#### Dramatist Tells How Audience Can Be Made to See Over Radio

Henry Fiske Carlton Says It Is Different Problem from Presenting Drama in Theatre or on Screen.—Each Actor Must Subtly Describe His Surroundings

the English department of New York doors, slapping, kissing (yes, even kiss-University and a graduate of Prof. rector, but even that is not enough, for Baker's Dramatic Work Shop at Har- your radio dramatist must let his au-ward. He wrote the play, "Up the Line," dience know what noise he is hearing. which was awarded the Harvard prize of has heard, or is about to hear. Of in 1925 and was produced on Broadway course, he should not do it too badly, in November, 1925.)

He cannot have his characters say, for

In November, 1926.)

How can you make an audience see example, in a love scene—

No. I am not talking about television. I am talking about radio drama. You can't? Well, if you want to be a radio dramatist and you can't make your listy you can't hold them and, believe me, no audience in the world can walk out on specific to the seems see as well as hear your play, you can't hold them and, believe me, no audience in the world can walk out on specific to the seems a seem that seem properly written, there you as result as the radio audience—a comes a point at which the kiss is the

sudience in the world can walk out on you as easily as the radio audience—a comes a point at which the kiss is the next logical step (if love, or love scenes are ever logical).

44.40, or even 8.55 for their seats and they won't stay on, hoping to get their will will take a short speech from the moneys' worth. They haven't had to fight subway jams and traffic tangles to reach crowded theatres; neither are they hesitant to leave for fear they say. Don't move or I'll shoot. Halt!" (Two quick shots.)

Is it necessary for them to go out with Obviously the noises are shots. San-

with any of a dozen or more programs more, they see it.
theirs for the turn of a dial. In radio This is action on the radio—and acyou must compel attention, and you tion, heard and seen, compels attention.

of the Santa Maria and sees the moving light far away on the dark horizon—your listener must see it too! If the Boone rale dash of wills may create action—but there must be a clash, or the promise quench the fiames, every member of your audience must see the fire. Any kind. The more the better, make your audience see are the special secrets of the radio dramatist.

To mention a few of his problems, I battle, and by that I mean a real battle, an

To make your audience see, it is ties beneath the cuter skin—these, of necessary to make your characters decourse, are the holes in your sponge scribe what they see. In order to excess bought—are lined throughout with plain, I will quote just a line or two a gray-brown, sticky, glutinous sub-from "The Battle of New Orleans." Liv- stance of the consistency of treacle.

ig: Livingston: "The centre column is matter.

are reforming—they are coming on!"

Jackson: "That is really magnificent. GENUINE Livingston, in the face of our fire—but they can't make it." Livingston: "The left column is

reaching our centre breastworks, Sir."

Jackson: "Bring up the reserves to
the left—come—"

Now you must make them see by noises which are used to illustrate the action, but here is another problem, for noises over the microphone are misleading. When we first began our "Great Moments in History." now one year old, we had no idea how to use the noises and less of an idea how to create them. The noise that comes out of the loud speaker is seldom a natural sound. Take a pistol shot or gun fire—Do you tecall the Lindbergh celebration at Washington? You heard the big guns in salute and, you know, the gun sounded like nothing so much as the click of a door latch. Likewise a pistol fired in

By HENRY FISKE CARLTON, sound illusion of marching soldiers, (Henry Fiske Carlton is a member of running horses, the breaking down of

is it necessary for them to go out with

Obviously the noises are shots. Sana half-spent evening on their hands.

No. sir! Your radio audience is comfortably seated at home—in mansions calls "Halt" sharply. Evidently, the
on Fifth avenue: Euclid or Michigan person has moved—another "Halt" arenues, apartments on Fulton, Boyl-then he shoots. That is clear. You ston and Genesee streets; houses on have told your listeners what noise to up-state, Hoosier or Hawk-eye farms—expect—they hear it—and, what is

have only one sense—the ear—through And speaking of action, strange as it which to do it. It is quite a different may seem, it is even more necessary in problem from presenting drama in a radio drama than it is on the stage. At theatre or on the screen. How can you theatre audience may listen to people do it? You've got to make your auditalking if they can see them, watch ence see! their little gestures and movements and when Columbus stands on the deck the expressions on their faces but, over of the Santa Maria and sees the mov- the radio, mere talk soon palls. Some-

talking, you must destinguish each of your actors by a sharp contrast in their must use as little distoct as possible, and to follow. To must use as little distoct as possible, and to follow. To must use as little distoct as possible, and to follow. To for it is, as a rule, hard to follow. To make your listeners see vividly the characters who are talking, you must repeat their names often. Take, for example, an excerpt from "Paul Reverce".

Hancock: "Tes Paul Reverce "Marrer should the matter?"

Revere: "Marrer should the matter?"

Revere: "Marrer should the radio dramatist has the bear upcetting all near the Five Bells been upcetting all near the Five Bells or receipt I will esteem it a great honor, Allow me to subscribe that master that master that they not must use as little distinct as possible. Cochran asserted that master they must department composed the tax on the public House for four months."

Here's one definition of wireless: obliged and obt, servant."

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Wireless telegraphy is used at sea as the follows: In disaster to another ship are concerned. The summer months, you must repeat their names often. Take, for make your list enters the master of the source of the four months."

Here's one definition of wireless: obliged and obt, servant."

Wireless telegraphy is used at sea as the follows: In disaster to another ship of the four ships business, for rate it has matter to give help, for ship's business, for rate it has matter to give help, in disaster to another ship are concerned. The summer months, "Interest the follows: In disaster to another ship are concerned."

The body left for (ah, but that is lately right," said Judge Expense O. the radio open the fill. One continue was void, as radio community to give help, for ship's business, for rate it has put into play.

The mobility for the radio open to the source of the four months."

The whole problem is fascinating. The contract has not the four months."

The whole problem is fascinating.

Hancock: "Yes, Paul Revere, what's the matter?"

Revere: "Matter enough, Hancock. The Red Coats are coming. Is Sem Adams in the house with you?"

Hancock: "He is right here with me. Oh, Sam—Sam Adams!"

Adams: "Yes, yes. I'm coming."

No character in the radio drama must be allowed to speak more than one line or express more than a she makes his audience see what is thought without identifying himself, or being identified by the other characters. Actors voices are a boon to the fadio dramatist, but it is not easy to she is interesting and so long as he is interesting and so long as he makes his audience see what is going on.

Sponge Is Really a Skeleton.

The sponge as you see it is really the.

find voices that are strikingly different skeleton of a live animal. When a and voices that are strikingly different skeleton of a live animal. When a and still natural and pleasant to lisen sponge is brought up alive out of the to. The microphone—that autocrat sea it bears no resemblance to the which unbends to no one—has a tend—sponge of the bath It is then covered ency to iron out the differences in with an outer skin, or membrane in voices and make them sound too much which the pores appear or disappear at the animal's will. The canals and cavitation are the broadth the cover skin, these of ingston, Aide to Gen. Jackson, is talk. This is "sarcode"—the fishermen calling:

it the "milk of the sponge—and is live

Livingston: "The centre column is matter. giving away—they are falling back!"

Jackson: "Good! Ah, Livingston; that's fine."

Livingston: "But the left column is coming on—oh, Sir, look at that! The right column is joining the centre—look at them! General Jackson, they are reforming—they are coming on!"

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SUPPLY CO. 60 PINE STREET

Providence Tel. Gaspee 6528-6529

the studio merely blasts the "mike"

and sounds not a bir like a pistol. All of these problems, together with the

#### "Old Fogey's" VOOZE ON BOOZE

Brought both praise and censure aplenty. He has partly promised to sing.

NEXT WEDNESDAY EVENING AT 8 O'CLOCK OVER WLSI 275 METERS

Will be lose his nerve? Well, we shall see! Will you be with us? We hope so!

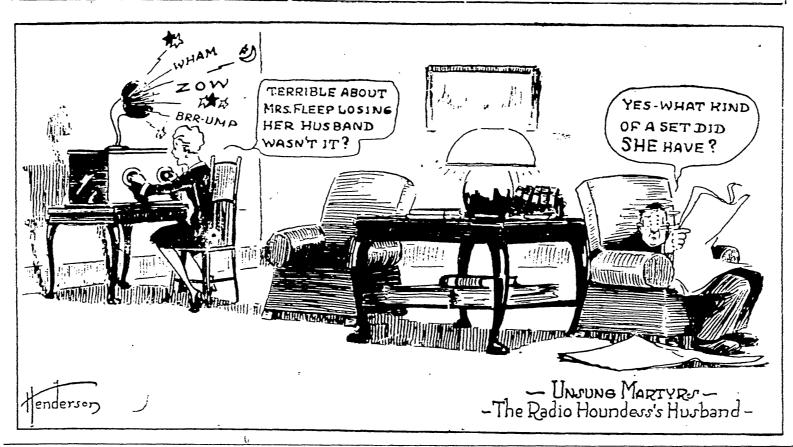


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#### SHORT CIRCUITS



#### With Providence Radio Hams'

Amateur operators of Providence are

vided adequate legislation covering the field and the State or municipality has no jurisdiction in the field of broad-

Congress has exclusive regulation of radio communication as it is of such a nature as to permit uniform control The American Radio Relay League

#### Weekly Radio Test

What is meant by "harmonated reception?

Does a horn amplify? What is a "free floating"

#### HASHIMURA TOGO?

your broadcasting), 4 sort of broadcast, ing, 5 name of your transmitter. Bements hung up and many new devices sides to be bestowed your photograph or receipt I will esteem it a great honor.

Here's one definition of wireless: obliged and obt. servant."

#### RADIO PROGRAMS

WJAR begins its week of programs at theard. Thursday at 2:30 p. m. will be 11:55 a. m. with the Capitol Theatre broadcast a studio program and special-symphony concern featuring Mary Lewis. The usual programs will be observed at 5:30 p. m. the American soprano. At 6:30 p. m. the American week. WJAR—OUTLET COMPANT—3:5
374.8 Metres—800 Kilseycles—360 Watts.
11:55 a. m.—Capitol Theatre symphony concert, featuring Mary Lewis, soprano.
6:27 p. m.—Weather report.
6:30 p. m.—Weather report.
7:20 p. m.—Weather report.
9:00 p. m.—Gupitol Theatre program.
9:00 p. m.—Gupitol Theatre program.
9:00 p. m.—Cupitol Theatre program.
9:01 p. m.—Capitol Theatre program.
9:15 p. m.—Correct time.
9:15 p. m.—Gobert W. Powers's orchestra.
Monday.
1:05 p. m.—Studio program.
1:30 p. m.—Weather report.
1:35 p. m.—Continuation of studio program.
6:45 p. m.—Earl Shean and his orchestra.
7:30 p. m.—Weather report.
7:35 p. m.—Joint recital by Clara Sabin Foster, soprano, and George Guiski, pianist.
6:00 p. m.—Hawaiian Island Four.
8:20 p. m.—The Rhode Island Historian.
8:30 p. m.—General Motors family party.
Tuesday.
10:00 s. m.—Housewives' Radio Exchange, a department conducted by Mrs. Wood on matters of household interest, by radio household institute. Legion Band, Weymouth Post, 79, will be broadcast, at 7:20 p. m. the Capitol Theatre program, and at 9 p. m. a talk by David Lawrence on "Our Government." The Robert W. Power's Orchestra will be broadcast at 9:15 p. m. The A. & P. Gypsies will be on the all at 8:30 p. m. tomovrous At 8:30. air at 8:30 p. m. tomorrow. At 8:30 p. m. Tuesday will be heard a safety talk sponsored by the Providence Safe-ty Council. At 8 p. m. on Wednesday National Musicalities will be broadcast. The station will broadcast a special Thanksgiving program at 8 p. m. Thursday. Samuel Holstead. Scotch tenor.

will be on the air at 6:30 p. m. on Friday. "RCA Hour" presenting Walter Damrosch conducting the New York Symphony Orchestra, will be broadcast at 8 p. m. on Saturday.

WEAN starts broadcasting at 11 a. m. with the service from Mathewson Street Methodist Church. The Columbia chain programs will be on the air at 3 p. m. 4 p. m., 9 p. m. 9:30 p. m. and 10 p. m. An organ recital will be broadcast at 6:30 and the Asia Serenaders at 7:30 p. m. At 8 p. m. there will be broadcast the Grand Orchestra of the Women's Musicians' Association, tomorrow. The usual programs will be heard on Tuesat 8 p. m. on Saturday. usual programs will be heard on Tues-day and Wednesday. Thursday at 10:30 a.m. will be broadcast from the 10:30 a. m. will be broadcast from the Cathedral Church of St. Paul a Thanksgiving service and at 5 p. m. a Thanksgiving concert. The German Maie Chorus will be on the air at 8 p. m. on Friday. Boston College vs. Holy Cross football game will be broadcast at 1:45 p. m. Saturday from the Braves Field.

