Solution of "Step On Stairs" Mystery

# 

Vol. XVII Radio Digest Publishing Co.

FIRST MAY NUMBER, 1926

Title Reg. U. S. Pat. Off. &

No. 4



Hugh Fullerton's "Big Rabbit," a Romance; WLS Homemaker Gives Cheer to June Brides; Burying the Demon Static; "High-Brow" KMTR's Story; Photos of Famous "S-O-S" Casts

#### No. 6OFFICIAL BALLOT

#### Announcers' Contest

#### RADIO DIGEST THIRD ANNUAL GOLD CUP AWARD

GOLD CUP AWARD Editor, Radio Digest, 510 North Dearborn Street, Chicago, Ill.		. B
Please credit this ballot to:		
(Announcer's Name),	Station:(Call Lotters)	
Signed	۸	
Address		
~	,	

## WJAZ IS ACQUITTED

COURT FINDS THAT ZENITH

Case Shows Inadequacy of 1912 Regulations—Encourages Advocates of Communications Commission

CHICAGO.-The "pirates" of the air CHICAGO.—The "pirates" of the air have been vindicated. WJAZ can choose any wave length it desires and broadcast at any time it wishes, according to the recent decision of Federal Judge James J. Wilkerson who holds that the Zenith broadcaster is not guilty of a criminal act, and that the actions of the station are within the limitations of the law as it now exists.

act, and that the actions of the station are within the limitations of the law as it now exists.

The United States government; and specifically the department of commerce, which sought to punish WJAZ and its owners for taking the wave length of 329.5 meters without permission from the commerce department, is the loser of the test suit. The government cannot appeal the decision of one of its own judges.

The 1912 Radio law, the only congressional act by which Radio stations can be regulated, will therefore allow all Radio manufacturers who maintain some experimental work, and all Radio communication companies (which would mean essentially the R.C.A.) to pick their waves and hours, and the department of commerce can do nothing.

Broadcasting Stability Not Threatened But brondcasters other than those which fall within the classes outlined, must stay on their assigned waves and schedules of operation. KWKH, the Shreveport, La., station, which has been reported to have adopted tactles similar to WJAZ, will no doubt be liable to punishment and confiscation of equipment.

The 1912 Radio law is old and peculiar, however, and many loopholes are left by the fourteen years of Radio progress without that body realizing it. Perhaps KWKH—and others who decide to try their luck—may succeed unharmed. The next few weeks will tell.

Scoretary Hoover Bit by "Brick"

The decision will not, it is believed, cause many stations to shift their wave.

Secretary hooses hit of "Bigg". The decision will not, it is believed, cause many stations to shift their wave lengths to ones more favorable, but it most assuredly will point the immediate need of modern and equitable legislation to congress, in whose hands now three different Radjo law amendment bills are mending.

different Radjo law amendment bills are pending.

Many well-informed leaders and observers of the situation feel that the decision can be interpreted as a "brick" cast at Secretary of Commorce Herbert Hoover's management of the broadcasting privilege. Advocates of an independent government commission of communications with power to regulate Radjo, and tions, with power to regulate Radio, and

### COVER GIRL LIVES IN CITY OF ROSES

PORTLAND, Oregon, is famous as the "City of Roses." The parkways and lawns are radiant with America's most glorious flower. And perhaps that is why Miss Gladys Johnson, the young lady on the Radio Digest cover, finds it so congenial to make her home there.

She is a staff artist at KGW, the Oregonian broadcasting station, and may be heard daily over the air as soloist and in the ensembles. Besides being an accomplished musician, Miss Johnson has starred in several motion picture plays and is quife well-known in vandeville and symphony concerts.

VJAZ IS ACQUITTED

OF 'PIRACY' CHARGE

OURT FINDS THAT ZENITH

ACTS WITHIN THE LAW
ase Shows Inadequacy of 1912 Regula-

Total Now Three for Legislators to Consider

WASHINGTON, D. C.—Senator Borah, of Idaho, has introduced an entirely new Radio bill in the upper house, which provides for the appointment of a national Radio commission which would take the entire administration out of the hands of the department of commerce.

He goes into the minutest detail as to what the commission is to do, and provides for the appointment of three members by the president of the United States at a salary of \$10,000 a year. The bill has been referred to the senate committee on interstate commorce, where the Dill and White Radio bills are now pending. The introduction of this bill is rather an indication that no action will be taken at the present session of congress on Radio administration.

#### Farthest North Broadcaster Is Found at Bethel, Alaska

IS FOUND At Betnet, Alaska SEATTLE, Wash.—The farthest north broadcasting station is being operated at Bethel on the Kuskokwilm river. Alaeka. Paul. Estle, the owner, gives news builetins on the air twice a week. A low power is used, but this will be increased soon according to plans.

#### CONTENTS

Radio Digest, Illustrated, Volume XVII, Number 4, published Chicago, Illinois, May 1, 1926. Published semi-monthly by Radio Dicest Publishing Co. (Incorporated), 510 N. Dearborn Street, Chicago, Illinois. Subscription rates yearly, Three Dollary, Foreign Postage, one Dollar additional; single coolest Pittone Cents. Entered as second class matter at the post office at Chicago, Illinois, under the Act of March 3, 1879. Title Reg. U. S. Patent Office and Donlation of Canada. Cosyright 1925 by Radio Digest Publishing Co. All tights received.

All the Live News of Radio	I to In
Ellen Rose Dickey, of WLS, Spreads Cheer for June Brides	6
EMTR is "High-brow" and Proud of It.	7
"Big Rabbit" Love Leads a Bomantic Trail Through Florida Jungles, Second stallment, by Hugh Fullerton	Tm
Solution of "A Step On the Stairs," Radio Digest Prize Mystery Story, by Ro J. Casey	bert
An Evening at Home with the Listener In: A Chart in Central Time, show when to listen in for stations	rine
Let's Bury the Demon Static, Dr. Guyer's Discovery, by Milo Gurney	13
Editorials, Indi-Gest and Condensed by Dielectric	14
Women's Page: Index to Women's Programs	15
Advance Programs	
The Super-Torodyne, An Improved 8-Tube Super, Part IV—Completed Wiring Operation, by Prof. J. E. Owen	and
Directory of Radiophone Broadcasting Stations, Part I, (Revised).	37

#### Looking Ahead

"Mrs. Polybank's Medal," is an Epic of a Mother's Heroism in the far North. A splash, the baby's face disappeared beneath the waves of the freezing water. But Mrs. Polybank was calm. While the others were stunned with horror, she stepped over the rail, fully dressed—. It's in, that big Mid-May Radio Digest, out Friday May 14, and it's a true story with a Radio ending.

Smitty's Ether Busters, Mickey Russell and the Ironing Club stand out as unique features in Port Huron's popular station, WAFD. Port Huron is right on the knuckle of the thumb of the big mitten peninsula. These broadcasters have their own ideas of entertaining Radio listeners. See the next Radio Digest.

It Started With a Special Program by the American Legion in Oklahoma City over KFJF. Ex-service men for hundreds of miles around, their friends and relatives sent in an avalanche of applause letters. And out of that grew the American Legion Radio Post No. 300. See story and pictures in Radio Digest, out May 14.

Hugh Fullerton Never Did a Better Thing Than "Big Rabbit," for which Radio Digest has the exclusive serial rights. With this issue you hehold the unhappy Roberta whisked away from her Atlanta home. Wen and Dick are in hot pursuit, but will they find her? The next installment will enthrall you.

Spring Cleaning, How to Get the Most Out of Your Receiver, is the subject of a new series which starts with antennas and how to install them. This series is written exclusively for the man "who doesn't know it all."

Underground and Horizontal Antennae Series has the experimenters on their toes. Send in your name, if you want to help. A new bag of tricks will be given in the second article.

Newsstands Don't Always Have One Left

WHEN YOU WANT

## Radio Digest

YOU WANT IT!

BE SURE OF YOUR REGULAR COPY BY SUBSCRIBING NOW

#### SEND IN THE BLANK TODAY

(Fo	use find enclo our, Foreign) io Digest, I	for One	l. O. for Ti Year's Sub	brec Della soription	to
Nan	se				
Add	ress				
Cit			Class		

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

#### SENATOR BORAH GIVES RADIO BILL TO SENATE GOLD CUP STANDING **DIVULGES LEADERS**

GIVES NAMES OF SIXTEEN ANNOUNCERS NEAR TOP

erest High in 1926 Radio Digo Gold Cup Award—Twenty-Three New Candidates

They're off! The barrier is up and the 140 entrees have swung into the race that holds as stakes the third annual Gold Cup Award and the title of the World's Most Popular Announcer. The race got off to a good start with the entrees well bunched and their riders evidently jockeying far positions that will bring them safely around the first turn and well out in front.

Anyway, this is what to

around the first turn and well out in front.

Anyway, this is what is causing all the excitement. Here is the first hint at the relative standings of the announcers entered in the Radio Digest contest to decide by a direct fan vote who is the most popular Radio announcer. From inquiries recedived, the supporters of their favorite announcers are anxious to know how their candidates are getting along in the contest.

Although the deluge of votes has kept the Gold Cup Award Editor from twidding his thumbs during the past several weeks, the number of votes received is small in comparison to the ballot that will be cast. So the standing given this issue cannot be indicative of the finish. Most of the fans are saving their ballots for the bonus votes granted when a group is turned in at one time.

Sixtoon Leaders

for the bonus votes granted when a group is turned in at one time.

Sixtoon Leaders

This issue the sixteen announcers who have the largest number of votes have been arranged in four groups to prevent any one from being influenced to vote for the leader. Hore they are:
First sroup: Fat Barnes, WHT; Norman Brokenshire, WJZ; Earl E. May, KMA; Hired Hand, WBAP.
Second group: Robert W. Griffin, WHO; Henry Field KFNF; G. C. Arnoux, KTHS; Clyde Randail, WSMB.
Third group: Phillips Carlin, WEAF; Milton Cross, WJZ; Jerry Sullivan, WQJ; E. L. Tyson, WWJ.
Fourth group: Lambdin Kay, WSB; Louis John Johnen, WLW; Leslie Joy, WEAF; Edward B. Husing, WRC.
But then you never can tell. Who knows? Next issue there may be some new names in the list of the first sixteen and, incidentally, some of this issue's leaders deposed. A great many things can happen when people start to vote. And just now they are voting quite recklessly for their favorite announcers.

New Names Swell List
Last Issue there were 117 announcers entered in the context for the Gold Cup.

New Names Swell List
Last issue there were 117 announcers entered in the contest for the Gold Cup. but still they come. Since that time, twenty-thee more announcers have each impressed listeners as being the greatest announcer in the world. Of course, they can't all be the greatest announcer. But there is going to be one announcer gain that title at the end of the contest. He may be one of the 117 previously nominated, one of this issue's list, or he may not yet be nominated. If your favorite announcer has been nominated, get belind him and help bring him one of the highest honors in Radio. If he has not yet been named, name him and boost for et been named, name him and boost for im. The twenty-three new candidates, whose nominations were received last issue are as follows:

ARKINSON, WM. L., WCAO Church, A. B., KLDS Comelly, 'Ded', WRRC Darling, C. Walter, CFGP Darling, Company, Company, Company, Darling, Company, Company, Company, Fall, Rabett, WKAP Haupt, James, WEAP Heiby, Capt, Jack, WOS Bentlin, John, KFYR

Behenstein, Rev. H., K.F.UO Hughes, Jim, K.DKA, Morrison, Claic, K.P.O. Nedlson, T. V., W.Q.A.N. "Night Watchman", The Night Watchman", The Pierre, Jannings, K.GO Russ, Gao, F., W.R.C. Shoulfer, Rev. W.M.F. Thorwald, Join, W.R.W. Wilkins, Pol., warbor, K.W. Wilkins, Pol., Arthor, K.W.

How to Win Cup for Your Choice Don't miss a single ballot, for when these are turned in to Radio Digest in a group of consecutive numbers, extra bonus votes are allowed the candidate group

bonus votes are allowed the candidate voted for.

The ballots, top of this page, numbered consecutively, will appear in each issue of the Radio Digest until the close of the contest.

Each of these bullots will count for one vote with vote in a security. Yes were

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

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

## TO GREET ROTARIANS OF WORLD

#### 2XBR, PORTABLE, TO **TOUR AROUND GLOBE**

PRIZE FOR AMATEUR WHO HAS BEST LOG OF TRIP

Motor Transmitter, "Betty Warner," Will Start May 4 from Hollywood on Trip Over World

on Trip Over World

LOS ANGELES.—When the "Betty Warner," 250-watt mobile broadcasting station of Warner Brothers motion picture studios, sticks its nose out onto the broad level highway that leads from Hollywood to San Francisco on May 4, there will have begun the first lap of a very remarkable trip the itinerary of which will not only include the United States but foreign countries as well. 6XBR is the official call of this short wave portable station, but it will be known as the birthday of the daughter of Harry Warner, president of the motion picture producing firm of Warner Brothers, comes on the day when the start of the trip will be made.

The trip of the Betty Warner in the

will be made.

The trip of the Betty Warner in the United States is with the full sanction and cooperation of the department of commerce. The present stinerary includes the following cities: Santa Barbara, San Francisco, Oelcland, Portland, Seattle, Spokane, Walla Walla, Boise, Salt Lake, Denver, Hastings, Lincoln, Omaha, Kansas City, Decatur, Chicago, Indianapolis, Columbus (Ohio), Cleveland, Youngstown, Pittsburgh, Washington, Philadelphia and New York.

#### Thence to Europe and Orient

At the conclusion of the American tour the station will be shipped overseas, and if suitable arrangements can be made with the Radio governing bodies of England, Germany, France, Spain and Italy, 6XBR will make tests in those countries, thence to the Orient, Australia, the Philipines, Hawaiian Islands and back home to Hollwood.

thence to the Orient. Australia, the Philipines, Hawatian Islands and back home to Hollswood. AXER, probably one of the best equipped portable short wave stations in the world, will carry three men on this tour. The station itself is mounted on a motor coach chassis, is of 250-watt power and can be set up to broadcast on its assigned wave length of 108 meters in exactly 20 minutes. A description of the vertance and the 3d of the property of the statement of the exactly 20 minutes. A description of the set appeared in Radio Digest a short time

#### Amateurs to Aid Tour

Amateurs to Ald Tour

The movement of 6XBR, through the cooperation of the American Radio Relay League, will be governed entirely by Frank Murphey, chief electrical engineer of Warner Brothers, who will remain at Hollywood. Each night from 11 to 11:30 p. m. Pacific time, a report will be forwarded to Mr. Murphey by the operators on the coach using a 40-meter wave length. Instructions will in turn be given by Murphey on the same wave length, which, of course, will be in the regular Continental code. The latter will be transmitted between 11:30 p. m. and 12 midnight Pacific time, each night

To stimulate interest in the tour of 6XBR, Warner Brothers have announced a contest in connection with the trip and an award of \$1,000, open to all amateurs, will be presented to the operator who furnishes the most complete and accurate log of conversations between 6XBR and Mr. Murphey at KFWB during the international jaunt.

#### Couzens Advocates One Communications Body

Michigan Senator Criticizes White Bill Commission

WASHINGTON, D. C.—The creation of a commission on communications, which would take over the regulation of Radio, telephones and telegraph, is sought in a bill which will be introduced in the near future by Senator James Couzens, of Michigan.

Michigan. Senator Couzens does not believe that

Senator Couzens does not believe that the secretary of commerce or any other one man should have centrel of the regulation of broadcasting. He thinks that ultimately a communications commission will be necessary, and he is in favor of its immediate creation.

"I am not in favor of the commission proposed in the White bill," said the Michigan senator. "I think it is a makeshift proposition. Nor do I favor placing Radio with the interstate commerce commission. That body already has its hands full with the rallroads.

