WJZ (454.3m-660kc),	Your Daily Menu.			
3:15	2:15	1:15	12:15	11:15
KOIL (305.9m-980kc),	Shopper's aid.			
3:30	2:30	1:30	12:30	11:30
KFNF (461.3m-650kc),	Half hour on cooking.			
4	3	2	1	12 n.
KSO (241.8m-1240kc),	Woman's hour, Mrs. Margaret B. Russell.			
4:30	3:30	2:30	1:30	12:30
WLS (344.6m-870kc),	Homemakers' hour.			
4:45	3:45	2:45	1:45	12:45
KFNF (461.3m-650kc),	Ladies' hour.			
5	4	3	2	1
WOC (483.6m-620kc),				

# VISIT ATLANTIC CITY BOARD WALK W

## HIGH LIGHTS OF THE AIR

**T**HAT delightful pair of song-birds, Beulah Lockwood Durfee and J. Otto Jellison of WCCO, are announced for a song cycle, Tuesday, August 17. This soprano and tenor combination come on the air like a high moment from the opera.

Steinmetz, the little giant whose brain unraveled many of the mysteries of modern electricity, is the subject of an interesting series of talks on the Tuesday 6:30 programs at WGY. The story as authoritatively told by John W. Hammond is more than the study of a man, it is a story of American opportunity and achievement.

Providence, R. I., is announced as the sojourn for a day of the Travelers Jongleurs, Wednesday, August 18. The "Unknown Troubadour" of this troupe made his reputation as a star in a barn-storming opera company, singing as a boy soprano and fooling the stage door Johnnies.

Temple Bells and the ethereal presence of Oriental song and mysticism will afford an entertaining feature from CNRM, Thursday, August 19, by the Himalayan string quartet.

If you have never visited the famous "Boardwalk of Atlantic City," you may close your eyes Thursday, August 19, and dial for KDKA. Richard Kountz and the Symphony players will bring to your imagination the sound picture of this well known place. Amid the swell of the waves you will hear the music of the orchestras.

The Gondoliers, those popular musicians of WOS, return to this station Wednesday, August 25, bringing their marimbas with them. They have planned a gay program and anyone enjoying this unusual instrumental music should tune in.

Mr. and Mrs. W. J. Whiteman, Paul Whiteman's parents, and Fernie Whiteman Smith, his sister, will appear at KOA, Wednesday, August 25, when the Ohio society of Denver entertains. Nor will Mr. Whiteman's family appear in jazz selections. They will give a variety of semi-classical music.

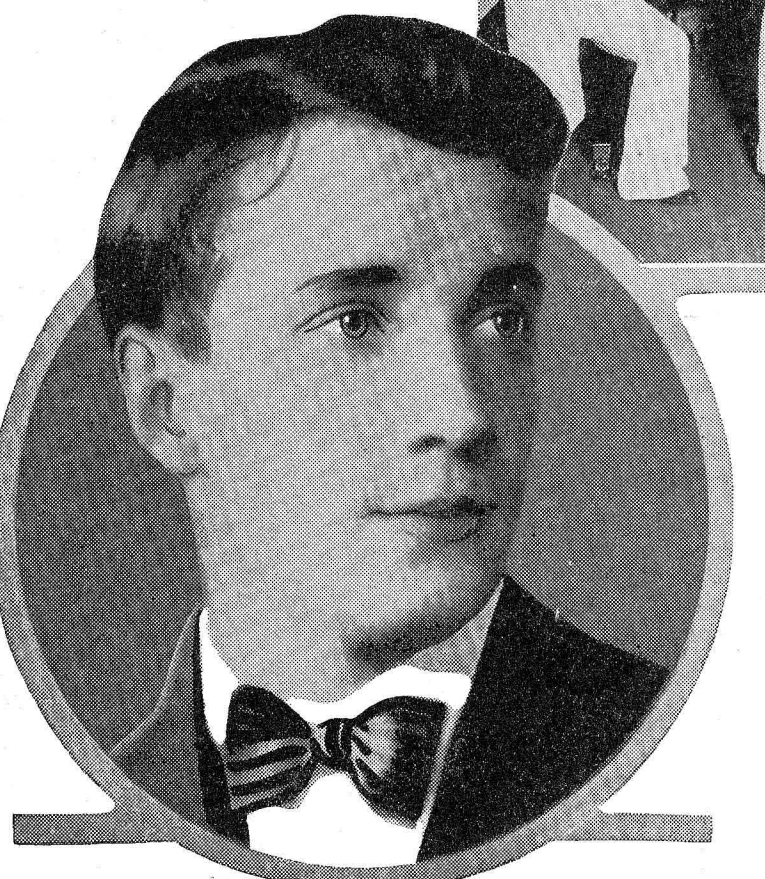
Although WCAP, Washington, D. C., will cease to go out over the air all the programs originally given over this station will continue to be broadcast over WRC.

10	9	8	7	6
WEAF (491.5m-610kc)	WJAR (305.9m-980kc)	WCCO (416.4m-720kc)	WCAE (461.3m-650kc)	WCSH (256.3m-1170kc)
WDAF (365.6m-820kc)	WOO (508.2m-590kc)	WTIC (475.9m-630kc)	WRC (468.5m-640kc)	WSAI (325.9m-920kc)
WOS (440.9m-680kc)	Fiddling champion.	10:30	9:30	8:30
11	10	9	8	7
WCCO (416.4m-720kc)	Scandinavian ensemble.	WSAI (325.9m-920kc)	Harmony Four.	11:30
10:30	10:30	9:30	8:30	7:30
WJAP (475.9m-630kc)	Grapevine Fiddle band.	2	1	11
11	10	9	8	7
WAMD (244m-1230kc)	Our hour, Mac, Sac.			

Monday, silent night for: CKAC, CNRA, CNRC, CNRE, CNRM, CNRO, CNRR, CNRT, CNRV, CNRW, KHJ, KLD, KPSN, KWSC, KYW, WBBM, WCB, WEBH, WEBJ, WENR, WGBF, WGES, WGS, WGN, WGY, WHAS, WHT, WIBO, WIP, WJAZ, WJJD, WLJB, WLS, WMAQ, WMBB, WOC, WOK, WORD, WQJ, WRC, WSAI.



**T**HE Jolly Tars above: of the Sylvan Beach director of which Earl Mc... feature is a weekly enter... is Nicolai Berezowski, cond... Atwater Kent orchestra... every Sunday evening at... Atlantic time through WE... WRC, WWJ, WSAI, W... and KSD. Mr. Berezows... only a young director, has... self a skilled one. Among... girls appearing before the... of WQJ is Vesta Lou Bal... she is a soprano. Howeve... intelligent one and never o... voice offended the ear of a... fact when she sings the tele... incessantly with requests



## Sunday, August 15

### Headliners Today

Atlantic	Eastern	Central	Mountain	Pacific
7:20	6:20	5:20	4:20	3:20
WEAF (491.5m-610kc)	WEEI (348.6m-560kc)	WRC (468.5m-640kc)	WWJ (352.7m-850kc)	KSD (545.1m-550kc)
WCAE (461.3m-650kc)	Capitol family.	9	8	7
WCX (516.9m-580kc)	Detroit symphony orchestra.	9:15	8:15	7:15
WIP (508.2m-590kc)	Paul Althouse, tenor.	11:15	10:15	9:15
KOA (322.4m-930kc)	Open-air concert.			

Sunday, silent night for: CKAC, CKNC, CNRA, CNRC, CNRE, CNRM, CNRO, CNRR, CNRT, CNRV, CNRW, KFAB, KFKX, KFOA, KFXF, KMA, KWWG, WAHC, WDAF, WEBJ, WFI, WGBF, WGH, WGH, WHAS, WJJD, WJR, WLIT, WLWL, WMAQ, WMC, WNYC, WOA, WOI, WOOD, WRC, WRO, WRVA, WSB, WSM, WTAM, WVIC.

### Atlantic or Eastern Daylight Saving Time Stations

CFC, Toronto, Can. (356.9m-840kc), 11 a. m., St. Paul's Anglican church; 7 p. m., Timothy Eaton Memorial church; 9:30, CFC's concert orchestra.

WCAU, Philadelphia, Pa. (277.6m-1080kc), 6:30 p. m., Hotel Pennsylvania orchestra; 7:30, Cathy tea garden orchestra.

WEAF, New York, (491.5m-610kc), 3 p. m., Greater New York Federation of Churches; 4:30, sacred music; 4:30, Federation mixed quartet; 5:30, Edward Steels, pianist; 6, Frances Sebel, soprano; 7:30, Capitol family, WEEI, WCAP, KSD, WWJ, WJAR, WCAE; 9:15, Atwater Kent, WEEI, WGR, WCAE, WWJ, WSAI, WGN, WCCO, KSD; 9:45-10:15, Goldman band concert, WEEI, WJAR, WTAG, WCSH, WSAI.

WFI, Philadelphia, Pa. (394.5m-760kc), 7:30 p. m., services, Arch st. Presbyterian church, Rev. Clarence E. MacCartney.

WIP, Philadelphia, Pa. (508.2m-590kc), 4:15 p. m., community vocal and instrumental trio; 7:15, services, Holy Trinity church; 9:15, concert, Marine studio; 10:30, organ recital from Atlantic City High School.

WJZ, New York, N. Y. (454.3m-660kc), 6 p. m., Isadore Greenberg, violinist; 7:05 p. m., Park Avenue Baptist Church Carillon, WGY; 7:25, Hotel Pennsylvania concert orchestra, WGY; 8, Betty Poulson, contralto, WGY; Ed. Morris, accompanist; 8:15, Hotel Ambassador trio, WGY; 9, Minerva Male quartet, WGY; 9:30, Godfrey Ludlow, violinist, volita Cabrera, Gainsboro, pianist, WGY.

WMAK, Buffalo, N. Y. (265.3m-1130kc), 7 p. m., Churchill tabernacle.

WMC, New York, N. Y. (340.7m-880kc), 7 p. m., Ernie Golden and his Hotel McAlpin orchestra; 7:30, Monte Carlo By-The-Sea orchestra.

### Eastern Standard or Central Daylight Saving Time Stations

KDKA, Pittsburgh, Pa. (309.1m-970kc), 7 p. m., municipal concert.

KYW, Chicago, Ill. (535.4m-560kc), 10 a. m., Second Presbyterian church; 3:30 p. m., studio concert; 8:30-10, classical concert.

WBAL, Baltimore, Md. (245.8m-1220kc), 7:30-8:30 p. m., WBAL concert orchestra.

WBBM, Chicago, Ill. (225.4m-1330kc), 12:30-2 p. m., Sacred classical concert, Eddie Hanson at the Barton organ, staff artists; 4-6, Musical matinee, Lee Sims; Charlie Lenzen, tenor; 8-10, Melody hour, staff artists; 12, The Nutty club.

WBZ, Springfield, Mass. (333.1m-900kc), 7 p. m., Conley Plaza concert; 8, Golden Rule hour; 9, Knight of Pythias.

WCBD, Zion, Ill. (344.6m-870kc), 9 p. m., male chorus, vocal trio; duets, Ralph Bull, E. B. Paxton; Carey Sisters; Edith Carey, contralto; L. J. Hire, viola soloist; Gerald Mason, cornetist; Mrs. Blanche Kessler, reader; John Mehaffey, pianist.

WCX, Detroit, Mich. (516.9m-580kc), 2:30 p. m., Scherman's band; 8, Detroit symphony orchestra.

WGHP, Detroit, Mich. (270m-1110kc), 11 a. m., Grosse Pointe Memorial church.

WGN, Chicago, Ill. (302.8m-990kc), 6:15 p. m., Uncle Walt; 6:45, musicale; 7-7:30, Million sing; 7:20-7:30, Old Fashioned Almanack; 7:30-8, musicale; 8-8:15, Drake concert ensemble, Blackstone string quintet; 8:15, Aamater Kent musicale; 8:45, musicale; 9-10, Our Music Room; 10, feature program; 10:10, WGN studio ensemble.

WGY, Schenectady, N. Y. (379.5m-790kc), 9:45 a. m., First Church of Christ, Scientist; 6:05 p. m., Park Avenue Baptist church carillon; 6:20, Hotel Pennsylvania orchestra, WJZ; 7, WJZ; 7:30, WJZ; 8:30, WJZ.

WHT, Chicago, Ill. (399.8m-750kc), 3 p. m., Paul Rader.

WJR, Pontiac, Mich. (516.9m-580kc), 10 a. m., First Baptist church; 8, Detroit symphony orchestra; 10, song service.

WKRC, Cincinnati, Ohio. (422.3m-710kc), 10 p. m., classical program; 11:15, Swiss Garden frolic; 12, Marie Turner, blues and ballads; 12:15, Ace Brigade's Fourteen Virginians.

WLIB, Chicago, Ill. (302.8m-990kc), 5 p. m., Liberty studio ensemble; 5:45, Edward Benedict.

### Central Standard Time Stations

CKY, Winnipeg, Can. (384.4m-780kc), 7 p. m., St. Andrews United.

KFAB, Lincoln, Neb. (340.7m-880kc), 9-10 p. m., Sunday evening musicale.

KFNF, Shenandoah, Ia. (461.3m-650kc), 10:45 a. m., First M. E. church; 2:30 p. m., Seed House song service; 3, Men's Gospel Team service; 6:30, Golden Rule circle; 8, Christian church service.

KMA, Shenandoah, Ia. (461.3m-650kc), 4-5 p. m., Lutheran church choir; 5, talk, Rev. L. A. Lippitt.

KMMJ, Clay Center, Neb. (228.9m-1310kc), 9:15 p. m., services.

KOIL, Council Bluffs, Iowa. (305.9m-980kc), 11 p. m., program.

KTHS, Hot Springs National Park, Ark. (374.8m-800kc), 11 a. m., First Presbyterian church; 9-10-10, Meyer Davis ensemble.

WBAP, Fort Worth, Tex. (475.9m-630kc), 11 a. m., First Methodist church; 9:30-11, Sorin-White Top of Texas orchestra.

WCC, Minneapolis-St. Paul, Minn. (416.4m-720kc), 10:50 a. m., Hennepin Avenue M. E. church; 4:10 p. m., House of Hope Presbyterian church; 7:15, WEA; 9:30, Hugo Philler Goodwin, organist.

WDAF, Kansas City, Mo. (365.6m-820kc), 3-3:30 p. m., classical music program; 3:30-4, Newman theater stage specialties; 4-4:45, Sabbath vesper.

WFAA, Dallas, Tex. (475.9m-630kc), 6-7 p. m., Radio Bible class; 7:15-8, American Legion program; 8-9, First Methodist Episcopal church; 11-12, Harry F. Hassall and his symphonic orchestra.

WFA, Milwaukee, Wis. (275.1m-1090kc), 3:15 p. m., Milwaukee Park Band concert.

WHAS, Louisville, Ky. (399.8m-750kc), 9:57 a. m., organ; 10, Broadway Christian church.

WHO, Des Moines, Ia. (526m-570kc), 5-6 p. m., Bankers' Life Little Symphony orchestra; 7:30-8:30, Paul Chantanson's Hotel Fort Des Moines orchestra.

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

WQAW, Omaha, Neb. (526m-570kc), 2:30 p. m., classical period; 8, church service.

WOC, Davenport, Ia. (483.6m-620kc), 1-2 p. m., old folks' musicale; Paul J. Vipperman, tenor; 8-8:30, Pliny L. Allen of Lombard college; 9:30-10:30, Palmer Little symphony.

WSB, Atlanta, Ga. (428.3m-700kc), 7:30 p. m., North Avenue Presbyterian church.

WSM, Nashville, Tenn. (282.8m-1060kc), 7:30 p. m., First Presbyterian church.

WSOE, Milwaukee, Wis. (245.8m-1220kc), 10 a. m., church service; 3:30, Bible hour; 8, services.

### Mountain Standard Time Stations

KOA, Denver, Colo. (322.4m-930kc), 11 a. m., Montview Presbyterian church; 5:30 p. m., Mrs. Blanche Townsend, organist; 8, open-air concert, Denver municipal band.

### Pacific Standard Time Stations

KFI, Los Angeles, Calif. (467m-642kc), 7-8 p. m., Jim, Jack and Jean trio; 8-9, Aeolian organ; 9-10, Bob Bottger's Venetians; 10-11, Packard Six orchestra.

KFWB, Hollywood, Calif. (252m-1190kc), 9-11 p. m., Warner Brothers' Sunday night movie frolic, featuring Bill Hatch and his orchestra.

KGO, Oakland, Cal. (361.2m-830kc), 11 a. m., First Baptist church; 4 p. m., vespers, Grace Cathedral; 6:30-7:30, Bem's Little symphony orchestra; 7:35, First Baptist church; 9-10, Bem's Little symphony.

KHJ, Los Angeles, Calif. (405.2m-740kc), 7-8 p. m., evening service, First M. E. church; 8:10 p. m., Orpheus Four male quartet.

KNX, Hollywood, Calif. (336.9m-890kc), 7-8 p. m., Circle theater organ and orchestra; 8-9, service, First Presbyterian church of Hollywood; 9-10:30, program, Beverly Hills Nurseries.

KPO, San Francisco, Calif. (428.3m-700kc), 5-6 p. m., Marshall W. Giselman, organist; 6-6:30, States Restaurant orchestra; 6:35-8:35, Palace Hotel concert orchestra; 8:35-10, Rudy Seiger's Fairmont hotel orchestra.

## Monday, August 16

### Headliners Today

Atlantic	Eastern	Central	Mountain	Pacific
7	6	5	4	3
WEAF (491.5m-610kc)	WEEI (348.6m-560kc)	Tales of the Sea.		

### Atlantic or Eastern Daylight Saving Time Stations

CKNC, Toronto, Can. (356.9m-840kc), 9 p. m., Eveready Salon orchestra; Mrs. Harry Hodgetts, soprano; E. Clare Forster, bass.

WCAU, Philadelphia, Pa. (277.6m-1080kc), 7:30 p. m., recital, N. Sheltenburg and company; 8, Carolyn Thomas, soprano; 8:30, The Two Rascals; 8:45, The Merry Minstrels; 9:30, Italian comedians, Tony and Joe; 9:45, Chalfont sisters, songs; 10, Raymond Vetter, violinist; 10:40, recital.

WEAF, New York, N. Y. (491.5m-610kc), 6 p. m., dinner music; Wilkanowski, piano; 7:30, Claude Reese, tenor; 8, Meyer Davis and his orchestra; 8:30, Goldman band concert, WWJ, WTIC; 10, grand opera, "Martha," WJAR, WCCO, WCAE, WCSH, KSD, WDAF, WOO, WTIC, WCAP, WSAI; 11-12, Jack Albin and his orchestra.

WEEI, Boston, Mass. (348.6m-860kc), 8 p. m., Earl Nelson and his uke; 9:15, Varsity tire entertainers; 9, Steamship Dorothy Bradford orchestra; 9:30, Nautical dance orchestra.

WFI, Philadelphia, Pa. (394.5m-760kc), 6:45 p. m., Adelphi Roof Garden orchestra.

WJZ, New York, N. Y. (454.3m-660kc), 7:05 p. m., Hazel Madison dinner orchestra; 7:55, John B. Kennedy; 8:10, Troubadour Tavern orchestra; 9, Maxwell House Coffee ensemble; 10:30, Harold Leonard's Waldorf-Astoria roof orchestra.

WLIT, Philadelphia, Pa. (394.5m-760kc), 8 p. m., Short Agro Waves, Chas. E. Shofner; 8:15, Arcadia Cafe concert orchestra; 9, Stanley theater hour of music; 10, Arcadia Cafe dance orchestra; 10:30, Fay's vaudeville features; 10:45, El Patio orchestra.

WMAK, Buffalo, N. Y. (265.3m-1130kc), 6:15-7:15, Philco Battery serenaders; 7:30-8:15, Buffalo Athletic club; 8:15-9, agriculture program.

WMC, New York, N. Y. (340.7m-880kc), 6:30 p. m., Ernie Golden and his Hotel McAlpin orchestra; 7:30, Monte Carlo-by-the-Sea; 9:15, Hardman Hour of Music; 10:30, Hotel Shelburne orchestra; 11, Jack Denny's orchestra; 11:30, Club Brighton orchestra; 12m, McAlpin entertainers.

WOR, Newark, N. J. (405.2m-740kc), 6:15 p. m., Hotel Lenox ensemble; 7:30-8:15, Jacques Jacobs Hotel Shelton ensemble; 7:30, Brooklyn Daily Eagle program; 8, Newark Philharmonic band; 9, Klein's Serenading Shoemakers; 10, Monterey Society orchestra; 10:30, Monterey concert quintet; 11:15, Ben Bernie's Berkeley-Carteret orchestra.

WOO, Philadelphia, Pa. (508.2m-590kc), 7:30 p. m., Hotel Sylvania orchestra; 8, organ recital; 8:30, Sesquicentennial program; 10:30, Sam Brown's orchestra.

### Eastern Standard or Central Daylight Saving Time Stations

KDKA, Pittsburgh, Pa. (309.1m-970kc), 5:30 p. m., Etzi Covato and his orchestra; 8, Marie Vierheller, pianist; Blanchard Wiester, tenor; 8:30, concert, Willows, Oakmont.

WBAL, Baltimore, Md. (245.8m-1220kc), 6:30-7:30 p. m., WBAL dinner orchestra; 7:30-8, WBAL male quartet; 8-9, WBAL trio; 10, dance orchestra.

WBZ, Springfield, Mass. (333.1m-900kc), 6 p. m., Hotel Lenox ensemble; 6:35, Hotel Kimball trio; 8, Capitol theater orchestra; 8:30, Rene Dagenais, organist; 9, Priscilla Beach half hour; 9:30, Edson A. Parks and his orchestra.

WCX, Detroit, Mich. (516.9m-580kc), 6 p. m., Gold-kette ensemble; 8-10, Detroit symphony orchestra.

WGHB, Clearwater, Fla. (265.3m-1130kc), 8:30-10 p. m., Caroline Lee, Max Hartlett, pianist.

WGHP, Detroit, Mich. (270m-1110kc), 6 p. m., dinner concert from Hotel Tuller; 8:30-9, studio program; 9-10, WGHP ensemble and soloists.

WJR, Pontiac, Mich. (516.9m-580kc), 7 p. m., Jean Goldkette's Petite symphony orchestra; 7:15, Caspar

### Atlantic or Eastern Daylight Saving Time Stations

Lingeman entertainers; 7:45, Good Will Oakland, Chief Pontiac; 8, Detroit symphony orchestra.

WKRC, Cincinnati, Ohio (422.3m-710kc), 6:15 p. m., Alvin Roehr and his Hotel Alms orchestra; 8, Eugene Schmitt, baritone; 8:15, dance program; 8:45, Eugene Perazzo, pianist; 9, American Legion; 12, popular program.

WLS, Chicago, Ill. (344.6m-870kc), 6:30 p. m., Al Melgard, organ; 6:45-7, College Inn orchestra.

WLW, Cincinnati, Ohio (422.3m-710kc), 7 p. m., Hotel Gibson Oriental room orchestra; 8, Charleston session, Pat Patrick's orchestra; 9, Calumet Baking Powder company and Rainco Gardens hour.

WOOD, Grand Rapids, Mich. (241.8m-1240kc), 9 p. m., Hazel Emmons, soprano; Luella Craig Tynesdale, contralto; Thurlow De Vlieger, pianist; 10:05, Van Wyck's instrumental quartet.

WREO, Lansing, Mich. (285.5m-1050kc), 6-7 p. m., dinner hour of music; Gold Standard ensemble, Speed-Wagon serenaders.

WRVA, Richmond, Va. (256.3m-1170kc), 8:45 p. m., chimes; 9:10, Bright Keck, Pat Binford; 9:30, Eugene Turner, tenor; 10:30, Hotel Richmond summer garden orchestra.

WSAI, Cincinnati, Ohio (325.9m-920kc), 9 p. m., WEA; 10, Harmony Four; Ferd Raine, tenor.

WTAM, Cleveland, Ohio (389.4m-770kc), 6 p. m., Hollenden Hotel orchestra; 7, Allen theater orchestra; 8, studio program; 11, Emerson Gill and his Bamboo Garden orchestra.

WTIC, Hartford, Conn. (475.9m-630kc), 7:30 p. m., Goldman band concert; 9, grand opera hour; 10:05-10:30, Capitol theater band.

WWJ, Detroit, Mich. (352.7m-850kc), 6 p. m., dinner concert; 7:30, Goldman band concert; 9, Detroit News orchestra.

### Central Standard Time Stations

CKY, Winnipeg, Can. (384.4m-780kc), 11 p. m., Capitol theater orchestra.

KFAB, Lincoln, Neb. (340.7m-880kc), 8:30-10:30 p. m., old-time tune night.

KFNF, Shenandoah, Iowa (461.3m-650kc), 7 p. m., concert; 8, poultry talk.

KMA, Shenandoah, Iowa (461.3m-650kc), 9-11 p. m., Corey and Carl.

KOIL, Council Bluffs, Iowa. (305.9m-980kc), 6 p. m., Evangeline Higgins; 7:30, Lyric serenaders; 9, Radio Jazz orchestra; 10, Barnyard Twins.

KTHS, Hot Springs, Ark. (374.8m-800kc), 9:10-9:40 p. m., Charles Garden, saxophonist; Clyde Foley, tenor; 9:40-10, Lawson Reid, organist; 10-10:30, dance concert, New Arlington hotel orchestra.

WBAP, Fort Worth, Texas (475.9m-630kc), 7:30-8:30 p. m., Allene Patterson Duff, contralto; 9:30-11, Grapevine Fiddle band; 11-12, musicale.