WLSI starts its week of broadcasts at 10 a. m. with the service from the Pirst Church of Christ Scientist. The Melbourne Station Gets Rise Out of Quaint Character.

A listener living in Hananomachi. International Bible Students will be on the air at 6:30 p. m. and at 8 p. m. the service from the Church of the Japan, not long ago sent the following letter to Station 3LO in Melbourne. Seventh Day Adventist. The testimonial banquet for former Congressman O'Connell will be broadcast direct from the Narragansett Hotel Day droptics. The testimonial banquet for former Congressman O'Connell will be broadcast direct from the Narragansett Hotel Day orchesting to announcing to 9.45 p. m. The Hotel Dregfus Orchesting the Narragansett Hotel Day orchesting the Narragansett Hotel Day orchesting the Narragansett Hotel Dregfus Orchesting the Narragansett Hotel Day orche Australia:

"I take liberty to announcing to 9:45 p. m. The Hotel Dreyfus Orchestrou that I have ever picked up your tra will be on the air at 7 p. m. to-morrow. A Thanksgiving service will be broadcasting with my 5 tube Regentrative Neutridyne Cercuit (which I built) Receiver or one with Loud Speaker. Since 24th September, 1926, and sufficiently made sure of the call sign, but to know it more exactly I require would you kindly tell me about the following matters; I your wave length, 2 powers, 3 day and time (by your broadcasting), 4 sort of broadcasts. be heard.

WCOT starts broadcasting at 1:30 p

m, with a patriotic program. Col. Frank L. Barrows, department com-mander of the Sons of Union Veterans

guestions submitted will be answere by radio.

11:00 a. m.—Radio household institute.

1:05 p. m.—Studio program.

1:20 p. m.—Weather report.

1:35 p. m.—Continuation of studio program.

gram.

p. m.—Honolniu Quintet, under the direction of Artie McKenzie.

5:00 p. m.—Weather report.

8:05 p. m.—Recital by John Eidney Dexter King, baritone: George R. Noble, planist.

p. m.—Action: George R. Rosse, pianist.
p. m.—Edward Keenan, tenor scholst.
p. m.—Safety talk, sponsored by the Providence Safety Council.
p. m.—Neal Knapp and Heien Gal-8:35

Providence Safety Council.

8:35 p. m.—Neal Knapp and Heien Gallagher.

9:00 p. m.—Correct time.

9:00 p. m.—Eveready Hour.

10:00 p. m.—Auction bridge game.

10:30 p. m.—Vandeville arrists.

Wednesday.

10:00 a. m.—Housewives' Radio Exchange, a department conducted by Mrs. Wood on matters of household interest.

Questions submitted will be answered by radio.

by radio.
a. m.—Betty Crocker, Home Service talk.

11:00 a. m.—Betty Crocker, Home service talk.

1:05 p. m.—Studio program.

1:30 p. m.—Weather report.

1:35 p. m.—Continuation of studio prospers.

7:25 p. m.—Weather report.

7:30 p. m.—The Soconyans," featuring Van and Schenck.

8:00 p. m.—Pational musicalities.

8:00 p. m.—Franklyn Smith and Clarence Carlson, violinists; Hazel White, sopprano soloist.

9:00 p. m.—Correct time.

9:00 p. m.—Goodrich Orchestra and quarties.

Thursday.

1:05 p. m.—Thanksgiving program.

1:30 p. m.—Westher program.

1:35 p. m.—Pollyanna's Thanksgiving message.

1:35 p. m.—Polyanna's Thanksgiving message.

7:25 p. m.—Weather report.
7:30 p. m.—Coward Comfort Holr.

8:00 p. m.—Special Thanksgiving program.
9:00 p. m.—Circquot Club Eskimos.
Friday.

10:00 a. m.—Housewives' Radio Exchange.
A department conducted by Mrs. Wood
on matters of household interest.
Questions submitted will be answered
by radio.

11:00 a. m.—Betty Crocker, home service
talk.

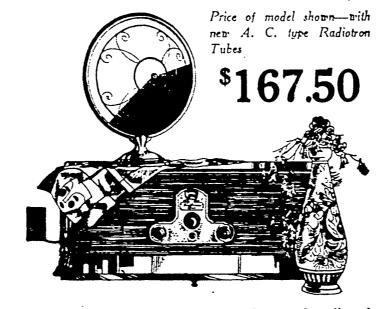
Continued on Page Eight

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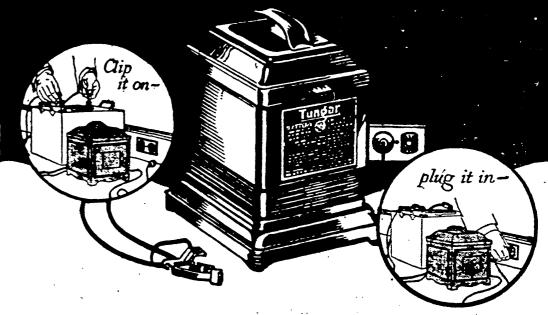
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teries are pepped up and ready for active duty. Tungar is weiting to give you the same convenience—to give longer life to your batteries. It is a product made

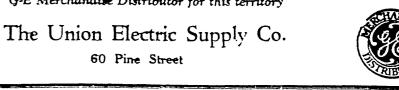
G-E Tungars (the General Electric Battery Chargers) are

Your dealer can help you. Ask him to show you the popular 2-ampere Tungar that gives both trickle and boost charging rates. It charges both "A" and "B" radio batteries, and auto



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### RADIO LORE FOR NOVICE AND EXPERIENCED FAN

#### Dramatist Tells How Audience Can Be Made to See Over Radio

Henry Fiske Carlton Says It Is Different Problem from Presenting Drama in Theatre or on Screen.—Each Actor Must Subtly Describe His Surroundings

I am talking about radio drama. You kiss." can't? Well, if you want to be a radio dramatist and you can't make your listeners see as well as hear your play, you can't hold them and, believe me, no you can't hold them and, believe me, no You needn't go that far. If the love audience in the world can walk out on scene has been properly written, there

Radio listeners have not paid \$3.30 or are ever logical). \$4.40, or even \$.55 for their seats and they won't stay on, hoping to get their will will take a short speech from the to reach crowded theatres; neither are is it necessary for them to go out with a half-spent evening on their hands. No, sir! Your radio audience is comfortably seated at home—in mansions on Fifth avenue: Euclid or Michigan person has moved—another "Halt" avenues, apartments on Fulton, Boylston and Genesee streets; houses on up-State, Hoosier or Hawk-eye farms—with any of a dozen or more programs with any of a dozen or more programs. This is action on the radio—and activities the second of t

ing light far away on the dark horizon—your listener must see it, too! If the Indians set fire to the stockade at Booneaborough and Daniel Boone ralles his small band of defenders to quench the fiames, every member of your audience must see the fire, and see Boone and his men as they stand fighting it. But how? The tricks that make your audience see are the special action can be put on in a radio fighting it. But how? The tricks that make your audience see are the special action can be put on in a radio performance.

Any kind. The more the better.

Any kind. The more the better.

Any kind. The more the better.

Any kind. The more the face to a limposting a vearly license fee of \$100.

The following are extracts from letters, and by the American Radio Relay League, sought an injunction to set aside a limposting a vearly license fee of \$100.

"Please send me a copy of the Wire—which is the face to a limposting a vearly license fee of \$100." "Please send me a copy of the Wire—which is the victory won by their procedent in the handing of similar fellows in a test case in Kentucky. The following are extracts from lettens.

An amateur at Wilmore, Ky., backed by the American Radio Relay League, sought an injunction to set aside a local ordinance regulating stations and earth."

The Red Coats are coming. Is Sam Adams in the house with you?"

Hancock: "He is right here with me.

No character in the radio drama must be allowed to speak more than one line or express more than a

one line or express more than a thought without identifying himself, or being identified by the other characters. Actors' voices are a boon to the radio dramatist, but it is not easy to find voices that are strikingly different skeleton of a live animal. When a and still natural and pleasant to lisen sponge is brought up alive out of the to. The microphone—that autocrat which unbends to no one—has a tend-ency to iron out the differences in voices and make them sound too much which the porce appear or disappear at

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Now you must make them see by noises which are used to illustrate the action, but here is another problem, for noises over the microphone are misfor noises over the microphone are mis-leading. When we first began our "Great Moments in History," now one year old, we had no idea how to use the noises and less of an idea how to create them. The noise that comes out of the loud speaker is seldom a natural sound. Take a pistol shot or gun fire—Do you recall the Lindbergh celebration at Washington? You heard the big guns in salute and, you know, the gun sounded like nothing so much as the click of a door latch. Likewise a pistol fired in the studio merely blasts the "mike" and sounds not a bit like a pistol. All of these problems, together with the

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Metallic Walls and Wash and the Harvard prize of has heard, or is about to hear. Of course, he should not do it too badly. He cannot have his characters say, for

How can you make an audience see ver the radio?

No, I am not talking about television, am talking about radio drama. You

The talking about radio drama. You

The talking the his characters say, for example, in a love scene—

He: "I am now going to kiss you."

She: "Yes, dear, I am ready for the kiss."

(Sound of a kiss.)

He: "There, I have kissed you."
She: "Yes, dear, you have kissed

you as easily as the radio audience—a comes a point at which the kiss is the turn of the dials and you're O-U-T!

moneys' worth. They haven't had to "Caballero's Way" heard recently in fight subway jams and traffic tangles "Re-Told Tales:"

Sanderson: "Hands up-hands up. might trample their neighbors' feet, nor Halt!" (Two quick shots.)

you must compel attention, and you tion hard and seen compels attention, have only one sense—the ear—through And speaking of action, strange as it have only one sense—the ear—through And speaking of action, strange as it which to do it. It is quite a different may seem, it is even more necessary in problem from presenting drama in a theatre or on the screen. How can you do it? You've got to make your audience see! At theatre audience may listen to people talking if they can see them, watch the company that the street audience may listen to people the treet audience may listen to When Columbus stands on the deck the expressions on their faces but, over of the Santa Maria and sees the movthe radio, mere talk soon palls. Someing light far away on the dark horizon
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Insist Un—

Radio Batteries

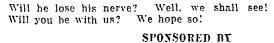
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60 PINE STREET Providence Tel. Gaspee 6528-6528

#### "Old Fogey's" VOOZE ON BOOZE

Brought both praise and censure aplenty. He has partly promised to sing.

NEXT WEDNESDAY EVENING AT 8 O'CLOCK OVER WLSI 275 METERS

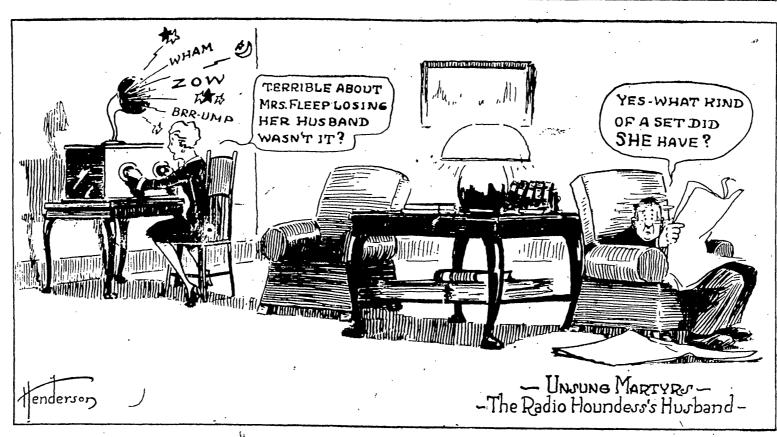


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#### SHORT CIRCUITS



#### With Providence Radio Hams

secrets of the radio dramatist.

To mention a few of his problems, I will point out that his characters must be clear and definite. Your listening be clear and definite. Your listening and on Lexington Green against the that radio communication was interested by the communication w

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radio communication as it is of such a nature as to permit uniform control throughout the United States. The American Radio Relay League

#### Weekly Radio Test

What is meant by "harmo-nated reception?"

2. Does a horn amplify? 3. What is a "free floating"

4. What does the flying broad-caster use for a ground?

Why does 'a long antenna bring in more radio energy? (Answers to these questions will be found elsewhere in the

(Copyright, 1927)

amateurs, that this will be the most in-

#### HASHIMURA TOGO?

Melbourne Station Gets Rise Out of Quaint Character.