#### HOT DOG! THAT'S A MEAN NUMBER



With one fuzzy ear cocked for jazz, Rekcod wags an enthusiastic appliance if the syncopation suits her canine fancy. WLS claims this winner of a bine ribbon at the last Ohlcago dog show as its youngest fan. Noxt to listening to broadcast jazz music, Rekcod, who is nine months old, enjoys telephon-ing and can recognize the voice of her playmate, little June Docker of Oak Park, III. Radio seems to fascinate the wire-haired for terrier.

#### Six Lines Carry Telephone

Requests to Station KFOA
SEATTLE, Wash.—A probable solution
to the handling of humbers of request and
thank you ealls is announced by Station
KFOA here. A special stx-line telephone
switchboard has been installed in the
station. With this new equipment the
station will be fitted to handle city requests with speed and dispatch at the
rate of about 400 per hour.

iana Department Legion program to be broadcast from Station KWKH, here, May 8, 8:00 to 10:00 p. m. Central time. A feature of the program will be the ren-dition of any of the old war tunes re-quested by veterans.

#### Five Musicians to Four Homes

station. With this new equipment the station will be fitted to handle city requests with speed and dispatch at the rate of about 400 per hour.

Legion Broadcasts War Songs STREVEPORT, La.—Military must popular during the world war, played by the Shrine band of El Karubah Temple, El Karubah fife and drum corps, quartet and other music, will feature the Louis-

#### KTAB AND KOA BOTH TO BLANKET SPHERE

STATIONS BLAZE WAY FOR ROTARY CONVENTION

150,000 Members Will Tune In—Inter-national Body Meets in June at Denver

at Denver

Rotarians far and near, representing more than thirty-five countries, are destined to be serenaded by two broadcasting stations in globe-encircling trials May 21 and 26. The Radio greetings which will permeate the air are in preparation for the international convention of the Rotary organization which will be held early in June at Denver, Colo.

The May 21 program, to be radiated on 240 meters by KTAB, the Post Enquirer station at Oakland, Calif., will begin at 4 a.m. Pacific time. This is equivalent to 10 p. m. May 21 in Australia and New Zealand, and 7 a.m. May 20 in the Eastern time band of the United States. The KTAB program will be more in the nature of civic boosting and will call the attention of members of Rotary, Kiwanis and Jions clubs to the new \$10,000,000 harbor pro-sect at Oakland.

Torsiculus to the new Sti,0,00,000 marker project at Oakland.

150,000 Members Will Listen At Denver, however, KOA will devote the whole night of Wednesday, May 26, to a world girdling attempt in honor of the Rotary international convention to be held in the city in June.

Instructions to stand by already have been sent to 2,500 club organizations comprising 150,000 members living worldwide from Europe and South Africa to South America, Australia and the Orient. Serving as a backbone to this spectacular dusk-to-daybreak entertainment will be music, including patriotic airs of all nations, to be furnished by the best artists available.

A big feature, it was expected, will be

available.

A big feature, it was expected, will be messages of greeting to broadcast listeners from annbassadors and high statesmen representing the principal countries to the mile-high Rocky mountain station will transmit.

tion will transmit.

Greetings in Native Tongues
As a means of stimulating additional interest among ethereal enthusiasts, these microphone greetings will be given in the native tongue of the country represented.

the native tongue of the country represented.

Special broadcasts have been planned also for Rotarians at sea, who will be en route to America from all parts of the globe to attend the international convention of the organization, to be held in Denver early in June.

KOA's world blanketing attempt will be launched promptly at 8 p. m. Mountain Standard time, Wednesday evening, May 28, and will be continued without a break until 5 o'clock the next morning.

Records show that KOA without previously undertaking an all-night, long-distance broadcasting attempt, has already spanned both the Pacific and Atlantic oceans, having been heard in the state of Canterbury in New Zealand on the west and Birmingham, almost in the geographical center of England, on the east.

### Sure! And It's Good

R ADIO DIGEST breaks all records in the big Mid-May special, out Friday, May 14, which has been under preparation for several weeks. Station features, fiction, authentic inside Radio news, technical features and pictures galore.

You'll get a thrill out of "Mrs. Pollyblank's Medal," true story of the far north, a mother's heroism in rescuing her drowning babe from icy waters and how she was rewarded. Little "Mike Alpin" will broadcast a thing or two you never heard before. Ever hear of the Wolverine "Ether Busters"? Wild horse and brones "ain't in it."

The technical editor takes off his coat, rolls up his sleeves and

tells the tinkering set owner how to spring houseclean.

The \$500 in awards to the lucky sleuths who doped out the last chapter to "A Step On the Stairs," will be announced.

And don't fail to read the next installment of Hugh Fullerton's romance, "Big Rabbit." You'll cross your fingers every time you see cotton tail.

Remember, the big Mid-May special-ON ALL NEWS STANDS

#### BROADCAST CALL FOR MINISTER OVER WBZ

He Hears and Then Telegraphs His Acceptance

His Acceptance

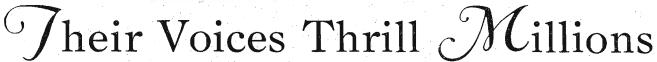
SPRINGFIELD, Mass.—What is believed to have been the first call ever extended by a church to a prospective pastor through the medium of Radio, was made recently over the WBZ microphone when the Chase Memorial Baptist church of Springfield, Mass, brondeast a call to the Rev. E. L. Washburn of Penacook, New Hampshire.

The official board of the church metearly in the evening and unanimously voted to call Mr. Washburn and at the same time they expressed the feeling that the call should be made immediately. The aid of Station WBZ, Westinghouse, New England station, was sought and as a resuit, within less than an hour after the board had passed their vote, the call was broadeast.

Mr. Washburn heard the call and tale.

Mr. Washburn heard the call and tele-graphed his acceptance the same evening.

KTNT Puts up New Towers
MUSCATINE, Iowa. — Two galvanized
steel towers are being erected at Calliaphone studio KTNT, here. The towers
will be erected with a number of colored
flood lights about them to flood them at





## A Dead Man's Guests in Llay



## Here's Cheer for June Brides



"Now stir in three eggs," says Ellen Rose (above), talking into the microphone as she advises and works with brides in her kitchen studio.

#### By HAROLD P. BROWN

AY-the first month of the bridal season!
These are the busy and the season!

These are the busy and the exciting days for the anxious brides-to-be. There are trousseaus to be made and new home furnishings to be considered. In the offices of the big cities, in the homes—city and country—Betty is getting ready for the big event of her life. Mother is worried and dad is melancholy—daughter, the sunshine of the house, is going away to a new nest.

After the great day, the farewells, the bridal trip and then the advent into the new home—and home duties!

Ah! There's the rub—"

What will Betty do then, poor thing, if she hasn't had much experience at baking biscuits, bread, cakes, pies, eooking meats and vegetables?

Well, it won't be as hard as it was when mother was a bride.

Betty will have the advice of some of the most expert home makers in the country right in her parlor every day—blind and deaf, perhaps, but not dumb! No prying eyes, no embarassing questions, just straight talk on what to make and how to make it—right from the Radio receiving set.

PROBABLY one of the best known women to advise house-wives over the air is Ellen Rose Dickey of the Sears-Roebuck station, WLS, Chicago. "Ellen Rose," is the name by which she is best known to her listeners. She is a real housewife and a mother, not a mere theorist. She makes and bakes what she

mother, not a mere theorist. She makes and bakes what she preaches and has the resources to make sure she is right before going ahead and broadcasting.

Her "Homemaker's Hour" begins at 9:15 in the morning. Her studio is a well ordered kitchen in the Sears-Roebuck plant where the flour, eggs, milk, seasoning and other ingredients are often stirred, rolled and patted as she turns to the microphone and chats neighborly about it to Mrs. Annabelle Peters of Jasperville, Maine Mrs. Marion Carter of Boxwood, Virginia; Mrs. Mabel Field of Hastings, Michigan; Mrs. Irving Hill of Tacoma, Washington; Mrs. Catherine Dwyer of Sunmount, New Mexico and a million or so others who tune in for the "Homemakers Hour" at their homes in the areas between those points.

"People sometimes ask me," said Mrs. Dickey to her interviewer, "how a busy housewife can take time out of her early work to listen to a Radio talk at 9:15 in the morning. But it is very apparent that she does. Many not only listen but they make notes and take down the details—especially young brides just learning how to cook

details—especially young brides just learning how to cook and the more experienced housewives who want to find

ON'T Worry About Burning the Biscuits, Ellen Rose Dickey Will Tell Newlywe's All About Making Pies, Cares, 'Neverything Over WLS, Chicago

new ways of doing things that they have been doing for years. The thousands of letters prove that they do.

"O NE morning I asked the members of our circle if someone would send me a good recipe for hassenfeffer or any other way for cooking rabbit.

"The deluge of recipes for cooking rabbit almost swamped me. It was simply astounding. I picked out the best of them and made up a special bulletin for cooking rabbit. But the prize contribution came one day in a big bulky package—a poor little bunny all skinned and dressed and ready to be made into hassenfeffer."

During the sausage season she presented her circle of listeners with her favorite sausage recipe. A very, very good recipe, she thought. But regardless of her own opinion there were a thousand or more other women who possessed equally prized recipes and one and all sent them to her, some with samples to match.

So, never you mind, Betty dear, when it comes around time to be thinking of that first dinner—what to do and how to do it. Just dial in 344.6 meters at 9:15 in the morning and Ellen Rose will help you. And if there is anything special you want to know that she doesn't happen to mention, drop her a line in care of Radio Station WLS, Chicago, and she'll either answer you over the air or by mail, It won't be as hard with the Radio as it was when your mother was a girl.

For fifteen years Mrs. Dickey was a "bowe a "bowe as a girl."

was a girl. For fif

as hard with the Radio as it was when your mother was a girl.

For fifteen years Mrs. Dickey was a "home woman," keeping the hearth for her husband and son, and when circumstances forced her into the business world she capitalized on her knowledge of kitchens and children.

When she talks to the farmer's wives she knows her listeners and their problems from her own personal experiences. Her childhood was spent near Saginaw, Michigan, where her father owned and operated fourteen farms. It was her chief delight to join her father on his trips to these farms where she visited in the homes and was invariably treated to the goodies that the motherly housewives had on their pantry shelves. Many of these families are today her most ardent listeners and she receives frequent invitations to "come for a visit and stay as long as you can."

Lovely pies and exquisite dainties are received by Ellen Rose (left) from the listeners in her Homomaker's Circle. Mrs. Henry Endecavageh (below) of Lemont Ill, is typical of thousands who are members of this circle conducted by Mrs. Dickey.



## "High-brow," and Lroud of It

M. TURNER, Discoverer of Hollow Carbon Granule for Hearing Devices for Deaf, Applies Invention to Modern Microphone with Surprising Results. Builds Radio Station KMTR and Presents Select Classical Programs.

By G. L. KING

THE afternoon heat of an August day, combining with the steam of the Seine, had wrapped a stiffing blanket around the little town of Vincennes, France, driving the shop-keeper back into the cool recesses of his store and the housewife out into the cobbled courtyard where the house cast a shadow that at least gave the impression of coolness.

of coolness.

Apart from the town and near the bank Apart from the town and near the bank of the stream itself stood an unpainted frame shack, an oddity in a town of stone buildings, in which a middle-aged man, collar off and in shirt sleeves, toiled on slowly in spite of the heat and humidity, too deeply enthralled by the fascination of his work to heed the glaring sun outside and the almost unbearable temperature inside the small room. In one corner stood a small electric furnace and the various workshop appartus of the scientist were scattered about on benches in apparent disorderly array.

The middle-aged man moved even more

The middle-aged man moved even more slowly at his work. Finally, with a glance at the clock, he stepped over and turned

off the electric furnace, the absence of whose hiss and off the electric furnace, the absence of whose hiss and sputter seeming only to accentuate the heat of the day. Then an impatient wait until the furnace could be opened and the tiny brick of material taken out. The crust was carefully broken in the center of which was a tablespoon of black pellets, not synthetic diamonds which are usually associated with electric furnaces, each about the size of an ordinary pinhead. These he placed very carefully on a piece of white paper, selecting a half dozen or so to put on a slide under a powerful microscope. The examination under the microscope took only a minute. tion under the microscope took only a minute.

HEN the man sat down heavily in the only chair in the place, tilting it back to get an approach to the comfortable angle of the American rocking chair, and rested as only body and mind can rest after a big task is finished. All the afternoon he sat there as the

and rested as only body and mind can rest after a big task is finished. All the afternoon he sat there as the sun slowly crept down to the horizon and the first cool breath of evening came, impervious to the changing temperature, his surroundings, hunger or time, dreaming on and crushing those tiny pills of carbon that had just come from the furnace between thumb and forefinger.

The rather heavy set man was K. M. Turner and on that hot August day in France Radio broadcasting, as we have it today, was made possible. The little black pellets that the furnace had turned out were hollow carbon granules, without which nearly every broadcast station today would be uscless, for the carbon eplets are the very heart of the carbon the promitted of the carbon today would be uscless, for the carbon pellets are the very heart of the carbon today would be uscless, for the carbon pellets are the very heart of the carbon today would be uscless, for the carbon pellets are the very heart of the carbon today would be uscless, and the hollow carbon granules, midscovering some means to aid the deaf, and the hollow carbon granules meant that the last of his work was done. Upon his return to America the General Acousticon company was formed to manufacture and sell those instruments that have meant so much to the deaf and near deaf, the acousticon. When next you meant so much to the deaf and near deaf, the acousticon. When next you see one of those triangular shaped, flat backed cases upon a person's coat, think of it as a miniature Radio station and the real father of Radio as it is

Not only did the discovery of the hollow car-Not only did the discovery of the hollow carbon granule mean a Godsend to the deaf, but the development of the dictograph followed, which has since so spectacularly played its part in crime detection and prevention. Nor did it stop there for the development has gone on and on through a variety of devices, each one of which has meant an additional service to humanity in some form or other. (Consinued on page 13)

At the top is H. M. Turner, whose careful research made possible the finest sensibility of modern microphone, also head of Turner Radio CorotTurner Sales to make KMTR distinctive as "high brow."



But KMTR is not too etherial to afford an hour for the children as may be seen in the above ploture. This particular foature is conducted by Miss Georgia Simmons who formerly conducted the Wren's Nest at Atlanta. Above, at the left, is Miss Simmons in negro mammy make-up telling Uncle Remus stories. The other pioture shows her as she is. The children in the studio with Miss Simmons help her to present the Children's Hour in a natural and realistic manner.

## BIG RABBIT & By Hugh

MONTH had passed without pay checks when the financier supposed to be backing the new Atlanta daily called all hots off and said he was through. Wen Lindsay and Dick Borton, imported for heavy reportorial duttes and to give the sheet New York style, found themselves broke and jobless.

"But why worry? Never trouble trouble till trouble troubles you," counseled the alert and optimistic Borton with one of his characteristic grins. "Something always turns up for the wide-awake newspaper man."

"Something always turns up for the wide-awake newspaper man."

No sooner spoken than done. The secretary of one of the leading bankers knocked at the door and announced that his employer would like an interview with Lindsay. The interview ended with \$1,000 advance expense money, jobs for both Lindsay and Borton and an assignment to locate Colonel Gaskill, a leading citizen, supposed to be laid up with gout. Lindsay called at the colonel's hone where he met Roberta Lee Tonneson, the colonel's ward and with whose fortune the old warrior had been gambling. He also had the opportunity of furthering an acquaintance that began with love at first sight, when he had rescued the girl's dog from beneath a passing automobile. Roberta told him the colonel was mysteriously absent and that she feared a negre servant by the name of Trimble, believed also to wield a strange power over Colonel Gaskill. She promised to send him a note if further developments threatened her safety.

With a heart yearning for the girl and first ideblies the leafer the resulting the leafer that the send him a note if further developments threatened her safety.

With a heart yearning for the girl and fists itching to smash Trimble he left the house and returned to his chum, Dick Borton.