WCCO, Minneapolis-St. Paul, Minn. (416.4m-720kc), 6:15 p. m., St. Paul Hotel concert orchestra; Eleanor Poehler, soprano; 7:30, Radio Scouts' hour; 8, WEA; 9, Scandinavian ensemble; Edith McDonald Carpenter, soprano.

WDAF, Kansas City, Mo. (365.6m-820kc), 6-7 p. m., Nelle Sneed; address, Samuel Carver; Harry Frank, organist; 8-9, WEA; 11:45-1, Charlie Straight's Brunswick recording orchestra; Ted Meyn, organist; Earl Coleman's orchestra.

WFAA, Dallas, Texas (475.9m-630kc), 6:30-7:30 p. m., Ozarks orchestra; 8:30-9:30, Sears-Roebuck Agricultural Foundation program.

WHAD, Milwaukee, Wis. (275.1m-1090kc), 6:10 p. m., Wisconsin theater organ recital; 8:30, popular program; orchestral selections; Waldeman Schuler, pianist; Cliff Borchardt, baritone; novelty program, Vent Callahan, harmonist, saw artist.

WHO, Des Moines, Iowa (526m-570kc), 7:30-8 p. m., Philbrick and his Younker Tea-Room orchestra; 8-9, Bankers Life trio.

WMC, Memphis, Tenn. (499.7m-600kc), 8:30 p. m., Pappalardo Brothers' orchestra.

WOAI, San Antonio, Texas (394.5m-760kc), 8:30 p. m., Sunshine Laundry orchestra.

### DANCING

**Central Time**  
Saturday  
9, Mebb, Wjaz, Wmbi  
Wnye, Wro; 9:10, Kth  
Wip; 9:30, Kths, Wgb  
Wor, Wre; 10, Kmo  
Kfwa, Koa, Kpo, Wea  
Wgn, Wjz, Wjr, Wkr  
Wmca, Wwa, Wor, Ww  
Wreo, Wtam; 10:0  
Wweo; 10:30, Mam  
10:45, Wls; 11, Kfw  
Kfwb, Kpo, Wbbs, Wfa  
Wgh, Wwh, Wjaz, Ww  
11:30, Kfoa; 11:4  
Wdaf; 12, Kgo, Kgy  
Knx, Wgb, Wjaz, Wjj

**Monday**  
8, Wgcp; 9, Wgb  
Wjar, Wor; 9:15, Wwh  
10, Kths, Wgb, Wgc  
Wgr, Wnye, Wps; 10:1  
Wor; 10:30, Wcol, Wh  
11, Kgw, Kpl, Wgb  
Wgcp, Wgr, Wwh, Wh  
Wjaz; 11:45, Wdaf; 1  
Knx, Kpo.

**Tuesday**  
10:15, Kths; 10:30, Kth  
Wwh; 10:45, Wsb; 1  
1 Kgw, Koil, Wgb, Wh  
Wjaz; 11:45, Wdaf; 1  
Kgw, Khj, Knx, Kp  
Wdaf, Wjaz; 1, Wjd.

**Wednesday**  
9:15, Wgh; 9:30, Wba  
Wgh, Wor; 10, Kfv  
Wbap, Waf, Wgb  
Wgcp, Wjaz, Wqj; 10:0  
Wweo; 10:30, Wbap, Wh  
11, Kmox, Koil, Kp  
Wbbs, Wgb, Wgh, Wg  
Wwh, Wjaz; 11:45, Wp  
Wjaz, Wjjd.

**Thursday**  
8, Wjr; 9, Wbb, Wee  
Wgh, Wwh, Wjr, Wmb  
Wsal, Wtag; 9:05, Wb  
Wip; 9:30, Wgbs, Wg  
Wwh; 9:35, Wnye; 1  
Kths, Wfb, Wea  
Wgb, Wwh, Wzma, Wp  
Wqj; 10:30, Kths, Wh  
Wbb, Wgb, Wwh, Ww  
11:45, Wdaf; 12, K  
Khj, Knx, Kpo, Wjjd.

**Friday**  
8, Wwj; 9, Wex, Wwb  
Weel, Wwr, Wgc  
Wmbb; 9:15, Wgh; 9:3  
Wcau, Wwh; 10, Kp  
Kths, Wgwb, Wgc  
Wwh, Wgr, Wqj.









Sunday, August 22

Eastern Standard or Central Daylight Saving Time Stations

KYW, Chicago, Ill. (535.4m-560kc), 10 a. m., Second Presbyterian church; 3:30 p. m., studio concert; 8:30-10, classical concert.
WBAL, Baltimore, Md. (245.8m-1220kc), 7:30-8:30 p. m., WBAL concert orchestra.
WBBM, Chicago, Ill. (225.4m-1330kc), 12:30-2 p. m., Sacred classical concert, Eddie Hanson at the Barton organ, staff artists; 4-6, musical matinee, Lee Sims; Charlie Lenzen, tenor; 8-10, Melody hour, staff artists; 12, The Nutty club.
WGHP, Detroit, Mich. (270m-1110kc), 11 a. m., Grosse Pointe Memorial church.
WGN, Chicago, Ill. (302.8m-990kc), 6:15 p. m., Uncle Walt; 6:45, musicale; 7-7:20, Million sing; 7:20-7:30, Old Fashioned Almanack; 7:30-8, musicale; 8-8:15, Drake concert ensemble, Blackstone string quintet; 8:15, Atwater Kent musicale; 8:45, musicale; 9-10, Our Music Room; 10, feature program; 10:10, WGN studio ensemble.
WGY, Schenectady, N. Y. (379.5m-790kc), 6:05 p. m., Carillon; 6:20, WJZ.
WHT, Chicago, Ill. (399.8m-750kc), 3 p. m., Paul Rader.
WIBO, Chicago, Ill. (225.4m-1330kc), 6-8 p. m., Sunday evening concert; 10-12, Popular program.
WJAZ, Chicago, Ill. (329.5m-910kc), 7-9 p. m., Club Chez Pierre Girvin trio, Jack Baus, violinist, Ann Slack, cellist.
WKRC, Cincinnati, Ohio (422.3m-710kc), 10 p. m., classical program; 11:15, Swiss Garden frolic; 12, Marie Turner, blues singer; 12:15, Ace Brigode's Virginians.
WLIB, Chicago, Ill. (302.8m-990kc), 5 p. m., Liberty studio ensemble; 5:45, Edward Benedict.
WLS, Chicago, Ill. (344.6m-870kc), 10:45 a. m., U. of Chicago church service; 12:30, Elsie Mae Look, organist; 7, WLS Little Brown church.
WLW, Cincinnati, Ohio (422.3m-710kc), 9:30 a. m., Sunday school; 11, service; 3 p. m., Cincinnati Park Board concert; 7:30, J. Walter DeVaux, organist; 8:30, Crosley Salon orchestra.
WORD, Chicago, Ill. (275m-1090kc), 11 a. m., Morning I. B. S. A. service; 2 p. m., Bible lecture; 9:30, musical program and address; 10:45, Bible lecture.
WQJ, Chicago, Ill. (447.5m-620kc), 8-10 p. m., Rainbo Gardens orchestra; Helen Ginsberg, soprano; Phyllis Finegold, violin and Audrey Perlestein, piano.
WSWS, Chicago, Ill. (275.8m-1090kc), 7-9:30 p. m., Evening song service, Rev. Philpott.

WTAM, Cleveland, Ohio (389.4m-770kc), 6 p. m., Hollenden Hotel orchestra; 7, Park Theater orchestra; 8, Twilight musicale.
WWJ, Detroit, Mich. (352.7m-850kc), 2 p. m., Detroit News orchestra; 6:20, WEAJ; 8:15, WEAJ.
Central Standard Time Stations
CKY, Winnipeg, Can. (384.4m-780kc), 7 p. m., Young United.
KFDM, Beaumont, Tex. (315.6m-950kc), 11-12 n., First Presbyterian church; 8-10 p. m., services.
KFNF, Shenandoah, Ia. (461.3m-650kc), 10:45 a. m., First M. E. church; 2:30 p. m., Seed house song service; 3, Christian church orchestra; 6:30, Golden Rule circle; 8, Christian church services.
KMA, Shenandoah, Ia. (461.3m-650kc), 4-5 p. m., sacred program; 5, talk, Rev. L. A. Lippitt.
KOIL, Council Bluffs, Ia. (305.9m-980kc), 7:30 p. m., Charlestonians.
KTHS, Hot Springs National Park, Ark. (374.8m-800kc), 11 a. m., Central Methodist church; 9:10-10 p. m., classic hour, Meyer Davis orchestra.
KWCR, Cedar Rapids, Ia. (278m-1080kc), 11 a. m., Services, St. Paul's Methodist Episcopal church; 5 p. m., vesper services; 9:20, Sunshine Mission.
WBAP, Fort Worth, Tex. (475.9m-630kc), 11 a. m., First Methodist church; 9:30-11, Sorin-White Top of Texas orchestra.
WFAA, Dallas, Tex. (475.9m-630kc), 6-7 p. m., Radio Bible class; 8-9, First Church of Christ Scientist; 9-9:30, Willard B. Muse, tenor; Ruth Muse, contralto; 11-12, Ligon Smith's orchestra.
WHO, Des Moines, Ia. (526m-570kc), 5-6 p. m., Bankers Life Little symphony orchestra; 7:30-8:30, Fort Des Moines hotel orchestra.
WOAL, San Antonio, Tex. (394.5m-760kc), 11 a. m., First Presbyterian church; 7:45 p. m., Central Christian church.
WOAW, Omaha, Nebr. (526m-570kc), 2:30 p. m., classical; 9, chapel service.
WSOE, Milwaukee, Wis. (245.8m-1220kc), 10 a. m., church service; 3:30, Bible hour; 8, services.
WSUI, Iowa City, Ia. (483.6m-620kc), 9 p. m., familiar hymns.
Mountain Standard Time Stations
KOA, Denver, Colo. (322.4m-930kc), 11 a. m., Montview Presbyterian church; 5:30 p. m., Mrs. Blanche Townsend Chase, organist; 8, open-air concert, Denver municipal band.
Pacific Standard Time Stations
KFI, Los Angeles, Calif. (467m-642kc), 7-8 p. m., Jim, Jack and Jean trio; 8-9, Aeolian organ; 9-10, Bob Bottger's Venetians; 10-11, Packard Six dance orchestra.
KFWB, Hollywood, Calif. (252m-1190kc), 9-11 p. m., Sunday night movie frolic, Radio and screen stars.
KHJ, Los Angeles, Calif. (405.2m-740kc), 7-8 p. m., service, First M. E. church; 8-10, Orpheus Four male quartet in request numbers, and others.

KNX, Hollywood, Calif. (336.9m-890kc), 7-8 p. m., Carthay Circle theater organ and orchestra; 8-9, Service, First Presbyterian church of Hollywood; 9-10:30, program, Beverly Hills Nurseries.

Monday, August 23

Headliners Today

Table with 5 columns: Atlantic, Eastern, Central, Mountain, Pacific. Lists radio stations and their headliners for Monday, August 23.

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

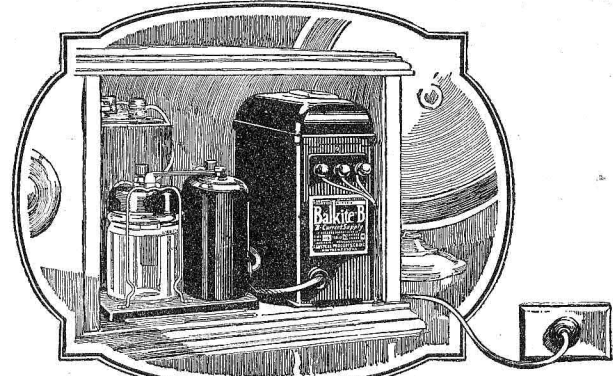
Atlantic or Eastern Daylight Saving Time Stations

CKNC, Toronto, Can. (356.9m-840kc), 9 p. m., Eveready Salon orchestra; Edgar Smith, bass; Daisy LaKush McAdam, soprano.
WCAU, Philadelphia, Pa. (277.6m-1080kc), 7:30 p. m., Snellenburg recital; 8, Carolyn Thomas, soprano; 8:30, The Two Rascals; 8:45, The Merry Minstrels; 9:30, Tony and Joe, Italian comedians; 9:45, Chalfont Sisters, harmony songs; 10, recital; 10:45, concert.
WEAF, New York, N. Y. (491.5m-610kc), 4-12 midnight, Palais D'Or orchestra; Meyer Davis' Park Lane orchestra; "Ballo in Maschera," WEAJ Grand opera company, Rolfe's Palais D'Or orchestra.
WJZ, New York, N. Y. (454.3m-560kc), 7:05 p. m., Hotel Madison dinner concert; 7:55, John B. Kennedy; 9, Maxwell House Coffee ensemble; 10:30, Harold Leonard's Waldorf Astoria roof orchestra.
WLIT, Philadelphia, Pa. (394.5m-760kc), 8:15 p. m., Arcadia cafe concert orchestra; 9, Stanley Hour of Music; 10, Arcadia cafe dance orchestra; 10:30, Fay's vaudeville features; 10:45, El Patio dance orchestra.
WMAK, Buffalo, N. Y. (265.3m-1130kc), 6:15-7:15 p. m., Phileo Battery serenaders; 7:30-8:15, Buffalo Athletic club; 8:15-9, WGY.
WMCA, New York, N. Y. (340.7m-880kc), 6:30 p. m., Ernie Golden and his Hotel McAlpin orchestra;

7:30, Monte Carlo by-the-Sea orchestra; 9:15, Hardman Hour of Music; 10:30, Hotel Shelburne orchestra; 11, Jack Denny's orchestra; 11:30, Club Brighton orchestra; 12 m., McAlpin entertainers.
WNYC, New York, N. Y. (526m-570kc), 6 p. m., piano selections; 6:20, piano selections; 7:35, songs; 8, piano recital; 8:25, violin recital; 9, songs; 9:30, instrumental program; 10, songs.
WOR, Newark, N. J. (405.2m-740kc), 6:15 p. m., Jacques Jacobs' Hotel Shelton ensemble; 6:45, Bill Wathley, sports; 7, Jacques Jacobs' Hotel Shelton ensemble; 7:30, Brooklyn Daily Eagle program; 8, Newark Philharmonic band; 9, Klein's Serenading Shoemakers; 10, Monterey society orchestra; 10:30, Monterey concert quintet; 11:15, Ben Bernie's Berkeley-Carteret orchestra.
WOO, Philadelphia, Pa. (508.2m-590kc), 7:30 p. m., Hotel Sylvania orchestra; 8, organ recital; Mary E. Vogt; 8:30, Sesqui Centennial concert; 10:30, Sam Brown's dance orchestra.

Eastern Standard or Central Daylight Saving Time Stations

WBAL, Baltimore, Md. (245.8m-1220kc), 6:30-7:30 p. m., WBAL dinner orchestra; 7:30-8, mixed quartet; 8-9, WBAL trio; 9-10, WBAL dance orchestra.
WBBM, Chicago, Ill. (225.4m-1330kc), 6-7 p. m., instrumental program featuring Lester D. Mather.
WGHB, Clearwater, Fla. (265.3m-1130kc), 8:30-10 p. m., Caroline Lee; Max Hartlett, pianist.
WGHP, Detroit, Mich. (270m-1110kc), 6 p. m., dinner concert from Hotel Tuller; 8:30-9, studio program; 9-10, WGHP ensemble and soloists.
WGY, Schenectady, N. Y. (379.5m-790kc), 5:30 p. m., Hotel Van Curler orchestra.
WKRC, Cincinnati, Ohio (422.3m-710kc), 6:15 p. m., Alvin Rosh and his Hotel Alms orchestra; 8, Eugene Schmitt, baritone; 8:15, dance program; 8:45, Eugene Perazzo, pianist; 9, American Legion; 12, popular program.



Your own radio set becomes a light socket receiver

with Balkite "B" and a Balkite Trickle Charger

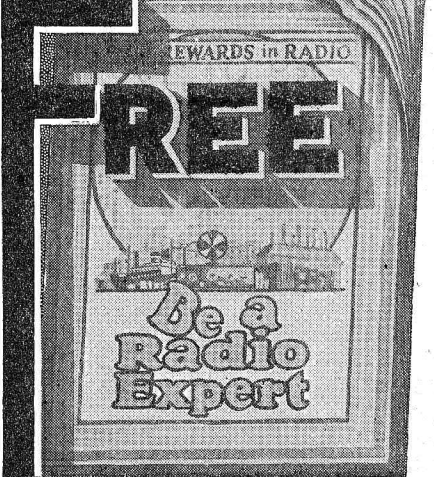
To own a light socket radio set you need not buy a new receiver. Nor make any changes in your present set. Merely add Balkite "B" and a Balkite Trickle Charger.
Balkite "B" replaces "B" batteries entirely and supplies "B" current from the light circuit. It is unlike any other "B" device. It will outlive 20 sets of "B" batteries. The Balkite Trickle Charger converts your present "A" battery into a light socket "A" power unit. Once connected it is left on permanent charge. For maximum convenience you may also add a switch

to cut out the charger and turn on Balkite "B" during operation. Both Balkite "B" and the Balkite Trickle Charger are permanent pieces of equipment and entirely noiseless. They have no bulbs, nothing to wear out, break or get out of order. Other than household current their first cost is the last. This type of installation is the last word in radio convenience. At the turn of a switch you always have full power. And with full power your set will give you consistently better reception. Ask your dealer.

Balkite "B," \$35 · Balkite Trickle Charger, \$10 Slightly higher west of the Rockies and in Canada

FANSTEEL Balkite Radio Power Units

Manufactured by FANSTEEL PRODUCTS COMPANY, Inc., North Chicago, Ill.



Learn to Earn \$50 to \$250 a Week Free Book 'RICH REWARDS IN RADIO' Tells How.

If you're earning a penny less than \$50 a week, clip coupon below for FREE RADIO BOOK! Thousands of openings, good positions everywhere in this growing brand-new, big pay profession. Free Book gives all the facts. Radio needs trained men! 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 N. R. I.-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 complete, 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.

SPECIAL BOOK AND OUTFIT COUPON

Form for requesting a special book and outfit coupon, including fields for name, address, town, and state.

You get receiving sets and practice instruments with course.

- FIVE BIG OUTFITS (1) Modern Single Control Tube Set Vacuum Tube Set (2) Simple receiving equipment for practice work (3) Advanced receiving equipment for practice work (4) World-famous Natrometer, patent of National Radio Institute (5) Practice set and buzzer outfit.

Monday, August 23

WLW, Cincinnati, Ohio (422.3m-710kc), 7 p. m., Hotel Gibson Oriental room orchestra; 8, Pat Patrick and his orchestra; 9, Calumet Baking Powder and Rainbo Garden hour; George Conyer, tenor. WOOD, Grand Rapids, Mich. (241.8m-1240kc), 9 p. m., Luella Craig Tynedale, contralto; Thurlow De Vlieger, pianist; 10:05, Grand Rapids Radio company. WRIO, Lansing, Mich. (285.5m-1050kc), 6-7 p. m., dinner hour of music, Gold Standard ensemble. Speed-wagon serenaders. WRVA, Richmond, Va. (256.3m-1170kc), 8:45 p. m., chimes; 9:10, J. Harold Lawrence, blind pianist; 10:30, Golden Gate syncopators. WSAI, Cincinnati, Ohio (325.9m-920kc), 9 p. m., WEAF; 10, Harmony Four orchestra. WTAM, Cleveland, Ohio (389.4m-770kc), 6 p. m., Hollenden Hotel orchestra; 7, Allen Theater orchestra; 8, studio program; 11, Emerson Gill and his Bamboo Garden orchestra. WTIC, Hartford, Conn. (475.9m-630kc), 5:30 p. m., Blumenthal's Hub trio; 7:30, Coast Guard band; 9, grand opera hour; 10:05, Capitol theater organ. WWJ, Detroit, Mich. (352.7m-850kc), 6 p. m., dinner concert; 7:30, Goldman band concert; 9, Detroit News orchestra.

Central Standard Time Stations

CKY, Winnipeg, Can. (384.4m-780kc), 10 p. m., Reliable and Maximize Battery hour of music; 11, Capitol theater revue. KFNH, Shenandoah, Ia. (461.3m-650kc), 7 p. m., concert; 8, poultry talk. KMA, Shenandoah, Ia. (461.3m-650kc), 9-11 p. m., Corey and Carl. KMMJ, Clay Center, Nebr. (228.9m-1310kc), 8 p. m., Old Trusty Juvenile band. KOIL, Council Bluffs, Ia. (305.9m-980kc), 6 p. m., Evangeline Higgins; 7:30, studio program; 9, Ray Winn and his Paramount orchestra; 10, Barnyard Twins. KTHS, Hot Springs National Park, Ark. (374.8m-800kc), 9:10-10 p. m., ballads, New Arlington hotel orchestra; 10:10-10:30, Ray Mullins Como Roof Garden orchestra. WBAP, Fort Worth, Tex. (475.9m-630kc), 7:30-8:30 p. m., employees, Northern Texas Traction company; 9:30-11, Gordonville fiddle band; 11-12, musicale. WFAA, Dallas, Tex. (475.9m-630kc), 6:30-7:30 p. m., Frenslay Moore's orchestra; 8:30-9:30, Sears-Roebuck Agricultural Foundation program. WHAD, Milwaukee, Wis. (275.1m-1090kc), 6:10 p. m., organ recital; 8:30, popular studio program; Cliff Borchardt, baritone; Vent Callahan, harmonica and saw artist, novelty selections. WHO, Des Moines, Ia. (526m-570kc), 7:30-8 p. m., Philbreck and his Younker tea-room orchestra; 8-9, Bankers Life trio. WOAW, Omaha, Nebr. (526m-570kc), 6 p. m., Hugo G. Heyn, marimba soloist; Emil B. Hoffmann, pianist; 6:50, orchestra; 9, classical. WOS, Jefferson, City, Mo. (440.9m-680kc), 8 p. m., Daniel Boone Jones, old time fiddler. WSM, Nashville, Tenn. (282.8m-1060kc), 7 p. m., Andrew Jackson hotel trio; 8, studio program; 10, Vito and his Radio Seven. WSOE, Milwaukee, Wis. (245.8m-1220kc), 9 p. m., Foca Di Leo's Accordion symphony orchestra. WSUL, Iowa City, Ia. (483.6m-620kc), 8 p. m., musicale.

Mountain Standard Time Stations

CNRC, Calgary, Can. (435.8m-688kc), 9:30 p. m., National Railways' Little Symphony orchestra. KOA, Denver, Colo. (322.4m-930kc), 6:30 p. m., Brown Palace string orchestra; 8, Scheurman's Colorado orchestra; 8:15, all-family studio programs.

Pacific Standard Time Stations

CNRV, Vancouver, Can. (291m-1030kc), 9:30 p. m., CNR Little symphony orchestra; 10-11, Cabaret Belmont orchestra. KFI, Los Angeles, Calif. (467m-642kc), 7-8 p. m., Owen Fallon's Californians; Jackie Lucas, soloist; 8-9, Marie Louise Caselotti, soprano; Guide Caselotti, pianist; 9-10, program, Walter M. Murphy Motors company, KPO; 10-11, program, Meiklejohn Brothers. KFWB, Hollywood, Calif. (252m-1190kc), 7-8 p. m., program, Dr. Ralph Mitchell and Associated Dentists; 8-9, program, The Sealy company; 9-10, program, American Dye Works; 10-11, Warner Brothers frolic. KLX, Oakland, Calif. (508.2m-590kc), 8-9 p. m., studio program. KNX, Hollywood, Calif. (336.9m-890kc), 7-7:30 p. m., program, Palisades association; 7:30-8, program by Overalls; 8-9, program, L. W. Stockwell Co.; 9-10, Julian Petroleum Corp. program; 10-11, Alexandria hotel dance orchestra; 11-12, Ambassador hotel orchestra.

Tuesday, August 24

Headliners Today

Table with 5 columns: Atlantic, Eastern, Central, Mountain, Pacific. Rows list stations and their headliners for various times.