### RADIO PROGRAMS

symphony concert featuring Mary Lewis. soprano. At 6:30 p. m. the American week. Legion Band, Weymouth Post, 79, will be broadcast, at 7:20 p. m. the Capitol Theatre program, and at 9 p. m. a talk by David Lawrence on "Our Government." The Robert W. Powers's Orchestra will be broadcast at 9:15 p. m. The A. & P. Gypsies will be on the air at 8:30 p. m. tomorrow. At 8:30 p. m. Tuesday will be heard a safety talk sponsored by the Providence Safety Council. At 8 p. m. on Wednesday National Musicalities will be broadcast. National Musicalities will be broadcast. The station will broadcast a special Thanksgiving program at 8 p. m. Thursday. Samuel Holstead, Scotch tenor, will be on the air at 8:30 p. m. on Friday. "RCA Hour" presenting Walter Damrosch conducting the New York Symphony Orchestra, will be broadcast at 8 p. m. on Seturday.

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m. with the service from Mathewson Street Methodist Church. The Columbia chain programs will be on the air at 3 p. m., 4 p. m., 9 p. m., 9:30 p. m. and 10 p. m. An organ recital will be broadcast at 6:30 and the Asia Serenaders at 7:30 p. m. At 8 p. m. there will be broadcast the Grand Orchestra of the Women's Musicians' Association, tomorrow. The usual programs will be heard on Tuesday and Wednesday. Thursday at 10:30 a. m. will be broadcast from the Cathedral Church of St. Paul a Thanksgiving service and at 5 p. m. a Thanks-giving concert. The German Male Chorus will be on the air at 8 p. m. on Friday. Boston College vs. Holy Cross football game will be broadcast at 1:45 p. m. Saturday from the Braves Field. WLSL starts its week of broadcasts

at 10 a. m. with the service from the First Church of Christ Scientist. The International Bible Students will be on Quaint Character.

A listener living in Hananomachi, Japan, not long ago sent the following letter to Station 3LO in Melbourne, Australia:

"I take liberty to announcing to over the station of the service from the Church of the Seventh Day Adventist. The testimore in lial banquet for former Congressman O'Connell will be broadcast direct from the Narragansett Hotel, ballroom at the service from the Church of the service from the service from the church of the service from th Australia:

"I take liberty to announcing to you that I have ever picked up your broadcasting with my 5 tube Regenerative Neutridyne Cercuit (which I built) Receiver or one with Loud Speaker. Since 24th September, 1926, and sufficiently made sure of the call sign, but to know it more exactly I-require would you kindly tell me about the following matters; 1 your wave length, 2 powers, 3 day and time (by your broadcasting), 4 sort of broadcast.

The Narragansett Hotel ballroom at 9:45 p. m. The Hotel Dreyfus Orchestra will be on the air at 7 p. m. to-morrow. A Thanksgiving service will be broadcast at 8 p. m. Tuesday. Rev. G. Shultz, speaker, and S. D. A. mixed quartet. Wednesday the usual program will be given: At 11 a. m. on Thursday will be broadcast the Brown-Colgate football game direct from the Brown Stadium. WLSI studio program will be broadcast at 8:15 p. m. on Friday. Saturday the usual program will be heard.

11:55 a. m. with the Capitol Theatre broadcast a studio program and special-symphony concert featuring Mary Lewis ties. The usual programs will be ob-

WJAR-OUTLET COMPANY-375
374.8 Metres-800 Kliecycles-500 Watts.
11:55 a. m.—Capitol Theatre symphony concert, featuring Mary Lewis, soprano.
6:27 p. m.—Weather report.
6:30 p. m.—Weymouth Post, No. 79, Ameri7:20 p. m.—Capitol Theatre program.
9:00 p. m.—Cour Government." by David Lawrence, editor of the United States Daily.
9:15 p. m.—Correct time.
9:15 p. m.—Robert W. Powers's orchestra.
Monday.
1:05 p. m.—Studio program. /
1:30 p. m.—Weather report.
1:35 p. m.—Continuation of studio pro8:45 sram. Evel Shape and his overbatter.

Monday.

1:05 p. m.—Studio program.

1:30 p. m.—Weather report.

1:35 p. m.—Continuation of studio program.

6:45 p. m.—Earl Shean and his orchestra.

7:30 p. m.—Weather report.

7:30 p. m.—Weather report.

7:35 p. m.—Joint recital by Clara Sabin Foster, soprano, and George Gulski, planist.

8:00 p. m.—Hawaiian Island Four.

8:20 p. m.—The Rhode Island Historian."

8:30 p. m.—Currect time.

8:30 p. m.—General Motors family party.

Tuesday.

10:00 a. m.—Housewives' Radio Exchange, a department conducted by Mrs. Wood on matters of household interest. Questions submitted will be answered by radio.

11:00 a. m.—Radio household institute.

1:05 p. m.—Studio program.

1:30 p. m.—Weather report.

1:35 p. m.—Continuation of studio program.

7:30 p. m.—Honolulu Quintet, under the

1:30 p. m.—Weather report.

1:35 p. m.—Continuation of studio program.

7:30 p. m.—Honolulu Quintet, under the direction of Artie McKenzle.

8:00 p. m.—Weather report.

8:00 p. m.—Recital by John Sidney Dexter King, baritone; George R. Noble, planist.

8:20 p. m.—Edward Keenan, tenor soloist.

8:30 p. m.—Safety talk, sponsored by the Providence Safety Council.

8:35 p. m.—Neal Knapp and Helen Gallagher.

9:00 p. m.—Correct time.

9:00 p. m.—Eveready Hour.

10:00 p. m.—Auction bridge game.

10:30 p. m.—Audeville artists.

Wednesday.

10:00 a. m.—Housewives' Radio Exchange, a department conducted by Mrs. Wood on matters of household interest. Questions submitted will be answered by radio.

1:35 p. m.—Continuation of studio program.

7:25 p. m.—Weather report.

7:30 p. m.—The Soconyans," featuring Variance of Schenck.

8:00 p. m.—Franklyn Smith and Clarence Carlson, violinists; Hazel White, sopprano soloist.

9:00 p. m.—Correct time.

9:00 p. m.—Correct time.

9:00 p. m.—Gordich Orchestra and quartet.

Thursday.

Thursday.

1:05 p. m.—Thanksgiving program.

1:30 p. m.—Weather program.

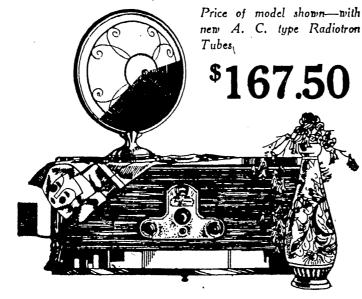
1:35 p. m.—Pollyanna's Thanksgiving message.

### The Last Word-The Truly Electric Set

This Radio uses no batteries—no liquids—no charging devices—operates direct from your electric-light socket through, new A. C. Tubes 226 and 227

### FREED-EISEMANN

THE RADIO OF AMERICA'S FINEST HOMES



Six tubes, one control. Wonderful volume and quality of tone. Extreme selectivity. Let us demonstrate this wonderful Electric Radio in your home.

Freed-Eisemann Radio sold to you on Easy Terms, if desired

#### REMEMBER:

It was a FREED-EISEMANN that was selected by the U. S. Navy for use on the President's yacht "The Mayflower"-Likewise FREED-EISEMANN was selected for use on the S. S. Leviathan-on the Dirigible Los Angeles-for the home of the Lord Mayor of London-and by thousands of best known Americans. FREED-EISEMANN is the only American radio ever awarded the Gold Medal at a European Radio World's Fair.

### GANSERT PIANO CO.

792 WESTMINSTER STREET



### General Electric Battery Chargers

give dependable, trouble-free, economical service



G-E Tungars (the General Electric Battery Chargers) are giving dependable, trouble-free, economical service to more han a million radio owners.

As these Tungar owners switch off their sets at night, they just turn on the Tungar .... in the morning their radio batteries are pepped up and ready for active duty.

Tungar is waiting to give you the same convenience—to give longer life to your batteries, 1 It is a product made and guaranteed by General Electric.

Your dealer can help you. Ask him to show you the popular 2-ampere Tungar that gives both trickle and boost charging rates. It charges both "A" and "B" radio batteries, and auto



#### GENERAL ELECTRIC

G-E Merchandise Distributor for this territory

60 Pine Street



The Union Electric Supply Co.

### BEWARE OF "DOPE" FOR BATTERY ILLS

"Rejuvenating"

Compound be

Found to Contain Mostly Salts

. Despite Advertised Claims, It Ha: Said to Be Positively Ruinous

By D. J. MacDONALD, (Merchandise Manager, Better Business Bureau of Providence.)

Do you remember the "Doctor" with long hair, 10-gallon Stetson and flowing coat tails that visited your town periodically, standing at the street corner under the dancing light of the kerosene torch that was always part of his equipment?

Do you remember how you listened in wonder to the eloquence and seeming knowledge of this gentleman as he offered his famous elixer which you were privileged to try "at his risk," and which he would guarantee to cure anything from fallen arches to watery eyes? And then you suddenly found yourself walking home with your won-derful purchase, perhaps to find later an apparently momentary "kick" they that you had paid dearly for a bottle of colored water.

carded his Stetson and frock coat, but not his habits, to play a small part in the history of storage batteries.

Since 1887, the storage battery field worthless medical panaceas, so battery the electro-magnetic waves.

has experienced periodic epidemics of curative explorations and it has recently undergone of these. A so-called battery life-saver, for which remarkable results are promised, has recently come to attention of this Bureau. It

this compound into a lead-plate storage battery, will correct the majority of ills and troubles to which it may your battery a chance to give you rea be heir. It is even claimed that its service. Don't dose it. You can prouse will allow a discharged battery to
be fully charged in from 10 to 20 minutes, and that it will double the life
of the battery.

An interested reader of advertising purchased a case of this compound and received with it a quantity of sales literature. From this literature was learned that this product would prevent about every known allment that a storage battery is subject to, such as of the United States radio manufac

tics of this product, it was also claimed the month of September she purchased that the life of the battery would be \$80.428 worth of receiving sets, with doubled, it would not overcharge a Australia second with \$34,355 and Arbattery and would always keep it fully gentina third with \$25,417. Argentina charged. These are but a few of the

many claims made. To quote the findings submitted by the enginer who conducted tests on this product, would take too much time and space. Briefly, the report contradicted every claim made for it and stated further that "additions of salt mixtures to the lead cell electro-lyte accomplished no useful effect whatsoever." Quite a contrast.

"Dope" solutions are by no means new, and from time to time are imposed upon the public by those who offer a remedy for all battery troubles, with pastes, fillers, solutions and other compounds. It has been proven that several of these "dope" solutions indioftentimes contain ingredients which

are absolutely rulnous.

The tendency of the present age is to look for "short cuts." but there are A recent incident in battery merchandising seems to indicate that the
old "Doctor" has shorn his locks, disbattery efficiency—any more than there

owners are periodically exploited by vendors of "cure alls" for battery ills. Just as these medical panaceas fail as an effective substitute for rational habfail in the same relation with storage

batteries. Let your service station diagnose and prescribe for your battery ills. Give

#### STILL GOOD BUYER

Canada Purchases \$80,428 in Receivers During Month.

That Canada is still a good customer sulphation, corrosion and shedding of plates and soft positives. Besides these wonderful characteris- the Department of Commerce. During gentina third with \$25,417. Argentina received shipments of tubes amounting

to \$22,519 and Australia \$20,611. The largest quantity of receiving set components was sent to Canada, the total being \$63,824. Argentina and Australia were second and third in this classification with \$40.978 and \$30,132. respectively. The value of receiving set accessories shipped to Canada ex-ceeded the amount paid for receiving sets, the total being \$107,282. Australia purchased \$44,381 worth. The total value of receiving sets

shipped was \$183,402; tubes, \$79,467; receiving set components, \$202,010 and

ANSWERS TO-RADIO TEST 1. Reception obtained when speaker unit matches the set. It merely enables the reproducing unit to get a better "grip"

receiving set accessories, \$219,397.

on the air. 3. One with a periphery, or edge that is free to adjust itself to conditions.

5. Because it has a better grip on

#### RADIO PROGRAMS

1:35 p. m.—Continuation of studio program.

8:00 p. m.—Weather report.

8:05 p. m.—Carl Agronick and his Manor Orchestra.