#### CHAPTER IV

The Battle in the Sleeper

The Ballie in the Steeper

ORTON lay sprawled over his bed when I returned to our room, a pile of books on the floor, and halt a dozen of them scattered across the room as if he had thrown thein. He glanced up as I burst into the room and grinned.

"Did it make a hit with the fair damsel?" he inquired lightly.

"It?" I questioned, rather puzzled.
"Yes, the tie," he responded, "it is one few girls are able to resist. I hope she liked it. Is she beautiful, superb, matchless, like all the others of yours have been—for two weeks?"

"Shut up," I flared angrily. "What are you doing? Wasting alt this time?"

you doing? Wasting alt this time?"
"Just now," he answered slowly and
with his most tantalizing grin, "I am
reading up on the negroes of America,
their origin, habits, superstitions, and
especially trying to trace the tribes from
which negroes in certain sections of the
South were stolen. How did you make
out?"

As briefly as possible I told him everything that had transpired. To my relief he became serious at once.
"It looks worse and worse," he remarked quietly. "I thought as soon as I saw that fresh nigger that it was serious."

"You managed to see him then?"

"You managed to see him then?"
"Yes, I bought a lot of vegetables, meats and fruit, borrowed a market basket and went to the back door to start an argument with the old negro woman who cooks. I insisted on delivering the things and she said she did the marketing herseit and had not ordored them. I kept disputing with her until Trimble came to see what was the matter."

"I heard him go. It helped us talk," I interjected.

I interjected.

"T opened up on him just to draw him out, and he certainly is breeding trouble for himself. The old woman is scared to death of him and made hooden marks on the floor while he was talking. Trimble had me puzzled so much so that I went to the library and held up the librarian for all these books.

"Didn't he strike you as an edd type?" "Yes, both in looks and in actions. He holds himself better than the other negroes, and equal or superior to the whites."

THOUGHT I knew the southern negro," said Borton carnestly, "but this one is a new kind to me. He isn't Kaffir: he isn't Guinea; he isn't Hottentot. His ancestors came from one

of the central African tribes. Some of them must have crossed either with the Creeks or with the Seminole Indians. He hasn't a forp of white blood in him.

"You see," he went on rapidly, "the negroes caught by the slave hunters were from the coast tribes, mainly, later from the tribes further inland. If the cargo was all from one ship, the chances were they would be sold in one district, so they intermarried and retained many of the tribal peculiarities. You will find a lot of plantations where the owners did not believe in selling their slaves, where the peculiarities of accent, the skin tones, and the traditions still survive. This Trimble is uncommon. I can't quite figure his breeding."

"He calls himself King Solomon and acts as if he thought he was of royal blood," I observed.

"That is common enough," laughed Borton. "Many good looking negro men set up the claim that they descend from African kings, and they often pretend to chieftainship. This one may be the genuine article. He has an unusual bearing. By the way, did you notice any rabbit marks?" I asked, starting with surprise. "No— not about the negro; but I saw rabbits everywhere in the Major's house."

"Rabbit marks?" I asked, starting with surprise. "No— not about the negro; but I saw rabbits everywhere in the Major's house."

"Where? What were they?" demanded Borton, oddly agitated, and leaning forward eagerly.

"I noticed the Major's noto paper had a rabbit printed on it, the andirons in the fireplace were rabbits, and the book mark had a rabbit embroidered on it. Besides there is a rabbit's foot, a great big one, in a case on the major's writing table. I thought it was a funny idea."

"I should say it is funny," snorted Borton. "You idlot, didn't you ask the girl about it?"

"Where? What the deuce are you driving at?" I fired back angrily. "Think' I pay attention to every fool superstition? It's

"What the deuce are you driving at?"
I fired back angrily. "Think I pay attention to every fool superstition? It's

probably some whim of the Major's like the rabbit foot bringing luck."

"O H LORDY! What's the use?" groaned Borton. "You fellows who never had to live among them think negroes are simple, harmless jokes. Understand this; the rabbit's foot means something to a negro who remembers the traditions of his African forefathers. This affair looks worse the more we go into it. And you were so confoundedly upset by the sight of a pretty girl—O well, what's the use?

African forelathers. This affair looks worse the more we go into it. And you were so confoundedly upset by the sight of a pretty girl—O well, what's the use? Let's get down to the Piedmont, get some dinner, and see what we can learn about Gaskill."

We both were rather irritated, but, following our long-established custom, we avoided discussion as we went to dinner. We learned little except that Major Gaskill was a hard drinker at times, and a lawish spender of money when in funds. It was nine o'clock when we returned to our rooms. The landlady was waiting for us with a note.

"Old darky woman left it," she said, "about half an hour ago. She said it was Important."

I tore open the note hastilly, recognizing the writing I had seen for the first time that afternoon.

"They are taking me away tonight," the message ran. "Trimble found one of the notes we dropped in the library. I heard him and Tillie, my maid, planning to tuke me somewhere. Please try to stop them. Don't call the police but come quickly. They spoke of taking me south. They do not know I overheard, so mammy Hannah will bring this. Please come quickly.

The signature was a scrawled monogram. Before Borton had time to read the note I was imploring him to hurry, raging at the carelessness we had shown in not being at hand when Mammy Hannah and fallen not only unexpectedly

but much quicker than we had antici-

but much quiese and pated.

"Call a taxi," directed Borton, who was preparing for action with quiet haste. "Take fifty or sixty dollars in small bills off that roll of yours and conceal the rest somewhere in your clothes. Keep cool. With you in a sec-

ond."

He was getting ready as quickly as he would have done if summoned to cover a big newspaper story. I could not help admiring his calm manner, and it did much to help me to recover from my excitement.

R ING up the house first," he ordered, while gathering a few clothes up in a small satchel. "See if they have started. Then get the station and learn train times."

I had already summoned a taxicab and, perspiring with excitement and anxiety. I called the Gaskill mansion time and again, urging the girl at the telephone to continue ringing. No reply came. "They probably have started. Get the taxl office again."

"Hello," I said when the taxl office at the Piedmont replied to my second call. "Have you sent a cab to Major Gaskill's house?"

"Yes, started half an hour ago." came

Yes, started half an hour ago," came

"Yes, started half an hour ago," came the quick unsuspecting reply.
"Come on Dick," I yelled. "Don't wait for the station call. They left less than half an hour ago. There's a bunch of trains that leave about ten o'clock. We'll catch them at the station."

Spurred by offers of higher pay, the taxi driver sent the car at reckless speed through the downdown district. Be swing around the corner at the Maxwell and drew up at the edge of the tracks at the end of the station. We threw him a bill and together raced almost the length of the station. "Reporters," we explained breathlessly.

"We must catch them," I said, hand-

lessly. "We must catch them," I said, handing him some money.

Borton already had passed through the gate and was sprinting along the tracks in pursuit of the slowly moving train. I followed at top speed. Lucklity for us the rallway tracks run at a grade for a few blacks compelling a slow rate of speed. Before the train had begun to gather speed for the dash through the tunnel cut. Borton had swung onto the rear platform of the private car, and held out his hand. I leaped, he grasped me and after a moment's struggle my foot found a hold and an instant later we clung to the steps. Fearing to be brushed off from our precarious footholds we clambered around over the couplings; and a moment later we stood in the observation platform, panting, perspiring, wondering if our presence on the car had been observed. To escape being seen we stood at either side of the door leading into the car. By peering around cautiously we could see the reflection of light but the view of the interior of the car was cut off by a drawing room partition.

OTHING to do but go in," punted Borton after we had pa 'Itally regained breath. He tried the door carefully. It was locked by a spring lock inside but the upper part of the glass portion was lowered and by reaching in Borton managed to shove it down. He pushed the catch and the door opened.

He pushed the catch and the door opened.

"Come on," he whispered, and led the way cautiously, advancing along the narrow corrider. At the turn we stopped. Toward the front end of the car we could see Trimble standing. With him were the Pullman conductor, the porter, and a brakeman. Evidently they were settling the matter of transportation. for the conductor had his back toward us and was checking the tickets. As he counted the slips of paper I heard lith say, "Four."

"No good," whispered Borton, drawing his head behind the angle. "We'll have to hide somewhere until the trainmenget out. We can't set past Trimble, If we can reach the trainmen long enough to explain, they'll help us. If they catch us new, they'll take us for tramps and kick us off. Let's hide until the coast is clear."

Borton tried the door of a stateroom cautionsity, but found it locked. The next

clean."

Borton tried the door of a stateroom cautiously, but found it locked. The next one, fortunately, opened.

"They're not going to use this oue," he whispered, "Hide under the berth. Luckily this is an old-style car and the berths are high enough to get under."

"I'll slip into another room and hide there. Take hold of the end of this



"Wo're in Jacksonville, Florida," he (Dick) announced. "And all my money is gone except what is sewed in the lining of my coat."



string. When I jerk it you come and come a jumping. I'll signal you as soon as the trainmen get out."

HE door closed quickly and 1 felt THE door closed quickly and I felithe the string tighten. Then, after a minute, it remained motionless and I knew Borton had found his hiding place without being detected. Looking around for a place to conceal myself I doubled up and backed under the berth, letting the folded blankets drop to conceal my hiding place. It seemed hours that I waited there in the darkness expecting the tug on the string. I was alert in every muscle, starting at every noise.

It was hard to restrain myself, and the thought of Miss Tonneson in the power of the insolent negro made me grit my teeth and curse under my breath. I vowed to exact personal vengeance. Once, I thought, I heard sounds in the car, rising above the rumble of the train, now tearing along at full speed. I could catch the murmur of voices once in a while which seemed that a sharp, imperious voice was giving orders, and a softer one, which must have been Trimble's, was answering. My fears were relieved. relieved.

The remembrance of the fourth ticket The remembrance of the fourth ticket confirmed my belief that Major Gaskill must also be on the train. I was just getting ready to crawl out and investigate for myself, when I tugged at the string, and instead of an answering pull, the string came toward me without resistance.

sistance.
At that instant the door of the stateroom opened quickly: I could see a pair
of feet, shod in patent leather with
white spats, and I knew it was Trimble.
Not until that instant did I realize at
what a disadvantage a man is placed
when he hides under a berth. I tried to
prepare for a spring, to take the negro
unawares in case he discovered my presence but scarcely could move.

unawares in case he executed an ence, but scarcely could move.

"I thought I heard something in this room," said Trimble.

"No sah," responded the porter from

room," said Trimble.
"No said," responded the porter from
the passageway. "Ah straightened up
dat room mahself, jes befo' de train pull
out. No one ain't in hyah."
"You said no one was in the other
room, too," sneered Trimble.
Like a fash I realized that Borton
had been discovered. I struggied to get
clear of the berth. Trimble had half
stooped, to look under the berth, and my
first movement revealed my presence. I
made a desperate grab at his feet. One
hand gripped his leg. I pulled myself
clean, strove to seize both his legs to
bring him to the floor, and had almost
dragged myself to my knees when a terrific kick on the jaw rolled me, helpless
and grossy, on the floor of the car.
"That's the other one," said Trimble
angrily to the porter. "How did he get
in here? Til fix this one."
My dazed brain was struggling to re-

In here? Til fax this one."

My dazed brain was struggling to regain command of my paralyzed body. I felt a sharp sting in my arm. Dimly I realized that the negro was using a hypodermic needle. I fought blindly to reach him. Then a great weariness overcame me. My body seemed to die.
"That will fix him." I heard the negro say, his voice sounding from afar. He turned me over. A sharp exclamation of surprise broke from him, and a victous kick that seemed to drive in my ribs

followed. The kick half awakened me from the lethargy that deadened my muscles.

muscles.
"That one was at the house today," I heard him say augrily. "Nigger, am 1?" he kicked me cruelly. "Trimble, eh?" He kicked me again.
Then the rattle of the wheels on the fish plates sounded a lullaby and I sank into unconsciousness.

#### CHAPTER V

Seeking the Rabbit's Tracks

HEN I regained my senses I was sitting bolt upright on a grassy embankment at the side of a rallway track. Before me, more than a mile wide, stretched a magnificent river. A white, beautiful, ocean-going yacht—flying a strange pennant—rode at anchor at the turn of the river above. A long bridge, vellow and suddery.

yacht—flying a strange pennant—rode at anchor at the turn of the river above. A long bridge, yellow and spidery, spanned the water and disappeared into the pine woods on the opposite shore. A ferry boat was chugging its way across to a big amusement park. On one side as far as the eye could reach the curving shore was lined with magnificent houses, the lawns spreading down to the water's edge.

At many of the private docks launches and yachts were waiting. In the other direction a city of towering spires, tall hotels, and magnificent public buildings sloped gently back from the rows of docks along the river's edge. Beyond the city the river turned and widened into a great expanse, upon which large ocean liners and rust-red tramp steamers lay at anchor.

I glanced around, slowly striving to remember what had occurred. A few feet from me was Borton, stretched upon his back, unconscious, although I could have sworn his eternal grin was plastered on his handsome face. With an effort I rallied and crawled to where he was lying. I shook him; but the only effect was the quickening of his deep breath-

ing. I shook him; but the only effect was the quickening of his deep breath-

ing.

I was weary and aching in every mus-I was weary and aching in every muscle. The places where the negro had kleked me pained until it was an effort for me to move. My head ached and my mouth seemed kiln-dried. I kept shaking and tugging at Borton, calling his name, and after what seemed a long time he opened his eyes. Then he sat up and looked around. Gradually the astonishment on his face gave way, and, looking at me, he grinned. It would have been laughable to anyone in a mood for laughter. laughter.

"Where are we?" he asked with the idiotic expression of a half awakened

"I don't know," I responded weakly. We sat and looked at each other foolishly, and finally, as if with an effort, he aroused himself.
"Let's get to the river and wash. The water will help," he suggested.

WERE so weak and sick that crawling down the ten-foot embankment to the water's edgewas heart-breaking effort. Every muscle of my body protested; but finally we reached the water and plunged our hands and arms into the cool depths. It served to arouse our deadened faculties.

"Salt," commented Borton as he spat out some water. "We've reached the ocean somewhere. How did it happen?" I told him my final experience, and the encounter with the negro. "He got me quick," commented Borton, his chin setting with determination. "I left the door open in order to hear the trainmen go out. They quit talking and I stuck my head around the partition to see whether they had left the car. Trimble was right on top of me. He kicked me and I went to sleep. He must have doped me too."

We made the best toilet possible, and feeling much revived, crawled back to

feeling much revived, crawled back

teening muon revived, crawled back to the grassy spot to rest. "We're a fine pair of detectives," said Borton with sarcastic emphasis. "We are not," I agreed bitterly. "I wonden," asked Borton after a time, "whether we are good enough at this line of work to find out what city we are in?"

line of work to find out what city we are in?"
With an effort which left us almost exhausted we climbed up to the embankment, resting every few feet, and finally dragged ourselves onto a bridge over the railway, a bridge congested with traffic, which proved we were on one of the main trade arteries of the city. "I'm not ordinarily inclined to curioslity," asserted Borton whimsically, "but really, I would like to know what city we are in."
"Ask someone," I suggested wearily. "Not for me," he replied, grimning painfully. "If I should the man would either think he was being kidded or that we were crazy. He'll cither swing for the jaw or call the police. Walt a minute!"

Inspired by a sudden idea he crossed

Inspired by a sudden idea he crossed the street, stopped at a news stand and examined the papers, returning slowly and somewhat disturbed in mind.
"We're in Jacksonville, Florida," he announced, frowning. "And all my money is gone excepting what its sewed in the lining of my coat. How is youre?"

I made a hasty inventory and discovered with much relief that the bulk of the money Kincaid had given me was safe.

M INE's all here, excepting some small bills I put in my trousers pocket. They overlooked the big roll.

Let's get freshened up and plan the next step," suggested Borton. "At least we are nearer the scene of action than we were in Atlanta, even if we have lost the trail."

we were in Atlanta, even if we have lost the trail."