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

Atlantic or Eastern Daylight Saving Time Stations

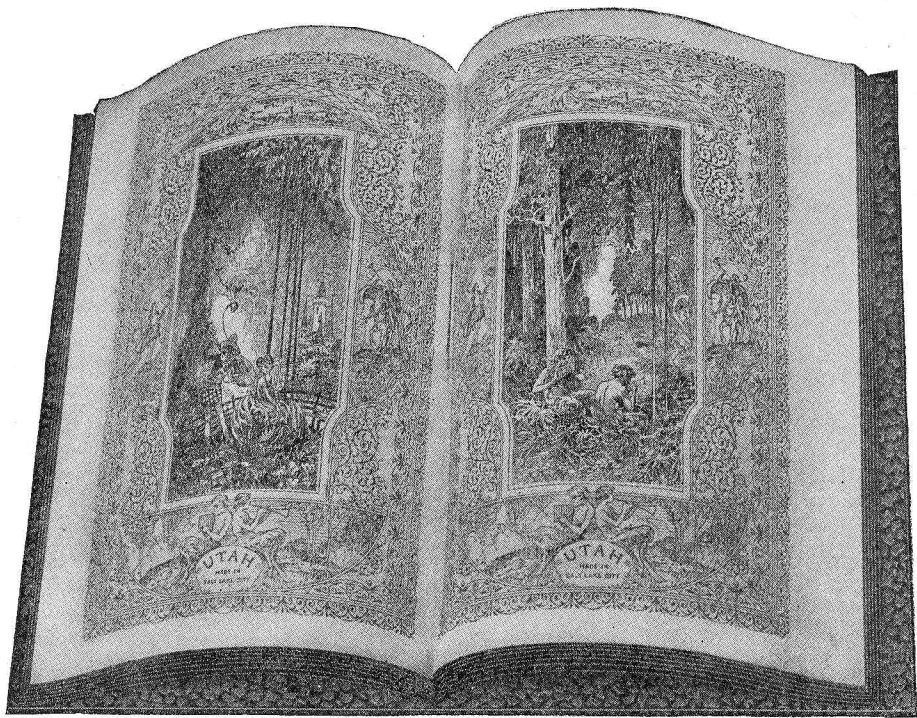
CNRA, Moncton, Can. (322.4m-930kc), 9 p. m., Mrs. H. M. Wheeler, pianist; Mrs. William Cook, soprano; Flora Brown, reader; Vincent Melanson, tenor; Mrs. Fred Knight, mezzo-soprano; 11, orchestra. WCAU, Philadelphia, Pa. (277.6m-1080kc), 7:30 p. m., Snellenburg recital; 8, concert; 8:10, The Three Brothers; 8:25, Peter Ricci, baritone; 8:45, Charles Higgins, popular songs; 9, Kuehnie's artists; 9:30, recital; 9:45, Eddie Malle, entertainers; 10, Billy Hays Cathy dance orchestra. WEAF, New York, N. Y. (491.5m-610kc), 4-12 midnight, United Synagogue of America; Columbia university French course; Salon concert; Gold Dust Twins; Eveready hour; Moment musicale; Hotel Bossert orchestra; Greenwich Village Inn orchestra. WEBJ, New York, N. Y. (272.6m-1100kc), 7 p. m., Raymond orchestra; 7:30, Knickerbocker Grill orchestra; 8:15, Sara Case, pianist; 8:30, Luna's Marine band. WFL, Philadelphia, Pa. (394.5m-760kc), 6:45 p. m., Adelphi Roof Garden orchestra; 8, WEAF; 10:30, Greenwich Village Inn orchestra. WIP, Philadelphia, Pa. (508.2m-590kc), 6:05 p. m., Benjamin Franklin concert orchestra; 8, Steeplechase Pier dance orchestra; 8:30, Steel Pier Minstrels; 9, Chalfonte-Haddon Hall trio; 10, moving picture talk; 10:20, Cummins, Kentuckians dance orchestra; 11, Silver Slipper Club orchestra; 11:30, Seattle Harmony Kings dance orchestra. WJZ, New York, N. Y. (454.3m-660kc), 7:05 p. m., Frank Dole; 7:20, Waldorf Astoria roof orchestra; 8:30, May Singhi Breen, Jack de Rose and the Four Jack Roses; 9, Pennsylvania Railroad hour, WRC. WGY, 10 p. m., Cook's Southern Hemisphere Cruise, WRC. WGY; 10:45, Geo. Olsen's Hotel Pennsylvania Roof orchestra. WMCA, New York, N. Y. (340.7m-880kc), 6:45 p. m., Jack Windrow, ukelele and songs; 7, Monte Carlo by-the-Sea orchestra; 9, Paul Whiteman's Picadilly players; 9:30, Columbia Park entertainers; 10:30, Hotel Shelburne orchestra; 11, Ernie Golden and his Hotel McAlpin orchestra; 12 m., McAlpin orchestra. WOR, Newark, N. J. (405.2m-740kc), 6:45 p. m., Hotel Bretton Hall string quartet; 7:30, Premier club orchestra; 8:15, Vanderbilt hotel orchestra; 9, Donald H. Baker, organ recital; 9:45, Jimmy Caruso's frolic; 10:15, Ritz-Carlton dance orchestra. Eastern Standard or Central Daylight Saving Time Stations KYW, Chicago, Ill. (535.4m-560kc), 5:30 p. m., dinner concert, Congress hotel; 6, music hour; 7, American

farm bureau federation; 8-9:30, classical concert; 9:30-11, Congress Carnival, Art Linick, Eddie and Fannie Cavanaugh. WBAL, Baltimore, Md. (245.8m-1220kc), 6:30-7:30 p. m., WBAL dinner orchestra; 7:30-8, Mandolin orchestra; 8-9, George Bolek, pianist; Helen Broemer, cellist; Edward Jendrek, tenor; 9-10, municipal band. WBBM, Chicago, Ill. (225.4m-1330kc), 5:15-6 p. m., Recital, Eddie Hanson at the Barton organ; 8-9:30, Melody hour, staff artists; 9:30-10, Moss covered melodies; 10-11:30, Variety hour, Lee Sims, Smith and Ford and staff artists; 11:30-12, Howard Osburn's Vanity Fair cafe orchestra. WGHB, Clearwater, Fla. (265.3m-1130kc), 8:30-10 p. m., American Legion band; Royal Poincianna band. WGHP, Detroit, Mich. (270m-1110kc), 6 p. m., dinner concert from Hotel Tuller; 8:30-9, studio program; 9-10, Skylark dance band and soloists. WGN, Chicago, Ill. (302.8m-990kc), 6:15 p. m., Uncle Walt's Punch and Judy; 6:45-7, Drake concert ensemble, Blackstone string quintet; 8-9, Eveready hour; 9-10, Great Moments from Grand Opera; 10-10:10, Sam 'n Henry; 10:10-11, musicale. WGY, Schenectady, N. Y. (379.5m-790kc), 6:30 p. m., Wonder story of Steinmetz; 7:30, WJZ. WHT, Chicago, Ill. (399.8m-750kc), 7-8:30 p. m., Al Carney, organist; Riverview Melody Masters; 8:45-10:15 (238m-1260kc), organ opening; Riverview orchestra; 10:30-1 (399.8m-750kc), Al Carney, organist; Bel Canto male quartet; Ann Slack, cellist; Riverview orchestra; your hour league. WIBO, Chicago, Ill. (225.4m-1330kc), 6-8 p. m., Dinner concert; 12, Midnight jamboree. WJAZ, Chicago, Ill. (329.5m-910kc), 9-12 mid., Club Chez Pierre, Earl Hoffman's Chez Pierre orchestra; The Quips that Pass in the Night; Louise Kramer, violinist; Francis Rosemary Scheib, soprano; Helen Jackson, pianist. WKRC, Cincinnati, Ohio (422.3m-710kc), 10 p. m., Eugene Perazzo, organist; 11, Al Kirschner, pianist; 11:15, Chubby Lieber; 11:30, dance program.

WLIB, Chicago, Ill. (302.8m-990kc), 7 p. m., Million sing; 7:05, Old Fashioned Almanack; 7:15, dinner music; 7:30, Gold Dust Twins; 11, Correll and Gosden; 11:20, Ambrose Larsen, organist; Drake hotel dance orchestra; Liberty studio ensemble. WLS, Chicago, Ill. (344.6m-870kc), 6:45 p. m., College Inn Orchestra; 7:20, Prof. E. Prazier, reader; 7:30, Ralph Emerson, organist; 8, Surprise time; 8:10, Sherwood music hour. WLW, Cincinnati, Ohio (422.3m-710kc), 7 p. m., Norrine Gibbons and her girl friend, Priscilla Holbrook; 7:30, Castle Farmers; 8, Tenth Infantry band; 9, Formica Insulation company orchestra. WMAQ, Chicago, Ill. (447.5m-670kc), 6:30 p. m., orchestra; 6:45, Swimming lesson; 8, book review, Keith Preston; 8:20, Architect's Small House service bureau; 8:40, Whitney trio; 9, Mae Dowling Schmidt, pianist; 9:30, Jack Chapman's orchestra; 9:45, Burpan Homes. WOOD, Grand Rapids, Mich. (241.8m-1240kc), 9 p. m., Ye Olde Time Song Feste, Roy Clark, Sally Simpkins, Jim Forshey, Claude Lee, Beth Garrison, quartet; 9:45, Melissa Dvorak, pianist; 10:05, Salvation Army. WQJ, Chicago, Ill. (447.5m-670kc), 7-8 p. m., Rainbo Gardens orchestra; Sheppard Levine, Vesta Lou Balch, Helen Combs; 10 p. m.-2 a. m., Rainbo Gardens orchestra; Sophia Kasimir, Mildred and Hazel Lamb, Muriel Olsen, Romo Vincent, Frank Blasco. WRIO, Lansing, Mich. (285.5m-1050kc), 6-7 p. m., dinner hour of music, Speed-wagon serenaders, Gold Standard ensemble; 8:15-9:45, bank concert, Natural Amphitheater. WSAI, Cincinnati, Ohio (325.9m-920kc), 7 p. m., WEAF; 7:30, Charles H. Partington, accordionist; Ray Lombardi, baritone; 8, Eveready hour of music; 9, Lola Bruce, Maids of Melody. WSW, Chicago, Ill. (275.8m-1090kc), 8-9 p. m., Walter Dyckman, basso; Truman Agland, Deolores Diazavado, songs; Terrace Garden orchestra; Henri Therrien, tenor; Ilona Kinicz, songs; 11-12, John Clark, baritone; Georgia Gray, violinist; Matthews

sisters; Jean St. Anne, baritone; Zola pianist; Terrace Garden orchestra; 12-1 Garden. WTAM, Cleveland, Ohio (389.4m-770kc), State theater vaudeville and music; 7, Sa from WEAF; 7:30, Gold Dust Twins; 8, Eveready entertainers from WEAF; musicale from WEAF; 9:30, Dance orchestra; 10, studio program; 11, Frank L. Lucid beach orchestra. Central Standard Time Stations KFAB, Lincoln, Nebr. (340.7m-880kc), 8 p. m., University of Nebraska. KFNH, Shenandoah, Ia. (461.3m-650kc), 7 p. m., X Strom's Boy band. KMA, Shenandoah, Ia. (461.3m-650kc), 9-11 p. m., May's Mandolin musicians. KOIL, Council Bluffs, Ia. (303.9m-980kc), 6 p. m., program; 7:30, studio program; 11, Tillie's Bon-Ton serenaders. KTHS, Hot Springs National Park, Ark. (374.8m-800kc), 9:10-9:30 p. m., Lawson Reid, organist; 9:30-10, Meyer Davis orchestra; 10-10:15, Joe Kuntz, accordion selections. WBAP, Fort Worth, Tex. (475.9m-630kc), 7:30-8:30 p. m., Clyde Massengale, baritone; Florence Massengale, pianist; 9:30-11, Wagoner-Hawaiian trio. WFAA, Dallas, Tex. (475.9m-630kc), 6:30-7:30 p. m., Hauulea School of Hawaiian music; 8:30-9:30, Edwin Lisman, bass; 11-12, Jimmy Joy's Baker hotel orchestra. WGBF, Evansville, Ind. (236m-1270kc), 7 p. m., musical program; 8, varied program. WHAD, Milwaukee, Wis. (275.1m-1090kc), 6:10 p. m., dinner hour program; 8:30, Wisconsin theater review. WHAS, Louisville, Ky. (399.8m-750kc), 7:30-8:30 p. m., Cardinals; 8:30-9, T. C. Martin, fiddler. WHO, Des Moines, Ia. (526m-570kc), 7:30-9 p. m., Fourteenth Cavalry band. WMC, Memphis, Tenn. (499.7m-600kc), 8:30 p. m., musical program; 11, Britling's cafeteria orchestra.

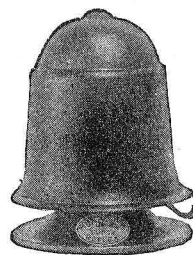
The UTAH Book Sensation of 1926



\$ 19

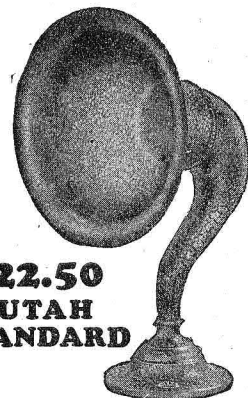
\$ 19

TRY a UTAH Book Speaker, the newest Radio development. Looks like an open book—ornamental, efficient. If it does not produce clearer reception than any other speaker using same kind of construction in diaphragm regardless of price, return it and your money will be cheerfully refunded. Brings out all low tones as well as high tones. Stands strongest amplification without blasting or distortion. Ask your dealer about the Utah line—sold on the unconditional Utah guarantee.



Reg. U. S. Pat. Off.

\$10 UTAH SUPERFLEX



\$22.50 UTAH STANDARD

The speaker with the golden throat.

14-Inch bell.

UTAH JUNIOR \$12.50

11-Inch bell.

GUARANTEE Buy a Utah and use it for two weeks. Compare its tone with the best the others are able to produce. If the Utah does not give better reception return it to your dealer and he will refund your money.

Utah Radio Products Co. 1421 S. Michigan Ave., Chicago, Ill.



Trade Mark Registered

UTAH RADIO PRODUCTS CO. 1421 S. Michigan Ave., CHICAGO, ILL.

# Radio Tuesday, August 24

Antonio, Tex. (394.5m-760kc), 8:30 p. m., Mexican players.  
 'naha, Nehr. (526m-570kc), 6:20 p. m., pop period, Lillian Madsen; 6:50, orchestra; um, George H. Lee company; 10:15, WOAW ovie club.  
 ashville, Tenn. (282.8m-1060kc), 8 p. m., radio program.  
 ie, Milwaukee, Wis. (245.8m-1220kc), 8 p. m., building and Loan Ideas; 9, Knights of Pythias concert.

**Mountain Standard Time Stations**  
 CNRR, Regina, Can. (312.3m-960kc), 8 p. m., McQuarrie's concert and dance orchestra; Pragnall trio.  
 KOA, Denver, Colo. (322.4m-930kc), 6:30 p. m., Brown Palace string orchestra.

**Pacific Standard Time Stations**  
 CNRV, Vancouver, Can. (291m-1030kc), 9 p. m., W. G. Hassell, vocal teacher; 10:30, Cabaret Belmont orchestra.  
 KFI, Los Angeles, Calif. (467m-642kc), 7-8 p. m., Virginia ballroom orchestra, Parks Sisters; 8-9, Screen Artists' string quartet; 9-10, Leo Rabitz, violinist; 10-11, Packard Radio club.  
 KFVB, Hollywood, Calif. (252m-1190kc), 7-8 p. m., program, Morris and company; 8-10, dance program, Bill Hatch and his orchestra; 10-11, Warner Brothers orchestra.  
 KHJ, Los Angeles, Calif. (405.2m-740kc), 6:30-7:30 p. m., weekly visit of Queen Titania and the Sandman; 8-10, Stewart-Warner quartet; Mona Content, pianist; 10-11, L. A. Ry. dance orchestra.  
 KNX, Hollywood, Calif. (336.9m-890kc), 7-7:45 p. m., program, John A. Vaughn corp.; 7:45, Health talk; 8-9, Builders' Finance ass'n program; 9-10, program, Western Auto Supply co.; 10-11, Edgewater club; 11-1 a. m., Ambassador hotel dance orchestra.  
 KPSN, Pasadena, Calif. (315.6m-950kc), 8-9 p. m., Star-News concert hour with Adolf Tandler ensemble, George Frenger, tenor.

# Wednesday, August 25

**Headliners Today**

Atlantic	Eastern	Central	Mountain	Pacific
10	9	8	7	6
WHAD (275m-1090kc), Milwaukee Park Band concert.	9:30	8:30	7:30	6:30
10:30	9:30	8:30	7:30	6:30
WHAS (399.8m-750kc), Honolulu serenaders.	9:15	8:15	7:15	6:15
WOAI (394.5m-760kc), Delaware Punch program.	10	9	8	7
WJAZ (447.5m-670kc), Lamb sisters.	11:15	10:15	9:15	8:15
KOA (322.4m-930kc), Ohio society.				

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

## Atlantic or Eastern Daylight Saving Time Stations

CNRO, Ottawa, Can. (434.5m-690kc), 8 p. m., Chateau Laurier concert orchestra; 9, Chateau Laurier quartet.  
 WCAU, Philadelphia, Pa. (277.6m-1080kc), 7:30 p. m., concert, N. Snellenburg and Co.; 8, recital; 8:30, concert; 9:40, Senator Hassenspiesser; 9:45, Frank Cook, old-time songs; 10, Artie Bittong's Cheer-up club.  
 WEAJ, New York, N. Y. (491.5m-610kc), 4-12 mid-night, "A Russian Fairy Tale," Margaret Scott; tea music; United Synagogue of America; U. S. Army band; Davis' Saxophone octet; Inana Troubadours; South Sea Islanders; WEAJ light opera company; Pelham Heath Inn orchestra.  
 WEBJ, New York, N. Y. (272.6m-1100kc), 8 p. m., Dixie Daisy entertainers; 8:30, Jerry Alexander, entertainer; 8:45, Isabel Henderson, soprano; 9, Brennan and Adams, songs with uke; 9:30, Ormond Aces orchestra.  
 WFI, Philadelphia, Pa. (394.5m-760kc), 6:45 p. m., Adelphia Roof Garden orchestra.  
 WIP, Philadelphia, Pa. (508.2m-590kc), 6:05 p. m., Benjamin Franklin concert orchestra.  
 WJZ, New York, N. Y. (454.3m-660kc), 7:05 p. m., Hotel Madison concert orchestra; 8, Imperial Imps; 8:30, Stadium Philharmonic concert; 10:20, Henry Ford Old-Time orchestra.  
 WLIT, Philadelphia, Pa. (394.5m-760kc), 8 p. m., Arcadia cafe concert orchestra; 8:30, Progress Paint company entertainers; 9, E. A. White Radio hour; 10, Arcadia cafe concert orchestra.  
 WMAK, Buffalo, N. Y. (265.3m-1130kc), 7:30-8:15 p. m., Eastman theater, WGY; 8:15-9, WHAM; 9-10, Pearce and Pearce.  
 WMCA, New York, N. Y. (340.7m-880kc), 6:30 p. m., Ernie Golden and his Hotel McAlpin orchestra; 7:30, Tappen's orchestra; 8, Monte Carlo by-the-Sea or-

chestra; 10:30, Colonial Inn orchestra; 11, Jack Denny's orchestra; 11:30, Club Brighton orchestra; 12 m., McAlpin entertainers.  
 WNYC, New York, N. Y. (526m-570kc), 6 p. m., piano selections; 6:15, piano selections; 7:15, songs; 8:30, band concert from the Mall, Central Park, New York city.  
 WOR, Newark, N. J. (405.2m-740kc), 6:15 p. m., Jacques Jacobs' Hotel Shelton ensemble; 7, Jacques Jacobs' Hotel Shelton ensemble; 7:45, Spencer Armstrong, "Topics of the Day"; 8, Newark Philharmonic band; 9, French line program; 9:45, Monterey Society orchestra; 10:30, special feature; 10:45, Monterey concert quintet; 11:15, Ben Bernie's Berkeley-Carteret orchestra.  
 WOO, Philadelphia, Pa. (508.2m-590kc), 7:30 p. m., Sylvania dance orchestra; 8:30, WEAF; 10, Fox theater concert; 10:30, Sam Brown's dance orchestra.

## Eastern Standard or Central Daylight Saving Time Stations

PWX, Havana, Cuba (399.8m-750kc), 8:30-11 p. m., military band music.  
 KYW, Chicago, Ill. (535.4m-560kc), 5:30 p. m., dinner concert; 6, Chicago evening studio concert; 8-9:30, classical concert; 9:30-11, Congress Carnival.  
 WBBM, Chicago, Ill. (225.4m-1330kc), 5:15-6 p. m., recital, Eddie Hanson, organist; 9-10, Harmony Time, staff artists; 12, The Nutty Club.  
 WGHM, Clearwater, Fla. (265.3m-1130kc), 8:30-10 p. m., Virginia Girl; Bob Houts, baritone.  
 WGHM, Detroit, Mich. (270m-1110kc), 6 p. m., dinner concert from Hotel Tuller; 8:30-9, Campers' hall hour; 9-10, WGHM ensemble and soloists.  
 WGN, Chicago, Ill. (302.8m-990kc), 6:15 p. m., Uncle Walt; 6:45, Darke concert ensemble, Blackstone string quintet; 8:30-8:45, Tripoli trio; 8:45-10, Arabian Night's entertainment; 10:10, Music Box; 10:20, studio program; 10:30, party.  
 WGY, Schenectady, N. Y. (379.5m-790kc), 6:30 p. m., Eastman theater orchestra; 7:15, WHAM studio program.  
 WHT, Chicago, Ill. (399.8m-750kc), Al Carney, organist; Riverview Melody Masters; 8:45-10:15, (238m-1260kc), Helen Raub, organist; Stuart Dawson; 10:30-11 (399.8m-750kc), Al and Pat; Riverview orchestra.  
 WIBO, Chicago, Ill. (225.4m-1330kc), 6-8 p. m., dinner concert; 10-12, popular program.  
 WJAZ, Chicago, Ill. (329.5m-910kc), 9-12 mid., Club Chez Pierre, Earl Hoffman's Chez Pierre orchestra; vocal selections, Alexander Nakutin studio; program for Captain Donald B. MacMillan.  
 WKRC, Cincinnati, Ohio (422.3m-710kc), 6 p. m., Erwin Reed's Garden of Allah orchestra; 8:15, Alvin Roehr and his Hotel Alms orchestra; 9, Ever-fresh hour; 12, Lookout house orchestra.  
 WLBB, Chicago, Ill. (302.8m-990kc), 7 p. m., Million sing; 7:05, Old Fashioned Almanack; 7:15, dinner music; 7:30, Pattison Coates, baritone; Edward Barry, pianist; 7:50, Auld Sandy; 8, WEAF; 12:30-1, Ambrose Larsen, organist.  
 WLS, Chicago, Ill. (344.6m-870kc), 6:30 p. m., Al Meigard, organist; 6:45, College Inn orchestra; 7:20, Rose Sherman, violinist; Marie Ludwig, harpist; 7:30, Ralph Emerson, organist; 8:10, College Inn orchestra; 8:30, U. of Chicago choir; 8:45, Midwest quartet; 9, WLS trio; 9:30, Harmony team; 9:45, College Inn orchestra; 10, popular music; 11, special program.  
 WLW, Cincinnati, Ohio (422.3m-710kc), 7 p. m., Robert Visconti's orchestra; 10, Pink of Programs; 11, Royal Elk syncopators.  
 WMAQ, Chicago, Ill. (447.5m-670kc), 6:50 p. m., Jack Chapman's orchestra; 8:30, Whitney trio; 9, Hilda Eppstein, pianist; 9:30, Jack Chapman's orchestra.  
 WOOD, Grand Rapids, Mich. (241.8m-1240kc), 9 p. m., 16 Fingered Paul, Moke Marrin, Helen Neuman, Jim Forshey, Ruth Glaser, Pearl Knudson, Sid Goldman, Ramona Gardens orchestra; Minnie Durey Johnson, Marian Cussers; Van Harvey's instrumental quartet; Herman Nyh; 10:05, Paul Estabrook.  
 WQJ, Chicago, Ill. (447.5m-670kc), 7-8 p. m., Rainbo Gardens orchestra; Wm. Mattei, baritone; Henry Weise, violinist; Sibyl Nichols, pianist; James H.

Murray, tenor. 10-2 a. m., Rainbo Gardens orchestra; Sophia Kasmir, soprano; Jerry Derr, tenor; Joe Warner, character songs; Joe Verges, pianist; Flo and Ray, harmony duo.  
 WREO, Lansing, Mich. (285.5m-1050kc), 6-7 p. m., dinner hour of music, Gold standard ensemble, Speed-wagon serenaders.  
 WRVA, Richmond, Va. (256.3m-1170kc), 8:45 p. m., hymns in song and story, Holland Wilkinson; 9:15, Hamilton M. Baskerville, organist; 10:15, Virginians.  
 WSW, Chicago, Ill. (275.8m-1090kc), 8-9 p. m., Zola Haynes, Georgia Gray, Henri Therrien, tenor, Terrace Garden orchestra; Eleanor Wendt, soprano; John Clark, baritone; 10-11, Jack Goodwin, Terrace Garden orchestra, Georgia Gray, Jimmy Mulaney, ballads; Flo and Ray, harmony; 12-1, Witching hour.  
 WTAM, Cleveland, Ohio. (389.4m-770kc), 6:15 p. m., Hotel Cleveland orchestra; 8, Public Auditorium program; 11, Jack Horwitz Collegian serenaders.  
 WTIC, Hartford, Conn. (475.9m-630kc), 7:30 p. m., Bill Jones Capitol theater orchestra; 8, Travelers Jongleurs and Unknown Troubadour; 9, Colt Park Municipal dance orchestra; 9:30, Hotel Bond dance orchestra.  
 WWJ, Detroit, Mich. (352.7m-850kc), 6 p. m., dinner concert; 7, WEAF; 7:30, Detroit News orchestra; 8, dance program; 8:30, Detroit News orchestra.