8:30 p. m.—Samuel Holstead, Scotch tenor.

8:50 p. m.—Historical talk, sponsored by the Rhode Island Society, Sons of the American Revolution. Subject, "Silas Talbot."

9:00 p. m.—Correct time.

9:00 p. m.—Whittal's Anglo-Persians.

9:30 p. m.—Automobile Club of Rhode Island talk.

Saturday. :05 p. m.—Al Williams and his orchestra

p. m.—Al Williams and his orchestra.
p. m.—Weather report.
p. m.—Gontinuation of studio program.
p. m.—Weather report.
p. m.—RCA hour, presenting Walter
Damrosch conducting the New York
Symphony Orchestra.
WEAN—SHEPARD'S—319.
Today.

Teday.

1:00 a. m.—Service from Mathewson Street
Methodist Episcopal Church.

3:00 p. m.—Columbia chain program.

4:00 p. m.—Columbia chain program.

4:00 p. m.—Columbia chain program.
6:30 p. m.—Organ recital.
7:00 p. m.—Columbia chain program.
9:00 p. m.—Columbia chain program.
9:30 p. m.—Columbia chain program.
10:00 p. m.—Columbia chain program.
Monday.

10:00 p. m.—Columbia chain program.

Monday.

11:55 a. m.—Time signals.
12:00 m.—Asia Serenaders.
12:30 p. m.—Weather report.
12:35 p. m.—Continuation of musical program.
4:00 p. m.—Musical program.
4:30 p. m.—Weather report.
6:30 p. m.—Boston dinner dance.
7:00 p. m.—'Dok'' Eisenbourg and his Sinfolians. fonlans.
7:25 p. m.—Army recruiting realities revealed.
7:30 p. m.—Correct time.

8:00 p. m.—Grand orchestra of Women's Musicians' Association. 8:30 p. m.—"Here's a New Book," by Linus Travers 8:30 p. m.—"Here's a New Book," by Travers 9:00 p. m.—Columbia chain program.

Charge Patrons

May Buy Now

and

Pay in January

Tuesday, 10:00 a. m.—Home service radio chat. 11:55 a. m.—Tima signal

10:00 a. m.—Home service ra
11:55 a. m.—Time signals.
12:00 m.—Asia Serenaders.
12:30 p. m.—Weather report.
12:35 p. m.—Continuation of gram.
4:00 p. m.—Organ recital.
4:30 p. m.—Dinner dance.
7:15 p. m.—Correct time.
7:20 p. m.—Icarde Chefs.
8:00 p. m.—Eastern Dairle.
8:00 p. m.—Eastern Dairle.

7:20 p. m.—Icarde Cheis.
8:00 p. m.—Eastern Dairies "Name Hunters."
8:30 p. m.—Op'ry House Tonight, WNAC
Players, 'My Irish American Cousin."
9:15 p. m.—Dudley Bible Radio Carollers
of the Dudley Institute.

of the Dudley Institute.

Wednesday,
8:30 s. m.—Community sing by The Shepard Chorus.
11:55 s. m.—Time signals.
12:30 p. m.—Weather report.
12:35 p. m.—Continuation of musical program.
6:30 p. m.—Continuation of musical program.
7:30 p. m.—Correct time.
7:31 p. m.—Feature talk.
8:00 p. m.—Rhodes Orchestra.
9:00 p. m.—Columbia Chain program.
10:00 p. m.—Columbia chain program.
Thursday.

10:00 p. m.—Columbia chain program.

Thursday.

10:30 a. m.—Brondcast from the Cathedral Church of St. Paul Thanksgiving Service.

11:35 a. m.—Cooking school.

5:00 p. m.—The Shepard Stores present a Thanksgiving concert.

6:30 p. m.—Asia Serenaders.

7:30 p. m.—Correct time.

8:00 p. m.—Depyro Hawaiians.

8:30 p. m.—Broadcast from Metropolitan Theatre studio.

8:30 p. m.—Broadcast 110m Theatre studio. 9:15 p. m.—Broadcast from Metropolitan Theatre, Metropolitan Grand Orches-

Friday.

8:30 a. m.—Community sing by the Shepard chorus.

10:00 a. m.—"American Homemakers" under the direction of Mrs. Ida S. Harrington.

ton.
11:55 a. m.—Time signals.
12:00 m.—Organ recital.
1:00 p. m.—Weather report.
4:00 p. m.—Musical program.
4:30 p. m.—Weather report.

6:00 p. m.—Jimmy Walsh and his oichestra.
7:05 p. m.—"Uncle Red" auspices Providence Safety Council.
7:30 p. m.—Correct time.
7:31 p. m.—Feature talk.
8:00 p. m.—The German Male Chorus.
8:30 p. m.—Musical program.
9:00 p. m.—Columbia chain program.
10:00 p. m.—Columbia chain program.
Saturday.
11:55 a. m.—Time. signals.

11:55 a. m.—Time. signals.
12:00 m.—Asia Serenaders.
12:30 p. m.—Weather report.
12:35 p. m.—Continuation of musical pro-

12:35 p. m.—Veatition of musical program.

1:45 p. m.—Broadcast from Braves Field, Boston College vs. Holy Cross football game.

6:30 p. m.—Boston dinner dance.

7:00 p. m.—Boston dinner dance.

7:00 p. m.—Gorect time.

8:00 p. m.—Program arranged by Willis Amisement agency.

8:30 p. m.—Musical program.

WLSI—LINCOLN STUDIOS, INC., 275.

10:00 a. m.—Service from First Church of Christ, Scientist.

6:30 p. m.—International Bible students program.

8:00 p. m.—Service from Church of the Seventh Day Adventist.

9:45 p. m.—Testimonial banquet for former Congressman O'Connell, broadcast direct from tharragansett Hotel ball-room.

Monday.

room.

Monday.

7:00 p. m.—Hotel Dreyfus Orchestra.

Tuesday.
6:30 p. m.—Guernsey Plaza Orchestra.
8:00 p. m.—Thanksgiving services, Rev. C.
Shultz, speaker, and S. D. A. mixed

Shultz, speaker, and S. D. A. mixed quartet.

10:00 p. m.—Hotel Biltmore Orchestra.

Wednesday.

8:00 p. m.—Musical program.

9:00 p. m.—Biltmore Market hour.

Thursday.

11:00 a. m.—Brown vs. Colgate football game, broadcast direct from Brown Stadium.

Friday.

10:00 a. m.—Studio program.

6:30 p. m.—Mother Hubbard.

7:00 p. m.—International Bible students program.
8:00 p. m.—Mrs. Marian Tetreau, astrolo 9:00 p. m.—Arcadia Dance Orchestra. 9:15 p. m.—WLSI studio program.

Saturday.
7:00 p. m.—Hotel Dreyfus Orchestra.
9:00 p. m.—Hotel Dreyfus Dance Orches

10:00 p. m .- Hotel Biltmore Orchestra.

WCOT-CONN'S OLYMPIA-225

4:45 p. m.—Service from the Shadysids
Presbyterian Church.
6:00 p. m.—Symphony orchestra.
7:00 p. m.—Service from Calvary Episcopal
Church.
8:15 p. m.—Collier's radio hour.
9:15 p. m.—Concert.
10:15 p. m.—Musical program. WCOT-CONN'S OLYMPIA-225
Today.

p. m.—Col. Frank L. Barrows, Department Commander, S. U. V. C. W.:
Christopher Carpenter, Department
Commander, G. A. R.; Brig. Gen.
William F. Flannigan; Rev. Alton G.
Verril, department patriotic instructor. Musical program, Mrs. Mattis
Camac, planist. and the Epwortli
Methodist Episcopal Church choir.
Chorus, "America:" Lincoln's Gettysburg Address, Rev. Alfred Wood;
chorus, "Columbia the Gem of the
Ocean:" a bass solo, "The Trumpeter," Mr. Making; chorus, "Camping on
the Old Camp Ground:" violin solo,
by May Gilpatrick, "Face to Face;"
chorus, "Tramp, Tramp the Boys Are
Marching;" solo and chorus, "Just Reforc the Battle Mother:" solo, "He
Sileps Beneath the Old Oak Tree,"
Mr. Clement; chorus, "Star Spangled
Banner," and taps.

Monday.

Monday.

Bainer," and taps.

Monday.

2:30 p. m.—Studio program.

7:30 p. m.—Roland Jamison and George Peterson, songs and stories.

8:00 p. m.—Walter Tradar's revelers.

8:30 p. m.—Ernest Reddy, soloist: Miss Gladys Buck, planist.

Tuesday.

2:30 p. m.—Studio program.

7:30 p. m.—Musical program.

8:00 p. m.—Joe Houllhan's melody boys.

Wednesday.

7:30 p. m.—Musical program.
8:00 p. m.—Joe Houllhan's melody boys.

Wednesday.
2:30 p. m.—Studio program.
7:30 p. m.—Musical program.
8:00 p. m.—Peter Favali, soloist.

Thursday.
2:30 p. m.—Studio program and specialties.

Friday.

p. m.—Studio program.
p. m.—Musical program.
p. m.—Sterling dance
Conn's Olympia ballroom.
Saturday. 3:30 p. m.—Chinatown mission program.
7:00 p. m.—String ensemble.
WEAF—NEW YORK—482.
orchestra,
11:55 a. m.—Capitol Theatre symphony con-

2:30 p. m.—Studio program. 7:30 p. m.—Musical program.

OUT OF TOWN STATIONS

To-Day

KDKA--PITTSRURGH--316 10:45 a. m.—Correct time. 11:00 a. m.—Church service. 2:00 p. m.—Roxy and his gang. 4:00 p. m.—Organ recital. 4:45 p. m.—Correct time.

R-A-D-I-O Exclusively 94 DORRANCE STREET \*\*\*\*\*\*\*\*\*\*\*

Marshall & Co.

WABC—NEW YORK—328

10:50 a. m.—Service from West End Press
byterian Church.

7:00 p. m.—Syncophase hour.
8:00 p. m.—Service from Fifth Avenue
Presbyterian Church.

WBAL-BALTIMORE-286

WBSO—BABSON PARK—384. p. m.—Midnight ministry.

WBZ—SPRINGFIELD—333
m.—Service from Trinity Church,
m.—Roxy and his gang.
m.—"Ten Years After," by Henry

WDRC—NEW HAVEN—288.
a. m.—Service from the Church de the Redeemer.
p. m.—Chinatown mission program.

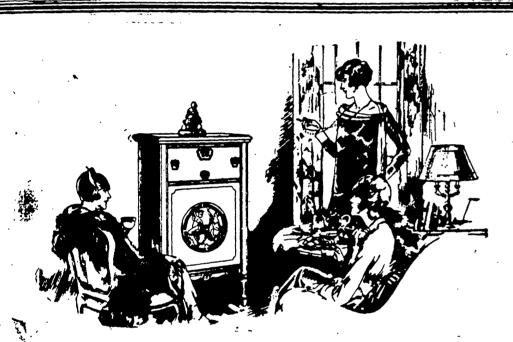
2:00 p. m.—Interdenominational church service under the direction of the

Continued on Page Nine.

7:30 p. m.—Concert orchestra. 8:30 p. m.—Musical exposition.

3:00 p. m.—Roby and his agents
J: Ryan.
5:30 p. m.—Radio vespers.
6:30 p. m.—Musical program.
7:00 p. m.—Blue and gold hour.
7:45 p. m.—Ensemble.
8:15 p. m.—Collier's radio hour.
9:15 p. m.—Collier's radio hour.
10:00 p. m.—Correct time.
10:00 p. m.—News flashes.
10:05 p. m.—Musical program.

11:00 a



#### STEWART-WARNER Matched~Unit Radio

TAPPY is the hostess, when WARNER Matched-Unit Radio you.

STEWART-WARNER Radio need not delay. entertains. No matter where the clock (hands point, by the turn of a single dial is selective, has excellent tone, range and she can present some wonderful broad-volume. STEWART-WARNER is a

radio brings an endless suc

in variety of appeal. It's the most interesting and inexpensive form of entertainment you can buy. Why be without it longer? When marvelous reception can be obtained so simply...so magi-

cally ... with STEWART-Model 520 (illustrated). Console of beautiful walnut and walnut venser. Six tubes. Single dial controk Built-in Reproducer. Priced



Here's a radio that you can be certain cast feature for the enjoyment of her guests. big, reliable institution, for 20 years a As stay-at-homes, women especially leader. Today, more than 17 million realize that every hour of the day . . . users of its products recognize the name morning, noon and night ... a good, modern "STEWART-WARNER" as a trade-

mark of satisfaction . . . the "Brand to Demand."