We signalled a street car and, in a few minutes, reached the business center of the district. We found a table on the baleony at the Seminole. A pot of coffee, dripped to double strength, revived us and, while eating breakfast, we studied the strange adventures of the preceding twenty-four hours, and made plans for further pursuit of Trimble and the missing girl. "It's a blind search now," said Borton, although from the set of his jaw it was plain he was less discouraged thun I was. "We'll have to cast around to find the trail. The best, clue, we have is that car I found before going to sleep last might," he grinned as he said it, "it was a private car." Major Gaskill heard from Trimble that there was danger of exposure, and the major was danger of exposure, and the major

slipped to Atlanta, used his influence and got the car.

"I heard the conductor say it was the best that could be found at short notice. I'll trace the car. You go to the telegraph office and see if you can learn whether Trimble or Gaskill did any telegraphing. After that go to the water front and find what boats have left. Ask for a boat for Major Gaskill, two girls, and two negro men abroad leaving early today."

"Two negro men?" I asked, surprised. "Of course. The porter never would dare go back to the job after what hap-

"Two negro men?" I asked, surprised.
"Of course. The porter never would
dare go back to the job after what happened in his car. Either he is in hiding
or has joined Trimble and, I think, from
the control Trimble had over him, he is
with them helping Trimble."
"Control?" I asked incredulously.
"Yes. Else he would have raised an
laarm. Trimble put the cunj on him."
"Put the cunj?" I repeated, puzzled.
"Oh, you mean conjured him? You don't
believe in that sort of thing really, do
you Dick?".

"I STEN, Wen," he said, leaning forward and speaking so earnestly I almost laughed aloud, "make up your mind not to laugh at that sort of thing. It may sound foolish to us but it is really serious. Just after I crawled into the stateroom Trimble showed the porter something. If you ever heard a terrorized, overwed man it was that porter. He begged and whimpered and said he would obey the sign."

"What sign?" I asked, impressed but stifling a desire to laugh at Borton's seeming belief in negro superstitions.
"I don't know, I wish I did. I only suspect." He seemed worried and anxious, lowered his voice almost to a whisper, glanced around the room, and, leaning over the table toward.me, said:

anxious, lowered his voice almost to a wilsper, glanced around the room, and, leaning over the table toward me, said:

"I think it was the sign of the rabbit." I haughed aloud. It was luddroous; so trivial in view of the seriousness of our orrand I could not help it The idea of big, handsome Dick Borton, after years in the newspaper game, which is the surest dispeller of anything excepting realities, being overawed by a superstition was too much. In an instant I saw he was hurt and offended.
"Excuse me, Dick, I didn't mean to laugh, but it sounded so funny." "Punny?" he repeated, showing his chair back in irritation. "Let's get to work. But if I'm not mistaken, before we get through with this case you will not laugh at rabbit signs."

Unappeased, he stalked stiffly out of the hotel and I limped away to perform my portion of the task. After a brief skirnish around the telegraph office on Bay street, I encountered an old friend, a telegraph operator who had come South for his health and was working at central. I explained to him the seriousness of the situation and, after we had consulted with the superintendent, we violated the rules and I read the messages. Three had passed. One from trimble signed 'King' to Major Caskill warning him of danger. One from the Major to Trimble, telling him to bring Miss Tonneson to a car that would be waiting; another saying "Ready tonight," signed by Gaskill.

(Continued on page 28)

(Continued on page 28)

### BROTHERS ARE YOUNG SCHOOL BOY ANNOUNCERS OF WDAF AND KFKU



#### PHOTOS LEAP OCEAN IN TWENTY MINUTES

POSSIBLE TO OPERATE ON COMMERCIAL BASIS

Radio Corporation and British Marconi Company Cooperating in Develop-ment of Invention

Company Cooperating in Development of Invention

PLYMOUTH, Eng.—If the expectations of Richard H. Ranger and the Radio Corporation of America are realized, photographs will be transmitted across the Atlantic ocean in twenty minutes time at a cost that will permit it to be done on a commercial basis. Mr. Ranger is an official of the Radio Corporation and is now in England installing the apparatus and equipment, and plans on transmitting phetographs the early part of this month. The British Marconi company are cooperating with the Radio Corporation in the development of the device, which, the inventor claims. transmits pictures five times faster than any method riow in use, whether by wireless, Radio or cable. Due to the simplicity of its functioning, the device does not depend upon any artist or draftsman at either end. The reproductions are built up simultaneously by a special synchronating device which completes the pictures as soon as the transmission is finished.

\*\*Tor General Use\*\*

According to Mr. Ranger, it is planned to base the rates of transmission on a scale of fifty dollars for twelve square inches. Although it is probable that newspapers will be the largest purchasers of the service, the invention will undoubtedly prove valuable in the sending of signatures and other reproductions needed by private individuals or business organizations.

The invention is based on the reduction of "picture impulses" necessary for reproduction from about 20,000 per square inch. to 4,000. This is the main factor in quintupling the speed, efficiency and economy, and making the transmission commercially practical.

The synchronating mechanism is controlled by tuning forks and pendulums

and making the transmission commercially practical.

The synchronating mechanism is controlled by tuning forks and pendulums pick the light and dark of the picture, analyzos it in terms of impulses and then by an almost instantaneous process builds up the same impulses on the other side. Two recent trials between New York and London and Honolulu and San Francisco, were successful.

### AUSTRALIA? EASY! BUILD RYAN SUPER

EARD Australia yet? Now seems to be the time if you don't mind staying up late or awakening early to tune in. Another reader, F. Bignell, living at Regina, Sask, Canada, reports:
"I have been hearing 3LO, Melbourne; 2BL, Sydney, and 4QG, Brisbane, Australia, nearly every morning for two weeks. The time I listen in is from 3 to 5:30 a. m. Mountain time. I heard 3LO announce on two occasions that a big celebration would take place on Returned Soldiers' Day, April 25, that the parade would take a half hour pass a given point, and that the services would be held in the oxibilition building. I am using your Mr. Ryan's Simplest Possible Super-Het, which I built myself from your directions, and a loop aerial."

Izaak Walton League Will

Izaak Walton League Will
Enjoy "What Price Trout"
GRAND RAPIDS, Mich.—Brrrrrrr!
(the alarm clock). "Wake up, John! It's
4 o'clock." (from his wife). "What for?"
(this from sleepy Mr. Brown). "It's May
1," rejoins his better half. Yawns and
squawks. Business of arranging tackle
and hunting for mislaid favorite line.
Thus starts Wood's "What Price
Trout," a fishing presentation celebrating,
the 'opening of the trout season in Westcrn Michigan. The story of a day's fishing
expedition, in the family fliver, up trunk
line M54 to one of Michigan's famous
trout streams.
The trip starts promptly at 9 p. m. Bastern tine on May 2. "What Price Trout"
is the ninth MIIIs-Wetzol presentation
from the Furniture Capital station here.

Oklahoma Station Continues

Oklahoma Station Continues Fight in Radio Slander Suit Fight in Radio Slander Suit OKLAHOMA CITY.—The National Radio corporation, operating from Station EFJF here, recently entered a motion in the state district court to set aside a \$20,000 default judgment rendered against it in a case in which C. W. Fries, undersheriff of Oklahoma county, charged slander. The action was thrown out once on a demurrer, and counsel for the Radio company said they were not advised that it had been reinstated. They set out that they are prepared to make a defense and would have done so had they known the status of the case.

By Marcella .

By Marcella

A great many feminine hearts are a flatter over Norman Brokenshire, of WJZ. Too many, it seems to me, are curious for me to keep his personal habits a secret any longer. Well, Norman (you see I call him by his first name because he and I are great friends), is a very likeable chap. Born in Murchison, Ont.. Canada, about 28 years ago, he grew up more or less like Topsy and migrated to Cambridge, Mass., in early youth. Once he was a mechanical draftsman at Pittsfield, Mass. Then he was a doughboy during the world war. After the armistice he was selling things in New York—an occupation he could gather no love for—and one day he noticed a classified advertisement for a Radio announcer in a newspaper. He made the grade from out of a crowd of 500 replies. For a long time at WJZ, he was transferred to WRC, Washington for nearly a year. Then when the R. C. A decided to open a superstation at New York to take the place of old WJZ, they called their best announcer, our friend Norman, back to handle the station. And he's still there. He's slightly under six feet tall, weighs about 165 pounds, wears a cute little mustache, and has romantic, curly, dark brown hair. And yes, J. H., Rena and Frances, he is single!

Says Mrs. M. J. E. "Wish you would write a little something about Ellen Rose Dickey of WLS. I like her a great deal and have been looking for a feature writeup of her in your women's section." Your prayer is answered in full. Just turn back to page six and look. We wouldn't do that for everybody, you know, but only our best friends.

More about George Hay? After read-More about George Hay? After reading what I told you two issues back, you certainly should know almost everything. Well, the reason he left WLS, if you must know, is perfectly admissable. He likes Tennessee very much, WSM heing there, and besides, because he likes to pay lucome tax, and he would have to pay more in the position WSM offered him, he accepted. What did he do before he became an announcer? He was a newspaperman. His experience in this line was extensive, and he still writes a corking good feature story. Look at my column in the April 17 issue for more details of his looks and life.

Wendell Hall is headin' South. Towns to be made, he tells me, include Charlotte, N. C.; Atianta, Ga.; Memphis, Tenn.; Dallas and Fort Worth, Texas; Nashville. Tenn.; Hot Springs, Ark.; San Antonio and Houston, Texas; New Orleans, La., and Jacksonville, Fla. His "Little Girl from Chicago" is accompanying him.

Clyde Hager, formerly of WMBB, Chicago, is now out in Hollywood directing the studio destinies of the fourth movie colony to be on the air. KFQZ is the station, operating on 226 meters, or 1330 kilocycles. The studio is located in a sumptiously furnished California bungalow in the heart of the Hollywood residential district. Mr. Hager thinks be has one of the prettlest little studios in the country and is completely sold on palm trees, orange blossoms and Mack Sennett hathing beauties.

## AID GOBI EXPLORERS

SPECIAL RECEIVER TAKE TO TUNE IN ON KDKA

Intrepid Desert Expedition Will Depend on Signals for Making Maps and Keeping Location

and Keeping Location

PITTSBURG, Pa.—When Ray Chapman Andrews and his co-workers from the American Museum of Natural History set out from Peking, China, April 15 on their third Asiatic expedition, the technical staff took care to load their prized Radio-equipment on the back of their most trusted camel from the herd of 150 going with them into the unexplored wastes of the Gobi desert.

The scientists, who on returning from their last expedition brought news that they had found eggs ten million years old belonging to the Dinosaur, are setting forth this spring with two principal expectations: They hope to make discoveries even more notable than pre-historic eggs and to keep in touch with Westinghouse Station KDKA, here, whose time signals, they declare, will be of invaluable aid to the topographers in mapping and determining their latitude and longitude.

Time Signals Important to Explorers Word concerning the expedition's Radio plans is contained in a letter written by J. B. Shackelford of the technical staff to C. Dare Fleck, program director for ICDKA.

J. B. Shackelford of the technical staff to G. Dare Fleck, program director for KDKA.

To what extent the explorers of the desert will rely on KDKA's time signals is emphasized by the scientist who writes that they are carrying a receiving set built especially for long distance reception from this station.

"Music, news from home and other broadcasts will be welcome," he says "but most welcome of all will be the time signals from KDKA."

KDKA has received numerous letters commenting on the value of the time signals, particularly to vessels along the eastern coast and in the Gulf of Mexico. By means of this service Radio nids the mariners in keeping their correct bearings and safeguarding them against accidents along the coast.

Yes, John, the MacDowell sisters, Grace and Edith, still sing at WFAA. Yes, they still make records now and then at Kansas City. When I asked them if they were married or single, they replied by saying "Both." Which evidently means that one of them is and the other isn't, or both are. We think they mean the latter, for they are too interesting to stay single. Jolly good-natured and pleasing, the two have thousands of Radio friends. As for a description of them, let them tell you:

"You can see by our pictures that we are not 'flappers,' as a great many young men seem to think, according to their letters. However, our Radio audience loves us in spite of it."

All those in favor, say aye.

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

## the TAIRS

CHAPTER NINETEEN

The Killer

T CANNOT be said that the late Jeremiah had been a popular figure in the community of Pelican Bay. As resident member of a family that had contributed so much to the history and wealth of Portsmouth and the bay shore he had moved in a rarified atmosphere, known for his ancestral associations rather than for anything that he himself said or did. Few indeed of the dwellers along the bay road or in the estates more closely adjoining beyond the cedars had ever seen Jeremiah at close range until the day when the whole county turned out to pay him lonor and witness his departure from the old manse via the front door.

But for all that there was not a man, woman or child in the region who could not have recited every detail of his pedigree, biography and personal habits. The Turners had been a sort of hereditary legend in Pelican Bay for so long that their deeds had been woven into fireside tales and even cradle songs. And the community had felt a personal loss in his tragic removal—a loss for which there was no widespread friendship or great good will to account.

Something of the public attitude on the matter was reflected in the faces of the haggard guests, the state troopers and the secret service operatives as they stared in amazement at Peleg Turner, come back from the grave so opportunely to confess a fratricide. history and wealth of Portsmouth and the bay shore he had moved in a rarified

A OU killed him?" breathed Everett almost unbelievingly. "You understand what you are saying?"
"I understand what you are saying?"
"I understand perfectly," replied Peleg with little or no show of emotion. "I came home unexpectedly the night before the killing. Afterward I went away and came home again. I shot him through the head over there on the hearth and a jolly good shot it was, too."
"Don't talk like that!" broke in Ardwyn hoarsely. "You don't know what your are saying, Peleg. Mr. Everett, Captain Cass, don't listen to him. The man is crazy."
"No, Ardwyn," Peleg interrupted with a shake of his head. "You are jumping at conclusions again. I am probably the sanest mun in this room."
"If he wants to talk, let him." sug-

"If he wants to talk, let him," suggested Everett. "We might as well clear this thing up now. Mr. Turner, have you any explanation to make concerning why you killed him? Had you quarrelled with your brother?"

Old Peleg's gray eyes dulled as if with a mist and his voice was choking when he answered.

"No," he said. "We never had a quarriel. I loved Jermiah. I looked after him since the day our mother died and left him in my care. . And that is why I have no regrets for what I have done. . ."

Tolliver sniffed angrily.

Touver sinited angrui, "The old boy is off his nut," he confided to Hazel Stanton who happened to be nearest him. "Just another of these stories where a lunatic thinks he's conferring a favor on somebody by knocking him off."

"Keep quiet," retorted Hazel impatiently. "This is no affairs of yours."

"Keep quiet," retorted Hazel impatiently. "This is no affairs of yours."

"It certainly is my affair," replied Tolliver in a hurt tone. "I been in it as deep as anybody else for three hours..."

"Hush," commanded Hazel. "There's something more to this."

It was apparent that Everett shared something of Tolliver's view of the case for his next question showed his puzzlement over the discrepancy between Peleg's avowed affection and Peleg's casual confession of murder. "You loved him so much that you murdered him?" he asked.

"Do you mean..." he began. "But you can't mean... Why I thought you knew... I thought that was why you came here tonight... I knew somebody had talked of opening the grave... I didn't kill my brother. I killed the man the gang had put in here to take his place after they murdered him. The man on the hearth wasn't Jereniah. He was a New York gunnan. And I didn't murder him. I killed him in self-defense in a fair fight..."

"Well I'll be doggoned," commented Tolliver.

## By Robert J. Casey

Radio Dramatization by FRED SMITH

Illustrations by HILMER C. OLSON

"WE DIDN'T know any of this," said Everett.

said Everett. "I am sorry gentlemen," apologized Peleg. "My head is a little muddled or I guess I'd have seen how the land lay... Well it's easily explained.
"Hari Singh had been away. While he was gone I put Jeremiah in charge of this house and I went away, too. The cruise was to have lasted five years. "Then Harl Singh came back here to look for a job from Jeremiah and he got hired because the gang thought he was a foreigner who didn't know anything about the neighborhood. But the was a foreigner who didn't know any-thing about the neighborhood. But the man who was living in the house and passing himself off as my Brother Jeremiah was not Jeremiah and Hari Singh knew it. There was some re-semblance—enough to pass with some pretty close friends when they came to-look at him after a 45 bullet had messed up his face, but Hari Singh wasn't fooled. He sent for me and kept his eyes open."