## Central Standard Time Stations

KFAB, Lincoln, Nehr. (340.7m-880kc), 8:30-10:30 p. m., Variety program.  
 KFNF, Shenandoah, Ia. (461.3m-650kc), 7 p. m., concert, Henry Field Seed company.  
 KMA, Shenandoah, Ia. (461.3m-650kc), 9-11 p. m., mixed musical program.  
 KTHS, Hot Springs National Park, Ark. (374.8m-800kc), 9:10-9:30 p. m., Meyer Davis stringed trio; 9:30-10, Clyde Foley, tenor; Meyer Davis ensemble.  
 KWCR, Cedar Rapids, Ia. (278m-1080kc), 4:15 p. m., musical hour, fashion talk by Denecke stores.  
 WAMD, Minneapolis, Minn. (244m-1230kc), 7:15 p. m., Liberty Four male quartet; Art Olsen, pianist.  
 WHAD, Milwaukee, Wis. (275.1m-1090kc), 6:10 p. m., organ recital; 8, Milwaukee Park Board band concert; 11:30, Wisconsin theater organ recital.  
 WHAS, Louisville, Ky. (399.8m-750kc), 7:30-8:10 p. m., U. of Louisville orchestra; 8:10-9, Honolulu serenaders.  
 WHO, Des Moines, Ia. (526m-570kc), 6-7 p. m., Bankers Life Little symphony orchestra; Myrtle Williams, soprano; 7-8 p. m., Hotel Fort Des Moines orchestra; 8-9:30, Four Horsemen male quartet; Kate Miller, whistler; 9:30-11, dance program.  
 WOS, Jefferson City, Mo. (440.9m-680kc), 8 p. m., address, George A. Pickens; 8:15, Gondoliers.  
 WSM, Nashville, Tenn. (282.8m-1060kc), 7 p. m., Andrew Jackson hotel trio; 8, studio program; 10, studio program.  
 WSOE, Milwaukee, Wis. (245.8m-1220kc), 8 p. m., Wisconsin Humane society.

## Mountain Standard Time Stations

KOA, Denver, Colo. (322.4m-930kc), 6:30 p. m., dinner concert, Brown Palace string orchestra; 7:30, Wynken, Blynyken and Nod time; 8, Scheuerman's Colorado orchestra; 8:15, Ohio society, greeting to Ohioans, Frank E. Bare.

## Pacific Standard Time Stations

CNRV, Vancouver, Can. (291m-1030kc), 10-11 p. m., Cabaret Belmont orchestra.  
 KFI, Los Angeles, Calif. (467m-642kc), 7 p. m., Westerlund trio; 7:30, Nick Harris detective story; 8-9, Program, California Petroleum corporation; 9-10, Dolores Mason, pianist; Geo. Finney, baritone; 10-11, Chas. Beauchamp, tenor and others.  
 KFVB, Hollywood, Calif. (252m-1190kc), 7-8 p. m., program, Corduroy Tire Stores, Inc.; 8-9, program, Music Arts building; 9-10, studio program; 10-11, Warner Brothers' irolic.  
 KCW, Portland, Ore. (491.5m-610kc), 6-7 p. m., dinner concert; 8-9, Western Auto Supply company.  
 KHJ, Los Angeles, Calif. (405.2m-740kc), 6:30-7:30 p. m., Uncle John and the children; 8-10, de luxe studio program; 10-11, Jerry Grant's Elbie dance orchestra.

KJR, Seattle, Wash. (384.4m-780kc), 6 p. m., Lincoln-Ford dealers; 7:30-8:30, Arcweld Mig. company; 10-11, Olympic Calpet refining company dance music.  
 KNX, Hollywood, Calif. (336.9m-890kc), 7-8 p. m., Studio feature program; 8-9, program, Security Trust and Savings bank; 9-10, El Sereno Country club program; 10-11, Edgewater club dance orchestra; 11-12, Ambassador hotel dance orchestra.

# Thursday, August 26

## Headliners Today

Atlantic	Eastern	Central	Mountain	Pacific
9	8	7	6	5
9:30	8:30	7:30	6:30	5:30
10:30	9:30	8:30	7:30	6:30
11:40	10:40	9:40	8:40	7:40

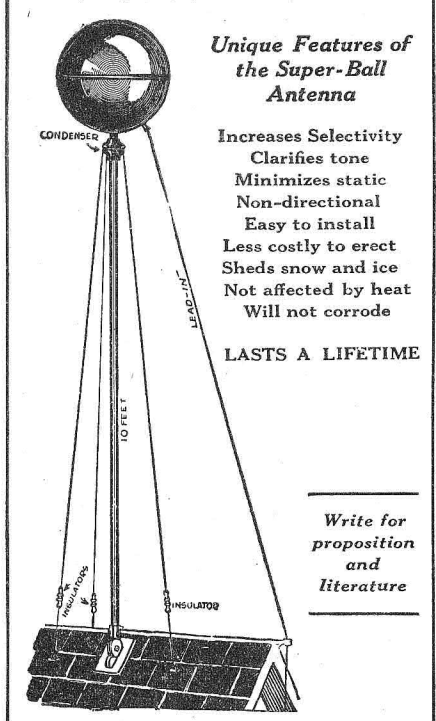
WMCA (340.7m-880kc), Paul Whiteman's Picadilly players.  
 WHAS (399.8m-750kc), Bobby Hulette's Blue Devils.  
 WCAU (277.6m-1080kc), Odd Fellows' male quartet.  
 WJAZ (447.5m-670kc), Sophia Kasmir.  
 WRVA (256m-1170kc), "Belle of Barcelona," Opera company.  
 WLW (422.3m-710kc), Irene Downing.

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

## Atlantic or Eastern Daylight Saving Time Stations

CKNC, Toronto, Can. (356.9m-840kc), 8 p. m., Charles E. Bodley and his dance orchestra; Battery Brothers; Elsie White, soprano.  
 WCAU, Philadelphia, Pa. (277.6m-1080kc), 6:30 p. m., Cathay orchestra; 7:30, Snellenburg symphony orchestra; 8, recital; 8:15, Josh Sandler's trio; 8:45, Getz Go-getters; 9, recital; 9:30, Musical Cheis; 9:45, Professor Doolittle; 10, recital; 10:30, Odd Fellows' male quartet.  
 WEAJ, New York, N. Y. (491.5m-610kc), 4-12 mid-night, tea music; mid-week hymn sing; Meyer Davis' Park Lane orchestra; Serenaders; concert orchestra; Cluquot Club Eskimos; Silvertown Cord orchestra; Greenwich Village Inn orchestra.  
 WFI, Philadelphia, Pa. (394.5m-760kc), 6:45 p. m., Adelphia Roof Garden orchestra; 8, The Serenaders; 8:30, orchestral concert; 9, Cluquot Club Eskimos; 10, Silvertown Cord orchestra.  
 WIP, Philadelphia, Pa. (508.2m-590kc), 6:05 p. m., Benjamin Franklin concert orchestra; 8, recital; 9, Hotel Traymore concert orchestra; 9:30, Hotel Ambassador concert orchestra; 10, Steeplechase Pier dance orchestra; 10:30, George Olson's dance orchestra; 11, Fry's dance orchestra; 11:30, Silver Slipper Supper Club dance orchestra; 12, organ recital, Jean Weiner.  
 WJZ, New York, N. Y. (454.3m-660kc), 7:05 p. m., Hotel Madison concert orchestra; 7:40, Judge, Jr.; 8, First National Presentation, WRC; 8:30, U. S. Marine Band, WRC, WGY, WBZ; 9:30, Royal Typewriter Salon orchestra, WRC, WGY; 10:30, The Fireside Boys, WRC, WBZ.  
 WMCA, New York, N. Y. (340.7m-880kc), 7 p. m., Monte Carlo by-the-Sea orchestra; 8, Roemer's Homers; 9, Solow soloists; 9:30, Columbia Park entertainers; 10, Shelburne Hotel orchestra; 10:30, Colonial Inn orchestra; 11, Ernie Golden and his Hotel McAlpin orchestra; 12 m., McAlpin entertainers.  
 WOR, Newark, N. J. (405.2m-740kc), 6:15 p. m., Jacques Jacobs' Hotel Shelton ensemble; 6:45, Bill Wathey, sports; 7, Jacques Jacobs' Hotel Shelton ensemble; 7:30, Oreste's Queensland orchestra; 8:15, Vanderbilt Hotel orchestra; 9, Arthur Fryor's band; 9:45, studio program; 10, Chateau Baltusrol orchestra.

## Super-Ball ANTENNA



**Unique Features of the Super-Ball Antenna**

- Increases Selectivity
- Clarifies tone
- Minimizes static
- Non-directional
- Easy to install
- Less costly to erect
- Sheds snow and ice
- Not affected by heat
- Will not corrode

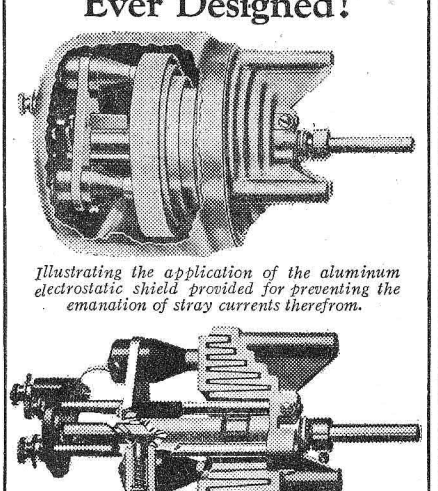
**LASTS A LIFETIME**

Write for proposition and literature

**YAHR-LANGE, Inc.**  
 National and International Distributors  
 207-215 E. Water St., Milwaukee, Wis.

## FURNELL

Conceded to Be the Most Practical Straight Line Frequency Condenser Ever Designed!



Illustrating the application of the aluminum electrostatic shield provided for preventing the emanation of stray currents therefrom.

The Furnell spaces the stations equally over 360 degrees of shaft movement, a complete rotation of the dial. No crowding of low wave length stations. No need for a vernier dial.

Radio experts praise the Furnell because it represents the finest condenser workmanship available today. Because it gives to radio reception a degree of tuning perfection heretofore unattainable.

**DUST PROOF. DAMAGE PROOF. ELECTRO-STATIC PROOF.**

The smooth operation of the shaft and slider affords a degree of accuracy and precision unattainable with the ordinary type of plate condenser.

**THE FURNELL MANUFACTURING CORPORATION**  
 24 Scott St., Newark, N. J., U. S. A.



**Constant Dependable B Power Direct from Your Light Socket is Now a Reality in Majestic Units**

The day of better radio reception is here. Improved tone quality, greater volume, and more reliable all-around service are now made possible by Majestic B Power Units. They attach direct to your light socket saving you constant bother and attention. No acids to spill. No "hum." Reliable, unvarying power at an average cost of about one-tenth cent an hour! Economical, powerful—lasts as long as any receiver. Fully guaranteed.

## Majestic B Current Supply

delivers pure direct current from your light socket

Their low purchase cost and the savings they bring to you make them an investment that soon is repaid. Don't delay—see your dealer at once or write for free literature.

**DEALERS:** If you are not yet equipped to get your share of the Majestic business, see your jobber or write direct giving us his name.

**New York Show** Booth No. 10, Section "B"  
**Chicago Show** Booth No. 6, Section "F"

**GRIGSBY-GRUNDS COMPANY**  
 4576 Armitage Ave., Chicago, Ill.

**Majestic Standard-B Current Supply**  
 Especially adapted for sets having not more than seven 201-A tubes, or six 201-A plus one 135-150 volt power tube. Popularly priced for the average set. Improves tone—better reception.  
 Price \$32.50  
 West of Rocky Mountains, \$35.00

**Majestic Super-B Current Supply**  
 Capacity 1 to 12 tubes, including the use of 135-150 volt power tubes. Complete with switch to control current from light socket. Price \$35.00  
 West of Rocky Mountains, \$37.50

**Majestic Master-B Current Supply**  
 Rating 60 mls at 150 volts. Particularly adapted for Radiola 25, 28 and 30 and super heterodynes. Will operate all power tubes, also the new super power tube UV-171 (180 volts). Unequaled for sets having a very heavy current draw.  
 Price \$42.50  
 West of Rocky Mountains, \$45.00

Thursday, August 26

Eastern Standard or Central Daylight Saving Time Stations

KYW, Chicago, Ill. (535.4m-560kc), 6 p. m., music hour, Chicago Evening American studio; 7, Twenty Minutes of Good Reading, Rev. C. J. Fernin; 7:30-8, music; 9:30, classical; 9:30-11, Congress carnival. WBAL, Baltimore, Md. (245.8m-1220kc), 6:30-7:30 p. m., WBAL dinner orchestra; 7:30-8, WBAL mixed quartet; 8-9, WBAL trio; 9-10, dance orchestra. WBMM, Chicago, Ill. (225.4m-1330kc), 5:15-6 p. m., recital, Eddie Hanson, organist; 8-9:30, Classical program; 9:30-10:15, moss covered melodies; 10:15-10:30, The Isaac Walton hour; 10:30-11:30, Vic Fredericks, baritone, Maurice Silverman, tenor and staff artists; 11:30-12, The Supper club. WGHF, Detroit, Mich. (270m-1110kc), 6 p. m., dinner concert from Hotel Tuller; 10-11, WGHF frolickers; 11-12, Skylark dance band and soloists. WGN, Chicago, Ill. (302.8m-990kc), at 15 p. m., Uncle Walt; 6:45, Drake concert ensemble; Blackstone string quintet; 8-9, WEAF; 10, Sam 'n' Henry; 10:10, Music Box; 10:20, WGN studio ensemble. WGY, Schenectady, N. Y. (379.5m-790kc), 6:45 p. m., Margaret Waterman, pianist; 7:30, WRC; 8:30, WJZ; 9:30, music; 10:30, Stephen E. Boisclair, organist. WHT, Chicago, Ill. (399.8m-750kc), 7-8:30 p. m., Al Carney, organist; 8:45 (238m-1260kc), Helen Rauh, organist; Stuart Dawson, poems; 10:30-11 (399.8m-750kc), Al Carney, organist; Billy Alan Huff, popular songs; Little Joe Warner, character songs; Al and Pat. WJBO, Chicago, Ill. (225.4m-1330kc), 6-8 p. m., dinner concert; 10-12, midnight jamboree. WJAZ, Chicago, Ill. (329.5m-910kc), 9-12 mid., Club Chez Pierre, Earl Hoffman's Chez Pierre orchestra; Henrietta Nolan, violinist; John Bennett Ham, baritone; Jacob Hannemann, pianist. WKRC, Cincinnati, Ohio (422.3m-710kc), 8 p. m., Swiss Garden frolic; 8:30, popular songs, Merrill Schwarz, Bert Lindsay, Kern Aylward, Abe Farb; 9, Ace Brigade and his fourteen Virginians. WLJB, Chicago, Ill. (302.8m-990kc), 7 p. m., Millionsing; 7:05, Old Fashioned Almanack; 7:15, dinner music; 11-11:20, Correll and Gosden; 11:20-1, Ambrose Larsen, organist; Drake hotel dance orchestra; Liberty studio ensemble. WLS, Chicago, Ill. (344.6m-870kc), 6:30 p. m., Al Melgard, organist; 7:20, Rose Sherman, violinist; Marie Ludwig, harpist; 7:30, Ralph Emerson, organist; 8:10, College Inn orchestra; 8:30, Donald F. Malin; 8:50, vocal music. WLW, Cincinnati, Ohio (422.3m-710kc), 7 p. m., Hotel Gibson orchestra; 10, Castle Farmers; 10:15, Al Kirschner, Pep Golden; 10:40, Irene Downing, Tommy Reynolds; 12:15, Crosley Sky Terriers. WMAQ, Chicago, Ill. (447.5m-670kc), 6:30 p. m., Jack Chapman's orchestra; 6:45, swimming lesson; 8, Jack Chapman's orchestra; 8:30, Maren Johansen, soprano; 9, Marion and Stella Roberts; 9:30, Jack Chapman's orchestra; 9:45, Burpan Homes. WQJ, Chicago, Ill. (447.5m-670kc), 7-8 p. m., Rainbo Gardens orchestra; Chester Newman, baritone, Lorena Anderson, soprano; Elbert Wheeler, operatic tenor; 10-2 a. m., Rainbo Gardens orchestra; Sylvian four; Harry Geise, song and piano; Little Marie Wright, soprano; Goldie Gordon, violinist; Bessie Sachs, accompanist. WREO, Lansing, Mich. (285.5m-1050kc), 6-7 p. m., dinner hour of music, Speed-wagon serenaders, Gold Standard ensemble; 8:15-9:45, WREO Concert orchestra and vocal solos. WRVA, Richmond, Va. (256.3m-1170kc), 8:45 p. m., chimes; 9, Highland Park orchestra; 10, "Belle of Barcelona," Opera company. WWSW, Chicago, Ill. (275.8m-1090kc), 7 p. m., Henri Therrien, Oscar Heather, tenor; Terrace Garden orchestra, Leola Aikman, Georgia Gray, Zola Haynes, pianist; 10 p. m., John Clark production, The Beach at Waikiki; 11, Terrace Garden orchestra, Kenneth Clark, Hawaiian quartet, Hallelujah Boys, Billy Schaefer, Ruby Winter, Ruby Rossina, Hugh Aspinwall, 12-1, Witching hour.

WTAM, Cleveland, Ohio (389.4m-770kc), 6 p. m., Hollenden Hotel orchestra; 7:30, New York studio orchestra; 8, Cliquot Club Eskimos from WEAF; 9, studio program; 11, Emerson Gill and his Bamboo Garden orchestra. WTIC, Hartford, Conn. (475.9m-630kc), 7:30 p. m., Jones-Jackson duo; 8, For-an-to Melody Makers; Manchester male quartet; 9, Colt Park Municipal dance orchestra; 9:30, Hotel Bond dance orchestra. WWJ, Detroit, Mich. (352.7m-850kc), 6 p. m., dinner concert; 7, WEAF.

Central Standard Time Stations

CKY, Winnipeg, Can. (384.4m-780kc), 9-10 p. m., John Harper and his orchestra. KFNF, Shenandoah, Ia. (461.3m-650kc), 7 p. m., mixed program. KLDS, Independence, Mo. (440.9m-680kc), 8 p. m., Josephine Jirak, contralto; Edith Willis, pianist; Alfred Boyington, violinist; Alvah Boyington, accompanist. KOIL, Council Bluffs, Iowa (305.9m-980kc), 6 p. m., Jamieson Oil duo; 7, program, G. H. Nelson Paint company; 8, Marjorie Beckett Burns. KTHS, Hot Springs National Park, Ark. (374.8m-800kc), 9:10-9:45 p. m., classical concert; 9:45-10, Lawson Reid, organist. WBAP, Fort Worth, Tex. (475.9m-630kc), 7:30-8:30 p. m., Trinity Park. WFAA, Dallas, Tex. (475.9m-630kc), 6:30-7:30 p. m., Jimmy Joy's Baker hotel orchestra; 8:30-9:30, Wednesday Morning choral club recital. WHAD, Milwaukee, Wis. (275.1m-1090kc), 6:10 p. m., dinner hour program; 8:30, classical studio program; 10:30, dance orchestra. WHAS, Louisville, Ky. (399.8m-750kc), 7:30-9 p. m., Bobby Hulet's "Blue Devils". WHO, Des Moines, Ia. (526m-570kc), 7:30-8 p. m., Younker tea-room orchestra; 8-9, Bankers' Lile trio; Stewart Watson, baritone. WMC, Memphis, Tenn. (499.7m-600kc), 8:30 p. m., Cooper's Hawaiians. WOAW, Omaha, Nebr. (526m-570kc), 6:50 p. m., orchestra; 9, classical. WSOE, Milwaukee, Wis. (245.8m-1220kc), 8 p. m., Bible class; 9, old fashioned musicale.

Mountain Standard Time Stations

CNRC, Calgary, Can. (435.8m-688kc), 9:30 p. m., Little Symphony orchestra. KOA, Denver, Colo. (322.4m-930kc), 6:30 p. m., Brown Palace string orchestra.

Pacific Standard Time Stations

CNRY, Vancouver, Can. (291m-1030kc), 10-11 p. m., Cabaret Belmont orchestra. KFI, Los Angeles, Calif. (467m-642kc), 7-8 p. m., Radio Boys' orchestra; Geo. O'Hara, soloist; 8-9,

KFI drama hour; 9-10, Chas. Dimond, steel guitar; 10-11, Patrick-Marsh dance orchestra, Betty Patrick, soloist. KFWB, Hollywood, Calif. (252m-1190kc), 8-9 p. m., program, McGavin Bros. Bakeries; 9-10, program, Chapman's Ice Creams; 10-11, Warner Brothers' frolic. KHJ, Los Angeles, Calif. (405.2m-740kc), 6:30-7:30 p. m., Uncle John and the children; 8-10, Zoelner string quartet; Harriet Andrews, soprano; 10-11, Heffner's Sunyland Seven dance orchestra. KNX, Hollywood, Calif. (336.9m-890kc), 7-8 p. m., Carthy Circle theater organ; 8-9, program, Rigali and Veselich; 9-10, studio program; 10-11, Edgewater club dance orchestra; 11-12, Ambassador hotel dance orchestra. KPSN, Pasadena, Calif. (315.6m-950kc), 8-9 p. m., musical program arranged by Alhambra Masonic Lodge No. 322.

Friday, August 27

Headliners Today

Table with columns: Atlantic, Eastern, Central, Mountain, Pacific. Rows include stations like KMA, KOA, WLS, WMC, CNRV, CNRT, WRVA, KMA, KOA, WLS, WMC, CNRV, CNRT, WRVA, KMA, KOA, WLS, WMC, CNRV, CNRT, WRVA.

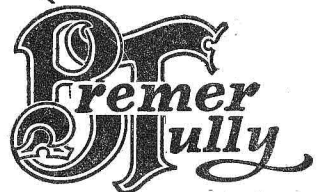
For stations silent tonight refer to first Friday's list.

Atlantic or Eastern Daylight Saving Time Stations

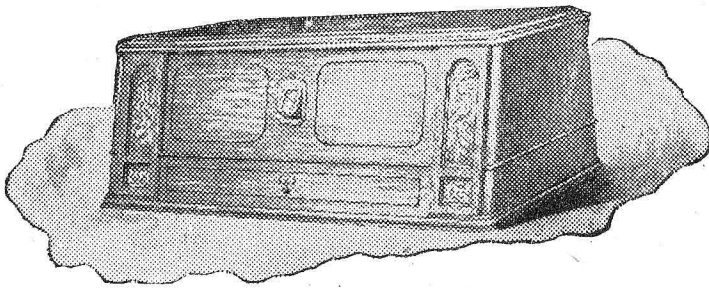
CNRA, Moncton, Can. (322.4m-930kc), 9 p. m., Moncton Firemen's band; 11, orchestra. WCAU, Philadelphia, Pa. (277.6m-1080kc), 7:30, Snellenburg recital; 8, Barry O'Moore, Irish tenor; 8:30,

Singing Groundhog; 8:45, Miss Bambl, accordionist; 9, Regina Crooners; 9:15, N Four; 9:45, Willie Pierce, popular song; Myers' Musical Architects. WEAF, New York, N. Y. (491.5m-610kc) night; Nora Donar, actress; May, Singh, host; Peter De Rose, pianist; The Vandercrook; "La France orchestra; WJY Persians; Jack Albin and his Hotel chestra; Pelham Heath Inn orchestra. WEBJ, New York, N. Y. (272.6m-1100kc), Blue Bell serenaders; 7:30 p. m., Luna bocker Grill orchestra; 8:00 p. m., Billy L. pering serenader; 8:15 p. m., Floyd's duo; 9, m., Luna's Marine band. WIP, Philadelphia, Pa. (508.2m-590kc), 6:05 p. m., Benjamin Franklin concert orchestra; 7, Uncle Wip's bedtime stories. WJZ, New York, N. Y. (454.3m-660kc), 7:05 p. m., Geo. Olsen's Hotel Pennsylvania orchestra; 8, West Point Thayer Hotel program; 9, Sundial Shoe serenaders; Bonnie Laddies; 10, Baldwin hour; 11, Hotel Bellelaire Tower orchestra. WLIT, Philadelphia, Pa. (394.5m-760kc), 8 p. m., Arcadia cafe concert orchestra; 8:15, Pioneer Storage Battery entertainers; 9, Schickler artists; 10, Morning Glory club concert; 10:30, Rufus and Rastus; 11, Freshman Masterpiece Hour of Music. WMAK, Buffalo, N. Y. (265.3m-1330kc), 7:30-8:15 p. m., WGY orchestra; 8:15-10:30, WGY players. WMCA, New York, N. Y. (340.7m-880kc), 6:30 p. m., Ernie Golden and his Hotel McAlpin orchestra; 7:30, Monte Carlo by-the-Sea orchestra; 8, Midland Beach orchestra; 9, Paul Whiteman's Picadilly players; 9:30, Klein's Serenading Shoemakers; 10, Colonial Inn orchestra; 11, Jack Denny's orchestra; 11:30, Club Brighton orchestra; 12 m., McAlpin entertainers. WNYC, New York, N. Y. (526m-570kc), 6 p. m., piano selections; 6:20, piano selections; 8, songs; 8:20, instrumental program; 9, piano selections; 9:30, instrumental program. WOR, Newark, N. J. (405.2m-740kc), 6:20 p. m., Bill Wathey, sports; 6:35, Hotel Bretton hall string quartet; 7:30, Crystal Palace orchestra; 8:30, Donald H. Baker, organ recital; 10:15, Ritz-Carlton dance orchestra. WOO, Philadelphia, Pa. (508.2m-590kc), 7:30 p. m., Ritz-Carlton orchestra; 8, recital; 9, WEAF; 10:30, Sam Brown's dance orchestra. Eastern Standard or Central Daylight Saving Time Stations KYW, Chicago, Ill. (535.4m-560kc), 6 p. m., dinner music; 6, Chicago Evening American; 7, Federal Master artists; 9:30-11, Congress carnival.

Are You Thrill-Proof?



Have you reached the point where distance, selectivity and tone no longer thrill you? Then listen to a demonstration of the new COUNTERPHASE-EIGHT.