See, hear, test our wonderful, new models at your STEWART-WARNER Blue Ribbon Dealer's. Their performance, tone, becuty and moderate price will give you new conception of radio. values!

Stewart-Warner table cabinets and sonsoles range in professions \$80.00 to \$255.00. Reproducers, from \$17.50 to \$25.00. There is a model

#### Stewart-Warner Radio Distributor

110 Broadway

House of

Dependable

Values

Providence, R. I.

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### Meiklejohn

297 Weybosset St., Providence 300 Main St., Woonsocket

Authroized Slewart-Warner. Blue Ribbon Dealer

BUY YOUR STEWART-WARNER MATCHED-UNIT-RADIO AT THE



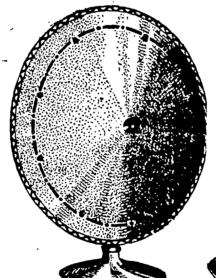
210 WEYBOSSET STREET

CONVENIENT TERMS ARRANGED

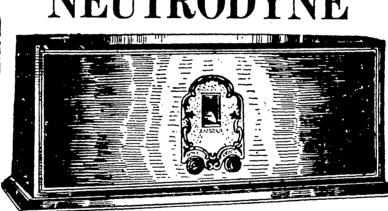
# he Mittet Communication

On Sale in Our Radio Store-Fifth, Floor-Use Garnet Street

Join the Crowds Who Are Taking Advantage of This Radio Value and Have One in Your Home for Thanksgiving The New 7 TUBE—Shielded—Single Dial\*



"FLEETWOOD" **NEUTRODYNE** 



This Large Set

Measures

ro inches high 24 inches long II inches deep The Cabinet is of Else

The Year's Sensation Licensed under patents of Radio Corporation of America-Hazeltine Neutrodyne Corporation — Latour — General Electric—Westinghouse Co.'s.

Weekly

What The Name "FLEETWOOD" Stands For In The Radio World!

-The name Fleetwood stands for precision and

-It stands for finest radio products. It is a promise of many joys and no worries.

-This set is made in a factory that occupies 90,000 feet of floor space. Here they have been making radio and telephone apparatus for over 30 years. Thousands of the sets made in this factory are giving excellent service throughout the United

-And this year in particular-they will be foremost because of the tremendous demand for the added power afforded by 7 tube Neutrodyne sets.

Everyone Has Heard of the

Philco Socket Power

The switch on the Fleetwood radio set controls everything. It is as easy as turning on your electric light. This Phileo Socket

-When you buy one of these complete outfits at \$129 you

are paying only \$49.50 more for the table model set and you

receive a \$46 cabinet, a \$59.50 Philco instead of the battery

equipment and you receive also a \$4.50 Power Tube instead of

There Are More Philco Socket Powers in Use Than Any

Other Single Type of Socket Power - Over 500,000 of

7 Tubes! Shielded! Single Dial! (Illuminated)

-Last year we sold many hundreds of 5 Tube Three Dial Sets. The set we offer this year is not a 5 tube set nor even a 6 tube set, but a powerful 7 tube Shielded, Single Dial Neutrodyne Set, much larger in size, and is as far ahead of the average 6 tube set as the latter is conceded to be ahead of a 5 tube set.

-7 Tubes Mean Added Power. Shielded means elimination of noises caused by internal coupling between stages-and Single Dial means simplicity and conven-

highly polished genuine mahogany, After 1st Payment

> Get with This Set for Only \$79.50 Complete

High Quality Accessories You

I Latest 7-tube Fleetwood Neutrodyne Set R. F. I. Large Cone Speaker

7 Genuine Cunningham CX301 A Tubes 3 45-volt B Batteries I Westinghouse Large Rubber Cased Storage

7 Complete Aerial Equipment Our Regular Price for This Outfit Would Be \$145!

Entire outfit guaranteed by the manufacturers and by the Outlet Company.

### Electrified with Philippe AB Socket Power

**Operates** House Current

Power alone sells at \$59.50.

the regular CX301A Cunningham Tube.

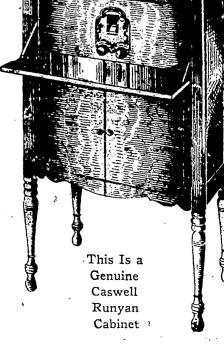
Them Were Placed in Use in a Single Year.

COMPLETE

In this highly figured Walnut finish Console Cabinet

If Sold at the Regular Price We Would Have to Charge You \$225 For This Outfit

Here is a superb, high priced outfit brought within vour reach. The Outlet Company has made it possible for you to have this Fleetwood Neutrodyne, equipped with Philco Socket Power, in a genuine Caswell Runyan Cabinet with built-in speaker (built to sell for \$46 alone), Caswell Runyan is one of America's finest cabinet plants.



After 1st Payment  $\blacksquare$  Broadcasting Station WJAR

#### NUMBERING WAVE LENGTHS FAVORED

Caldwell Says System Would Be Help to Listeners

Proposal Made by National Elec-

By the Associated Press). Orestes H. Caldwell of the Federal Radio Commission believes the proposal of Ralph H. Langley to number broadcast channels as houses or streets 300 p. the public if the prosent channel locations and dimensions were known to be 6.30 p. Oresies H. Caldwell of the Federal Radio Commission believes the proposal of Ralph H. Langley to number broadcast channels as houses of streets are numbered would be beneficial to the public if the present channel locations and dimensions were known to be permanent.

"But who can say that we may not soon be successfully spacing stations at seven and, one-half kilocycles or five kilocycles or three kilocycles? In that case we should have to go back to fractional numbers," declared Mr. Caldwell.

Mr. Langley, chairman of a committee of the National Electric Manufacturers' Association, for consideration of the matter, submitted to Mr. Caldwell arguments in support of his number rebares. Among other things he say the submitted to Mr. Caldwell arguments in support of his number rebare.

arguments in support of his number scheme. Among other things he sets forth that the term "wave length" is confusing to listeners, many taking it to mean the distance between transmitter and receiver. He says the word bilecycle is difficult to comprehend, that some receiving sets have wave learnth distance between their same have manufactured. length dials, some have frequency dials and some have zero to 100 dials and that because of the complex numbers. newspapers have made many mistakes

in printing.

He suggests simple numbering of channels running from 1 to 95, and declares the public would foon learn the numbers of their favorite stations.

"I agree that the radio industry therefore." should make its nomenclature as sim ple as possible for the public. But whether the Radio Commission could

properly issue licenses to broadcasters except in terms of fundamental units. I very much doubt," said Mr. Caldwell. "That, however, need not prevent the radio industry and trade from taking up Mr. Langler's suggestion if it seems desirable, marking instruction books to correspond and having the newspapers oin forces in designating the channels

He said he had not discussed the matter with other members of the commission and that this was merely

#### WESTERNER WILL SUCCEED DILLON

Choice of Salt Lake City Man Comes as Complete Surprise

Harold Lafount, New Commis-Last Few Years .- Appointment

Almost a total stranger in Govern ment radio circles and a complete sur-prise to the other members of the commission, Harold A. Lafount of Salt Lake City. Utah, has been appointed by President Coolidge to succeed the late Col. John F. Dillon, who represented the Fifth Zone on the Federal Radio

Mr. Lafount is about 45 years old and has for the last 10 years been manager of the Pacific Land and Oil Company of Sait Lake City. He was edu-cated at the Agricultural College of Utah, and was also active in the hard-Ware business for 12 years.
While Mr. Lafount has not been con-

nested with the radio industry, he is taid to have been very much interested in its gorwith during the last few years and to have made a special study of broadcasting and broadcast reception. It is believed that the appointment as welcome news to the other com-Was welcome news to the other com-missioners, who for a period of several menths, in addition to their own work, have been endeavoring to carry on that of the Fifth Zone. Many matters, how-

ever, have not been satisfactorily adjusted due to the pressure and it is almost certain that the new commissioner will find much to be done upon his arrival in Washington.

YOU HAVE sometimes noticed the inadequacy of some Classified Ads. When you write your ad, use full description and get satisfactory regults.

Wealth in Wash Water. Firms which make use of valuable metals find it economy to save all the water in which the workmen wash and recover the particles of metal from it. One Kansas City firm alone recovers material valued at \$3000 every year by this operation.

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WJAR, WTAG and 23 other stations 000

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A . Apriler

#### RADIO PROGRAMS

WGBS-NEW TORK-349.

m.—Aloma Trio, Hawaiian guitars.

m.—Roxana Erb, contraito.

m.—Studio ensemble.

m.—Ruth Williams, lyric soprano. Continued From Page Eight. Greater New York Federation of Churches.

3:00 p. m.—Young people's conference under the direction of the Greater New York Federation of Churches.

4:00 p. m.—Men's conference from the Bedford Branch Y. M. C. A.

5:30 p. m.—Lolita Cabrers Gainsborg, pianist, and Arcadie Birkenholz, violinist. p. m.—Ruin williams, 1916 soprato, p. m.—Siudio ensemble, p. m.—Suth Williams, lyric soprano. 9:40 p. m.—Aloma trio. 9:50 p. m.—Roxana Erb. contralto. 10:00 p. m.—Studio ensemble. 10:10 p. m.—Aloma trio. 10:20 p. m.—Studio ensemble.

ninis.
p. m.—Genia Zielinska, coloratura so-prano, and Guiseppe de Benedeuo, tener, with stirne teo.
p. m.—Weymouth Poet, American Le-rich. WGR-BUFFALO-303.

10:45 s. m --Service from Westminster Presbyterian Church.

12:00 p. m --Westher forecast. 5:00 p. m.—Lolita Cabrera Gainsbourg, pi-anist, and Arcadie Birkenholz, violin-18t.

7 00 p m.—Concert ensemble.

7/45 p. m.—Service from the Central Presbyterian Church.

9/15 p. m.—Atwater Kent hour.

10/15 p. m.—Telk, "Our Government," by David Lawrence.

10/150 p. m.—Correct time.

WGT—SCHENECTADY—RRO.

11:00 s. m.—Service from St. Peier's Episcopal Church

2:00 p. m.—Symphony orchestra.

4:00 p. m.—Organ recital.

5:20 p. m.—Organ recital.

7:20 p. m.—Capitol Theatre program.

9:15 p. m.—Correct time.

7:15 p. m.—Capitol Theatre program.

10:15 p. m.—Talk on "Our Government," by David Lawrence.

WHAM—ROCHESTER—218.
11:00 a. m.—Service from Brick Presbyterian 11:00 a. m.—Service from Brick Presbyterian Church.

3:30 p. m.—Musical concert.

4:00 p. m.—Organ recital.

5:00 p. m.—Musical milestones.

5:30 p. m.—Fireside forum.

7:00 p. m.—Dinner concert.

6:00 p. m.—Studio program.

8:15 p. m.—String quartet.

9:15 p. m.—Wirning quartet.

9:15 p. m.—Morley sincers and Utica jubiler singers.

10:00 p. m.—Morley singers and Utics jubiler singers.

10:15 p. m.—Weather forecast.

WHAR—ATLANTIC CITY— 272.

10:45 a m.—Service from Chelsea Baptist
Church.

11:5 p. m.—Recital by trio.

12:45 p. m.—Service from St. Andrews-by
the-Sea.

15:0 p. m.—The Bible story man.

17:45 p. m.—Service from Chelsea Baptist
Church.

WEN-NEW TORK-391.

9:00 a. m.—Childran's hour.

12:30 p. m.—Organ recital.

1:00 p. m.—Three Little Sacha."

2:00 p. m.—Symphony orchestra.

5:00 p. m.—Dance orchestra.

5:00 p. m.—Dance orchestra.

7:00 p. m.—Orchestra.

7:00 p. m.—Alexander Haas st.

"Keen's" ensemble.

9:45 p. m.—Jack Davis, baritone.

10:00 p. m.—News bulletins.

10:10 p. m.—American hour.

10:00 p. m.—Organ recital.

11:30 p. m.—Orchestra.

WIF-PHILADELPHIA-508.
4:00 p. m.—Lecture by the Honorable Joe H. Hanley, direct from the Germantown Y. M. C. A.
7:15 p. m.—Service from Holy Trinity Church.
9:30 p. m.—Musical concert.

2:30 p. m.—Musical concert.

WJZ—NEW YORK—454.