"Do you mean to tell me that any-body could have passed himself off as a Turner in Pelican Bay without being detected instantly?" demanded Everett. "I'm telling you just that," replied Peleg evenly. "The Turners are the best known people in these parts but it's mostly by hearsay. None of us ever stayed ashore long enough to pick up many friends. many friends

many friends.

"Anyway this man was passing himself off as Jeremiah Turner and doing a good job of it when I came home. I came in through the front door unexpectedly and he recognized me. He pulled a gun and I killed him."

"But your reported death?"

"But your reported death?"
"All part of the same story. The gunman looked like Jeremiah. Therefore he
looked like me. We buried him once as
Jeremiah. Then we dug him up, shaved
him and buried him a second time as
Peleg Turner. It was really John Cartan's Idea. He had found that he could
learn more by keeping out of sight."
"Then," commented Everett, with

some disappointment, "We're right back where we started from. Who did kill Jeremiah Turner?"

HAD hoped to find out tonight, gentlemen," Peleg replied. "But you know how the evening turned out. The man I killed was an underling. I don't know who killed my brother and I probably never shall."
"Perhaps I can help you out," suggested Mary Williams. "I think I can point out the murderer..."
"I knew she had something to do with it," cried Aunt Helen Holmes. "I could feel it in my bones."
But no one paid attention to her. Everyone was looking at Mary, who had stepped away from the side of her police guard and now stood looking from one to another with half closed eyes.
"Weil then who killed him?" snapped Everett.

Everett.

"I can't tell you his name," said Mary,
"We have no time to waste on guessork."

"We have no time to waste on guess-work."

"This is no guesswork, Mr. Everett. I know. The man who killed Jeremlah Turner is in this room and you can easily identify him. He is not Mr. Ardwyn, but he has a row of teeth marks on his wrist."

"How do you know that?" questioned Everett.

"Find him," commanded the girl. "Ask your questions afterward."

"Silly business," the secret service man declared. "But we'll see. Ladies and gentlemen, hold out your wrists."

The inspection took only a moment. Ardwyn's bandaged hand was passed and a quiek glance about the room showed no similar wound.

"Sorry," Everett reported with mock courtesy. "Tou had me going for a minute, but everyone here seems to be intact. Have you any other suggestions?"

"Just one more," countered Mary Williagus with a tripuphout protect have to hav

intact. Have you any other suggestions?"

"Just one more," countered Mary Williams with a triumphant note in her voice. "Look at the man on the floor, I'd advise you to look in a hurry. He's regathing consciousness."

Everett looked. "You're right," he admitted with a vehemence that showed he had finally been shaken out of his professional calm."

"The man's right wrist is bleeding."

"Why that's Cousin William Caryl," moaned Aunt Helen Holmes. "Why all this is preposterous! Cousin William wouldn't kill anybody. He wouldn't hurt a fly. That terrible woman is making all this us to damn an innocent man. She'd do anything, she would. Ask him. . He's opening bis eyes. Ask him. . . He's opening bis eyes. Ask him. . . . Everett was raising Caryl's head from

Everett was raising Caryl's head from the floor.

"What happened to your wrist, Bill?" he asked in a calm wheedling tone.

"The boat got away and she bit me and I spilled the can of ether," muttered Caryl incoherently. "If I could have got away. Peleg Turner won't be back for five years, Peleg Turner is dead."

"Out of his head," diagnosed Everett.
"Evidently was going to gas somebody and got it himself." wailed Caryl, with increasing vigor. "Don't let her got at me now... Don't let her... Keep that cat away or I'll bump her of like I bumped off old Jeremiah... Like I bumped off..."

CHAPTER TWENTY

A Door Closes

VERETT arose and turned apologetically to Mary Williams.

"Young woman," he said, "It appears that you were right. And I can't say that I'm particularly proud about the way we've Ireated you."

"It's nothing," replied Mary Williams.
"You worked on what information you could get. My Information was better.

That was all there was to it."

"Would you mind telling me how you knew William Carry killed Jeremiah Turner."

"Not at all. I wee because

Not at all. I was here when it hap-

pened."
"You saw the murder?"
"No., I didn't see it. The thing happened here in this room in the dark. I could only hear what was going on. In the morning there was a new Jeremlah. Turner in the place and I saw that I

(Continued on next page)

WHO WILL WIN THE

## **\$500** in Gold

FOR SOLVING

## "a Step On the Stairs"

ERE it is-the tenth installment and conclusion to Mr. Casey's thrilling and carefully tangled mystery story. How many of you had an idea that Cousin William Caryl was the arch conspirator? Just how many the Mystery Story Editor does not yet know, but indications taken from the solutions so far submitted by readers. or by listeners to the drama over the air, point to the statement that very few, if any, even suspected that the pious William was supposed to play a very important role.

But watch for next issue—that of May 15—which will be on all news stands by Friday May 14. In it will be announced the winners of the \$500 in gold prizes for the best solutions to the story. Each of the principal winning solutions will be criticized by the Mystery Story Editor. It may even be feasible to reprint in whole a few

By the way, have you begun to read Big Rabbit, by Hugh Fullerton? Mr. Fullerton, whose name came into prominence some years ago when he said he knew 10,000 people-by name-is, like Mr. Casey, a graduate of the daily newspaper office. For years he has been associated with the largest morning daily newspaper in the United States. Knowing himself, he knows newspaper men and is well qualified to write a fiction story about them.

If you haven't read Big Rabbit, turn back to page eight and do it now.

#### AN EVENING AT HOME WITH THE LISTENER IN IN CENTRAL TIME

								190		w
- Call	Location	Met. )	Saturday	Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	w
AT9	Fort Bragg, N. C.	435	Silent	5:00- 6:00 6:00- 8:00	Silent	Silent Silent	Stlent	7:00- 8:55 Silent	Silent	w
CFCA CFCN	Terente, Ont Calgary, Alta	356.9 356.9 434.5	Silent 11:00- 1:00 10:00-12:00	Silent 8:30- 9:30	5:45- 6:45 Silent 8:30-10:30	Silent 8:30- 9:00	6:00-11:00 Silent 7:00-9:00	9:00-10:00	Silent	W
CKAC	Edmenten, Can Mentreal, Que Teronto, Ont		5:00 - 9:00		Silent	5:00- 9:30 5:00- 9:30	Silent	5:80- 7:30 5:80- 6:00	Silent	w
CKCL	lorente, Unt	356.9 384.4	6:00- 8:00 8:00-11:00	Silent 7:00-10:00	6:00-9:00 8:00-12:00	Silent Silent	Silent 7:30-11:00	Silent 8:30-11:00		w
CKY CNRO	Winnipeg, Man Ottawa, Ont Mexico City, Mex	431.5	6:30-11:80 Stlent	Silent 9:24-10:54	Silent	Silent 0:24-10:54	6:30-11:30 Silent	Silent	Silent 9:24-10:54	w
CZE	Maxico City, Mex. Pittsburgh, Pa	350	8:24- 9:24	Silent	8:24- 9:24 5:30- 8:55	8:24- 9:24	S:24- 9:24 5:30- 8:55	8:21- 9:24	3:24- 9:24	w
KDKA KFAB	Lincoln, Nebr	340.7	5:30- 8:55 5:30- 2:00	3:00- 7:45 4:00-11:00	5:30-10:30	5:30-11:35 5:30-10:30	5:30-10:30 Silent	Stlent	5:30-10:30	w
KFDM KFH	Beaumont, Tex Wichita, Kan,	315.6 267.7	7:00- 8:00	8:00- 9:00 7:15- 8:15	Silent 7:00- 8:00 8:00- 1:00	8:00-10:00 7:00- 8:00 8:00- 1:00	7:00- 8:00 8:00- 1:00	7:00- 8:00 1 8:00- 1:00 8	3:00-10:00 7:00- 8:00 3:00- 1:00	w
KFJF	Okla. City, Okla Hastings, Nebr	467 260.7 288.3	8:00 - 5:00 6:00 - 1:30 5:30 - 6:30	6:00- 1:00 2:30-11:45	6:00-10:45	5:00-10:45 5:30- 8:00	6:00-10:45	0:00-10:45 (	5:00-10:45 5:30-11:00	W
KFKX	Northfield, Minn., Shenandeah, Ia	836.9 263	Silent 7:00-12:00	Silent 7:00- 8:00 2:36- 8:30	5:30-11:00 Silent 7:00- 9:00	9:30-10:00 7:00- 9:00	9:00-10:00 7:00- 9:00	Silent 1	0:00-11:00 7:00- 9:00	W
KFNF	Canttle Week	454.3	11:30 - 1:00	Sitent	9:00-12:00	8:00- 1:00	9:00-12:00 B:30- 1:00	Silent	8:00- 1:00	W
KFON	Long Beach, Cal Fort Worth, Tex.	232.4 508.2	8:30 - 2:00 8:30 - 3:30	3:00- 8:30	8:30- 2:00 8:30- 9:30	8:30 - 1:00 8:30 - 0:30	Silent 9:00-11:30	8:30- 2:00 8:30- 9:30 6:15- 7:15]	S:30- 2:00 S:30- 9:30	*
KENO KENO	St. Leuis, Me Univ'ty City, Me	499.7 545.1 240	Sitent 7:45- 8:45 9:15-10:15	7:30- 8:30 0:15-10:15 Silent	6:15-7:15 8:00-9:00 9:15-10:15	6:15-7:15 6:30-7:39 9:15-10:15	9:15-10:15	Silent	9:30-10:30 9:15-10:15	٧,
KFVE KFWA KFWB	Ogden, Utah Hellyweed, Calif		10:00-12:00		10:00-12:00	Stient	10:00-13:00 8:30-1:00	Silent, I	0.00-12.00	l
KFWI	San Francisco. Cal	226	Silent 10:00-12:00	10:00- 2:00 Silent	10:00- 2:00 0:30-11:30	Silent 9:30-11:30	10:00 - 3:00 Silent	8:30 - 1:00 12:00 - 2:00 1 10:00-12:00 1	0:00- 3:00	l
KEXE	Oakland, Calif	361.2	10:10 - 2:00	5:30-10:30	8:00-12:00	8:00- 2:00		10:00 2:30	8:00- 8:55	l
KHI	Pertland, Dre Las Angeles, Cal	491.5	8:00 - 2:00 9:30-12:00	9:30-12:00 6:00-12:00	S:00 - 2:00 Silent		10:00-12:30	9:45-12:00	8:00 - 2:00 9:30-12:00	ŀ
KIAF KIR	Sihtinok, Minn Seattle, Wash	384.4	Silent 10:30-12:00	1:00- 5:00 7:60-12:80	9:00-10:00	Silent 9:00-12:00 8:00-11:59	9:00-19:00 9:00-12:00 Silent		9:00-10:00 9:00-12:00 Silent	i
KLDS	Onkland, Calif	440.9 508.2	8:00- 9:00 9:00- 9:30	8:30-10:00 Silent	Silent 8:30-12:00	9:00-11:50 9:00-11:00	8:80-12:80	0:00- 9:30	8:30-12:30 6:00-11:00	١
KMA	Shenandoah, la Clay Center, Nebr	252 229 280,2	6:00-11:00 6:00-9:00 6:00-11:00	4:00- 6:00 8:45- 9:45 9:00-10:00	6:00-11:00 8:00-0:00 6:00-11:00	8:00-11:00 6:00-11:00	Silent	8:00- 9:00	8:00-11:00 6:00-11:00	١
KMOX	St. Louis, Mo	336.9	8:30- 4:00	8:30-12:30	8:30- 2:00	8:30- 2:00 7:30- 9:30		8:30- 2:00	8:30- 2:00	ļ
KOA KOB	Denver, Colo StateCollege, N.M.	348.6	10:00-12:00 Silent	6:00- 0:40 Silent	7:30-11:15 8:30- 9:30	Silent	Sitent	Silent	7:30-10:00 8:30- 9:30	l
KOIL   KPO	Council Bluffs, Ia San Francisco, Cal	428.3	7:00- 3:00 8:30- 2:00	7:00-12:00 8:00-12:00	6:00-12:00 8:30- 1:00	6:00-12:00 8:30- 1:00	8:30 - 1:00	8:30- 1:00	7:00-12:00 8:30- 2:00	١
KPRC KPSN	Pasadena, Calif	315.6	7:30-11:00 10:00-12:00 7:00-10:00	7:30-12:00 10:45-11:45	6:30-10:30 Silent	7:30-10:00	Stlent	10:00-11:00	Silent Silent	ı
KSD	St. Louis, Mo Salt Lake City. U	209.8	9:00-12:00		8:00-11:00 8:00-12:00 7:00- 8:00	6:00- 9:30 7:00- 9:00	B:30-12:00	8:30-12:00	7:00- 9:00 8:30-11:00	١
KTAB	Oakland, Calif	240	Silent	9:45-11:15	10:00-12:00	8:00-11:30 10:00-12:00	10:00-12:00	10:00-12:00	7:00-8:30 10:00-12:00	١
KTBI KTCL	Los Angeles, Cal., Seattle, Wash	305.9	Silent	9:15-11:30 8:10-11:10	9:00-10:00	10:00-11:00 10:00-11:00	Stlent	10:00-11:00 Silent	Silent 9:00-2:00 9:00-11:00	١
KTHS KTW	Hot Springs, Ark. Scattle, Wash	455	9:00-11:15 Silent	9:00-11:30 9:00-11:30	9:00-12:15 Stlent	Silent	Silent	Silent	Stlent	1
KUOA	Fayetteville, Ark. Shreveport, La	299.B 329.5	9:00-12:00	7:00-11:00	7:30-9:00 10:00-11:30	9:00-12:00	Silent	8:00- 9:30 8:00- 9:30	Silent	l
KWWG	Pullman, Wash Brownsville, Tex.	278	913ont 0:00- 7:00	Silent	9:30-11:00 8:30- 9:30	6:00- 7:0	9:30-11:00 0:00-7:00 0:00-9:00	Silent 0 0:00- 7:00 0 5:00-11:00	9:30-11:00 6:00- 7:00 5:00- 9:00	
NAA	Radio, Va	434.5	5:00-11:00 Stlent	Silent	Silent 6:45- 7:00		Silent	Silent	Silent	L
PWX WADC	Havana, Cuba	400	7:30-10:00 5:30-6:30	5:30- 6:30	7:30-10:00 5:30-1:00	5:30-10:0	5:30-6:3	5 Silent 0 5:30- 9:00	Silent 5:30-10:00	4
WAHG	Akron, Ohio Richmond, N. Y. Golumbus, Ohio	315.6 293.9	10:00-12:00 8:15-10:00	2:00- 3:00	5:30-12:00 5:00-10:30	5:00-11:0		0 5:00- 6:00	6:00-9:00 5:00-11:00	
WAMD	Minneapolis, Min Baltimere, Md	244	6:15-10:30 Silent	5:30- 7:30	7:00-12:00 5:30- 9:00	5:30- 9:0	7:00-12:0 Silent	5:00- 9:00	6:15-12:00 5:30-10:00	1
WBAP WBAR	Fort Worth, Tex Sisiht, Wis	406	7:30-11:00 Silent	10:00-11:00	9:00-10:00	Stlent	8:00 - 0:0	7:30-11:00 0 7:30- 8:30 0 7:00-11:00	7:30-11:00 Silent	ì
WBBR	Statenisland, N.Y	272.6	7:00- 1:00 6:00- 8:00	7:00- 8:15	6:00- 7:00	Silent	Silent	6:00- 7:00	7:00- 0:00 Silent	1
WBCN	Chicago, Ill	. 265	8:00-12:00 4:00- 9:45	Silent	4:00- 9:00	8:00-12:0 4:00- 9:0 5:15- 9:0	0 7:00-11:0 0 4:00- 9:0	0 4:00- 5:00	8:00-12:00 4:00- 9:00 5:06- 0:00	1
WBZ	New York, N. Y Springfield, Mass Pittsburgh, Pa	- 333.1 461.3	5:15- 8:00 4:30- 7:30	3:00- 8:15	i ii :00 - 10 :05	6:00-10:0	5 6:00 - 9:0	0 6:00-10:00	6:00-10:00	d
WCAP WCAU	Philadelphia, Pa	. 466.5	Silent Silent	3:00- 0:15 3:00- 0:00	5:30- 9:00	4:30 9:3	6:00-10:0 0 5:30-10:0	0 4:30-10:30	5:00-11:30 4:45- 9:30	1
WCG0	Minn. St.P., Minn		Silent 6:15-11:00		6. 6:15-10:00	7:00-0:3 6:00-10:3	0 6:00-12:3		Silent 6:15-11:05	1
WCDA			1:00-12:00 5:00-6:00	6:15- 7:15	6:30- 7:30	5:00-1:0	6:00-7:3 0 5:00-8:0	6 5:00 - 8:00	6:30- 7:30 5:00- 0:00	١,
WDAF	Winter Park, Fla	240	6:00- 1:00 8:00- 9:30	4:00- 5:00	8:00- 9:30	8:30-10:0	0 8:00- 9:3	0 8:00- 9:30	8:00-9:80	ŀ
WEAF		440.9	Silent 4:00~10:00	Silent 0 1:00- 8:15		5:45- 6:0 4:00~10:0	0 4:00-10:0	0 4:09-10:00	4:00-10:00	ľ
WEAD	Providence, R.I.	270.1	4:30- 8:30 Stient	5:30- 6:43 Silent	Silent	6:00- 8:0	0 7:00 - 8:0	00: 7:00-10:00	Silent	ľ
WEAR	Unicago, Illianon		6:00-1:0	0 4:00- 8:0	Silent	6:00-11:3	0 6:00-11:3	80 6:00-11:30	6:00-11:30	l
WEBJ	New York, N.Y Baston, Mass	272.6 348.8	10000000	Silent 4:00- 8:1			4:12- 9:	00: 6 -00: 8		
WENE	Berrien Spgs., MI	285.5 265.3	5:00- 1:0	7:15- 9:1 0 1:00-11:0	01. Silent	5:00- 9:0	7:15- 8:	10 5:00- 9:00	8:00-10:05 5:00-1:00	1
WFAA	New York, N.Y.	272.6	6:30-12:0 9:30-12:0	0 3:00- 6:0	0 9:30-12:0	0 9:30-12:0	00 9:30-12:	6:30-9:30 0:30-12:00	9:30-12:00	ŀ
WFI Wabf	Philadelphia, Pa Evansville, Ind	236.1	Silent	Silent	Silent	7:15-10:	30 5:00-6:	00 4:30- 9:00 Silent	7:00- 8:00	l
WGBS	New York, N.Y.	315.6	4:30- 9:3 5:30-12:0	0 8:30-11:0	0 5:30-12:0	0 5:30-12:	00 5:30-12:	00 5:30-12:00	Silent 5:30-12:00	١
WGES	New York, N.Y	252	6:30-10:0 4:00-12:0	0 4:00-1:0	0 4:00- 6:0	0 4:00-12:	5:00 - 7: 00 4:00 12:	00 4:00-12:00	4:00-12:00	1
WGHE	Classwater Fig.		5:30-12:0 Silent	0 Silent	5:00-12:0 5:00-12:0	0 5:00-12:	00 5:30-12: 30 5:00-12:	00 5:80-12:00 00 5:00-12:00	5:30-12:00 5:00-12:00	1
WGN	Detroit, Mish Chicago, III Buffalo, N. Y Schenectady, N.Y	302.8	5:55-10:0 Silent	0 5:45-10:0 4:00- 8:1	0 Silent 5 4:30-10:0	5:55-10: 0 4:30- 7:	00 5;55-10: 00 4:30-10:	00 5:55-10:00 00 4:30- 8:00	5:55-10:00 4:30-10:00	۱
WGY	Madison Wis	535.4	4:30- 9:3 Silent	0 2:00-10:0 Silent	8:00-9:0	0 5:45- 9:	8:00- 8:	05 5:45-10:30 00 Silent	8:00-9:00	1
WHAI	R AtlanticCity, N.	1. 275.	Silent	3:15 - 4:1 0 5:50 - 3:0	5 8:15-10:0 0 5:30-10:0	0 0:15- 7:	00 6:15-12: 00 Silent	30 6:15-7:00 5:30-10:00	6:15-10:00 5:30- 7:00	
WHA	Z Troy, N.Y	399.8	7:30- 9:0	81lent	8:00-11:0	7:30- 9: Sileut	30 7:30- 0: Stlent	00 7:30 9:00 Stlent	7:30- 9:00 Silent	1
WHB.	Kansas City, Mi New York, N.Y. Des Moices, la	365.1 361.2	Bilent	8:00-1:0 1:00-10:3	0 4:30-10:3	00 7:00-10: 00 4:00-11:	00 7:00- 8:	00 7:00-10:0	0 7:00- 8:00 0 4:00-11:00	ч
WHO	Chicago, 1/1	526 399.4	Silent 6:00-12:0	5:00-12:0	0 7:30-13:0	00 7:30-12: 6:00-12:	00 6:00-12: 00 6:00-12:	00 7:30-12:0 00 6:00-12:0	0 7:30-12:00 0 6:00-12:00	1
WIBO	Philadelphia, P.	226 a 508.	5:00- 7:0	00 5:00-1L:0 05, 2:00-8:3	0 Silent	5:00- 1: 00 4:05-10:	00: 4:05- 6:	00 5:00-1:0	0 5:00- 1:00 0 4:05- 6:00	3
MIALW	Pittsburgh, Pa.,	305. 275.	9 Silent 3 6:90-11:0	5:20- 8:1 Silent	6:00-11:0	00 6:00-11:	00 5:30- 9:00- 1:	00 5:45- 9:0	0 6:00-10:0	)
WJAZ	Chicago, Ill	322.	4 Silent	Silent	7:00- 9:0 Silent	7:00-11: Silent	Silent	10:00-12:0	0 7:00- 9:0	2
WIR	Mosscheart, III.	370.	2 4:30-12:0	00 2:00- 3:0 30 Silent	6:00-11:	4:30-12:	00 4:30-12:	00 6:00-10:0	0 4:30-12:0 0 6:00-9:3	0
WIZ	Now York, N.Y.	454. 340.	3 5:00- 8:	25 12:30 - 9:0	5:00- 9:- Silent	30 6:00- 9: 45 5:30- 9: Silent	6:00-8	145 5:00-10:0	0 5:00-10:0	0
WKA	C   Cincinnati, Ohio	··· 422.	5 Silent	Silent	6:15- 8:6	00 6:00- 7:	00 6:00- 8	00 6:00- 7:0	5 Silent	0
WLIE	Philadelphia, P	302. a. 394.	8 6:00-11: 5 5:30- 6:	30 4:00- 5:1 30 4:30-6:6	15 Stlent 10 6:15- 8:-	6:00-11: 45 5:50- 6:	30 6:00-11 50 6:00- 9	:30 6:00-11:3 :00 5:30- 6:3	0 6:00-11:3 0 7:30-11:0	0
WLS	Chicago, Ill	344.	6 6:30-11:	00 5:00- 6:	55 Silent	5:40- 6:	55 5:40-12	:00 5:40- 6:5	5:40-10:0	
WLW	L New Yark, N.Y.	9 422. 288. 265.	3 Silent	5:00- 6:0	00 6:00- 8:	00 Silent	Silent	6:00- 8:0	0 Sitent	
WMA	Q Chicago, III	447.	5 5:00- 9:	On Silent	Silent 9:00-10:	5:00-8	:35 5:00 8 :35 5:00 8 :00 10:00-11	:55 5:00- 8:0	0 5:00- 8:5 0 7:00-10:0	
WMB	SF Miami Reach F	la 384.	6:00-10:	00 2:00-10:	00 Silent	6:00-10	00 6:00-10	:00 6:00-10:0	0 6:00-10:0 0 6:00-12:0	0
WMC	Memphis, Tenn.	1499.	7 7:t5- 9:	30 Silent	7:15- 9:	00 7:15-12	:00 Silent	7:15- 0:4	5: 7:15-12:0 0: 6:00 - 9:0	5
WNA	C Boston, Mass	280.	2 4:00- 9:	00; 1:15- 6:	15, 4:30- 8:	45, 4:00- 7	:00 4:00-8	:00 4:00-7:0	0; 4:00- 9:0	0