You cannot learn about all the features in an ad like this, but write today for special circulars and get the whole story, or arrange with an authorized dealer for a demonstration.

Why Take a Chance?

There is no guess-work with the B-T B-Power Unit. At all times the voltage delivered is known. There are no variable resistances—no knobs to turn or adjust. Simply insert the fixed resistors as shown on chart for the number and type tubes used.

There is no radio product in which the user must place more confidence in the ability and fairness of the manufacturer than in a B-Eliminator. Why take a chance?

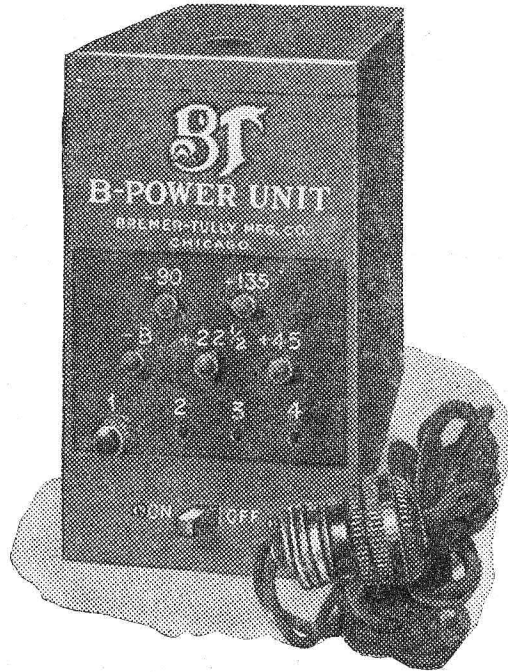
If you are thinking of investing in a better Radio Receiver or improving your equipment by the addition

of a dependable B-Power Unit, you will be amply repaid for reading the 10th edition "Better Tuning"—Sent postpaid on receipt of 10c in stamps or coin.

You, too, will marvel at its performance. The new cabinet design is strikingly different—it is an exclusive B-T possession.

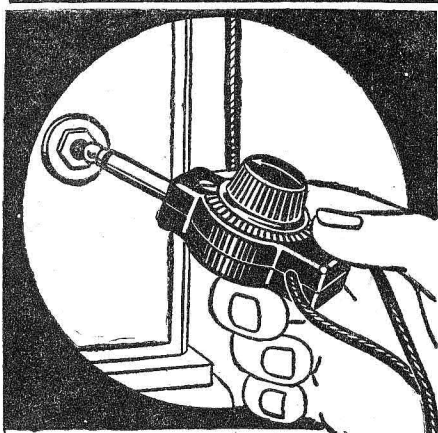
You will find selectivity never before equalled even in B-T Receivers. Those who know the record of the Nameless and Counterphase realize what that means.

There is no manual oscillation control, yet this set cannot be made to oscillate or reradiate—and it's "hot" all the way across the scale.



PRICE \$49.50

Complete with Raytheon Tube



Brings Your Set Up To Date

THE only real advance claimed by the makers of this year's best sets is improvement in tone performance. This improvement can be made in your present set by simply adding the Centralab Modu-Plug. This modernizing device makes your reception equal in tone performance to that of the latest high-priced receivers.

Modu-Plug is warranted by Central Radio Laboratories, makers of variable resistances for sixty-nine manufacturers of leading standard sets.

Centralab Modu-Plug replaces the loud speaker plug. Gives any degree of tone volume from a whisper to maximum by simply turning the small knob on the plug, without adjustments of other controls. Modu-Plug matches the speaker impedance to the output impedance of the set. Reduces interfering noises. Clarity and faithful reproduction equal the latest developments in perfected performance.

\$2.50 at your dealer's or retail direct on receipt of price.

Central Radio Laboratories 12 Keefe Ave. Milwaukee, Wis.



Manufacturing Co. 520-532 SO. CANAL ST. Chicago, Ill.

**Friday, August 27**  
(Cont.)

fact, I believe, more, Md. (245.5m-1220kc), 6:30-7 p. m., bonds yourseinner orchestra; 7:30-8, WBAL Jubilee this letter!" 8-9, musical program; 9-10, City Park or-  
Tellyhew Chicago, Ill. (225.4m-1330kc), 5:15-6 p. m., but after a fanson, organist; 9-10, Harmony Time and as he in artists.  
"What's Clearwater, Fla. (265.3m-1130kc), 8:30-10 m., Frederick Hubbard, organist; Mrs. Ethel sta. Morand Weber, soprano; Mrs. Maude Sheridan, con-  
tralto; Mrs. F. S. Barrett, violinist.  
WGHP, Detroit, Mich. (270m-1110kc), 6 p. m., dinner concert from Hotel Tuller; 10-11, WGHP enter-  
tainers; 11-12, Skylark dance band and soloists.  
WGN, Chicago, Ill. (302.8m-990kc), 6:15 p. m., Uncle Walt; 6:45, Drake concert ensemble, Blackstone string quintet; 7, Million sing; 7:05, Old Fashioned Almanack; 7:15, Paul Ash; 9, music; 9, WEAF; 9:30, Phantom Violin; 10, Sam n Henry; 10:10, Music Box; 10:22, WGN studio ensemble.  
WGY, Schenectady, N. Y. (379.5m-790kc), 6:35 p. m., WGY; 6:45, Remington typewriter band; 7:45, Gains and Gains Jr., WGY players; 9, WJZ; 10, dance program.  
WHT, Chicago, Ill. (399.8m-750kc), 7-8:30 p. m., Al Carney, organist; Pat Barnes; 8:45-10:15 (238m-1260kc), Helen Rauh, organist; Stuart Dawson, poems; 10-11 (399.8m-750kc), Al Carney, organist; Rita McFaun, soprano; Oscar Heather, tenor; Rita McFaun, soprano; Al and Pat.  
WIBO, Chicago, Ill. (225.4m-1330kc), 6-8 p. m., early evening musical; 10-12, popular program.  
WJAZ, Chicago, Ill. (329.5m-910kc), 9-12 mid., Club Chez Pierre, Earl Hoffman's Chez Pierre orchestra; The Quips that Pass in the Night; Dallas Decker, tenor; Irene Meinke, pianist; Chez Pierre Hawaiian quartet.  
WLIB, Chicago, Ill. (302.8m-990kc), 11 p. m., songs, Correll and Gosden; 11:20-1, Ambrose Larsen, organist; Drake hotel dance orchestra; Liberty studio ensemble.  
WLS, Chicago, Ill. (344.6m-870kc), 6:30 p. m., Al Melgard, organist; 7:20, Rose Sherman, violinist; Marie Ludwig, harpist; 7:30, Ralph Emerson, organist; 8:30, College Inn orchestra; 9:30, Little Symphony of Chicago; 10:30, Medicine show; 11, Ralph Emerson, organist.  
WMAQ, Chicago, Ill. (447.5m-670kc), 6 p. m., Chicago theater organ; 8, George Simons, tenor; 8:30, Whitney trio; 9, Emerson Abernethy, baritone; 9:30, Olga Sandor, pianist.  
WOOD, Grand Rapids, Mich. (241.8m-1240kc), Van Wyck's instrumental quartet; 10:10, Ramona Radio revelry.  
WQJ, Chicago, Ill. (447.5m-670kc), 7-8 p. m., Rainbo Gardens orchestra; R. G. Ball, baritone; Crystal Eaton Taylor, soprano; Henrietta Nolan, violinist; 10-2 a. m., Rainbo Gardens orchestra; Lauretta Giles, soprano; Dr. H. Lucille Long, harmonica; Harry Brooker, baritone; Frank Blasco, the boy tenor.  
WROE, Lansing, Mich. (285.5m-1050kc), 6-7 p. m., dinner hour of music, Gold standard ensemble, Speed-wagon serenaders.  
WRVA, Richmond, Va. (256.3m-1170kc), 8:15 p. m., cello and piano recital; 8:45, chimes; 9, songs and stories of England, Ireland, France; 10, Golden Gate syncopators.  
WSWS, Chicago, Ill. (275.8m-1090kc), 8-9 p. m., Terrace Garden orchestra, Henri Therrien, tenor; Matthews sisters, Carol Schaas, pianist; John Clark, baritone; Georgia Gray, violinist; 10-11, Georgia Gray, Sis Pierson, ballads; Hugh Boutay, blues; Zola Haynes, pianist.  
WTAM, Cleveland, Ohio (389.4m-770kc), 6:30, Emerson Gill and his Bamboo Garden orchestra; 8, Frank R. Wilson's Euclid Beach Park orchestra; 9, Whittall's Anglo-Persians from WEAF; 9:30, studio program; 11, Jack Horwitz Collegian serenaders from Far East restaurant.

WTIC, Hartford, Conn. (475.9m-630kc), 7 p. m., Laura C. Gaudet, pianist; 7:15, Fiddle on Bee; 7:30, Pete Radican's dance orchestra; 9, Harold Doyle, violinist; 9:30, WTIC's mail bag; 9:45, Debutants.  
WWJ, Detroit, Mich. (352.7m-850kc), 6 p. m., dinner concert; 8, Detroit News orchestra; 9, WEAF.

**Central Standard Time Stations**

KFAB, Lincoln, Nebr. (340.7m-880kc), 8:30-10:30 p. m., Cowbell boys, violin and guitar; Beck's orchestra.  
KFNF, Shenandoah, Ia. (461.3m-650kc), 7 p. m., Sunday School lesson; 7:30, program, Lufe Corbin.  
KMA, Shenandoah, Ia. (461.3m-650kc), 9-11 p. m., Essex Ia. band.  
KOIL, Council Bluffs, Iowa (305.9m-980kc), 6 p. m., Oakland-Pontiac orchestra; 8:30, Dresher Brothers program.  
KTHS, Hot Springs National Park, Ark. (374.8m-800kc), 9:10-9:30 p. m., Ray Mullins orchestra; 9:30-10, New Arlington hotel orchestra.  
KWCR, Cedar Rapids, Ia. (278m-1080kc), 4:15 p. m., musical hour and fashion talk by Denecke stores.  
WAMD, Minneapolis, Minn. (244m-1230kc), 7:15 p. m., Hulda Johnson, contralto; Etta Landry, pianist; Tirzah Ferguson, violinist; 10, Skyrocket Polle.  
WBAI, Fort Worth, Tex. (475.9m-630kc), 7:30-8:30 p. m., Panther Hawaiian trio; 9:40-11, Artie Collins' dance orchestra.  
WFAA, Dallas, Tex. (475.9m-630kc), 6:30-7:30 p. m., Blue Devils orchestra; 8:30-9:30, Frank Renard club.  
WGBF, Evansville, Ind. (236m-1270kc), 7 p. m., A. L. Maxwell Company "Lincoln and Ford orchestra."  
WHAD, Milwaukee, Wis. (275.1m-1090kc), 6:10 p. m., Wisconsin theater organ recital, Arthur Richter.  
WHAS, Louisville, Ky. (399.8m-750kc), 7:30-9 p. m., operatic ensemble, Greater Louisville Savings and Building association.  
WHO, Des Moines, Ia. (526m-570kc), 7:30-8 p. m., Philbeck and his Younker tea-room orchestra; 8-9, Robert Parker, cellist; Mrs. Robert Evans, soprano; June Bartlett, pianist.  
WMC, Memphis, Tenn. (499.7m-600kc), 8:30 p. m., Hotel Gayoso orchestra; 11, Midnight frolic, "Diana 8" orchestra.  
WOAW, Omaha, Nebr. (526m-570kc), 6 p. m., music review; 6:50, orchestra; 9, classical.  
WOS, Jefferson City, Mo. (440.5m-880kc), 8 p. m., Missouri roads, O. J. Steele; 8:05, "The Science and Art of Farming," Samuel M. Jordan; 8:20, Chic Scoggin, WOS male quartet.  
WSM, Nashville, Tenn. (282.8m-1060kc), 7 p. m., Andrew Jackson hotel trio; 8, Mrs. Eva Thompson Jones, contralto; Mrs. Herman Myatt, soprano; Eleanor Grey Horn, pianist; 10, Mrs. Frances Gray Letwith, soprano; Sam Woolwine, Jr., baritone; 10:30, F. Arthur Henkel, organist.  
WSOE, Milwaukee, Wis. (245.8m-1220kc), 9 p. m., Candygram review.

**Mountain Standard Time Stations**

KOA, Denver, Colo. (322.4m-930kc), 6:30 p. m., Brown Palace string orchestra; 8, open-air concert, Denver municipal band.

**Pacific Standard Time Stations**

CNRV, Vancouver, Can. (291m-1030kc), 9 p. m., Walton trio, Helen Prestwich, contralto; Mrs. W. E. Green, soprano; Alice Wilma Metz, violinist; 10:30, Cabaret Belmont orchestra.  
KFI, Los Angeles, Calif. (467m-642kc), 7-8 p. m., program of popular songs by Lou Parker; 8-9, Aeolian organ; 9-10, Golden Hour trio; 10-11, Packard ballad hour.  
KFWB, Hollywood, Calif. (252m-1190kc), 7-8 p. m., program, Bert Farrar, Inc.; 8-9, program, John Wright, The Right Tailor; 9-10, studio program; 10-11, Warner Brothers frolic.  
KHJ, Los Angeles, Calif. (405.2m-740kc), 6:30-7:30 p. m., Uncle John and the children; 8-10 p. m., Edison Record Shop ensemble; Grace Currey, harpist.  
KNX, Hollywood, Calif. (336.9m-890kc), 7-8 p. m., Lotus Land Co. program; 8-9, program, Frank Meine company; 9-10, Optimistic Donuts; 10-11, program, Dickenson and Gillespie; 11-12, Ambassador hotel dance orchestra.

**Saturday, August 28**

**Headliners Today**

Atlantic	Eastern	Central	Mountain	Pacific
8:25	7:25	6:25	5:25	4:25
WJZ (454.3m-660kc), WRC (468.5m-640kc), Stadium Philharmonic concert.	WGY (379.5m-790kc)	WGYY (379.5m-790kc)	WGYY (379.5m-790kc)	WGYY (379.5m-790kc)
8:30	7:30	6:30	5:30	4:30
WWJ (352.7m-850kc), Goldman Band concert.	WJZ (454.3m-660kc)	WGYY (379.5m-790kc)	WGYY (379.5m-790kc)	WGYY (379.5m-790kc)
9	8	7	6	5
WLW (422.3m-710kc), Sekatary Hawkins club.	WJZ (454.3m-660kc)	WGYY (379.5m-790kc)	WGYY (379.5m-790kc)	WGYY (379.5m-790kc)
9:30	8:30	7:30	6:30	5:30
WGN (302.8m-990kc), Correll and Gosden, songs.	WJZ (454.3m-660kc)	WGYY (379.5m-790kc)	WGYY (379.5m-790kc)	WGYY (379.5m-790kc)
10	9	8	7	6
WTAM (389.4m-770kc), Studio vaudeville program.	WJZ (454.3m-660kc)	WGYY (379.5m-790kc)	WGYY (379.5m-790kc)	WGYY (379.5m-790kc)
11	10	9	8	7
WREO (285.5m-1050kc), Speed-Wagon enter-tainers.	WJZ (454.3m-660kc)	WGYY (379.5m-790kc)	WGYY (379.5m-790kc)	WGYY (379.5m-790kc)
12	11	10	9	8
KFAB (340.7m-880kc), Mike Kopac, pianist.	WJZ (454.3m-660kc)	WGYY (379.5m-790kc)	WGYY (379.5m-790kc)	WGYY (379.5m-790kc)
3	2	1	12	11
KFI (467m-642kc), KFI midnight frolic.	WJZ (454.3m-660kc)	WGYY (379.5m-790kc)	WGYY (379.5m-790kc)	WGYY (379.5m-790kc)

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

**Atlantic or Eastern Daylight Saving Time Stations**

CFCA, Toronto, Can. (356.9m-840kc), 9 p. m., CFCA's summer orchestra.  
CNRO, Ottawa, Can. (434.5m-690kc), 8 p. m., Chateau Laurier concert orchestra; 9, dance program.  
WEAF, New York, N. Y. (491.5m-610kc), 4-12 mid-night, Elmer Grosso and his orchestra; Greenwich Village Inn orchestra; Ben Bernie's Hotel Roosevelt orchestra; Rolfe's Palais D'Or orchestra.  
WIP, Philadelphia, Pa. (508.2m-590kc), 6:05 p. m., Benjamin Franklin concert orchestra; 7, Uncle Wip's bedtime stories; 8, sports corner, Dr. Francois D'Eliscu; 8:15, recital, Marine studio; 8:30, Hotel Shelburne orchestra; 9:30, Million Dollar Pier Min-strels; 10:15, George Olson's orchestra; 10:45, Ted Weem's dance orchestra; 11:15, Wheeler Wadsworth orchestra.  
WJZ, New York, N. Y. (454.3m-660kc), 7:05 p. m., Waldorf Astoria roof orchestra; 8:25, Stadium Phil-harmonic concert, WRC, WGY; 10:30, Hotel Astor roof orchestra.  
WMCA, New York, N. Y. (340.7m-880kc), 7 p. m., Tappen's orchestra; 7:30, Monte Carlo by-the-Sea orchestra; 11, Ernie Golden and his Hotel McAlpin orchestra; 12 m., McAlpin entertainers.

**Eastern Standard or Central Daylight Saving Time Stations**

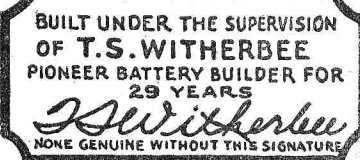
PWX, Havana, Cuba (399.8m-750kc), 8:30-11 p. m., Cuban concert.  
KYW, Chicago, Ill. (535.4m-560kc), 6 p. m., Chicago Evening American; 7, musicale; 8, Commonwealth Edison company program; 9:30-11, Congress carnival.

**GENUINE WITHERBEE PRODUCTS**

Including the well known WITHERBEE RADIO BATTERIES, are guaranteed by the manufacturer to be full capacity as shown on name plates. Witherbee heavy duty, thick Radio plates, and terminals of non-corrosive metal insure steady noiseless service and long life.

**AND NOW!**  
**WITHERBEE DRY "B" BATTERIES in all sizes.**  
**COMING Sept. 15th—**  
**WITHERBEE "A" POWER UNIT ample capacity for all sets—fully automatic.**

**T. S. WITHERBEE CO.**  
Sole Manufacturers  
**WITHERBEE RADIO BATTERIES**  
738 10th Ave., New York

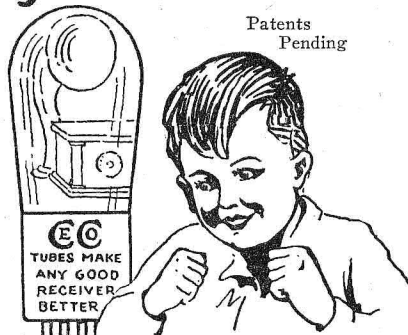


See us at the New York Radio Show Sept. 13th to 18th  
**"BUY BATTERY CAPACITY"**

**At the Radio Shows— See EC—the Tube of LONG LIFE**

Looks like any other tube on the outside, BUT the care, the scientific skill, the "know how" built into the INSIDE makes CECO different—superior as detectors, as amplifiers. Repeated testing at every stage of manufacture insures the quality of every CECO tube.

When you buy tubes for your set practice true economy—buy the Best.



**Two New, Wonderful Tube Developments**

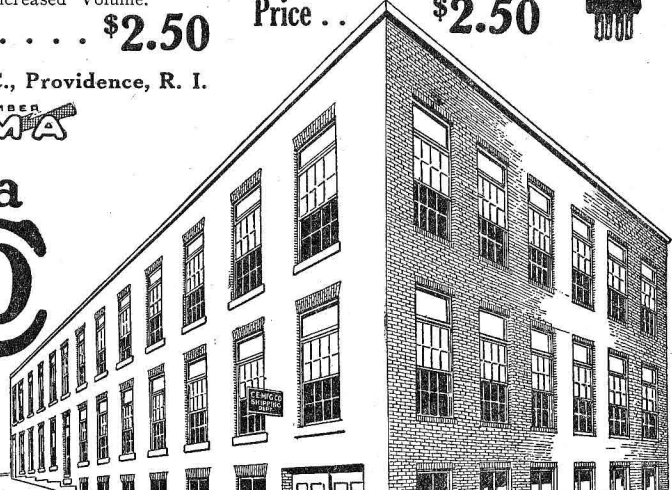
**TYPE "G" HIGH MUTUAL**  
For Impedance or Resistance Coupled Receivers  
Fil. V .....5.0  
Fil. Amp. ....0.25  
Plate Volts .....90-180  
Gives Clearer Reproduction With Increased Volume.  
**Price . . . . \$2.50**

**TYPE "H" SPECIAL DETECTOR RATING**  
Fil. V .....5.0  
Fil. Amp. ....0.25  
Plate Volts .....45-90  
Improves Reception Especially, on DX or Distant Stations.  
**Price . . . . \$2.50**

C. E. MFG. CO., INC., Providence, R. I.



There's a **CECO** TUBE for every radio need



The New CECO Plant Located at Providence, Rhode Island - The Largest in the World Devoted Entirely to Radio Tube Manufacture

**JEWELL**

No. 15-C

**THE Most Beautiful—PORTABLE RADIO VOLTMETER**

obtainable. It is enclosed in a polished black bakelite case and incorporates an extremely accurate and reliable movement designed for all around radio voltage check purposes. A, B and C battery voltage can be quickly determined with this instrument which is furnished with a set of flexible leads for test connection. Zero adjuster is provided.

[ SEND FOR NEW RADIO INSTRUMENT CATALOG No. 15-C ]

**JEWELL ELECTRICAL INSTRUMENT CO.**  
1650 Walnut Street - CHICAGO  
"26 Years Making Good Instruments"



**Saturday, August 28**

**WBBM, Chicago, Ill. (225.4m-1330kc), 5:15-6 p. m.**, Eddie Hanson, organist; 8:30, Harmony time and staff artists; 9:30-10, moss-covered melodies; 10:11-30, Variety hour, staff artists; 11:30-12:30, supper club; 12:30-2 a. m., Pacific Coast special.

**WGN, Chicago, Ill. (302.5m-990kc), 6:15 p. m.**, Uncle Walt; 6:35-7, Drake concert ensemble; Blackstone string quintet; 8, Auld Sandy; 8:10, Drake concert ensemble; 8:20, Correll and Gosden; 8:30-9, musicale; 9:30, light opera period; 9:30-10, musicale; 10, features.

**WGY, Schenectady, N. Y. (379.5m-790kc), 6 p. m.**, Onondaga hotel orchestra; 6:30, Shea's Buffalo hour; 7:25, WJZ; 9:30, dance program, Syracuse hotel.

**WHT, Chicago, Ill. (399.8m-750kc), 7:45-8:30 p. m.**, Al Carney, organist; Eleanor Gilmour, soprano; 8:45-10:15 (238m-1260kc), Helen Rauh, organist; Stuart Dawson, poems; 10:30-1 (399.8m-750kc), Pat Barnes, Al Carney; John Norton, harmonica soloist; Al and Pat.

**WKRC, Cincinnati, Ohio (422.3m-710kc), 10 p. m.**, Swiss Garden frolic; 11, Sam Jones, Columbia record artist; 11:15, Ace Brigode's Virginians.

**WLIB, Chicago, Ill. (302.8m-990kc), 7 p. m.**, Million sing; 7:05-7:15, Old-Fashioned Almanack; 7:15, dinner music; 7:30-8, Drake concert ensemble; Pattison Coates, baritone; 11-11:20, Correll and Gosden; 11:20, Ambrose Larsen, organist; Drake hotel dance orchestra; Liberty studio ensemble.

**WLS, Chicago, Ill. (344.6m-870kc), 6:30 p. m.**, Al Melgard, organist; 7:15, barn dance.

**WLW, Cincinnati, Ohio (422.3m-710kc), 7 p. m.**, Johanna Grosse, organist; 8, meeting, Sekatary Hawkins club; 8:30, Apollo club quartet; 9, Castle Farmers.

**WMAQ, Chicago, Ill. (447.5m-670kc), 6 p. m.**, Chicago theater organ; 6:30, Jack Chapman's orchestra; 8:15, Daw and Pratt; 9, Chicago theater weekly Radio revue.

**WREO, Lansing, Mich. (285.5m-1050kc), 6-7 p. m.**, dinner hour of music, Speed-Wagon serenaders, Gold Standard ensemble; 10-12, special program, Speed-Wagon serenaders.

**WSAI, Cincinnati, Ohio (325.9m-920kc), 8 p. m.**, chimes; 8:15, news; 8:30, Bicycle Playing Card sextet; 9:30, Lelia Le Mar.

**WTAM, Cleveland, Ohio (389.4m-770kc), 6:15 p. m.**, Hotel Cleveland orchestra; 7:30, studio program; 8, Hollenden hotel orchestra; 9, vaudeville program from studio, Ev Jones' merrymakers and assisting entertainers.

**WWJ, Detroit, Mich. (352.7m-850kc), 7:30 p. m.**, Goldman band concert.

**Central Standard Time Stations**

**KFAB, Lincoln, Nebr. (340.7m-880kc), 8:30-10:30 p. m.**, Harmony boys, vocal and piano; Little Symphony orchestra; Mike Kopac, king of the ivories.