1:00 p. m.—Feature.
2:00 p. m.—Boxy and his gang.
3:00 p. m.—Joseph Woodwind ensemble.
3:30 p. m.—Devora Nadworner, contralto, and string time.
3:55 p. m.—St. George vesper service.
5:30 p. m.—National radio vespers.
6:30 p. m.—Feature.
7:00 p. m.—Correct time.
7:00 p. m.—Correct time.
7:00 p. m.—Orsen recital.
7:30 p. m.—Musical literature.
8:15 p. m.—Culler's radio hour.
9:15 p. m.—Vibrant melodies.
9:30 p. m.—Faula Hemminghous, contralto.
9:45 p. m.—Utica jubilee singers.
10:00 p. m.—Correct time.
10:00 p. m.—Utica jubilee singers.
10:15 p. m.—Utona jubilee singers.
10:15 p. m.—Don Amaino, the wizard.

WKBW-BUFFALO-217. 

WMSG-NEW YORK-236 WMSG—NEW YORK—236

7:00 p. m.—Bianquita Alvarez, piano accordion.

7:10 p. m.—Mary Mider, concert pianist.

7:00 p. m.—Bianquita Alvarez, piano accordion.

7:30 p. m.—Mary Mider, pianist.

7:40 p. m.—Mary Mider, pianist.

7:50 p. m.—Frances Friedman, contraito.

8:00 p. m.—Paron Goldberg, violinist.

8:13 p. m.—Frances Friedman, contraito.

8:13 p. m.—Frances Friedman, contraito.

8:10 p. m.—Emil Schneider, pianist.

8:40 p. m.—Regina Kahl, soprano.

8:50 p. m.—Charles Haubiel, composer.

9:00 p. m.—Correct time.

WOR-NEWARK-422

DISTRIBUTORS OF RAY-O-VAC BATTERIES AND FLASHLIGHTS PROVIDENCE HARDWARE & SUPPLY CO., Inc.

Wholesale

WEEL-BOSTON-448

WFBL—SYRACUSE—238.

P. m—International Bible students' program.

P. m.—Columbia chain program.

P. m.—Columbia thain program.

P. m.—Service frim Delaware Baptist Church.

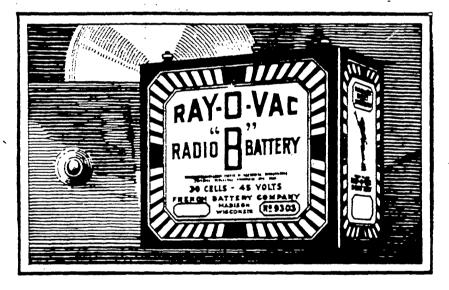
m—Service under the auspices of the Church Federation of Philadelphila p m—Genia Zielinska, coloratura soprano, and Guiseppe De Benedetto, tenor with string trio.

p m—Service from Arch Street Prespiction, the Church, p. m.—Correct time
p, m.—Atwater Kant hour, p. m.—Atwater Kant hour, p. m.—Talk, "Our Government," by David Lawrence.

4.00 p. m Service ...
6 00 p. m Service ...
Church.
5.30 p. m.—Orchestra.
9 00 p. m —Columbia chain program.
6 10.00 p. m.—Columbia chain program.
THI ADELPHIA—408

76-78 Mathewson Street COME IN AND SEE THE NEW CASE RADIO

### How much do you spend on radio power?



This new-type "B" battery will give you better reception at less expense on any loud speaker set.

HECK back over the past year and see how much it has cost you for power to run your

Then put Ray-O-Vac batteries in your set. At the end of the year you will find that you have spent much less on radio power than you ever spent before . . . for these batteries have remarkably long life.

You will soon notice also how much better reception you are get-

ting . . . because Ray-O-Vac batteries deliver non-pulsating direct current, with uniform voltage. Smooth, even amplification of every radio wave naturally results. You can buy Ray-O-Vac batteries from any leading dealer in radio supplies. Ask for them by name. FRENCH BATTERY COMPANY

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P:30 p. m.—American singers. 10:00 p. m.—Columbia intimate hour.

WOO-PHILADELPHIA-508

10:45 a. m.—Service from Bethany Presbyterian Church.

2:30 p. m.—Sunday school.

5:00 p. m.—Organ recital.

WFG-ATLANTIC CITY-278

3:15 p. m.—Sunday efternoon organ recital.

4:15 p. m.—Community vocal and instrumental recital.

5:15 p. m.—Twilight concert hour.

9:00 p. m.—News flashes.

9:10 p. m.—Concert orchestrs.

10:00 p. m.—Sunday eyening musical.

WQAO-NEW YORK-395 11:00 a. m.—Calvary morning services. 3:03 p. m.—'Inspiration hour.' 7:30 p. m.—Calvary evening services. WENT-YEW TORK-808

WANY—NEW YORK—800

11:00 a. m.—St. Matthew's Lutheran Church
services.

2:00 p. m.—Constitutional debate.

2:15 p. m.—Open forum.

2:30 p. m.—Arthur Sellner, tenor.

2:35 p. m.—Etta Sellner, Mildred Posner,
plano duets.

3:00 p. m.—German hour of music.

3:30 p. m.—Tito Venturi, tenor and guest
artist.

3:50 p. m.—Sara Goodman, concert planist.
4:05 p. m.—Mary Lubbock, soprano.
4:15 p. m.—Goldwin Stewart, barillone.
4:13 p. m.—Goldwin Stewart, barillone.
4:30 p. m.—Salvatore Declico, clarinet and saxophone solos.
5:00 p. m.—Butler Davenport players, "Father's Sons."
5:00 p. m.—Ralph Rose, violinist.
6:00 p. m.—"Little Journeys Into Great American Industries," by Fred R. Still, Vice President of the American Blower Company.



WETMORE-SAVAGE ELECTRICAL SUPPLY CO. EXCLUSIVE DISTRIBUTORS OF TOWER PRODUCTS 53 PINE STREET PROVIDENCE, R. I.

WTAG—WORCESTER—517
4:00 p. m.—Men's conference from Bedford
Branch.
5:30 p. m.—National concert orchestra.
6:30 p. m.—Weymouth Band.
7:20 p. m.—Capitol Theatre program.
9:00 p. m.—Talk, "Our Government," by
David Lawrence.
9:15 p. m.—Correct time.
9:15 p. m.—News bulletin.

WIIC—HABIFORD—535
4:30 p. m.—Howard radio hour.
5:30 p. m.—Symphonic ensemble.
6:30 p. m.—Capitol Theatre organ

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#### Fan Has Real Treat in Store if He Listens on Short Waves

Many Foreign Programs to be Heard and Also Relay Work in U. S.—Tests in Mine Indicate Radio Can Penetrate 500 Feet or More of Rock Strata

forbidding in engaging in short-wave reception. Of course, it is a bit more fussy than standard broadcast recep-tion, but due to the appearance on the market of short-wave sets, special kits, simple converters and other offerings the average listener-in can now enjoy short-wave surprises if he has a

Perhaps the simplest stunt is to employ a so-called short wave converter. which is a regenerative detector circuit, the output of which is delivered to the usual audio amplifier of the set, so that the signals may be heard in the loud speaker. The output is often handled by means of a plug with the usual vacuum tube base prongs, which fits into the detector socket of the usual broadcast receiver. A short-wave converter may be made up by the broad-cast listener from standard parts obtained from the local radio dealer, who can supply the necessary constructional information as well, or made up by the local custom set builder, at low cost.

Another plan is to buy a short-wave set complete, at an investment far below that of the usual broadcast rewhich may or may not interest the ra-dio listener-in. In addition there is a steadily increasing amount of radio broadcasting relay work, both here and abroad. Several of our leading broad-

length may often be picked up, clear were 66 feet away.

and loud on the short-wave channel.

The next series Abroad, there is much going on in conducted at a depth of 550 feet when the short-wave broadcast relay field.

The British are experimenting with a scheme of short-wave broadcasting for world-wide broadcasting.

A London above ground at the time of making

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39 Plainfield Street

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real treat in store if he tries short-wave reception. Contrary to lay opinion there is nothing formidable or saturally heart for the store is nothing formidable or saturally heart for the store is nothing formidable or saturally heart for the store is nothing formidable or saturally heart for the store is not the store in the store is not the store in the store is not the store in the store i lent programs on short waves which are

Hence, all in all, there is much going This, Dr. Eve considers, is improbon in the short-wave field. There is the able, but not impossible. thrill of distance, of international re-ception, and of taking part in radio in will get a brand new thrill out of shortwave reception.

or more of rock strata. These preliminary experiments were observed by Dr. A. S. Eve, who is conducting a study for the bureau with the idea of determining the possibilities of various methods of geo-physical prospecting for the location of underground mineral

The experiments participated in by Dr. Eve were conducted with a superheterodyne set with nine tubes in the at a depth of 220 feet, where, by means taking place on the low waves. Of a loop, a strong and clear reception course there is much commercial and was obtained of a musical concert amateur dot-dash traffic being handled, given at Denver, 50 miles distant. The evidence pointed strongly to the conclusion that this clear reception was due to the penetration of the radio waves of the solid rock strata, although there was a remote possibility that the reception was obtained through fact that programs which cannot be heard on the usual broadcast wave length may often be picked used to be picked used t

The next series of experiments was amateur, Gerald Marcuse, is transmit-ting programs on short waves. A sta-tion in Melbourne, Australia, will soon of tests was conducted at the end of a

Phone 4565

West 2245

cross-cut reached with many turns and explained that it was desired to under-200 feet from the main shaft. A pipe take experiments in marking and lo-came down the shaft and followed the tunnel up to 80 feet from the point of tors could pick it

In previous experiments conducted our identity, which will probably be by the Bureau of Mines at its experi- 'Curtis Flying Field,'" Mr. Moore inmental mine near Pittsburgh, it was at formed the Radio Commission. "Affirst concluded that radiation and in-plane approaching will very likely firs duction would penetrate rock for con-plek up the carrier wave over the field siderable depths. Subsequent investiand later the automatic signal will gations have shown that in every case probably be lreard. the transference of radiation was by It was explained the transference of radiation was by some conductors in the mine, electric bane of the life of an airman and if

It is possible that at Caribou the heard even to the antipodes. Soon the British will be transmitting programs the shaft, and these in turn excited regularly on short waves in effecting ralls and pipes, which brought the ra-an exchange of programs with the United States. The experiments should perimenters, and that the strong am-lifection of the radio apprairie and be getting under way within the next plification of the radio apparatus enfew months.

The experiments conducted at the the making. Even the blase radio fan that radiation passes through rock with, of course, much attenuation. is known that radio signals will just penetrate through a good conductor Tests conducted recently by the like sea water to a maximum depth of United States Bureau of Mines in a about 50 or 60 feet, and there is no poor conductor like dry rock.

(Copyright, 1927.) PERPENDICULAR WAVE

Curtis Flying Field Will Try Experi ment at Garden City.

An application has been received by the Federal Radio Commission—the first of its kind—from the Curtis Airplane and Motor Company at Garden City, L. I., to build a perpendicular short-wave beam radio station to communicate with airplanes in flight.

ors could pick it up in a fog.
"The beam will automatically voice

wires, pipes or rails, all of which the fog hazard could be eliminated by abound in modern mines. the fog hazard could be eliminated by means of perpendicular shortwave radio beams, flying would be advanced 100

> YOU KNOW the kind of an Auto you want. We know where you can find it.

> > VOICES ALIKE

Due to Receivers.

should be kept in mind that most of them have more distinguished voices them have more distinguished voices. Colorado metal mine indicate strongly reason why radiation should not penethan loud speakers would seem to inthe intensity that radio waves will penetrate 500 feet trate to 10 times that distance through dicate. It is not that radio spoils it is coming. voices: rather it improves them in most volces; rather it improves them in most instances. But there is a peculiar sameness, particularly in the case of Naval Radio Station and the U. S. S.

This largely is a matter of reproduc-The radioist who has one of the older type sets hears most of the celebrities course of storms even when weather reports in code from shore could not be tion in the average household's receiver. he happens to have one of the power type sets, most voices come in with a tweetype. ype sets, most voices come in with a It was discovered that static grew more intense when meteorological con-

Thus the person who listens to famous people through one set finds hem all surprisingly alike, never realiz-The request was received from Capt. Ing that his neighbor has an altogether Edmund B. Moore, head of the endifferent picture of the vocal qualities gineering division of the company, who of the same broadcaster.