Н	Call	Location	Met.	Saturday	Sunday .	Monday	Tuesday	Wednesday	Thursday	Friday
И	WNYC	New York, N.Y	526	5:00- 8:30	7:00- 0:00-	5:35 - 3:30	5:10- 9:30	5:30- 8:30	5:30- 8:30	5:30- 8:80
Ш	WOAL	San Antonio, Tex.	394.5	Silent	7:30-10:30	Silent	8:30-10:30	8:30-9:30	Silent	8:30- 9:30
Ш	WOAN	Lawrenceb'n, Tenn	282.8	Silent	9:00-10:00	0:00- 1:30	9:00-10:00	9:00-10:00	9:00-10:00	9:00-10:00-
ч	WOAW	Omaha, Nebr	526	6:00-12:00	6:00-9:00	6:00-11:00	G:00- 1:00	Silent	6:00- 1:00	6:00-11:15
.	WOAX	Trenton, N. J	240	Silent	7:30- 9:30	Silent	Silent	Sileut	Silent	Silent
٠.	woc	Davenport, Iowa	483.6	9:00-10:00	6:30-11:30	Silent	6:00-10:00	6:00-10:30	6:00-12:00	7:30-11:00
.	WOI	Ames, Ia	270.1	Silent	Silent	Silent	Silent	Silent	7:05 - 8:30	Silent
н	WOK	Homewood, Ill	217.3	9:00-12:00	6:00-12:00	Sllent	9:00-12:30		9:00-12:30	9:00-12:30
٠l	W00	Philadelphia, Pa	508.2	5:30- 6:30	4:00- 5:00	5:30-10:00	5:30 - 6:30	5:30- 9:30	5:30 - 6:30	5:30 - 9:30
ı	WOOD	Grand Rods, Mich.	242	9:00-12:00	Silent	9:00-1:00	9:00-12:00	9:00-12:00	Silent	0:00-12:00
ч	WOQ	Kansas City, Mo	278	8:00-11:00	7:00- 7:45	Silent	8:00-9:00	Silent	7:00- 9:00	Silent
٠	WOR	Newark, N. J	405.2	4:15-10:00	Silent	4:15-10:00		4:15- 9:30	4:15- 6:20	
1	WORD	Batavia, Ill	275	6:00-9:25	1:30- 9:00	Silent	6:00-11:45		7:00- 9:00	
1	wos	JeffersonCity, Mo.	440.9	Silent	5:00-8:30	8:00-10:00	Silent	8:00-10:00	Silent	8:00-10:00
Л	WPG	Atlantic City, N.J.		4:45-10:00	1:15- 9:00	4:45-10:00				4:15-10:00
П	WQ1	Chicago, Ill	447.5	6:00- 2:00		Stlent		0:00- 1:00		
9	WRC	Washington, D.C.	488.5	6:00-11:00	Silent	Silent	6:00-10:30		6:00-11:30	
н	-WRE0	Lansing, Mich	285.5	5:00-11:00						
5	WRVA	Richmond, Va	256	Silent	Silent	7:00-10:00	10:00-12:00			
)	WRW-	Tarrytown, N.Y	273	6:00- 9:30	6:00- 0:30	7:00- 9:30	7:00-9:30	7:00 - 0:30	7:00- 9:36	
П	WSAI	Cincinnati, Ohio	325.9	6:00-11:00	8:45- 8:15	0:00-11:00	5:00- 9:00	5:45-10:15	6:00- 9:00	
'	WSB	Atlanta, Ga	428.3	8:00-12:00	7:30- 9:15			10:45-12:00		
1	WSBC	Chicago, Ill	209.7	5:30- 3:00	5:30-12:00			5:30-12:00	5:30-12:00	
	WSM	Nashville, Tenn	282.2		7:30- 9:00		10:00-12:00			6:30-11:00
	WSMB	New Orleans, La	319	9:30-11:30		9:30-11:30		9:30-11:80		
,	WSUI	lowa City, Iowa		Silent		7:30- 8:30		7:45- 8:45		Stlent
,	WSWS	Chicago, Ill		5:00-10:00				5:00-10:00		
•	WTAG	Worcester, Mass	268	Silent	2:00- 8:15			5:40 - 9:00		
)	WTAM	Cleveland, Ohio		5:00-11:00		5:00-19:00				
0	WTIC	Hartford, Cenn		5:30-11:00						5:30-11:00
)	MM1.	Detroit, Mich	352.7	Silent	1:00-8:15	5:00-9:00	5:00-7:00	5:00- 6:00	5:00-11:30	5:00- 9:00

#### STATIONS IN ORDER OF WAVE LENGTHS

| Meters Call |
|-------------|-------------|-------------|-------------|-------------|-------------|
| 209.7 WSBC  | 263 KENF    | 285.5 WEMC  | 336,9 WJAX  | 394.5 WLIT  | 468.5 WCAP  |
| 217.3 WOK   | 263 WBPI    | 285.5 WKAR  | 340.7 KFAB  | 394.5 WOAI  | 468.5 WRC   |
| 222 WCOA    | 265.6 WMAK  | 285.5 WREO  | 340.7 WKAQ  | 399.8 WHAS  | 475.9 WBAP  |
| 226 KFWI    | 266 WBCN    | 288.3 KFKX  | 340.7 WMCA  | 399.8 WHT   | 475,9 WTIC  |
| 226 WBBM    | 266 WGHB    | 288.3 WLWL  | 344.6 WCBD  | 100 PWX     |             |
| 226 WIBO    | 268 KFH     | 293.9 KTBI  | 314.6 WLS   | 405.2 KHJ   | 480 CYL     |
| 229 KMMS    | 268 WTAG    | 293,9 WAIU  | 348.6 KOB   | 405.2 WOR   | 483.6 WOC   |
| 232,4 KFON  | 270.1 WEAN  | 293.9 WEAO  | 348.6 KWSC  | 406 WBAR    |             |
| 236.1 WGBF  | 270.1 WGHP  | 296,9 KPRC  | 348.6 WEEL  | 410.7 CKAC  | 491.5 KGW   |
| 240 KFVE    | 270.1 WOL   | 299.8 KUOA  | 350. CZE    | 416.4 WCCO  | 491.5 WEAF  |
| 240 KTAB    | 272.3 KWKH  | 299.8 KSL   | 352.7 WWJ   | 421 KIAF    | 499.7 KFRU  |
| 240 WDBO    | 272.6 WBBR  | 299.8 WPG   | 356.9 CFCA  | 422,3 WLW   | 499.7 WMC   |
| 240 WOAX    | 272.6 WEBJ  | 302.8 WGN   | 356.9 CKCL  |             | 502.8 KFQB  |
| 242 KSO     | 272.6 WFBH  | 302.8 WLIB  | 356.9 CKNC  | 428.3 WSB   | 508.2 KLX   |
| 242 WOOD    | 273 WRW     | 305.9 KTCL  | 361.2 KGO   | 428.3 KPO   | 508.2 WIP   |
| 244 WAMD    | 275.1 WHAD  | 305.9 WJAR  | 361.2 WHN   | 434.5 CNRO  | 508.2 WOO   |
| 246 WBAL    | 275.1 WHAR  | 309.1 KDKA  | 365.6 WDAF  | 434.5 CFCN  |             |
| 250 KFXF    | 275.1 WORD  | 315.6 KFDM  | 365.6 WHB   | 434.5 NAA   |             |
| 250 WGES    | 275.1 WSWS  | 315.6 KPSN  | 370.2 WEBH  | 435 AT9     | 516.9 WJR   |
| 250 WMBB    | 275.3 WIAS  |             | 370.2 WJJD  | 440.9 KLDS  | 526 WHO     |
| 252 KFWB    | 278 KOIL    | 315.6 WGBS  | 374.8 KTHS  | 440.9 WDWF  | 526 WNYC    |
| 252 KMA     | 278 KWWG    | 319 WGR     | 379.5 WGY   | 440.9 WOS   | 526 WOAW    |
| 252 WGCP    | 278 WCAU    | 319 WSMB    | 379.5 WHAZ  | 447.5 WMAQ  |             |
| 256 WRVA    | 278 WGBU    | 322.4 W.IAZ | 384.4 CKY   | 447.5 WQJ   |             |
| 258 WADC    | 278 WOQ     | 329.5 KOA   | 384.4 KJR   |             |             |
| 260.7 KFWA  | 280.2 KMOX  | 225.9 WSAI  |             | 454.3 WJZ   |             |
| 260.7 KFJF  |             | 333.1 WBZ   |             | 455 KTW     |             |
| 260.7 KWKH  |             | 336.9 KNX   | 389.4 WTAM  | 461.3 WCAE  |             |
| 260.7 WMAZ  | 282.8 WSM   | 336.9 KFMX  | 394.5 WF1   | 467 KFI     |             |
|             |             |             |             |             |             |

#### "A STEP ON THE STAIRS" (Continued from preceding page)

"A STEP ON THE STAIRS"

(Continued from preceding page)

would have difficulties if I went to the
village constable at Pellean Bay and told
him my story. I thought I'd make sure.