**KFNF, Shenandoah, Iowa (461.3m-650kc), 7 p. m.**, mixed program; 11, old-time music.

**KMA, Shenandoah, Iowa (461.3m-650kc), 9-11 p. m.**, Ye Olde Tyme Gang.

**KOIL, Council Bluffs, Iowa (305.9m-980kc), 7:30 p. m.**, Mona Motor Oil entertainers; 11, orchestra.

**KTHS, Hot Springs National Park, Ark. (374.8m-800kc), 9:10-9:40 p. m.**, Meyer Davis orchestra; 9:40-10, old-fashioned favorites, Lawson Reid.

**WBAP, Fort Worth, Texas (475.9m-630kc), 8-8:30 p. m.**, Vesper trio; 9:30-11, Broward's symphony orchestra.

**WFAA, Dallas, Texas (475.9m-630kc), 6:30-7:30 p. m.**, Jimmy Joy's Baker hotel orchestra; 8:30-9:30, Willard B. Muse, tenor; Ruth Muse, contralto; Lola Parrino, pianist; 11-12, Jack Gardner's Adolphus hotel orchestra.

**WHAS, Louisville, Ky. (399.8m-750kc), 7:30-9 p. m.**, Louisville Music and Radio company.

**WMC, Memphis, Tenn. (499.7m-600kc), 8:30 p. m.**, Walter Moore.

**WOAW, Omaha, Nebr. (526m-570kc), 6:50 p. m.**, orchestra; 7:30, Creighton educational period; 9, Omaha Printing company; 10, organ jubilee, Elks' club.

**WSM, Nashville, Tenn. (282.8m-1060kc), 7 p. m.**, Andrew Jackson hotel trio; 8, barn dance.

**Pacific Standard Time Stations**

**KFI, Los Angeles, Calif. (467m-642kc), 7-8 p. m.**, Billy Cox and his orchestra; 8-9, Angelus string quartet; 9-10, program, Associated Packard dealers of California; also broadcast by KPO; 10-11, Packard Radio club; 11-2 a. m., KFI midnight frolic.

**KFWB, Hollywood, Calif. (252m-1190kc), 8-9 p. m.**, Bill Hatch and his orchestra, June Parkers, blues singer; 9-11 Warner brothers frolic.

**Sunday, August 29**

**Headliners Today**

Atlantic	Eastern	Central	Mountain	Pacific
4	3	2	1	12
WLW (422.3m-710kc), Municipal band concert.	5:15	4:15	3:15	2:15
WHAD (275m-1090kc), Milwaukee Park Board band concert.	9:30	8:30	7:30	6:30
KOIL (305.9m-980kc), Charlestonians.	11	10	9	8
KPO (467m-640kc), Jim, Jack and Jean trio.				7

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

**Atlantic or Eastern Daylight Saving Time Stations**

**CFCA, Toronto, Can. (356.9m-840kc), 11 a. m.**, St. Paul's Anglican church; 7 p. m., Timothy Eaton Memorial church; 9:30, musicale.

**WCAU, Philadelphia, Pa. (277.6m-1080kc), 6:30 p. m.**, Hotel Pennsylvania concert orchestra; 7:30, Cathay Tea Garden orchestra.

**WIP, Philadelphia, Pa. (508.2m-590kc), 4:15 p. m.**, community vocal and instrumental trio; 7:15, services, Holy Trinity church; 9:15, concert, Steel Pier, Atlantic city; 10:30, organ and vocal recital from Atlantic City high school.

**WJZ, New York, N. Y. (454.3m-660kc), 7:05 p. m.**, Park Ave. Baptist Church Carillon, WGY; 7:25, Hotel Pennsylvania orchestra, WGY; 8, music; 8:15, Hotel Ambassador trio; 9:30, Godfrey Ludlow.

**WMAK, Buffalo, N. Y. (265.3m-1130kc), 7 p. m.**, Churchill tabernacle.

**WMCA, New York, N. Y. (340.7m-880kc), 7 p. m.**, Ernie Golden and his Hotel McAlpin orchestra; 7:30, Monte Carlo by-the-Sea orchestra.

**Eastern Standard or Central Daylight Saving Time Stations**

**KYW, Chicago, Ill. (535.4m-560kc), 3:30 p. m.**, studio concert; 8:30-10, classical concert.

**WBBM, Chicago, Ill. (225.4m-1330kc), 12:30-2 p. m.**, Sacred classical concert, Eddie Hanson, organist. Staff artists; 4-6, musical matinee, Lee Sims; Charlie Lenzen, tenor; 8-10, melody hour, staff artists; 12, The Nutty club.

**WGN, Chicago, Ill. (302.8m-990kc), 6:15 p. m.**, Uncle Walt; 6:45, musicale; 7:20, Million sing; 7:20-7:30, Old Fashioned Almanack; 7:30-8, musicale; 8-8:15, Drake concert ensemble; Blackstone string quintet; 8:15, Atwater Kent musicale; 8:45, musicale; 9-10, Our Music Room; 10, feature program; 10:10, WGN studio ensemble.

**WGY, Schenectady, N. Y. (379.5m-790kc), 6:05 p. m.**, carillon; 6:20, WJZ.

**WHT, Chicago, Ill. (399.8m-750kc), 3 p. m.**, Paul Rader.

**WIBO, Chicago, Ill. (225.4m-1330kc), 6-8 p. m.**, Sunday evening concert; 10-12, popular program.

**WJAZ, Chicago, Ill. (329.5m-910kc), 7-9 p. m.**, Club Chez Pierre Girvin trio.

**WKRC, Cincinnati, Ohio. (422.3m-710kc), 10 p. m.**,

classical program; 11:15, Swiss Garden frolic; 12, Marie Turner; 12:15, Ace Brigode's Virginians.

**WLIB, Chicago, Ill. (302.8m-990kc), 5 p. m.**, Liberty studio ensemble; 5:45, Edward Benedict, organist.

**WLS, Chicago, Ill. (344.6m-870kc), 10:45 a. m.**, U. of Chicago church service; 12:30 p. m., Elsie Mae of Chicago church service; 7:8:55, WLS Little Brown church.

**WLW, Cincinnati, Ohio. (422.3m-710kc), 9:30 a. m.**, Sunday school; 11, Y. M. C. A. church; 3 p. m., municipal band; 7:30, Herbert Newman, organist; 8:30, Crosley Salon orchestra; Francis Treifzger, tenor.

**WSAI, Cincinnati, Ohio. (325.9m-920kc), 7:45 p. m.**, chimes; 8, WEAFF.

**WSWS, Chicago, Ill. (275.8m-1090kc), 7-9:30 p. m.**, evening song service, Rev. Philpott.

**WTAM, Cleveland, Ohio. (389.4m-770kc), 6 p. m.**,

Hollenden Hotel orchestra; 7, Park theater tra; 8, twilight musicale.

**WWJ, Detroit, Mich. (352.7m-850kc), 10 a. m.**, Presbyterian church; 2 p. m., Detroit News tra; 6:20, WEAFF; 8:15, WEAFF.

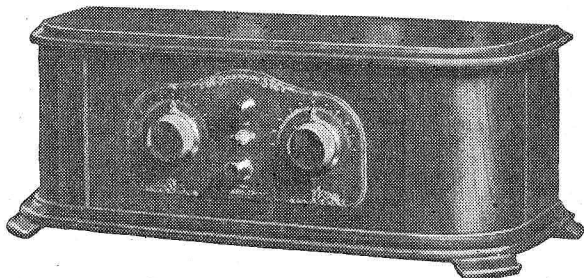
**CE**

**Central Standard Time Station**

**KFNF, Shenandoah, Ia. (461.3m-650kc), 10:30**, First M. E. church; 2:30 p. m., Seed ho. service; 3, Swedish Mission church; 6:30, Rule circle; 8, Christian church service

**KLDS, Independence, Mo. (440.9m-680kc), 6:30**, vesper service, Bertha Burgess, musical direct. sermonist, Ralph W. Farrell; 9:15, Robert Miller, organist.

**KMA, Shenandoah, Ia. (461.3m-650kc), 4-5 p. m.**, Harmony Four quartet; 5, Rev. L. A. Lippitt.



**A New and Improved**  
**ARBORPHONE**  
*FEATURING*  
**Unified—Simplified Control and Original Cabinet Design**

"Better, by far, than ever before"—  
"a distinct advancement in radio."  
Such comments describe the trade's opinion of the 1926-7 Arborphone.  
Improved tuning on low wave lengths and greater volume on distant stations have been secured through the use of special dual condensers and a separate oscillation control.

You who demand clear, concise reception on this year's crowded air channels will instantly approve the engineering achievements of Arborphone's remarkable circuit. More power is obtained on long distance work as well by use of a power tube.

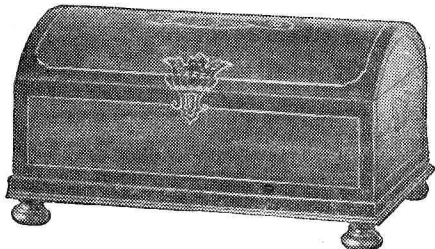
**\$600 LIST**

**\$65.00 in Rocky Mountain and Pacific Coast States.**  
See it—inspect it closely—at your dealers. Again Arborphone offers outstanding value in fine radio receivers.

**DEALERS** Arborphone offers just what your customers want. Last year Arborphone dealers were successful dealers. Our new plan of dealer franchise now ready for you. It will pay you to get this information at once, either from your jobber or from us.

**PRECISION PRODUCTS CO.**

**321 SOUTH MAIN ST. ANN ARBOR, MICH.**



No. 21 — \$45.00

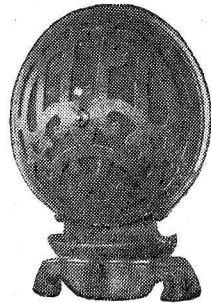
Modeled along the lines of an antique jewel box such as Milady of the Manor used in the Early English or Colonial History.

Now radio is transformed into living beauty—reproduction that makes you feel the actual presence of the artists,—design that blends with the home surroundings and "does not break the spell". Radio at last has shed the trappings of the laboratory and emerged, chrysalis like, into its true external symmetry.

**The "Jewel Case"---**  
*not merely rare beauty*  
*but new acoustic principles!*

The "Jewel Case"--- like a rich antique jewel cabinet in outward appearance, with all of the rare tone beauty of an old violin---and like the violin, this speaker uses the whole of the wood in its contour to resonate and reflect the pure vibration of the sound within it. Undreamed of fidelity, and small though it may be, the volume is greater than any speaker yet marketed.

Velvet Speaker Number 21 is startling in its far flung progress toward the ideals of beauty and acoustic perfection. Be first to offer it and reap the sales. The price is reasonable---the quality the highest---and dealer, jobber co-operation unusual. Write today for Velvet franchise.



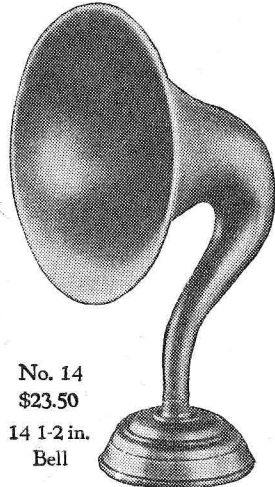
The New Cone

A splendid new development---It delivers the rich deep bass of the cone with the volume equal to the horn type, without distortion.

No. 18  
\$27.50

Sales Department  
**THE ZINKE CO.**  
1323 Michigan Ave.,  
Chicago, Ill.

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



No. 14  
\$23.50  
14 1-2 in.  
Bell

**Velvet Radio Speakers**

Sunday, August 29

Cornell Bluffs, Ia. (305.9m-980kc), 7:30 p. m., stonians; 11, program.
Hot Springs National Park, Ark. (374.8m-9:10 p. m., Meyer Davis ensemble.
Fort Worth, Tex. (475.9m-630kc), 11 a. m., Methodist church; 9:30-11, Sorin White Top Texas orchestra.
AA, Dallas, Tex. (475.9m-630kc), 6-7 p. m., radio Bible class; 8-9, First Presbyterian church; 11-12, Tom D. Collins and his symphony orchestra.
WOAW, Omaha, Nebr. (526m-570kc), 2:30 p. m., classical; 9, chapel service.
Mountain Standard Time Stations
KOA, Denver, Colo. (322.4m-930kc), 10:55 a. m., Trinity Methodist Episcopal church; 4:30 p. m., Shad J. Tinsley, organist; 7:40, Trinity Methodist Episcopal church.
Pacific Standard Time Stations
KFI, Los Angeles, Calif. (467m-642kc), 7-8 p. m., Jim, Jack and Jean trio; 8-9, Aeolian organ; 9-10, Bob Bottger's Venetians; 10-11, Packard Six dance orchestra; Dolly MacDonald, soloist.
KFWB, Hollywood, Calif. (252m-1190kc), 9-11 p. m., Sunday night movie frolic.
KHJ, Los Angeles, Calif. (405.2m-740kc), 7-8 p. m., evening service, First M. E. church; 8-10, Orpheus Four male quartet.

Monday, August 30

Headliners Today

Atlantic Eastern Central Mountain Pacific
WOR (405.2m-740kc), Newark Philharmonic band.
CNRA (322.4m-930kc), Nova Scotia Provincial exhibition.
WGH (266m-1130kc), Virginia Girl and her Spanish guitar.
WJAP (475.9m-630kc), Allene Patterson Duff, contralto.
CKY (384.4m-780kc), Capitol theater revue.

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

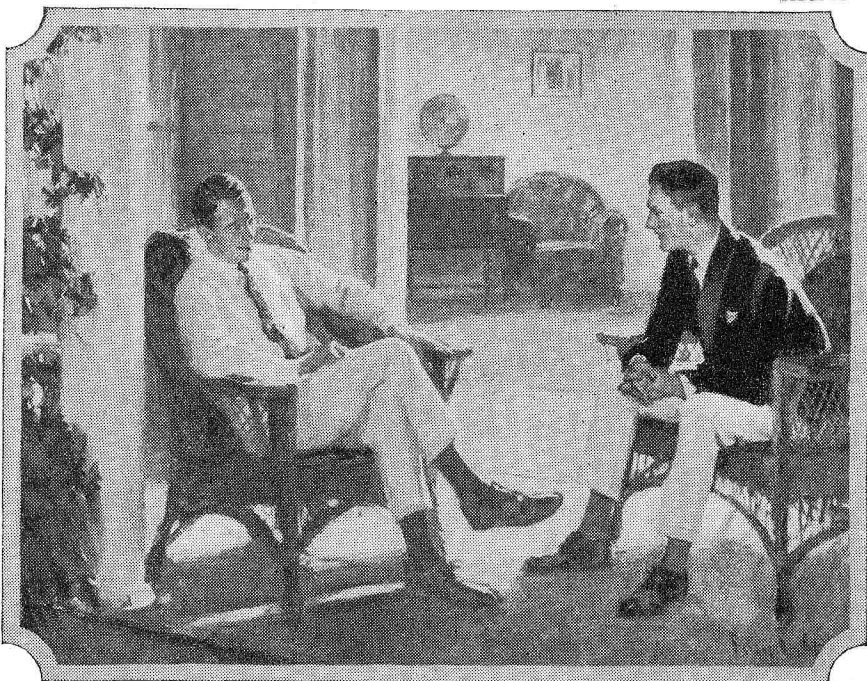
Atlantic or Eastern Daylight Saving Time Stations

CKNC, Toronto, Can. (356.9m-840kc), 9 p. m., Eveready Little Symphony orchestra; Capital quartet.
WCAU, Philadelphia, Pa. (277.6m-1080kc), 7:30 p. m., N. Snellenburg recital; 8, Carolyn Thomas, soprano; Ella Jaquet Kratz, pianist; 8:30, The Two Rascals; 8:45, The Merry Minstrels; 9:30, Tony and Joe, Italian comedians; 9:45, Chalfont sisters, harmony songs; 10, recital; 10:45, concert.
WJZ, New York, N. Y. (454.3m-660kc), 7:05 p. m., Hotel Madison dinner orchestra; 7:55, John B. Kennedy; 9, Maxwell House coffee ensemble; 10:30, Harold Leonard's Waldorf-Astoria roof orchestra.
WLIT, Philadelphia, Pa. (394.5m-760kc), 8:15 p. m., Arcadia cafe concert orchestra; 9, Stanley hour of music; 10, Arcadia dance orchestra; 10:30, vaudeville features, Fay's theater; 10:45, Ben Franklin El Patio dance orchestra.
WMAK, Buffalo, N. Y. (265.3m-1130kc), 6:15 p. m., Philco Battery serenaders; 7:30-8:15, Buffalo athletic club; 8:15-9, WGY.
WMCA, New York, N. Y. (340.7m-880kc), 6:30 p. m., Ernie Golden and his Hotel McAlpin orchestra; 7:30, Monte Carlo by-the-Sea orchestra; 9:15, Hardman hour of music; 10:30, Hotel Shelburne orchestra; 11,

Jack Denny's orchestra; 11:30, Club Brighton orchestra; 12 m., McAlpin entertainers.
WOR, Newark, N. J. (405.2m-740kc), 6:15 p. m., Jacques Jacobs' Hotel Shelton ensemble; 7, Jacques Jacobs' Hotel Shelton ensemble; 7:30, Brooklyn Daily Eagle program; 8, Newark Philharmonic band; 9, Klein's Serenading Shoemakers; 10, Monterey society orchestra; 10:30, Monterey concert quintet; 11:15, Ben Berni's Berkeley-Carteret orchestra.
Eastern Standard or Central Daylight Saving Time Stations
WGH, Clearwater, Fla. (265.3m-1130kc), 8:30-10 p. m., Virginia Girl; Max Hartlett, pianist.
WGH, Detroit, Mich. (270m-1110kc), 6 p. m., dinner concert from Hotel Fuller; 8:30-9, studio program; 9-10, WGH ensemble and soloists.
WKRC, Cincinnati, Ohio (422.3m-710kc), 6:15 p. m., Alvin Roehr and his Hotel Alms orchestra; 8, Eugene Schmitt, baritone; 8:15, dance program; 8:45, Eugene Perazzo, pianist; 9, American Legion; 12, popular program.
WLW, Cincinnati, Ohio (422.3m-700kc), 7 p. m., Robert Visconti's orchestra; 8, Commercial Tribune feature; 9, Calumet Powder, Rainbo Gardens hour.
WREO, Lansing, Mich. (285.5m-1050kc), 6-7 p. m., dinner hour of music, Speed-Wagon serenaders, Gold Standard ensemble.
WSAI, Cincinnati, Ohio (325.9m-920kc), 9 p. m., operatic concert; 10, Harmony Four orchestra.
WTAM, Cleveland, Ohio (389.4m-770kc), 6 p. m., Hollenden hotel orchestra; 7, Allen theater orchestra; 8, studio program; 11, Emerson Gill and his Bamboo Garden orchestra.
WWJ, Detroit, Mich. (352.7m-850kc), 6 p. m., dinner concert; 7:30, Goldman band concert; 9, Detroit News orchestra.

Central Standard Time Stations

CKY, Winnipeg, Can. (384.4m-780kc), 11 p. m., Capitol theater revue.
KFNF, Shenandoah, Iowa (461.3m-650kc), 7 p. m., concert; 8, poetry talk.
KMA, Shenandoah, Iowa (461.3m-650kc), 9-11 p. m., Corey and Carl.
KMMJ, Clay Center, Nebr. (228.9m-1310kc), 8 p. m., Old Trusty Juvenile band.
KOIL, Council Bluffs, Iowa (305.9m-980kc), 6 p. m., Hotel Lassen; 7:30, Inner-Circle Candy program; 9, Radio Jazz orchestra; 10, Barnyard Twins.
KTHS, Hot Springs National Park, Ark. (374.8m-800kc), 9:10-10 p. m., comedy gems, Meyer Davis orchestra; Clyde Foley, tenor; 10-10:30, Ray Mullins orchestra.
WBAP, Fort Worth, Texas (475.9m-630kc), 7:30-8:30 p. m., Allene Patterson Duff, contralto; 9:30-11, Grapevine Fiddle band.
WFAA, Dallas, Texas (475.9m-630kc), 6:30-7:30 p. m., Haualea School of Hawaiian music; 8:30-9:30, agricultural program.
WHAD, Milwaukee, Wis. (275m-1090kc), 6:10 p. m., Arthur Richter, organist; 8:30, Waldemar Schueler, pianist, and Myrtle Spangenberg, soprano; Cliff Borchardt, baritone, and Vent Callahan, harmonica king.
WOAW, Omaha, Nebr. (526m-570kc), 6:50 p. m., orchestra; 9, classical.
WOS, Jefferson City, Mo. (440.9m-680kc), 8 p. m., Big Four string band.
WSM, Nashville, Tenn. (282.8m-1060kc), 7 p. m., Andrew Jackson hotel trio; 8, studio program; 10, Vito and his Radio Seven.
Mountain Standard Time Stations
KOA, Denver, Colo. (322.4m-930kc), 6:30 p. m., Brown Palace string orchestra; 8, Scheuerman's Colorado orchestra; 8:15, scientific football, Tom McNamara; 8:25, Denver Union Pacific Shop Employee's band.
Pacific Standard Time Stations
KFI, Los Angeles, Calif. (467m-642kc), 7-8 p. m., Owen Fallon's Californians; Jackie Lucas, soloist; 8-9, classic hour; 9-10, program, Walter M. Murphy Motors company, also broadcast by KPO; 10-11, program arranged, Meislich brothers.
KFWB, Hollywood, Calif. (252m-1190kc), 7-8 p. m., program, Dr. Ralph Mitchell and Associated Dentists; 8-9, program, The Sealy company; 9-10, program, American Dye Works; 10-11, Warner brothers, frolic.



"My wife insists on getting a radio set exactly like yours. Where did you get it?"

"THE Radio Shop put it in for me, Jim. I've never had anything that was less trouble or expense, or that gave us all so much pleasure. We don't see how we ever got along without it."

"How about batteries? I've heard you have to give them a lot of attention."

"Not if you get good ones, Jim. The service man from The Radio Shop who installed my set said that the Evereadys he was supplying were exactly the right size for the receiver and should last eight months or longer. I've had the set six months now, and as far as I can tell, the 'B' batteries are as good as new."

That's the experience of those who follow these simple rules in choosing the right "B" batteries for their receivers:

On all but single tube sets —connect a "C" battery\*. The length of service given below is based on its use.

On 1 to 3 tubes—Use Eveready No. 772. Listening in on the average of 2 hours daily, it will last a year or more.

On 4 or more tubes—Use the Heavy-Duty "B" Batteries, either No. 770 or the even longer-lived Eveready Layerbilt

\*NOTE: A "C" battery greatly increases the life of your "B" batteries and gives a quality of reception unobtainable without it. Radio sets may easily be changed by any competent radio service man to permit the use of a "C" battery.

No. 486. Used on the average of 2 hours daily, these will last 8 months or longer.

Follow these rules and you, too, will find that Eveready Radio Batteries offer a most economical, reliable and satisfactory source of radio power. How long they last, of course, depends on usage; so if you listen less you can count on their lasting longer, and if you listen more, they will not last quite so long.

Send for booklet, "Choosing and Using the Right Radio Batteries," sent free on request. There is an Eveready dealer nearby.

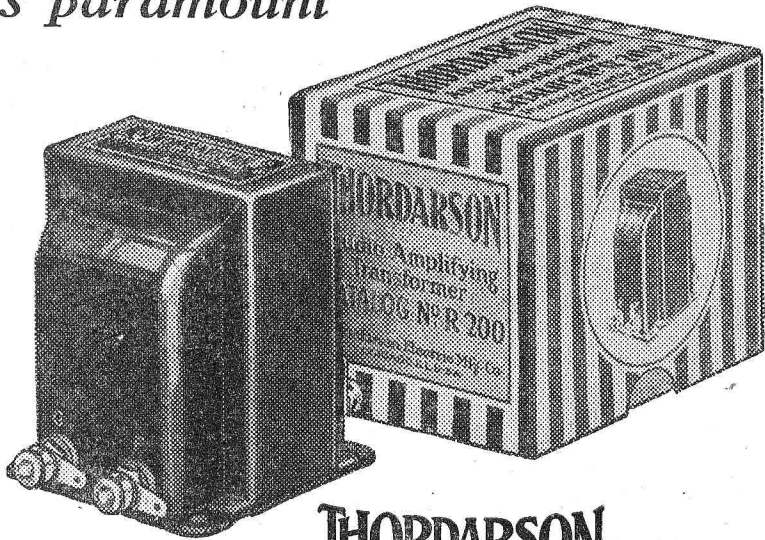
Manufactured and guaranteed by NATIONAL CARBON Co., Inc. New York San Francisco Canadian National Carbon Co., Limited Toronto, Ontario

Tuesday night means Eveready Hour—8 P. M., Eastern Standard Time, through the following stations:

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

Advertisement for Eveready Radio Batteries showing two battery models: LEFT—No. 486, for 4, 5 or more tubes, \$5.50. RIGHT—Eveready Dry Cell Radio "A" Battery, 1 1/2 volts. EVEREADY Radio Batteries —they last longer

Specified wherever tone quality is paramount



THORDARSON R-200

The proof of the pudding is in the eating.

The satisfaction you derive from your radio set depends upon its fidelity of reproduction.

Since the institution of broadcasting, Thordarson transformers have been the great outstanding factor of faithful reproduction in a multitude of receivers.

That is why to-day you find more Thordarson transformers in the receivers of leading manufacturers than all competitive transformers combined.

Thordarson R-200 is available at reliable dealers everywhere at a cost of eight dollars.

THORDARSON ELECTRIC MANUFACTURING CO. Transformer specialists since 1895 WORLD'S OLDEST AND LARGEST EXCLUSIVE TRANSFORMER MAKERS Chicago, U.S.A.