Device Enables Erstwhile Nuisance to Warn of Storms

Recorder, Invented by C. Francis

Static is to be made a useful servant of navigation by indicating the loca-tion, intensity and route of hurricanes and storms at sea, even though such miles away. The use of static for this new aid to navigation has been developed through an invention by C. Francis Jenkins, Washington scientist, radio the intensity and direction from which

Kittery in cruises covering many thousands of miles. With the Jenkins re-corder it was possible to make observa-

ditions between Arlington and the ship disturbed. tion of the static. These records, taken ing that his neighbor has an altogether at various points in western Atlantic conferent picture of the vocal qualities waters when storms were occurring

the Kittery was steaming, furnished evidence which enabled the Kittery's navigator to change his course and avoid storms which ravaged the Bahama Islands and wrought havoc on the Flo-

rids coast.
The apparatus devised by Mr. Jenkins includes a radio receiving set hooked up to a radio compass loop and to a disc compass card recording machine. Charts are placed on the recording disc and readings are taken at frequent in-tervals. These readings indicate the volume of static and its intensity in different directions. This information

in the hands of experienced navigators has proved itself of vital importance.
Further benefits can be obtained, Mr. Jenkins, Shows Intensity and Jenkins stated, by establishing this appractus at several points along the coast. Readings taken at these points and brought together at a central point furnish a composite picture of the ac-tivity of static. This correlated data will indicate threatening storms, their approximate direction, distance and route, as periodical readings are taken. With such information at hand, shore stations can broadcast warnings to ships at sea and other maritime interests, so that navigators can take the necessary precautions to safeguard lives and property entrusted to their care.

Charge Battery More.

Though eliminators and power equipment have cast the subject of batteries somewhat in the background, the storage battery still is an important unit most sets and radioists are learning more about its proper care. the things many overlook, however, is the fact that an overcharge is beneficial to the battery. This should be done twice a month if the set is used regularly, and the charging should be done at a battery service station if the home charger fails to charge with comniete effectiveness.

Radio owners are learning, too, that set is not to be used for several weeks is in a fully charged condition.

Leaving the battery on a low rate of

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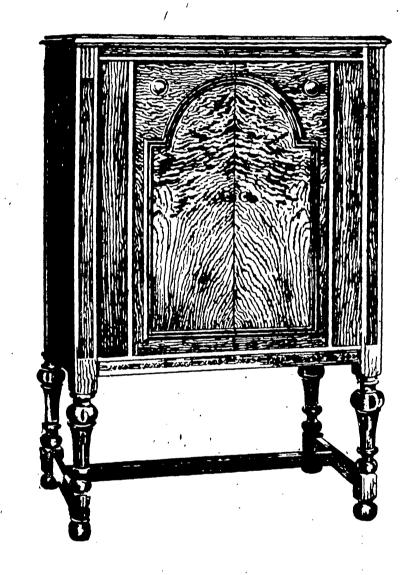
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Radiola its wonderful qual-A Christmas gift for all the

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*(1881) (1881) (1881) (1881) (1881) (1881) (1881) (1881) (1881) (1881) (1881) (1881) (1881) (1881) (1881) (1881)* 



RADIO CORPORATION OF AMERICA

RADIO CASUALTY

B. B. C. Engineer Electrocuted at Eng-

lish Station.

Marking the first casualty in the five

'ears' working of the British Broad-

asting Corporation, W. E. Miller, main-

#### Today's Programs in Brief

For the convenience of radio fans, the following hourly is given in brief form. Fig-ures following stations denote wave length.

The hours are based on East-ern Standard Time. LOCAL STATIONS 10:00-Church, WLSI, 275.

11:00—Church, WEAN, 319.

11:55—Concert, WJAR, 375.

1:30—Concert, WCOT. 225.

3:00—Muşic, WEAN, 319.

4:00—Music, WEAN, 319.

4:00—Music, WEAN, 319.

6:30—Organ, WEAN, 375.

Lecture, WJAR, 375.

Lecture, WLSI, 275.

7:00—Music, WEAN, 319.

7:00—Concert, WJAR, 375.

7:30—Church, WEAN, 319.

9:00—Church, WEAN, 319.

9:00—Talk, WJAR, 375.

Music, WEAN, 319.

9:15—Orchestra, WJAR, 375.

Correct time, WJAR, 375.

9:30—Music, WEAN, 319.

9:45—Feature, WLSI, 275.

10:00—Music, WEAN, 319. 11:00-Church, WEAN, 319.

EASTERN STATIONS 9:00—Feature, WHN, 395, 9:30—Church, WKBW, 217, 10:30—Church, WGY, 380; WKBW, 217,

10:30—Church, WGY, 380; WKBW, 217.

10:45—Church, WHAR, 273; WGR, 303; WOO, 508.

10:50—Church, WABC, 326.

11:00—Church, WRNY, 319; WEEI, 448; WQAO, 395; WDRC, 283; WHAM, 278; KDKA, 316; WBZ, 333; WGY, 380.

11:55—Concert, WEAF, 492.
12:30—Organ, WHN, 396.
1:00—Feature, WJZ, 454; WHN, 396.
2:00—Orchestra, WHN, 396.
2:00—Orchestra, WHN, 396.
Church, WEAF, 492.
Feature, WEEI, 448; WRNY, 309.

Church, WEAF, 492.
Feature, WEEI, 418; WRNY, 309.
Roxy and his gang, WJZ, 454;
KDKA, 316; WBZ, 333.
2:15—Feature, WRNY, 309.
Trio, WHAR, 273.
2:30—Sunday school, WOO, 508.
Music, WRNY, 309.
2:45—Music, WRNY, 309.
2:45—Music, WRNY, 309.
Church, WKRW, 217.
Feature, WGAO, 395.
Talk, WBZ, 333.
Ensemble, WJZ, 454.
Conference, WEAF, 492.
Music, WEEI, 448; WFBL, 258;
WRNY, 309; WOR, 422.
3:15—Organ, WPG, 273.
3:30—Orchestra, WGY, 380.
Music, WOR, 422; WJZ, 454;
WRNY, 309.
Feature, WDRC, 283.
Concedt, WHAM, 278.
3:50—Music, WRNY, 309.
3:55—Church, WJZ, 454.
4:00—Organ, WGY, 380; KDKA, 316;
WHAM, 278.
Lecture, WIP, 508.
Conference, WEAF, 492; WEEI, 448; WTBL, 518;
Music, WIP, 508.
Conference, WEAF, 492; WEEI, 448; WTAG, 517.
Music, WFBL, 258; WOR, 422.

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4:05—Music, WRNY, 309.
4:15—Music, WRNY, 309.
4:15—Music, WRNY, 309.
4:30—Music, WTIC, 535: WRNY, 309.
Church, KFI, 405.
4:45—Church, KDKA, 316.
5:00—Feature, WRNY, 309.
Orchestra, WHN, 396: WPG, 273.
5:15—Music, WPG, 273.
5:30—Trio, WHN, 396.
Music, WTIC, 535: WEAF, 492:
WGY, 380: WEEI, 448: WGR, 303: WRNY, 309: WTAG, 517.
Vespers, WJZ, 454; WBZ, 333.
6:00—Organ, WOO, 508.
Orchestra, WHN, 396: KDKA, 316.
Music, WEAF, 492: WFI, 408;

Orchestra, WHN, 396; KDKA, 316,
Music, WEAF, 492; WFI, 408; Church, WFBL, 258,
Feature, WRNY, 309.
6:30—Talk, WEEI, 448,
Feature, WHAM, 278; WJZ, 454,
Band, WEAF, 492,
Music, WFBL, 258; WTIC, 535; WBZ, 333; WTAG, 517.
6:38—Feature, WEEI, 448.
6:56—Highway news, WEEI, 448.
7:00—Ensemble, WHN, 396; WDRC, 253; WGR, 303, 483; WABC, 236; WHAM, 267; WBZ, 333; WABC, 326.
News, WEEI, 448,
Organ, WJZ, 454,
Church, KDKA, 316; WKBW, 217.
7:05—Trio, WEAF, 492

Organ, WJZ, 454.
Church, KDKA, 316; WKBW, 217.
7:05—Trio, WEAF, 492.
7:10—Music, WMSG, 236.
News, WEEL, 448.
7:15—Church, WIP, 508.
7:20—Capitol Theatre program, WEAF, 492; WGY, 280; WTAG, 517.
Music, WMSG, 236.
7:30—Church, WOO, 508; WQAO, 395; WGI, 408.
Music, WBAL, 286; WMSG, 236; WEEL, 448.
Feature, WHAR, 448.
Talk, WJZ, 454,
7:40—Music, WMSG, 236.
7:45—Church, WGR, 303.
Music, WMSG, 236.
7:45—Church, WHAR, 273.
7:50—Ensemble, WBZ, 333.
Music, WMSG, 236.
8:00—Music, WHAM, 273; WMSG, 236.
Church, WABG, 236.
8:15—Music, WMSG, 236.
8:15—Music, WMSG, 236; WHAM, 278; WJZ, 454; KDKA, 316; WBZ, 333.
8:30—Music, WMSG, 236; WHAM, 278; WJZ, 454; KDKA, 316; WBZ, 333.
8:30—Music, WMSG, 236; WBAL, 286; WGBS, 349; WFBL, 256; WGR, 422; WEEL, 448.
News, WPG, 273.
9:15—Atwater Kent hour, WEAF, 492; WGR, 303; WEEL, 448; WGY, 380; WFI, 408; KDKA, 316.
News, WTAG, 517.
Music, WBS, 349, WJZ, 454; WHAM, 278.
9:20—Ensemble, WGBS, 349.

WHAM, 278.

9:20—Ensemble, WGBS, 349.
9:30—Ensemble, WGBS, 349.
Music, WGBS, 422; WIP, 508; WJZ, 454.
9:40—Trio, WGBS, 349.
9:45—Music, WHN, 391; WHAM, 278; WJZ, 454.
9:50—Music, WGBS, 349.
10:00—News, WHN, 422; WBZ, 333.

Music, WOR, 422; WHAM, 278; WFBL, 258; WJZ, 454; WPG,

273.
Ensemble, WGBS, 349.
10:05—Music, WBZ, 333.
10:10—Peature, WHN, 396.
Trio, WGBS, 349.
10:15—Talk, WEEI, 443; WGY, 380;
WFI, 408; WGR, 303.
Music, KDKA, 316; WJZ, 454;
WKBW, 213. WFI, 408: WGR, 303, Music, KDKA, 316; WJ WKBW, 217. Drama, WEAF, 492. 10:20—Ensemble, WGBS, 349, 10:35—Radio Review, 448, 10:45—News, WEEI, 448, 11:00—Organ, WHN, 396, 11:30—Orchestra, WHN, 396, 12:00—Church, WBSO, 384,

10:45—News, WEEI, 448.

11:00—Organ, WHN, 396.

11:30—Orchestra, WHN, 396.

12:00—Organ, WTMJ, 294.

MUSIC, WRC, 469.

1:15—Music, WCC, 469.

1:15—Music, WCC, 353.

2:00—Roxy and his Gang, WJR, 441;

KYW, 226; WRC, 469; WOC, 353; WTAM, 400.

Organ, WLW, 428.

Music, WMAQ, 448; WGHP, 294; KYW, 526; WTMJ, 294.

3:30—Conference, WOC, 353; WTAM, 400.

Organ, WLW, 428.

Music, WMAQ, 448; WGHP, 294; KYW, 526; WTMJ, 294.

3:30—Music, WTMJ, 294.

1:10—Music, WTMJ, 294.

1:10—Music, WTMJ, 294.

Talk, WJR, 441.

5:00—Music, WMAQ, 448; KNX, 336.

5:30—Music, WRC, 469; WMAQ, 448.

6:30—Organ, WTMJ, 294.

Orchestra, WTAM, 400.

Music, WJR, 441.

5:30—Music, WRC, 469.

TOMusic, WTAM, 400; WTMJ, 294.

Nusic, WRC, 469.

7:00—Music, WTAM, 400; WTMJ, 294.

1:15—Music—WMAQ, 448.

7:15—Music—WMAQ, 448.

7:15—Music—WMAQ, 448.

7:15—Music, WTAM, 400; WTMJ, 294.

8:15—Music, WCO, 405; KYW, 526; WJR, 441; WLW, 428; WSAI, 361.

8:30—Music, WGA, 326; KMTR, 526; WJR, 441; WLW, 428; WSAI, 361.

8:30—Music, WGC, 465; KYW, 526; WJR, 441; WLW, 428.

Atwater Kent Hour; WRC, 469; SO—Music, WGHP, 294.

Ensemble, WTMJ, 294.

Ensemble, WTMJ, 294.

9:15—Music, WGHP, 294.

Ensemble, WTMJ, 294.

Feature, KMTR, 526.

9:17—Talk, KYW, 526.

9:17—Talk, KYW, 526.