"Before Peleg Turner started on his
long cruise I always had the run of this
house. Very few people knew about it
because as Unclo Peleg had explained, he
did not have many intimates. I used to
play around here with John Carton when
we both were little children. I kept coming over to see Uncle Peleg after John
went away to college.

"On the night of the nurder I ran over
in my car from Portemouth to ask Uncle
Peleg when Johnny was coming home.

"You did not know then that Peleg
Turner had brought his brother here and
lett on a long cruise?" asked Everett.

"I had heard that he was going on a
cruise. He told me so in Portsmouth when
he came up to say goodbye. But he had
said something about going back to the
house for a day or two. There was a
chance that he was still at home.

"Did you see Jeremiah Turner?"

"No str... I never saw Jeremiah Turner, . I walked into the house as I said
and I was Just about to call out when I
heard strange volces in the huntroom.

"Two men were talking. I gathered
that they had some sort of a job to do.

"John Carton will be home from schooltomorrow or next day,' one of them said.

'And if he sees Jeremiah Turner! it will be
too late then to make any substitution.'

T GOT down on my hands and knees
and crawled to the hall door. It was
and and and knees
and crawled to the hall door. It was
and evander hands and knees
and crawled to the hall door.

Too late then to make any substitution.'

I GOT down on my hands and knees and crawled to the hall door. It was dark in the hunt-room except for a little mocollight coming through that window over there. I saw some sort of a hundle on the floor.

"The second man spoke then. I thought his voice was famillar, but he spoke in whispers and I couldn't be sure.

"You're sure this Carton kid never aw his uncle Jerry,' he asked. And the first man said, 'Not a chance. Jeremiah was brought back here from India. He's been over there fifteen years.'

"Then,' the second man said. I guess you'd better solve your problem now.'

"What about you?' the first one asked and the second laughed. 'It's your funeral,' he said. 'This is your gang and you can run it to suit yourself. But you didn't hire me to solve any puzzles. Me, I'm getting out of here right now.

"Then there was a long silence. It puzzled me then. It kept puzzling me until tonight. I know now that the second man went out through the front door. I also know now that he was Millord Jones leave the was millord Jones leave we have we was hillord Jones leave we have a well of the was hillord Jones leave now that he was Millord Jones leave me the was Millord Jones leave he was

went out through the front door. I also know now that he was Milford Jones

THE guests were gone. John Carton and Mary Williams ant side by side on a divan of Spanish leather while Hari Singh stirred a new fire on the hearth. The pair sat quietly until the soft footed Hindu had departed.

"And so that ends it," said Mary wear-

(Continued on page 28)

## et's Bury the Demon

ITHIN the last few months, several experimenters have taken an unusual interest in the subject of antennas. Such experiments followed the publication by Radio Digest of articles upon underground autennas, by such men as Dr. J. Harris Rogers, George Guyer and Edward T. Jones. The immediate result of these articles was the development of an army of experimenters who installed the types suggested by these unen. If the scheme worked it was good, if it didn't; then it was a failure; but out of the uaze came the evidence that thousands were interested.

were interested.

Realizing the problem was one which should be approached with an added thoroughness and that success could only be attained through having a great many experimenters scattered throughout the United States

the following plan was devised:
Radio Digest will attempt to supply through its columns at regular intervals all of the information now available upon underground receptors together with other types worthy of trying. In addition, it will suggest constructional ideas for experimentation, together with expertise from experimentation together with excerpts from experimenters' reports as received.

#### Success Depends on Reports

It is obvious that the success to be obtained is entirely dependent upon the number of readers who will assist in making the experiments. This therefore, is an invitation to all who will help, to forward their names and addresses to the Technical Editor. We desire to secure co-workers from every state in the Union, as the study will cover soil, climatic and all conditions which may have a bearing upon the subject.

While these experiments will, in a large measure cover the subject of underground antennas, the primary-object will be to limit, so far as possible, the influence of static. Therefore, suggested experiments covering antennas with other locations than underground will be studied. It is obvious that the success to be obtained is entirely

An intensive effort has been made to collect data upon many types of underground aerials. There are a great many experimenters who have done research along this line and correspondence covering the application of their ideas, together with the results obtained, is likewise solicited in order that it may be passed on to others.

#### Localities Differ

Localities Differ

In order to acquaint those who were unfortunate in not having followed the able articles of the gentlemen mentioned above, a resume of their work will be offered, together with the results obtained in their localities. It must be borne in mind that the results in each instance apply only to the locality of the installation and are likely to vary in other locations according to the moisture content of the earth.

Mr. Guyer's most satisfactory reception was had from an installation following that pictured in figure 1. This consisted of two lengths of No. 14, 7-strand insulated copper-wire, each 50 feet long and coiled about 4 feet apart and approximately 4 feet underground. Laying the wire in solenoid or circular form and spacing each turn one above the other with half incheparations, the finished inductance, in Mr. Guyer's locality, left little to be desired. The spacing of the turns was accomplished by filling in with soil as each layer was placed. After completion, the ground was thoroughly soaked in order that a good moisture content might be secured.

We repeat Mr. Guyer's original description of the results he secured from this novel installation, in the belief that many will desire to use it for their first experiment:

#### Joy to Operate

"Many tests have given me the expected volume and the elimination of the water pipe disturbance and also proved that this last coil works equally well interchangeably with the first on either the antenna, or ground post of the set. I now have a real underground antenna system which is a joy to operate. If you desire similar results be careful to follow instructions in installing your underground system.

"General results are satisfactory beyond my expectations. The volume is splendid. I obtained clear, distinct, resonant and fluidic reception, entirely free from the gaseous, atmospheric conditions led into the set through the usual aerial antenna or loop, but not entirely free, at particular times which you will discover, from those other hindrances and disturbing factors heretofore pointed out.

heretofore pointed out.

#### A Remarkable Reception Record

"All my tryouts in the experiments have been made with my super-heterodyne. It occurred to me that my fine reception might be due, at least in part, to the radio frequency feature of the set, and that a set without such feature might not give such satisfactory results. I borrowed a three tube set—detector and two stages of audio frequency amplification which I had built for another party, with which to give this antenna

MANY Fans, We Venture to Say, Do Not Know that It Is Perfectly Feasible and Practical to Bury an Antenna, According to the Rules Given Here, and Be Happy All Summer Long

By MILO GURNEY

equipment a tryout. The set used 201A tubes throughout with 90 volts on the plate. I first tested out static conditions through the aerial antenna. Static was overwhelming, rendering reception intolerable. I hooked the set to the underground antenna and turned the tuning dial.

#### Volume and Clarity

"To my utter astonishment and joyful surprise fluidic music coming from the studio of WSAI at Cincinnati,

Jahr Barrell

Figure I. One of the most simple and effective methods of installing an underground antenna is described by Mr. George Geyer and pictured above. One need not dig up the whole yard for this first experiment.

#### How About You?

H AVE you had experience with an underground aerial? If it was successful what did you learn about it? We wish to gather together all the information possible concerning experiments on the underground aerial for broadcast reception.

the underground actial for of observed reception.

We know that the underground antenna system is a great static reducer. However, there are lundreds of variations one may make in the installation of such an antenna. Some of these have proven themselves superior to others—for given localities, climates and types of earl!

soil.

If you have experimented with this type of reception, drop Mr. Gurney a note telling all about it.

There are other methods of improving summer Radio. If you, by study or good fortune, have learned of some system or trick to deliver the music better in the warm months, consider yourself also invited to correspond with Mr. Gurney.

—THE EDITOR.

filled the loud speaker, which was plugged into the last stage, with cough volume to be heard in the third room from the one in which the set was operating. Without moving a dial I plugged the loud speaker into the first stage of amplification. Volume was still great enough to fill the second room from the set. I now plugged the loud speaker into the detector jack. The music came quite planissimo, but clear and sparking as a winter solstice night, and could be plainly heard throughout the room in which the set was operating. As I was experimenting I now took off the lond speaker and plugged in the head plones just to see how many distant stations I could tune in, with the detector alone.

"At this sitting I tuned in WLS. WLW. WCBD, WMAQ, KDKA, WREO, WWJ, WCCO, KFI, KHJ, KNX, WGN and KYW. This convinced me that the underground antenna system herein described will work well with any receiving set—provided it is a real receiving set. The distance from the point of operation to the various stations above named will range from 900 to 1,000 miles."

Editor's Note.—Mr. Gurney's second article of this interesting series will reveal an additional experiment

Editor's Note.—Mr. Gurney's second article of this interesting series will reveal an additional experiment in conjunction with Mr. Guyer's underground aerial.

#### "HIGH-BROW" AND PROUD OF IT

(Continued from page 7)

(Continued from page 7)

Naturally early experimenters with voice transmission were quick to see the possibilities of the improved pickup device that the new carbon presented and in 1910, under the direction of Mr. Turner, the operas "Cavalleria Rusticana" and "Pagliacci" were broadcast from the stage of the Metropolitan Opera Honse. Possibly an audience of 200 experimenters and scientists picked up this broadcast, which clearly demonstrated the improved efficiency of the new microphone over all preceding devices. Today, should the same broadcast privilege be granted a total of 20,000,000 people could hear these lamous operas. And while the Metropolitan Opera today refuses to allow its operas to go out on the air, it set a precedent way back in 1910.

Builds Hollywood Station

#### Builds Hollywood Station

Builds Hollywood Station

For the next fifteen years following the broadcasting of these operas, K. M. Turner did not again experiment with Radio transmission, being too deeply engrossed in the manufacture and sale of the acousticon and dictograph. In the spring of 1925, however, then living in Hollywood, California, he decided that Radio had finally emerged from the chrysalis stage and that the time had come when someone should step in and show the way for the Radio station of the future. Several wealthy Los Angeles men were interested in this station that would be different and proceeding slowly, a homemade 50-watt station was put on the air to test the theories of its founders.

homemade 50-watt station was put on the air to test the theories of its founders.

It developed immediately there was a large audience-ready and anxious to listen to the kind of entertainment KMTR was furnishing, so a 500-watt Western Electric transmitter was installed in the little building on North Wilton Place, Hollywood, and KMTR set out to find its place in the air. After the station was on the air eight months and running smoothly, K. M. Turner stepped out. Nearing 70 years of age, he felt younger men should control this young industry, Radio.

Salacte Philharmonic Stars

#### Selects Philharmonic Stars

Selects Philharmonic Stars

Briefly, that is the story of KMTR. Those living within reach can tune to 238 meters any evening except Sunday, between the hours of 8 and 10 p. m. Pacific time, with a certainty of hearing first-class concert ornusic played by the KMTR concert orchestra, an organization of first chair men of the Los Angeles Philharmonic orchestra led by Loren Powell, first violin of that famous orchestra. The KMTR concert orchestra plays concert music only, and to enable listeners to know exactly what selections will be played on any one night, detailed programs for one month in advance are mailed to a large audience. The station is non-commercial, that is, does not put on programs for toll and the expense is borne by several well-known Los Angeles business men who do not wish their names mentioned.

the expense is bottle by several well-allow. Angeles business men who do not wish their names mentioned.

Carlton King, or "Dad" King as he is known, is the announcer and studio manager of the station. He fits the part. An actor of considerable experience he was in charge of the Navy club in New York, during the World War and later directed and produced motion pictures for his own company. His popularity with the Radio audience is shown by the success of his Morning Family Circle which goes on the air daily at 9 a. m.

Possibly the biggest feature of KMTR, and undoubtedly the biggest feature of KMTR, and undoubtedly the biggest with the children, is the home hour broadcast from 5 to 6 p. m. daily except Saturday and Sunday. The home hour is presided over by Georgia Simmons, or Mammy Simmons as she is known to everyone. A real Southerner from the South, an experienced story teller to the children, her hour at KMTR was a big success from (Continued on page 28)

## Radio Digest

U. S. Pat. Off. & Dom. of Cana

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

E. C. RAYNER, Publisher

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

Member of the Audit Bureau of Circulations o 241

PUBLISHED SUMI-MONTHLY

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

Vol. XVII

May 1, 1926

No. 4

#### Nice Weather We're Having

WE HAVE been doing an unusual amount of listing of late, chiefly, we believe, because the Radio weather has been so consistently good. So opens many a conversation in which the participants become embroiled in a competition of telling the biggest ones. However, we shall not start such a Radio story contest.

opens many a conversation in which the participants become embroiled in a competition of telling the biggest ones. However, we shall not start such a Radio story contest.

Of course, a spell of good reception is due us, for January, February, and even March, certainly fell very far short of expectations. Perhaps the order has been so far reversed that we may have good listening even through June. Sun spots, the weather, atmospherics and Radio range are peculiar things.

Wonder how you listen in. When we decide to stay home and enjoy a Radio evening, we follow a set procedure. Early in the evening we tune in KDKA first, then WOC. If these two come through loud and clear, with a low static-to-signal ratio, then we are assured we can cruise the country and hear what we desire. Time enough then it is to study the programs. We find the columns of this publication unusually helpful here. We read the "headliners today" and check those in which we are interested. If not particularly interested in the headliners, we go further and read through the detailed programs to find where and when our best-liked entertainers are broadcasting, or where our favorite type of music, talk or other entertainment is to be found. Then we plan our evening by the clock.

Our receiver has been carefully logged. If, when we set the dials, the station does not come through with volume and good quality, we can only blame nature for some trick to shut the station out. We don't blame the receiver once WOC and KDKA have come through clearly.

We wonder how it was possible for us to get along without a set not so many years ago. We feel a personal interest in artists we have never seen, in cities we have never visited, in topics discussed over the air which would not interest us in print.

Here we are—talking about something forcign to the good Radio weather we began to talk about. But most conversations start with the weather, and we hope the present brand of it continues.

#### Plant Your Garden Antenna Early

Plant Your Garden Antenna Early

ABOUT this time of the year the wife hands you a
spade and tells you to go out and dig up the
ground for a garden, pardon us, THE garden—wherein many beautiful examples of the gardener's art are
supposed to grow and attempt to live up to the
pictures of themselves on the seed packets.