Tuesday, August 31

Headliners Today

Atlantic	Eastern	Central	Mountain	Pacific
11:30	10:30	9:30	8:30	7:30
WBAP (475.9m-630kc), Wagoner Hawaiian trio.	9	7	6	5
CNRA (322.4m-930kc), Shakespearean evening.	10:30	9:30	8:30	7:30
10:30	9:30	8:30	7:30	6:30
WOAI (394.5m-760kc), Gebhardt Mexican players.	12:15	11:15	10:15	9:15
12:15	11:15	10:15	9:15	8:15
WOAW (526m-570kc), Radio movie club.	1	12	11	10
1	12	11	10	9
KÖIL (305.9m-980kc), Tillie's Bon-Ton serenaders.				

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

Atlantic or Eastern Daylight Saving Time Stations

**CNRA, Moncton, Can. (322.4m-930kc), 9 p. m.**, Shakespearean evening. Lt. Col. A. E. Barton, Lorne McKendrick, Russell McCharles, W. V. George, Mrs. F. A. Taylor, Ida Bremner Malcolm, Dorinda Gastonguay Affleck; 11, CNRA dance orchestra.

**WCAU, Philadelphia, Pa. (277.6m-1080kc), 7:30 p. m.**, Snellenburg recital; 8, concert; 8:10, The Three Brothers; 8:25, Peter Ricci, baritone; 8:45, Charles Higgins, popular songs; 9, Kuehne's artists; 10, Billy Hays' Cathay dance orchestra.

**WFI, Philadelphia, Pa. (394.5m-760kc), 6:45 p. m.**, Adelphi Roof Garden orchestra; 8, WEAF; 10:30, Greenwich Village Inn orchestra.

**WIP, Philadelphia, Pa. (508.2m-590kc), 6:05 p. m.**, Benjamin Franklin concert orchestra; 8, Steeplechase Pier dance orchestra; 8:30, Steel Pier Minstrels; 9, Chalfonte Haddon duo trio; 10, Emo's weekly movie talk; 10:30, Cummin's Kentuckians dance orchestra; 11, Silver Slipper Supper club dance orchestra; 11:30, Seattle Harmony Kings.

**WJZ, New York, N. Y. (454.3m-660kc), 7:05 p. m.**, Frank Dale; 7:20, Waldorf Astoria roof orchestra; 9, Pennsylvania Railroad hour; 10, Cook's Southern Hemisphere Cruise; 10:45, Geo. Olsen's Hotel Pennsylvania roof orchestra.

**WMCA, New York, N. Y. (340.7m-880kc), 6:45 p. m.**, Jack Windrow, ukelele and songs; 7, Monte Carlo by-the-Sea orchestra; 9, Paul Whiteman's Piccadilly Players; 9:30, Columbia Park entertainers; 10:30, Hotel Shelburne orchestra; 11, Ernie Golden and his Hotel McAlpin orchestra.

**WOR, Newark, N. J. (405.2m-740kc), 6:45 p. m.**, Hotel Bretteon Hall string quartet; 7:30, Premier Club orchestra; 8:15, Vanderbilt Hotel orchestra; 9, Donald H. Baker, organ recital; 9:45, Jimmy Caruso's frolic; 10:15, Ritz-Carlton dance orchestra.

Eastern Standard or Central Daylight Saving Time Stations

**KYW, Chicago, Ill. (535.4m-560kc), 6 p. m.**, music hour; 7, farm bureau; 8, classical concert; 9:30-11, carnival.

**WBMM, Chicago, Ill. (225.4m-1330kc), 5:15-6 p. m.**, recital, Eddie Hanson, organist; 8-9:30, melody hour, staff artists; 9:30-10, Moss covered melodies; 10-11:30, Varietay hour, Lee Sims, Smith and Ford and staff artists; 11:30-12, Supper club, Howard Osburn's Vanity Fair cafe orchestra.

**WGHP, Detroit, Mich. (270m-1110kc), 6 p. m.**, dinner concert from Hotel Tuller; 8:30-9:30, Dodge Brothers concert band; 9:30-10, studio program.

**WGN, Chicago, Ill. (302.8m-990kc), 6:15 p. m.**, Uncle Walt; 6:45, Drake concert ensemble, Blackstone string quintet; 8-9, Eveready hour; 9-10, Grand opera; 10-10:10, Sam 'n' Henry; 10:10-11, musicale.

**WGY, Schenectady, N. Y. (379.5m-790kc), 6:30 p. m.**, "The Land of the Midnight Sun"; 6:45, agricultural program; 7:30, WJZ; 8, WJZ.

**WHT, Chicago, Ill. (399.8m-750kc), 7-8:30 p. m.**, Al Carney, organist; Riverview Melody Masters; 8:45-10:15, (238m-1260kc), organ; orchestra; 10:30-1, (399.8m-750kc), Al Carney, organist; Bel Canto male quartet; Ann Slack, cellist; orchestra.

**WJAZ, Chicago, Ill. (329.5m-910kc), 9-12 mid.**, Club Chez Pierre Earl Hoffman's Chez Pierre orchestra; The Quips that Pass in the Night; William Hayden, tenor; Helen Jackson, pianist.

**WLIB, Chicago, Ill. (302.8m-990kc), 7 p. m.**, Million sing; 7:05, Old Fashioned Almanack; 7:15, dinner music; 7:30, WEAF; 11 Correll and Gosden; 11:20, Ambrose Larsen, organist; orchestra.

**WLS, Chicago, Ill. (344.6m-870kc), 6:45 p. m.**, College Inn orchestra; 7:20, Prof. E. Frazier, reader; 7:30, Ralph Emerson, organist; 8:10, College Inn orchestra; 8:20, Ford and Glenn.

**WLW, Cincinnati, Ohio. (422.3m-710kc), 6 p. m.**, opening exercises, Twelfth Annual Pure Food show; 9, Formica symphony orchestra.

**WOOD, Grand Rapids, Mich. (241.8m-1240kc), 9 p. m.**, Ye Olde Tyme Songe Feste; 9:45, Melissa Dvorak, pianist; 10:05, studio program.

**WREO, Lansing, Mich. (285.5m-1050kc), 6-7 p. m.**, dinner hour of music, Speed-wagon serenaders, Gold Standard ensemble; 8:15-9:45, band concert, Natural Amphitheater.

**WSAI, Cincinnati, Ohio. (325.9m-920kc), 7 p. m.**, WEAF; 7:30, accordion soloist; Ray Lombardi, baritone; 9, Maids of Melody, Lola Bruce.

**WTAM, Cleveland, Ohio. (389.4m-770kc), 6 p. m.**, State theater vaudeville and music; 7, Salon concert from WEAF; 7:30, Gold Dust Twins from WEAF; 8, Eveready entertainers from WEAF; 9, Moment Musicale from WEAF; 9:30, dance orchestra from WEAF; 10, studio program; 11, Frank R. Wilson's Euclid Beach Park orchestra.

**WWJ, Detroit, Mich. (352.7m-850kc), 6 p. m.**, dinner concert; 7, WEAF.

Central Standard Time Stations

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

**KTHS, Hot Springs National Park, Ark. (374.8m-800kc), 9:10 p. m.**, Lawson Reid, organist; 9:45-10:30, Meyer Davis orchestra.

**WBAP, Fort Worth, Tex. (475.9m-630kc), 7:30-8:30 p. m.**, Clyde Massengale, baritone; Florence Massengale, pianist; 9:30-11, Wagoner Hawaiian trio.

**WFAA, Dallas, Tex. (475.9m-630kc), 6:30-7:30 p. m.**, Louisiana serenaders; 8:30-9:30, Bon Sory Robertson; 11-12, Jimmy Joy's Baker Hotel orchestra.

**WHAS, Louisville, Ky. (399.8m-750kc), 7:30-9 p. m.**, studio concert, auspices Mrs. Jane Webster Murrell, soprano.

**WMC, Memphis, Tenn. (499.7m-600kc), 8:30 p. m.**, musical program; 11, Britling's Cafeteria orchestra.

**WOAW, Omaha, Nebr. (526m-570kc), 6:20 p. m.**, popular song period, Lillian Madsen; 6:50, orchestra; 9, George H. Lee company; 10:15, WOAW Radio Movie club.

**WSM, Nashville, Tenn. (282.8m-1060kc), 8 p. m.**, Vincent Kuhn, baritone; Lillian Watt, soprano; Casper Kuhn, violinist.

Mountain Standard Time Stations

**CNRR, Regina, Can. (312.3m-960kc), 8 p. m.**, McQuarrie's concert orchestra; Pragnall trio.

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

Pacific Standard Time Stations

**KFWB, Hollywood, Calif. (252m-1190kc), 7-8 p. m.**, program Morris and company; 8-10, studio program; 10-11, Warner Brothers frolic

**KHJ, Los Angeles, Calif. (405.2m-740kc), 6:30-7:30 p. m.**, weekly visit of Queen Titania and the Sandman; 8:10, de luxe studio program; 10-11, L. A. Ry. dance orchestra.

**KNX, Hollywood, Calif. (336.9m-890kc), 7-7:45 p. m.**, program, John A. Vaughn corp.; 7:45, health talk; 8-9, Builders' Finance ass'n program; 9-10, Western Auto Supply Co. program; 10-11, Edgewater club dance orchestra; 11-1 a. m., Ambassador Hotel dance orchestra.

"PRETENSE"

(Continued from page 14)

of the time he devoted himself to the women patrons with appalling success. Tall, slender, lithe, handsome in the dark, Latin way, his appeal was undeniable. He was like a bare flame, a fatal beacon for thoughtless moths. Had he possessed a soul it would have been scarred by innumerable affairs tragic for others. Boris mentally referred to him always as "The Snake."

Masillof looked up now, to find Ricardo gazing straight at him, a devilish, mocking light in his black eyes, his sensuous mouth twisted into a grimace that was more a sneer than a smile.

"Several of your friends are disappointed at your being monopolized tonight," said the dancer suavely. "Especially Jack," he added significantly.

Prince Boris flushed in spite of his effort at self-control. His eyes sparkled angrily. Damn the fellow! How had he found out? Through Jack, of course. But to sit there and mock him before the only person he cared about knowing everything! Masillof's fists clenched until he winced at the pain of the nails biting into his palms. To be ridiculed by such swine! He longed to smash Ricardo's smirking face.

"I shall do as I please!" snapped Prince Boris. The girl was trying to appear disinterested but she looked askance at the remark. Ricardo smiled as though pleased about something.

WITH a sudden crash the orchestra began a popular number. Evelyn accepted his quick invitation to dance and they whirled away. Masillof gulped the last of his drink and set the glass down with an angry click. He had aged ten years in as many minutes. His face was as impassive as a mask but a network of wrinkles were etched about his eyes. His mind was in a turmoil. He found himself unable to think clearly, to

decide what to do. But he must thing. His soul cried out for "T" couldn't stand this pretense "You sure look glum tonight" feminine voice at his elbow.

He glanced up into the impish, face of Frascita, the dancer. One of headliners at the Club Royale, it was business to be alluringly Latin and otic. Her clothes were a riot of color; her hair raven black; her complexion a rich warm olive. She played her part to the complete satisfaction of all but a few. Prince Boris was one of the doubters. He possessed only a working knowledge of Spanish, yet her accent was not as good as his own. And she spoke English too well—especially slang. Without make-up her complexion was anything but a rich warm olive. And her eyes were blue. He had his suspicions that she was Irish. She impressed him as the type whose relatives would be bartenders, washerwomen and prize-fighters. But he knew that the general public could not conceive of an alluring Irish dancer, so she was Spanish with the romantic name of Frascita. That infernal pretense again! How he hated it!

She dropped into the vacant chair beside him with cool assurance and lighted a cigarette with practiced dexterity, inhaling the smoke easily with evident relish. Then she surveyed him deliberately, her eyes half-closing to guard against the up-curling smoke. Finally she gave him a half contemptuous smile.

"You look like the last rose of summer." "I'm tired," he admitted without looking at her, his slender fingers toying with the silver.

"Tired of what?" He stared at her suddenly, anxiously. "Just tired, that's all," he snapped.

EVELYN and Ricardo returned, the girl smiling and prettily flushed, the man calm and debonaire as usual, not even a single hair disturbed in the glossy black sheath that topped his well-shaped head. That hair always irritated Masillof. Long sideburns dripped from either side and it descended so far in the back that, with the shaved neck, it made one think of a wig.

Ricardo ordered drinks. He and Frascita sipped theirs slowly. Boris drained his glass in a gulp. Evelyn frowned and left hers untouched. She objected to alcohol in large quantities. Masillof realized that he shouldn't have taken that last drink. He had had enough already. But

Another Karas Surprise!

- First there was Harmonik  
—the original high-quality transformer
- Then Karas presented Orthometric  
—the straight frequency line condenser
- It's last triumph was Micrometric  
—the vernier dial without back-lash
- NOW Karas announces Equamatic  
—the perfect system of broadcast reception and oscillation control

1. The Equamatic System gives maximum and equal sensitivity and amplification on any wavelength—long, short or intermediate.
2. It develops the greatest possible selectivity without distortion or loss of harmonics.
3. It assures perfect balance on all wavelengths without employing "losser" methods of any kind.
4. It conserves the life of "A" and "B" batteries.
5. It simplifies operation of all sets by perfect synchronization of the first dial with the others.
6. It eliminates fundamental wavelength antenna absorption.
7. It provides simple adjustment to meet varying conditions, permitting perfect balance of tubes, antenna, and associated apparatus.

The essential parts for the building of an Equamatic Receiver are made by Karas. Complete instructions for assembly and wiring, including drilling layouts, will shortly be ready. Mail the coupon for the Equamatic booklet fully explaining this system for which the Radio world has so long waited.

Karas Electric Company,  
1040 Association Bldg., Chicago

Enclosed is 10c for which please send me booklet on the Equamatic System explaining what it accomplishes and how it does it.

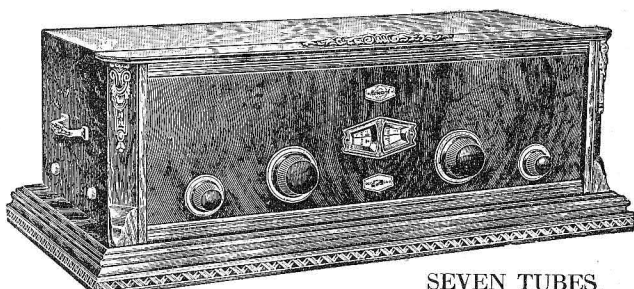
**KARAS ELECTRIC CO.**  
Factory: N. Rockwell St.  
Offices: 1040 Association Bldg.  
CHICAGO

Name .....

Address .....



New!  
COMPLETELY SHIELDED



SEVEN TUBES

A Neutrodyne Radio Receiver new in principle—new in design—entirely loop operated and completely shielded.

The neighboring super broadcast is eliminated at will and the far away program is brought in with giant volume as desired—and with marvelous quality. Worth investigating.

Write us for further details

Howard Radio Company  
CHICAGO, U. S. A.

Exclusive Distributor for New Jersey:  
NORTH WARD RADIO CO.  
367 Plane St., Newark, N. J.



begged for a bracer. His head whirling round in the most hion. He trembled with ex- and anger. He was furious at at himself, at everybody. But ally at Frascita. The dancer was ng herself whole-heartedly to him e could see growing disapproval in n's face.

e conversation turned to love. All resent had interesting experiences to relate and ideas to advance.

"Prince Boris is my idea of a perfect lover," said Frascita with an arch glance at Masillof.

Evelyn stared. Her eyes held a dan- gerous light.

"Is that just an opinion or—" she de- manded with deadly calm, then paused, unable to finish. But the sudden flush in her cheeks indicated her feeling.

Frascita shrugged and smiled provok- ingly at Masillof in a way to give the in- ference that her remark was prompted by much more than mere opinion.

"Thanks for the compliment," retorted Boris with a mechanical smile. "But it is entirely unjustified."

He glanced meaningfully at Evelyn. She tossed her head and looked away. Under the polished, unperturbed exterior, he was aflame with rage. Frascita seemed to be deliberately hinting that he had been intimate with her. He had never been more than civil. And no one knew it any better than she did. What could be her purpose?

Ricardo extended his cigarette case to Evelyn.

"Won't you have one of my special blend?" he invited.

Boris looked up quickly, his face crying an awful warning. He knew the dancer's system—develop future customers by giving them three or four of his "special" blend. Then when the person's shocked nerves craved the so-called "special blend" Ricardo sold the cigarettes for five dol- lars each. Another victim in the clutches of a soul-shattering habit.

**B**UT the girl disregarded his inarticu- late warning, accepting one of the little white rolls. Masillof fumed inwardly. He knew why she had done that. Defiance was visible in her eyes. She was piqued at him and Frascita. He wanted to strangle the woman dancer. But she was so smoothly persistent. She seemed to be in love with him. Or was she in love with the beautiful jewels which he sometimes exhibited to his friends? More likely the latter.

It was immediately evident that Ricardo

called his blend "special" with justifica- tion. The odor of the cigarette was peculiar. Even the color of its smoke seemed different. And the effect on Eve- lyn was striking. She paled. The pupils of her eyes dilated. Her smile became wide and set; her breathing quick and shallow. Her voice rose and grew shrill. She laughed hysterically without cause.

Boris raged inwardly. He was afraid, too—for Evelyn. She would be sucked under by this mad vortex of heedless night life if she hadn't the power or the desire to resist it. The rocks were so perilously close and so appallingly easy to reach. And Ricardo! Boris choked with wrath as he thought of the dancer.

The night's revelry had passed the peak of hilarity and was rapidly descending into sodden stupidity when Evelyn an- nounced her intention of going home. Prince Boris rose with calm assurance. But like the sudden releasing of a coil of steel wire Ricardo leaped to his feet, one slim, crooked-fingered hand resting on the girl's arm, gently but unmistakably pos- sensive. The sight of those smooth brown fingers against the bare white flesh fired Masillof's soul like a match held to gun- powder. His heart raced. The blood pounded in his temples. For the first time

in years emotion mastered him. His arm shot forward and knocked Ricardo's hand away. He noted with delight the blood that rushed into the dancer's swarthy cheeks, giving the face a swollen, threat- ening look, and hoped the fellow would offer opportunity for further hostilities.

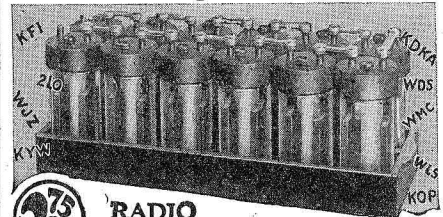
But Ricardo's methods were less direct. His flexible upper lip slowly lifted in a cynical snarl, baring his teeth as does a cornered animal before its superior. His eyes remained cold and deadly, riveted to Masillof's face, and the fires of the devil smoldered in their inky depths. But his hand returned to the girl's arm.

"I am taking Miss Brent home," he announced.

"Of course you are, Ricardo," assented Evelyn with a scornful glance at Fras- cita. "Let's go."

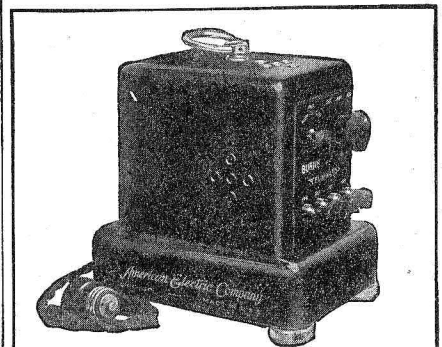
*Ricardo with his deadly cigarette and the ominous presence of hired gunmen bring out the man beneath the mask of the prince in Masillof—and you'll be interested to see what happens to Evelyn in the final chapter of this fascinating story of "Pre- tense," in Radio Digest, September 1.*

**FOR CLEAR, QUIET "B" POWER**



**RADIO Storage "B" Battery**  
 12 Cells 24 Volts Lasts Indefinitely—Pays for Itself  
 Economy and performance unheard of before. Recharged at a negli- gible cost. Delivers unfailing power that is clear, pure and quiet. Approved and listed as Standard by leading Radio Authorities, includ- ing Pop. Radio Laboratories, Pop. Sci. Inst. Standards, Radio News Lab. Letex, Inc., and other important institutions. Equipped with Solid Rubber Case, an insurance against acid and leakage. Extra heavy glass jars. Heavy rugged plates. Order yours today!  
 SEND NO MONEY wanted and we will ship day order is received. Extra offer: 4 batteries in series (96 volts), \$10.50. Pay expressman after examining batteries. 5 per cent discount for cash with order. Mail your order now!  
**WORLD BATTERY COMPANY**  
 1219 So. Wabash Ave., Dept. 76 Chicago, Ill.  
 Makers of the Famous World Radio "A" Storage Battery  
 Prices: 6-volt, 100 Amp. \$11.25; 120 Amp. \$13.25; 140 Amp. \$14.00.  
 All equipped with Solid Rubber Case.

**World STORAGE BATTERIES**  
 Set your Radio Dials at 210 meters for the new 1000 watt World Storage Battery Station, WSBG, Chicago. Watch for announcements.  
 KDKA WEAF WGN WJS KHJ KGO KFAE WJY KOP

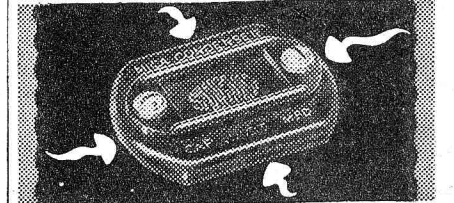


**BURNS B-POWER**

The Eliminator you have been waiting for. Delivers always the same correct plate voltage. Operates from house lighting current—No hum, no acids. Small neat case. Complete with Raytheon tube.....\$45.00

For full data write Dept. 63  
**American Electric Company**  
 State and 65th Streets, Chicago, Ill.

**THESE EDGES**



won't admit moisture

**T**HE leaky spot in ordi- nary mica condensers is the exposed edge. That is where moisture slyly creeps in—atmospheric moisture, salt air, steam from radiators, and acid fumes that corrode, create resistance and cause a condenser to change its capacity.

**SANGAMO Mica Condensers**

have no exposed edges. The delicate parts inside are pro- tected by an armor as hard and impermeable as marble.

Use them anywhere— and anyhow—expose them to acid fumes, boil them, freeze them, drop them on the floor, solder wires to the terminals—and you will still have accurate con- densers.

They cost little—and make a world of difference in tone, accuracy and range. Recommended by every nationally known radio lab- oratory and by professional set builders.

Try **SANGAMO BY-PASS CONDENSERS** they won't break down



**Sangamo Electric Company**  
 6332-4 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, England  
 For Far East  
 Ashida Engineering Co., Osaka, Japan

**Now!**

PRICE  
 Complete with  
 Raytheon Tube  
**\$37.50**



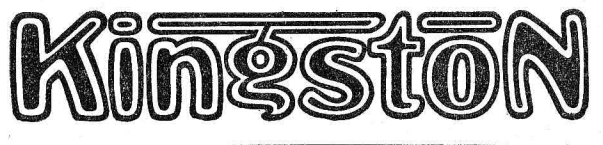
**B BATTERY ELIMINATOR**

**D**O AWAY with troublesome, expensive, bulky batteries, with acid, with stained carpets, with a dead radio just when you want it most. Install the KINGSTON B Battery Eliminator, and forget your battery troubles forever.

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

With the Kingston three different voltages are obtainable at the same time, each tap adjustable over a wide range making any desired voltage from 5 to 150 possible and harmonizing perfectly with your own set. The Raytheon tube is used as a rec- tifier. The Eliminator operates without noise or vibration and will not heat, contains no acid or solution, is no trouble to operate and the operation cost is so low as to be negligible. It will not get out of order.

At Your Dealer's  
**KOKOMO ELECTRIC CO. KOKOMO, IND.**



**Oh boy**  
**KESTER**  
 Rosin Core  
**Radio SOLDER**  
 Sure is Safe and Simple  
 APPROVED BY  
 RADIO ENGINEERS  
 MANUFACTURED BY  
**CHICAGO SOLDER COMPANY**  
 4229 Wrightwood Ave.,  
 Chicago, U. S. A.  
 Originators and World's Largest Manu-  
 facturers of Self Fluxing Solder  
 YOUR DEALER CAN SUPPLY YOU

**"THE FALL GUY"**

(Continued from page 10)

office opened and several men came out. Dick recognized three of them as traction directors. They were talking in low tones as they passed out into the corridor.

"MR. TELLYHEW will see you now," said Kane. "Thank you," responded Dick politely as he entered the lion's den.

Tellyhew was pacing up and down the room. Dick stood for a moment unnoticed. Then, as Tellyhew saw him, he stopped short.

"Good morning, Standish," he said, rather grimly. "Sit down."

"After you," responded Dick with a slight nod.

"No; you sit. I can talk better when I walk. I want to tell you our side of this matter, and then you will be at liberty to take such action as you see fit." Dick slipped easily into a chair and waited. Tellyhew continued:

"We were surprised at receiving your communication. We believe the city of Valley View is taking an unreasonable attitude with reference to this Rosehurst matter, but—well, we'll let that pass. Most people seem to think that a corporation has no heart—that it is operated on cold-blooded business lines that spread out like the tentacles of some gigantic octopus, seeking to crush everything within its grasp.

"Well, I'll have you understand, Standish, the Suburban Traction company has a heart and a big one. We admit that the Rosehurst people have a just complaint." He stopped in front of Dick. "You can go back and tell your mayor and city commissioners that we will start work on the Rosehurst line at once."