9:10—Peature, WJR, 441; MUW, 428.

Atwater Kent Hour; WRC, 469; WSAI, 361; WSM, 341; WCO, 405; WAAI, 400; WJJ, 375.

Feature, KMTR, 526.

9:17—Talk, KYW, 526.

9:10—Peature, WJR, 441; Music, KGD, 384; KOA, 326; KFI, 469.

10:15—Music, KTI, 469.

10:15—Music, WTMJ, 294.

10:15—Music, WTMJ, 294.

10:15—Music, WTMJ, 294.

10:15—Music, WTMJ, 294.

10:15—Music, KFI, 469.

10:35—Music, KFI, 469.

10:35—Music, KFI, 469.

10:00—Orchestra, KFI, 469.

The Dial's Diary

By the Trouble-Shooter

If any of those who call on me for service were to see me trying to drive to their homes with my automobile in reverse gear they would think me due for the pedded call. It is almost two for the pedded call the pedded call the pedded call the pedded call the pedded call. It is almost two for the pedded call If any of those who call on me for for the padded cell. It is almost unthinkable that I would do such a thing, and yet if I did it would be no more absurd than some of the things which I note them doing with their radio sets. When they are trying to find trouble they go about it backwards. That is, they start with the accessories and work back and more or less up through the set to the various circuits until they come to the aerial. The proper place, of course, is to start with the aerial and work toward the ground, tak-ing in the accessories en route. The trouble with starting backwards is that any radio set is so designed that what: ever comes in over the antenna by way of distortion, interference, noise and various other troubles is amplified throughout the whole outfit. You've got to start at the bottom of it, and in this case the bottom is the top.

Then there is another angle to it.

Suppose, for instance, the radioist is trying to find out some trouble in the "B" eliminator. Suppose also that there is no trouble there and that in tinkering with the instrument he actually puts some trouble into it. Let us say that he applies too much potential to the plate circuit. Let us say that he tampers with the rheostat adjustment on the detector lead. Instead of find-ing out the trouble, he is putting trouble into the set and making it just that much more difficult to discover what's wrong.

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atus at 5GB and a few minutes later

was observed to lean over a guard rail

apparently with the object of making

an adjustment which should not have been undertaken with the switch on

His death was almost instantaneous.

New Speed Record.

Your Next Set!- What will it be?
- How can you decide?

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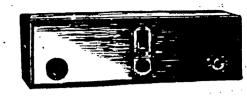
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EASY TERMS IF DESIRED

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An obsolete model or a poorly constructed set can be put into a showy cabinet and made to look like a thousand dollars-but mostly they are not worth that many cents. You would not buy an automobile for its appearance, without carefully investigating its other merits. A radio set deserves the same consideration. Before buying a set, ask the following three questions, and insist upon satisfactory

1st The reliability and reputation of the manu-

2nd The reliability and reputation of the dealer. 3rd The value of the set a year from now.

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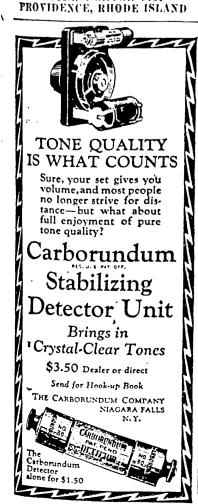
**ELIMINATORS** For Any Set

We Will Make Competitive Demonstrations of Any of the Above Sets in Your Own Home Without Obligation Terms of Payment Arranged to Suit Customer's Convenience

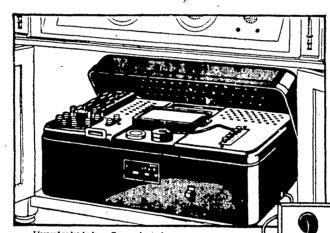
LARGEST STOCK OF SETS AND PARTS IN PROVIDENCE B. & H. Supply Co., Inc.

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#### THE POST & LESTER CO. Wholesale Distributors of Balkite Radio Power Units



makes possible the use of the stand-

ard type of set and of standard

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There is no waiting for tubes to

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ling volume. No noise; no AC hum.

No crackling, no booming, no blast-

ing. Instead the same high standard

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And if you already own a radio

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Balkite is only a fraction of the cost

By all means go to AC reception. Its

convenience is the greatest radio im-

provement you could buy. But let your

AC receiver be a standard radio set

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Two models, \$64.50 and \$74.50.

Ask your dealer.

ucts Co., Inc.,

of buying a new receiver.

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#### **AC Electric Radio** no sacrifice in reception. For it Without

the uncertainty of untried apparatus

And without any sacrifice in quality of reception

There are two ways you can own an AC receiver. One is to discard your present radio set and buy a new and untried receiver, using a new and untried type of tube, at a sacrifice of quality of reception.

The other way is simply to add Balkite Electric "AB" to your present radio set. Balkite Electric "AB" replaces both "A" and "B" batteries and supplies radio power from the light socket. Entirely batteryless, it makes any standard set

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Just like Balkite "AB"

but for the "A" circuit

only. Enables owners of a "B" eliminator to

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on the air Thursday Evenings, 10 o'clock Easterntime. Oversta-

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10:30 Eastern time: WEBH, KSD, WOC, WOW, WCCO, WHO, WDAF.

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With this method there is

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ALL MODELS OF BALKITE UNITS CAN BE BOUGHT FOR \$1 DOWN AND \$1 A WEEK

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A minute to play—twenty yards to go—and the last man misses him! If you're listening with a Grebe Synchrophase Seven and a Grebe Natural Speaker, you'll visualize every play— hear the crowds roar—feel the excitement of the closest spectator.

For Grebe tone is full, absolutely natural. It faithfully reproduces those inflections of the announcer's voice which so truly portray what he is seeing.

To such superior tone, add case of control, extreme selectivity and enduring construction.

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Authorized Dealers for Grebe Synchrophase

#### NEW SITE SOUGHT FOR STATION WRC

Point Between Washington and **Baltimore Favored** 

WEAF's Reserve Transmitter May

On the chance that Station WRC

may finally be able to secure the 5000 watt transmitter now being held in reserve by Station WEAF in New York city, officials of the National Broadcastlearned, have been looking over tentative sites upon which the more pow erful transmitter might be erected between Washington and Baltimore.
Laurel, about half-way between the

cities, apparently was considered too Spring, nearer to Washington, it seems, has been looked upon with more favor. The ideal location appears to be about eight or nine miles out. It is thought, however, that regardless of whether or not it eventually comes to Washington, the former WEAF set will be held in reserve for at least six months. until the new 50,000-watt transmitter gets into its stride, inasmuch as it usually takes that length of time for a new radio station to be "shaken down" into reliable working order. Station WRC is owned by the Radio Corporation of America, but is operated by its subsidiary, the National Broadcast.

"As far as consistent reception is concerned," an official of one of these companies, "give me a good 5000-watt set, such as the one used up to now by WEAF, and I would rather have it to

be nearly so much fading. At the present time, the service range of WRC is about 100 miles. If we were able to the impression that there was a man comprising the throng.

larly but our service range might include the territory from Philadelphia to Atlanta, and probably as far west as Cincinnati and Detroit. It would mean much to the listeners in the district inasmuch as the quality of reception would be improved. At the same time, it would extend the service of the Na-

Provided the permission of the Federal Radio Commission were secured the power of WRC, which is now oper ating on 500 watts, would be increased 10 times and it would be in a class with other well-known 5000-watt stations, among which are WBAL, Balti-more; WSM, Nashville; WPG, Atlantic City: WTAM, Cleveland; WJR, Detroit; WCCO, Minneapoli, and WLS, Chicago

Those with whom the decision rests as to whether or not Washington shall have this improved service are David far away, but the vicinity of Sandy Sarnoff, vice president of the Radio Corporation, and M. H. Aylesworth, president of the National Broadcasting Company, both in New York.

In the meantime, work is going forward in equipping the new down-town studios of WRC in the top of the National Press building. The promise is that these new studios will be among the best appointed and most up-to-date in the country. This, it is befulfilment of the desire of the Nationa Broadcasting Company to have a plant in Washington comparable in imporance to the capital of the nation.

"You Can Fool the People."

It seems almost incredible that a great mass of people could be worked up to a pitch where they were con-vinced that they saw something which serve the community in and around really did not exist. Hundreds of peo-Washington with than one of much ple crowded around the Rouen Cathe-

#### FIRST RADIO STORE IN PROVIDENCE

Buy Your Grebe, from This DEPENDABLE Store, Easy Terms if Desired

TRICAL LOUIS MAZDA LAMPS · FIXTURES : APPLIANCES · CONTRACTING · 45 WASHINGTON ST. INCORPORATED 1892 PROVIDENCE, R.I.

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Operating entirely direct from an electric light socket.

It's just as simple for us to give you a

Stromberg-Carlson demonstration at home

as in our store and incurs no more

Call us on the 'phone and we will help

you entertain your friends and they can

appraise the superb qualities of the Strom-

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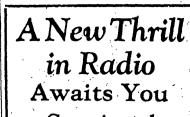
233 WEYBOSSET ST.

New England's Largest Stromberg-

Carlson Dealer

greater power, because there would not dral some time ago, and stood there for ed while the other was ascending and man. It consists of two parts. one is about 100 miles. If we were able to secure the WEAF transmitter, which, because of its higher power would of course have to be located outside of likely be increased to 500 miles.

"As it is now, we reach even nearby Baltimore and Richmond spasmodically, but if the 5000-watt WEAF transmitter were installed here, we would not only cover those cities regu-



Come in and HEAR the difference when the Willard "A-B"

Power Unit is used. WILFRED ROY CO.

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### Let Music Tell You

WILLARD

"A-B", Power Unit

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### The Clarion Call of the Clarinet

tells you clearly which make of Power Unit will go farthest in making your set give the kind of performance you like to talk about.

Listen in when there's a well-played clarinet solo on the air. Then, leaving your set exactly as it was, plug in Willard Radio Power.

### **HEAR** Difference!

Compare the fullness of the notes, the clearness of tone. Make any test you like.



1,455,141 and 1,635,117

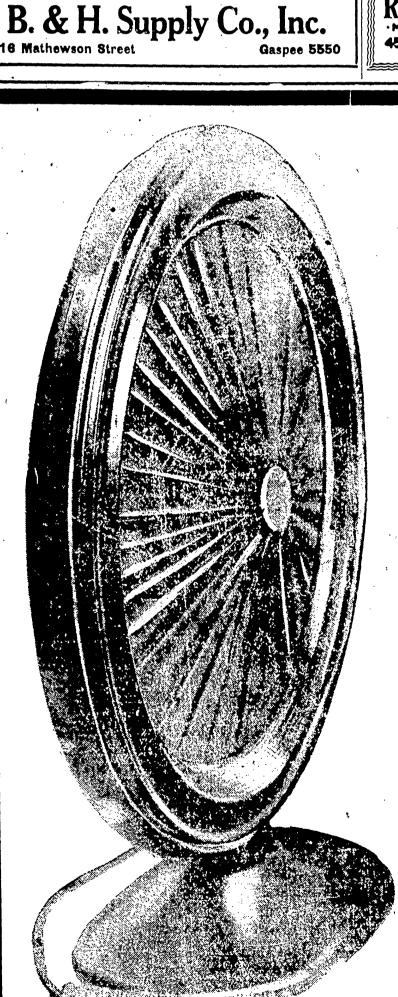
The

### "A-B" Power Unit

The Willard "A-B" Power Unit operates from your lamp socket. Gives steady "A" Power and the kind of "B" Power you need for steady reception. Delivers 180 volts at 40 milli-amperes. Turns itself on when you tune in, and off when you're through. Ask for de-

Ask your Lighting Company, your Radio Dealer or your Willard Service Station to demonstrate for you. Let your







obligation.

## THE CITY-HALL HARDWARE CO. SCORES AGAIN!!

This Time With the Greatest Radio Bargain We Have Ever Been Able to Offer--- and Probably the Greatest Bargain We Ever Will Be Able to Offer.

# 1000CHOR JUNIOR RADIO REPRODUCER

This Is Not an Obsolete or "Second" Speaker. It is a well-known, standard make that we have been fortunate enough to buy in a large quantity and offer to you at this unheard-of price.

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WARNING

This is a QUALITY INSTRUMENT and should be handled as such. This instrument is GUARANTEED against faulty workmanship and defective materials. If TAMPERED with or MISHANDLED, this guarantee becomes VOID IMMEDIATELY, and a cost charge will apply on repairs. This guarantee MUST accompany each instrument returned as defective or for repair. you packed in original factory sealed cartons. While the lot

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