Dick sprang to his feet. "Do you mean that, Mr. Tellyhew?"

"Every word of it."

"Then I want to say that you're my kind of a man. Will you take my hand?"

"Take it?" cried Tellyhew, with more enthusiasm than Dick had ever seen him display before. "I should say I will." And he did. "And now that the traction business is out of the way, let me tell you that Alice took all the wind out of my sails with her manipulation of those bonds. I had to tell Stevens the whole thing and get him to agree to hush it up."

**DON'T GUESS; MEASURE VOLTAGE**

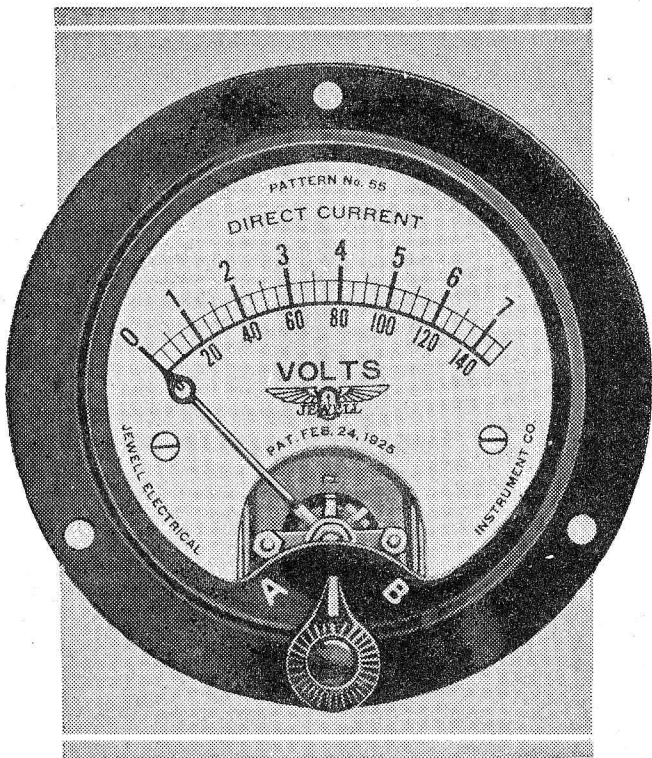


Figure 5

**WATCH THE VOLTMETER**

(Continued from page 11)

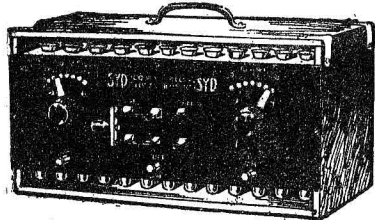
time acts as a control for the "Off" and "On" control of the receiver.

Figure 5 is the front view of a combination voltmeter capable of taking readings for both A and B batteries, which is finding much favor owing to its simplicity of operation. In this device a small knob

He laid both hands on Dick's shoulders and looked him squarely in the eyes. "We tried to make you the fall guy, young man, but you came through! Alice is a great girl; please be good to her for my sake." "Good to her," Dick replied: "I'll be the best husband she's ever had!" THE END.

**SYD LIFE LONG 'B' BATTERY**

UNCONDITIONAL 2-YEAR GUARANTEE Taken from Laboratory News Notes 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 a Complete Charger. \$15.50  
145 VOLTS With a Complete Charger. \$21.50

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

**"B" BATTERY ELIMINATOR**

Only \$7.95

**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 means better reception. 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. Simple directions enclosed—anyone can plug it in to any kind of set. Constant voltage gives set more power without danger of burning out tubes.

Costs no more than set of good "B" batteries. Solidly built in beautifully finished metal case.

Send \$1.00

**SEND YOUR ORDER NOW!**

Don't blame your set because run down "B" Batteries won't let it work right. Order your Eliminator NOW. Write name and address on a piece of paper, pin a dollar bill to it, and mail it TODAY. Pay postman balance (\$6.95 plus a few cents postage) when he delivers your Eliminator. Use it five days. If not more than satisfied, return it and get your money back.

THE ROLL-O RADIO CO.

Dept. I Third & Sycamore Sts., Cincinnati, Ohio

**Televocal QUALITY TUBES**

Dependable and a Technical Triumph



A RADIO TUBE that is non-microphonic—won't short. Sold in matched units; tested, balanced and plainly marked detector, radio frequency or audio frequency.

Ask your dealer for this new and better radio tube that costs no more. If he can't supply you with Televocals, send us his name and address on attached coupon.

DEALERS AND JOBBERS—WRITE US

Televocal Corp'n. 67 A FIFTH AVE. — NEW YORK

Dealer's Name.....  
City..... State.....  
Your Name.....



FRED W. STEIN

**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 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. Ask for radio literature.

STEINITE LABORATORIES Desk 261 Atchison, Kansas

Order Yours Today

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

with pointer is an internal voltmeter. In taking readings a battery or B battery secured through meter pointer through its a... the type of voltage of... It is imperative with th... that minus B and minus... together in the receiver wir... Figure 7 is a rear view of... together with the essential wir... gram.

Figures 6, 8 and 9 indicate wiring diagrams of voltmeter connections for three and four stud instruments, without jacks. The four stud instrument being identical with that of the three stud with the exception that the four stud instrument incorporates a separate resistance for the high readings.

Guess-work is always penalized by guess results, one cannot tell whether "cherry red" represents 5 volts or three. Taking the guess-work out of filament temperatures, and the voltage of B batteries is well worth the small expenditure. Standard voltmeters will do this for you and are entitled to a place of prominence in every Radio receiver.

**28th YEAR FOUNDED 1899**

**FREE RAILROAD FARE**

**LEARN ELECTRICITY**

*In the Great Shops of*

**COYNE**

**In 12 WEEKS**

**Earn \$60 to \$200 a Week**

Get in the field that offers you the BIG PAY—BE AN ELECTRICAL EXPERT. Coyne is not a Correspondence School. Everything is practical. No books or useless theory. You do actual work on our huge outfit of electrical apparatus—everything from doorbells to power plants—everything to make you a \$60 to \$200 a week EXPERT. A Coyne trained man can take his place anywhere in the electrical world. Learn in Chicago, the Electrical Center of the World.

**You Don't Need Education or Experience** Coyne gives you education and experience by actual work. My training is practical and easy to understand.

**Free Railroad Fare and Radio and Auto Course FREE!**

Right now I am including a free course in Radio. Also a complete course in Auto, Truck and Tractor Electricity and Storage Batteries and I'll pay your railroad fare to Chicago.

**Earn While You Learn**—We help students to secure part time jobs to earn a good part of their living expenses while training and assist them to a big pay job on graduation.

**SEND COUPON NOW!**

Don't delay a minute—send that coupon right now for my big free catalog and full particulars of special offer. No obligation on your part at all. ACT NOW!

**COYNE Electrical School**  
H. C. LEWIS, President  
Dept. C-647  
1300-10 W. Harrison St.  
CHICAGO, ILLINOIS

Get my Big Free Book

**SPECIAL OFFER NOW**

**Mail this Coupon**

H. C. LEWIS, Pres.  
Coyne Electrical School Dept. C-647  
1300-10 W. Harrison St., Chicago  
Dear H. C.: Please send me free your big new catalog and full particulars of your Free Railroad Fare Offer and two free courses.

Name.....  
Address.....  
City.....  
State.....

**WFMOUNTAINS**  
 from page 4)  
 enterprise. He is a  
 and is considered one  
 of amateurs in the  
 contains a completely  
 laboratory in his palatial  
 Hills. He has applied his  
 engineering skill to the work of  
 station personnel in making  
 100-watt 100 per cent efficient.  
 members of the staff are M. G.  
 mick, assistant announcer; Byron C.  
 program director; Wm. K. Aughen-  
 baugh, chief operator, and Lester Davis,  
 assistant operator. Theodore Arter, Jr.,  
 is vice-chairman of the board of directors.  
 A full schedule is maintained. Monday  
 is the only silent day. There are thirty-  
 two programs each week. Special studios  
 are maintained in all the principal public  
 buildings and hotels in Altoona. There  
 are also special broadcasting facilities in  
 the First Methodist, First Baptist, St.  
 Luke's, Christ Reformed and St. Mary's  
 German Catholic churches.

**WEAO, OHIO STATE "U"**  
 (Continued from page 5)

the departments. He opens the principal  
 evening program of each week with  
 chimes music, played at Orton hall, and  
 then hurries over to the studio to tell a  
 story to the children. Thousands of Ohio  
 boys and girls know him as "Uncle Al."  
 Robert Coleman joined the staff as  
 studio announcer after having had con-  
 siderable experience as musical director  
 and organizer at one of the student cen-  
 ters near the Ohio State campus.

Radio was an important medium for the  
 development of Robert E. Derringer,  
 whose clear tenor voice is heard on the  
 Fort Hayes hotel hour every Thursday

**CLASSIFIED  
 ADVERTISEMENTS**

**HOW** about that new set you want to  
 buy? What are you going to do  
 with the old one? A Radio Digest  
 classified advertisement will sell it for you.

Rates are twenty cents a word for each  
 insertion. Five per cent discount for four  
 insertions, 10 per cent discount for six in-  
 sertions, 15 per cent discount for twelve  
 insertions, 20 per cent discount for twenty-  
 four insertions (each issue for 1 year).  
 Name and address are counted. Two ini-  
 tials count one word. Cash must accom-  
 pany order. Minimum of ten words. Ob-  
 jectionable and misleading advertisements  
 not accepted.

Copy reaching us not later than August  
 25 will be in time for our September 15  
 issue.

**DOGS**

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

**FOR SALE**

Motor-Generator Set: Sherman; 500-volt  
 generator driven by 1/4 H. P. 110-volt, 60-  
 cycle A. C. Motor. Both units coupled with  
 flexible universal and mounted on cast  
 iron base. Make offer. Radio Digest Lab-  
 oratory, 510 No. Dearborn St., Chicago.

**MISCELLANEOUS**

Photos of Your Favorite Radio Stars. Ten  
 cents and coupon appearing on another  
 page of this issue will entitle you to one  
 of the photos from Radio Digest gallery of  
 stars. Radio Digest, 510 North Dear-  
 born Street, Chicago.

**PATENT ATTORNEYS**

**PATENT ATTORNEYS**

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

**RADIO**

600-MILE RADIO, \$2.95. Needs no tubes  
 nor batteries. Over 200,000 already sold.  
 A real set, not a toy. Sent postpaid. Order  
 direct from this ad. Crystal Radio Co.,  
 Wichita, Kansas.

Radio Builders—We manufacture Radio  
 Cabinets any amount, one cabinet to  
 your season's supply, let us figure with  
 you. Peshtigo Building Supply Company,  
 Peshtigo, Wisconsin.

Closing out all of my Radio stock. 200-  
 ohm potentiometer with silver knob and  
 dial, 10 cents; Howard rheostats 6 1/2, 6 3/4  
 or 25-ohm, 75 cents; Filkostats, 50 cents;  
 set eight lettered binding posts, 25 cents;  
 variable condensers with dial and vernier,  
 13-plate, \$1; 23-plate, \$1.50; 4-inch black  
 dials, 3-50 cents; 3-inch, 3-35 cents.  
 Bronsteins Pharmacy, 4600 Lincoln Ave.,  
 Chicago.

**SALESMEN WANTED**

A PAYING POSITION OPEN to repre-  
 sentative of character. Take orders shoes-  
 hosiery direct to wearer. Good income.  
 Permanent. Write now. Tanners Shoe  
 Mfg. Co., 8-707 C St., Boston, Mass.

night from WEAO. This hour is the  
 oldest of the regular programs of the sta-  
 tion, and Derringer probably is the most  
 popular singer of the many individuals  
 heard frequently. Among women singers,  
 Dorothy Stevens Humphrey, who is  
 known alike to Central Ohio and the Chi-  
 cago district, where she appeared in con-  
 certs extensively and sang from WIBO,  
 probably is first choice.

Mrs. Ann Charles has had the assign-  
 ment of carrying out WEAO's policies  
 for more than two years. She plans her  
 programs, lectures, plays, etc., well  
 ahead, listing in the fall the schedule of  
 educational material for the whole winter.  
 During the past season the variety of sub-  
 jects covered would have given a liberal  
 education to anyone following them, and  
 the indications are that hundreds or thou-  
 sands in Ohio do so.

The list included eye conservation talks,  
 Radio, household economics, dairy and  
 livestock talks, sports discussions, golf  
 talks by one of the leading golfers of the  
 country; psychology in business, child  
 training and education; elementary points  
 of law, market trends, sanitation and  
 health matters, practical science and  
 chemistry, veterinary medicine, gardening  
 and landscape, architecture, art, journal-  
 ism, finance, income taxes, physical  
 training, electrical engineering—in fact,  
 lectures and talks representing almost  
 every department of every college on the  
 campus. In addition the station has sent  
 out addresses on special subjects by many  
 noted educators, scientists and visiting  
 celebrities.

**RADIO FILLS CHURCHES**  
 (Continued from page 3)

in addition to it, or a substitute where actual  
 attendance is impossible.

A large number of the stations not  
 owned or operated by religious bodies  
 have the Sunday service in charge of

**FREE TUNING CHART**

Shows wave set is tuned  
 to. Tells where to set dials for any station.  
 Identifies programs received.

Send 2c stamp for sample copy.  
**RADEX, P. O. Box 143-S, Cleveland, O.**

**World's Finest Loud Speaker**

A three-foot cone  
 speaker—unit developed  
 by the inventor of the  
 Tropadyne. Easily as-  
 sembled, saving 80% of  
 the cost. Complete Kit  
 with blue prints sold on  
 rigid money-back guar-  
 antee. Shipped prepaid  
 or C. O. D., \$10.

Engineers' Service Company  
 25 Church St., New York

**LYNCH  
 METALLIZED  
 FIXED RESISTORS**

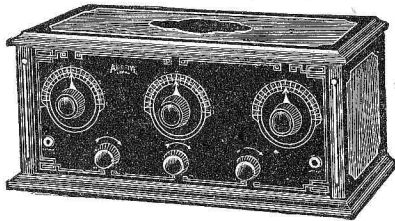
ARE WARRANTED  
 Absolutely Noiseless—Dependable!  
 Permanently Accurate



Write for complete information  
**ARTHUR H. LYNCH, Inc.**  
 Fisk Bldg., Broadway & 57th St., New York, N. Y.

**ATEC FIVE**

\$85 Complete  
 NOTHING ELSE TO BUY



A trial will convince you that this is the  
 set to buy.  
 Have your dealer demonstrate the ATEC  
 to you. If he does not handle them write  
 us direct.

Dealers write for exclusive proposition

**Atec Products**

Manufactured by  
**Able Tool & Engineering Co.**  
 536 W. ELM ST. CHICAGO, ILL.

various local churches in rotation, a plan  
 which seems satisfactory to all of them.  
 Well-known hymns are the most popular  
 parts of the program and many letters are  
 received asking for this or that particular  
 old favorite. Prayers are avoided by  
 some ministers as not being suitable for  
 this purpose. Most of them try to keep  
 away from specific doctrines and to avoid  
 anything that might be offensive to a  
 listener of another faith.

**Collections Are Growing**

In fact, it is the fostering of this spirit  
 of broadmindedness and tolerance that  
 several writers gave as being the great  
 contribution of Radio to religion. Sta-  
 tions giving violent and radical religious  
 expression are most apt to be tuned out,  
 while the service run on the strictly  
 humanitarian and undenominational lines,  
 like the Little Brown Church of WLS,  
 offends no one, whatever his belief.

The size of Radio church audiences can-  
 not be computed. Most of the stations in  
 the survey admit frankly they do not  
 know, while some make qualified esti-  
 mates of 1,000 up to 200,000, but no satis-

**BATTERIES \$7.98**

6 V. 100 Amp. One piece, solid rubber cases.  
 GUARANTEED 2 YEARS  
 2% Discount Cash With Order.  
**CHICAGO BATTERY WORKS**  
 1214 S. Peoria St. Chicago, Ill.



**Use Your Radio as  
 an Electric Phonograph**

Results equal to the new high-priced  
 Electric Phonographs now appearing  
 on the market.

Inexpensive to hook up. Does not spoil set  
 for radio use. Send \$1.00 for complete plans.

**Mogle & McClelland**

1024 MAIN WINFIELD, KANSAS



Tones clearer, voices more distinct, and  
 volume greater with—AMPERITE. No mov-  
 ing parts. It brings the utmost out of each  
 individual tube. Specified in all popular  
 construction sets. Price \$1.10.

**Radiall Company**

Dept. R.D.-3 50 Franklin Street, New York City



The "SELF-ADJUSTING" Rheostat

**A&B Battery \$2**  
**Charger ONLY**  
**SATISFACTION GUARANTEED**



Charges any type  
 of storage A or B  
 battery, using a few  
 cents worth of ordi-  
 nary house current,  
 either alternating or  
 direct. Cannot injure  
 battery. Complete di-  
 rections enclosed. Any-  
 one can operate. No  
 expensive "extras" to  
 buy.

Why pay \$10.00 to  
 \$15.00 for a charger  
 when you can get this splendid GUAR-  
 ANTEED 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. A-47 308 East Third Street  
 CINCINNATI, OHIO

factory means of counting Radio audi-  
 ences has been determined.

One feature of growing importance in  
 church Radio is the collection. This is  
 particularly significant, as it must be  
 purely voluntary and straight from the  
 heart. One church writes that in three  
 years their Radio gifts have reached  
 \$8,000 without any appeal for funds. The  
 Y. M. C. A. of one town received \$400 in  
 one season, also without any solicitation.

One writer comments that the man who  
 is not ashamed to slip a dime in the col-  
 lection box in church does not hesitate to  
 slip a dollar bill into an envelope in grate-  
 titude for some Radio service which he  
 finds particularly inspiring.

**THE  
 McQuiddy Press**  
 Announces the Publication  
 of  
**"HOWDY JUDGE!"**  
 A volume of dialect stories in character  
 —brim full of wholesome humor, by  
**GEORGE D. HAY**  
 "The Solemn Old Judge"  
 Orders are being received by The McQuiddy Press,  
 110 Seventh Avenue North, Nashville, Tennessee.  
 \$1.25 per copy. First issue out August 20th.

**6-Volt  
 Storage  
 Radio "A"  
 Battery**  
**\$5.00**  
 C.O.D. Send No Money  
 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 for Trickle  
 Charger. Famous World Quali-  
 ty assured. Equipped with  
**Solid Rubber Case**  
 an assurance against acid and leakage. Order Now. We  
 ship same day—by express C. O. D. subject to your exami-  
 nation on arrival. Extra Offer: 5% discount for cash in full  
 with order. ACT TODAY!  
**World BATTERY CO.**  
 Dept. 148,  
**STORAGE BATTERIES 1219S. Wabash Ave., Chicago**  
 KOKA-WEAF-WGN-WJLS-KHJ-KGO-KFAP-WJY-KOP

**FIBRE RADIO HORNS**

No. 2440  
 7x7x8 1/2 Inches  
 Deep  
 Hardsocg Horns are acoustically and me-  
 chanically correct and deliver pure full tones  
 without distortion or vibration. Being made  
 of long-grain wood fibre they are the lightest  
 horn made and are practically indestructible.  
 No. 2440 Complete with  
 High Grade Unit ..... **\$5.00**  
 Unit Only ..... **\$2.00**  
 Send for circular of other models  
**HARDSOCC MFG. CO.**  
 Ottumwa, Iowa

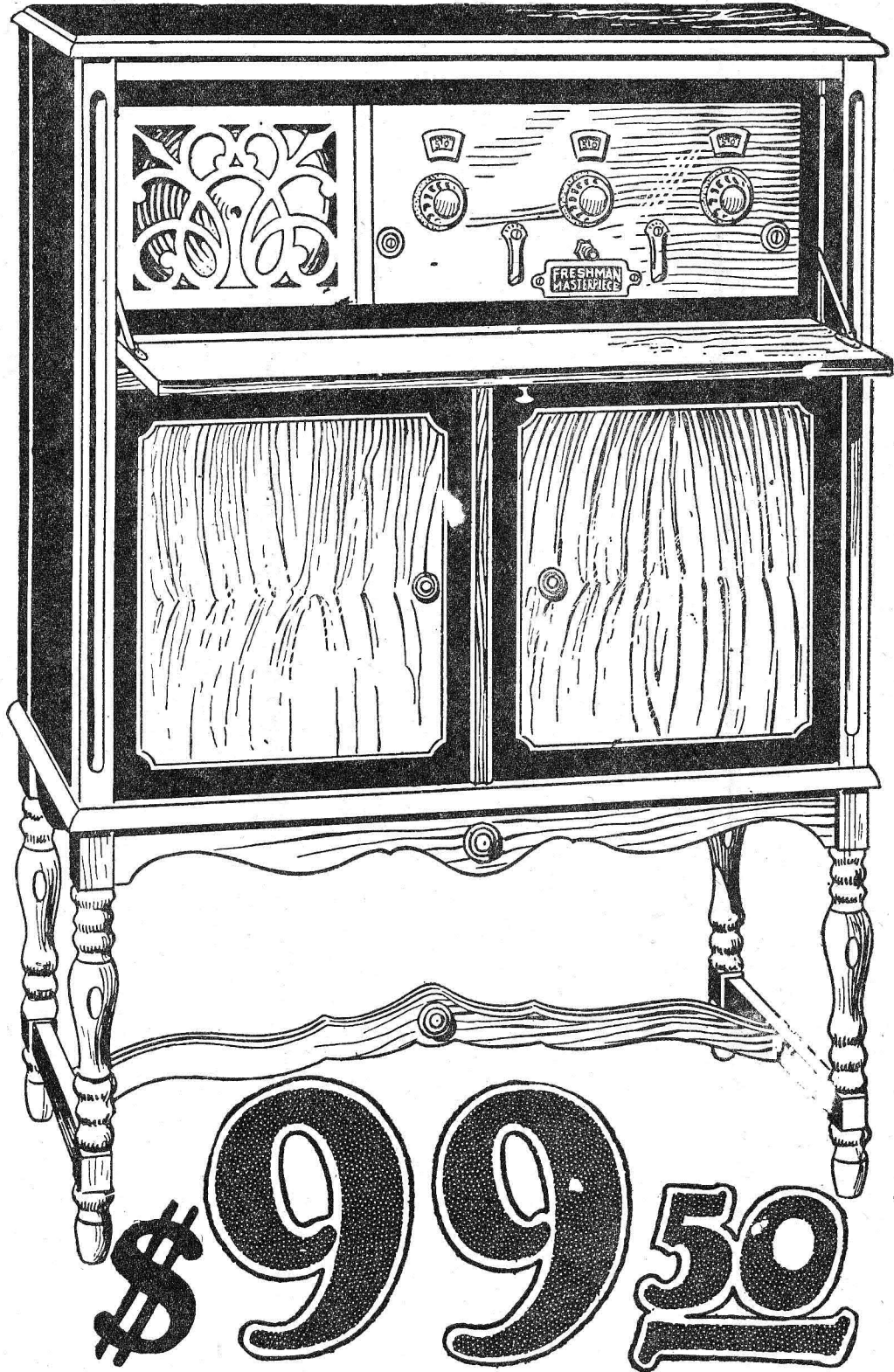
**22 1/2 Volt  
 un-acid  
 everlasting  
 rechargeable  
 "B"  
 STORAGE  
 BATTERY  
 \$2.95**  
 Includes  
 Chemical

45 volts, \$5.25; 90 volts, \$10.00; 112 1/2 volts,  
 \$12.50; 135 volts, \$14.75; 157 1/2 volts, \$16.80.  
 Truly the biggest buy today. Easily  
 charged on any current including 32-volt  
 systems. Any special detector plate volt-  
 age had. Tested and approved by leading  
 authorities such as Popular Radio labora-  
 tories. Over 3 years sold on a non-red tape 30-day trial  
 offer with complete refund if not thoroughly satisfied.  
 Further guaranteed 2 years. Knockdown kits at great  
 savings. Complete "Hawley" "B" battery charger, \$2.75.  
 Sample cell, 35c. Order direct—send no money—simply  
 pay the expressman cost on delivery. Or write for my  
 free literature, testimonials and guarantee. Same Day  
 shipments. B. Hawley Smith, 817 Washington Ave.,  
 Danbury, Conn.



# QUALITY

with  
**100% Reserve Power**



New and Improved  
**FRESHMAN  
MASTERPIECE**

**"THE ARISTOKRAT"**

A one-piece Console  
of finely selected

**Genuine  
Mahogany**

One of the finest pieces of furniture in which  
a radio receiving set has ever been installed. It  
is truly an aristocrat with its distinctive, finely  
proportioned lines and rich lustrous finish.

**Equipped with  
the finest of  
CONE SPEAKERS**

especially designed to bring forth the full merit  
of the new construction of the Freshman Master-  
piece circuit. Designed for the employment of  
the new UX-112 Radiotron Power Tube and  
the necessary "C" battery connection—all metal  
SHIELDED front and sub-panel.

**Sold on easy terms by Authorized  
Freshman Dealers, who also  
install and service them**

**CHAS. FRESHMAN CO., INC.,  
FRESHMAN BUILDING, NEW YORK**

**GENUINE RCA RADIOTRONS**  
are shipped with Freshman Masterpiece Receivers—matched  
and tested for each individual set. Price with this equip-  
ment [one UX 112 Power Tube; one UX 200A  
Detector Tube; three UX 201A Amplifying Tubes] **\$117**

Write for our beautiful new booklet illustrating  
and describing our 1927 Receivers and Accessories

# Worlds Greatest Radio!