Some of us get a kick out of digging in the garden.
Others of us, however, are more inclined to tiuker
with the Radio set, booh at a baseball game, crawl
under and overhaul the flivery, or yell, "Fore," as we
swing away at a small white sphere resting on a cone
of sand. To the second class mentioned, which includes many in the other classes named, we submit this
excellent suggestion to be used for what it is worth,
providing of course, your wife insists that you dig that
garden.

Eitet and the artisle in this issue on the subset of

providing of course, your wife insists that you dig that garden.

First read the article in this issue on the subject of underground antennas. Take it from us that they are good. They reduce summer static outbursts to their proper place in the order of things. Radio Digest first discovered that Dr. J. Harris Rogers had produced working underground antenna which would reduce the static ratio and increase the chances of you hearing programs without your ear drums being burst. And Radio Digest is again recommending it to you.

Next take the spade your wife gives you and dig the garden and the hole for the underground antenna. Of course, the third and most logical step is to plant the garden and the antenna. However, we would mark this point of difference:

The garden may not come up to your expectations, but the underground antenna will make up for this deficit by supplying you with good Radio programs all summer long.

#### RADIO INDI-GEST

#### Your Presence

Last night my heart was sore oppressed with gloom And in the quiet of the room I sat in loneliness and wept. I sat in loneliness and wept.

And as the stealthy silence 'round me crept,
I turned to the Radio to bring me cheer
And to hear the voice I love so dear.

My aching heart was breaking with despair
When lo, I sensed your presence in the air.
I listened for the words you often say,
But you came not to talk, nor long to stay;
I wept no more, and reaching for your hand
Again I felt your magic—the power to understand.
You softly pressed your cheek against my face,
Then quickly left me, drifting into space.
But waking suddenly, my heart was stirred
By a dream more eloquent than any work.

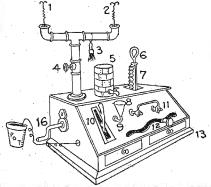
"THAT RED HEAD GAL"

#### Choose Your Weapons, Gentlemen

Dear Indi: Why this eternal controversy? Can't you settle it? Suggest you get the Third Trombone Player and Dielectric in Webster Arena. Pabst Park, and let them have at it with seven syllable words and pewter steins. And let the best man brag about it.

PETE PETITE

Cilly Circuits



pre 2; 16, gears for JOHN J.

#### Silent Night

'Tis Silent Night with me tonight, I sit and read and smoke
And listen to the family talk
And hear them laugh and joke.
I do not turn and twist the dials (do not turn and twist the dials
And DX try to get—
(do not cuss my neighbor
With his blooping super-het.
(do not fuss and fume and roar—
Just let the bloopers blop.
For silent is the night for me—
My battery's in the shop!
OLD KIN

#### Tuned Himself Out

Funed Himself Out

Dear Indi: With the ald of Sir Oliver Lodge and Sir Conan Doyle, I have just pulled off an interview with the spirit of the first Englishman ever to commit suicide with the aid of his Radio.

He never tuned in to jazz, only to music. When the latter came along it happened to be Mendelssohn's Funeral March. Struck by the majestic beauty of the piece and feeling that it was being played in valid the heroically gave his life as a sound reason for the broadcast.

#### Radio Rhymes There, little crystal set,

Don't you cry— You'll be a het'rodyne Bye-an-bye! SANTA FE BALDY

OLD KING TUTT

#### Might Freeze You Out

Fairice alaska.

Edator Indi: I got a lettr from the Pairice alaska.

Edator Indi: I got a lettr from the Paint dopt. of
U. S today and he said they was getting the final papers
out on my ice mashine. I have been offrd some Florida
property for it but I aint as dumm as I look. One man
has offrd, me ½ interest in Ellis Island, just off New
York harbour. I am going to think it over. He sais
he gets lots of money out of it, renting rooms to forenurs. I think it would be a good trade, don't you?

Always as ever

Always as ever KITTLE DRUMMER

#### FRANQUE FILOSOFEE

He Who Lies Last, Lies Best.

INDI



#### Condensed BY DIELECTRIC

Sport fans are at last furnished from headquarters which call forth the enthusiasm of excited crowds at the ringside. We may not "see" all the big fights as they are staged in the arena at Madison Square Garden, New York, but surely enough "good" fights will he pulled to make us grateful for the broadcasting by Tex Rickard from Station WMSG. The initial program featured some speakers of national fame and music equal to most that is heard nowadays. Announcement was made that this new station will aim to foster and develop interest in sporting events of all sorts. Ringling circus miked pretty well.

Station WNAC, Boston, presented a concert orchestra program the other evening which was a delight to anyone interested in this class of nusic. Selections were chosen that gave free play for individual voices in the orchestra to be heard in a kind of obbligato effect. After listening a long time to numbers allowing no such variation, it is refreshing to hear a flute, oboe, clarinet, French horn or tuba carry the theme above the accompanying instruments. It isn't necessary to choose "heavy" numbers for such presentation.

Another community concert proved satisfactory when Station WCCO, Minncapolis-St. Paul, staged one recently. It compared very favorably with those better known to the Radio public because of more frequent presentation and included instrumental selections well rendered. Somehow there is a feeling of informal fellowship when tuned to a community affair. It proved a good innovation.

Now the lovers of Hawaiian melodies must have their fill since Station WBAP, Fort Worth, had the good luck to present the Panther Hawaiian trio to their Radio audience. That doesn't mean that they wouldn't want to come back for more of the same entertainment, for they undoubtedly would, but merely to say how enjoyable it was.

An acceptable studio recital program was presented from Station WJR, Detroit, at least, it may have been liked by most listeners throughout. At any rate, one of the features had a lot to commend itself, and that was the quartet which sang with the sole intent to make friends of those tuned in. If there is lacking an unrestrained volley of encomiums, lay the fault at the door of an interfering station because of which the reception was nearly ruined.

Speaking of operations, the Evanston hospital will find itself flooded with applicants for admission following that concert by their nurses glee club a short time ago. Paradoxical as it may be, the really fine work of this glee club made many invite sickness just to be where those voices could be tuned in by pushing a buzzer. How else may the character of their ensemble singing be eulogized so emphatically. Our thanks to Station WEBH, Chicago.

Station WHT, Chicago, puts on a popular music feature which may appeal to many listeners. The best way to describe it to you is to suggest looking up their schedule and trying it out for yourself. I hope you'll like it, as the leader of one of our popular orchestras playing Bach fugues exclusively expresses his desire for approval.

#### SABBATH SHOULD BE MOTHER'S REST DAY

SIMPLE DINNERS ALLOW MORE LEISURE TIME

Careful Planning and Some Preparation Beforehand Will Make Sunday More Enjoyable for Housewife

E IN America take great pleasure in promoting movements. We orin promoting movements. We organize campaigns to improve child health and to conserve our natural resources. We have safety week, clean-up-week, and swat-the-fly week; we seem

up-week, and swat-the-fly week; we seem to be organized to do almost everything, but there is one movement I should like to organize and that is a campaign to make Sunday a day of rest for Mother.

We have traveled a long way from the strict observance of the Subbath, which necessitated the preparation of all the food the day before. In most homes, Sunday is now more or less of a feast day. There are a number of reasons why we like to have the Sunday dinner unusually nice. It may be the only opportunity for all-of Cousin John's family to have dinner with all of our family, and even though

all of Cousin John's family to have dinner with all of our family, and even though we do not have company, it is an enjoyable menl because we have time to eat and enjoy the food and each other.

By careful planning and some preparation beforehand, it is entirely possible to have a nice dinner even for guests and yet to prepare it with a minimum of time and effort. It may necessitate fewer courses and simpler food in place of the elaborate dishes requiring much preparaand enjoy the food and each other.

By careful planning and some preparation beforehand, it is entirely possible to have a nice dinner even for guests and yet to prepare it with a minimum of time and effort. It may necessitate fewer courses and simpler food in place of the claborate dishes requiring much preparation, but if the dinner is daintly served, the table arranged attractively, and Mother herself rested and happy, the dinner will be as festive as any one could wish.

Whatever your cooking equipment, meat that is broiled or cooked in the fray-beans may be heated with butter in the

ing pan requires less time for cooking, but demands more attention at a time when you are preparing many other things. You must decide which is easier for you—a roast or a baked meat requiring long cooking or a steak or chops requiring shorter cooking but more attention.

#### Prepare Vegetables Day Before

puring shorter cooking but more attention.

Prepare Vegetables Day Before
It is an advantage to have the meat
and vogetables combined in a casserole.
If the vegetables are prepared the day
before it takes only a short time to prepare the casserole right after breakfast.
It will require no further attention until
dinner time. I have a very good recipe
for braised beef which requires about
four hours baking. The vegetables may
be cooked with the beef so that the main
part of your dinner is ready when the
meat is done. This is the way we prepare brazed beef in the Gold Medal Flour
kitchen:

Three pounds beef from the rump or
lower round, Gold Medal flour, salt and
pepper, 2 thin silces of salt pork, ¼ cup
diced celery, 3 cups boiling water.
Method: Wipe the meat with a damp
cloth. Dredge with flour. Sprinkle with
salt and pepper. Fry out the pork and
sear the entire surface of the meat in the
hot pork fat. Place meat on a rack in a
roaster or baking dish. Surround with
diced vegetables. Add boiling water.
Cover tightly and bake in a slow oven.
300°F, about 4 hours. When done, remove meat to a hot platter. Strain out
the vegetables and make a thickened
gravy of the remaining liquid. The
amount of vegetables here given is sufficient only to add flavor to the meat. If
you wish to have enough vegetables to
serve with the meat, add a larger quantity of any kind you prefer and if necessary use more water to thoroughly cook
the eyestables.

Baked Kam Good Oven Dinner
Another good suggestion for an oven

Baked Ham Good Oven Dinner

Whatever your cooking equipment, the roast and browned potatoes, string meat that is broiled or cooked in the fry-

#### ANOTHER WOMAN IS PROGRAM DIRECTOR



SAINT PETERS-BURG, Fla. — Radio has opened new occupations to women, and Station WIBC here is demonstrating that they can be successful in these new positions, for Mmc. Jossie S. Pamplin is program director of the "Sunshine City" broadcaster. When WIBC went on the air, they looked about and found in their own eity this remarkable woman. She was conducting a vocal studio, but volunteered to take on the new work. ed new occupations

volunteered to take on the new work. As artist, teacher and cach, Madam Pamplin is one of Flurida's leading musicians. Her accomplishments as a linquist are also notable. She speaks five languages and sings six others.

oven during the last few minutes of your dinner preparation or you may serve car-rots which have been cooked the day be-fore and require only a few minutes for reheating.

Meat loaf is always good. It may be prepared the day before or put on to bake early, or it may be baked on Saturday and reheated for Sunday dinner. With meat loaf, baked potatoes are convenient or the property of the state of the saturday and reheated the saturday and the satur and perhaps another baked vegetable such as baked squash or corn. Or you might serve buttered or sour beets with this dinner. The beets may be reheated in the dinner. The beets may be reheated in the double boiler the last few minutes before serving.

serving.

A leg of lamb with mint sauce is another good suggestion. With this serve creamed potatoes or peas or a green salad.

browned and partly cooked, pour over a can of tomato soup and let simmer slowly until done. Since the tomato soup does not require thickening and is already seasoned, it saves the time necessary to make a sauce or gravy. With the meat balls you could serve rice or macaroni and perhaps a hot slaw or a simple cabage salad.

For dessert, fresh fruit with cake or For dessert, fresh fruit with cake or cookies attractively served is quite as acceptable as any elaborate dessert. Plain sliced oranges or grapefruit or any fresh or canned fruit may be used, dressed up with a bit of red jelly or a cherry. Whipping cream for dessert means another last minute task. Many fruits and puddings are equally delicious served with thin unwhipped cream or a custard sauce.

#### Radio Club Notes

A superpower line, carrying 50,000 volts through northern New York, was found to be the source of interference experienced by Radio listeners in that section. In addi-tion to the power line trouble, federal Radio inspectors found that poor rall bond-ing, also shade trees touching and grounding, also shade trees touching and ground-ing the primary of the distribution system of the electric light lines was responsible for added interference. Following an ex-haustive test by representatives of the local Radio club and officials of the com-panies interested, suggestions for the elimination of the trouble were adopted.

Here is good news for those living "out where the tall corn grows". The engineer-ing department of the lowa State Agrieultural college, Ames, Iowa, have out-lined a plan to pass judgement upon all types of Radio receivers sent them. The service will be furnished at cost.

#### Phone Wires Link KHQ to KJR

SEATTLE, Wash.—For the first time in the northwest several broadcasting sta-tions, KJR at Seattle and KHQ at Spokane, tions, KJR at Seattle and KHQ at Spokans, were thed in simultaneous line for an experiment operation of the most convenient quick meats Buy round steek and have it ground, or it you like, buy the regular hamburg which is already ground. Shape the balls and sear them in hot fat. After they are well

#### Saturday

ie Eastern 1 a.m. 9:30 1 (352,7\*\* Central Mountain Pacific 8:30 7:30 6:30 guide.

KMA (252ur-1190ke), Domestic science topics.
2.20 1.20 12:20 11:20 10:20

WGBF (230.1m-1270ke), Garden talk.
5 X 2

KMOX (280.2m-1190ke), Honsewives' hour.

| Miss Kill) | Miss Repair | Miss

| W-WN (275.8m-1000ke), Style slop. | 3-30 | 1230 | 1230 | 1230 | 1230 | 1230 | 1230 | 1230 | 1230 | 1230 | 1230 | 1230 | 1230 | 1230 | 1230 | 1230 | 1230 | 1230 | 1230 | 1230 | 1230 | 1230 | 1230 | 1230 | 1230 | 1230 | 1230 | 1230 | 1230 | 1230 | 1230 | 1230 | 1230 | 1230 | 1230 | 1230 | 1230 | 1230 | 1230 | 1230 | 1230 | 1230 | 1230 | 1230 | 1230 | 1230 | 1230 | 1230 | 1230 | 1230 | 1230 | 1230 | 1230 | 1230 | 1230 | 1230 | 1230 | 1230 | 1230 | 1230 | 1230 | 1230 | 1230 | 1230 | 1230 | 1230 | 1230 | 1230 | 1230 | 1230 | 1230 | 1230 | 1230 | 1230 | 1230 | 1230 | 1230 | 1230 | 1230 | 1230 | 1230 | 1230 | 1230 | 1230 | 1230 | 1230 | 1230 | 1230 | 1230 | 1230 | 1230 | 1230 | 1230 | 1230 | 1230 | 1230 | 1230 | 1230 | 1230 | 1230 | 1230 | 1230 | 1230 | 1230 | 1230 | 1230 | 1230 | 1230 | 1230 | 1230 | 1230 | 1230 | 1230 | 1230 | 1230 | 1230 | 1230 | 1230 | 1230 | 1230 | 1230 | 1230 | 1230 | 1230 | 1230 | 1230 | 1230 | 1230 | 1230 | 1230 | 1230 | 1230 | 1230 | 1230 | 1230 | 1230 | 1230 | 1230 | 1230 | 1230 | 1230 | 1230 | 1230 | 1230 | 1230 | 1230 | 1230 | 1230 | 1230 | 1230 | 1230 | 1230 | 1230 | 1230 | 1230 | 1230 | 1230 | 1230 | 1230 | 1230 | 1230 | 1230 | 1230 | 1230 | 1230 | 1230 | 1230 | 1230 | 1230 | 1230 | 1230 | 1230 | 1230 | 1230 | 1230 | 1230 | 1230 | 1230 | 1230 | 1230 | 1230 | 1230 | 1230 | 1230 | 1230 | 1230 | 1230 | 1230 | 1230 | 1230 | 1230 | 1230 | 1230 | 1230 | 1230 | 1230 | 1230 | 1230 | 1230 | 1230 | 1230 | 1230 | 1230 | 1230 | 1230 | 1230 | 1230 | 1230 | 1230 | 1230 | 1230 | 1230 | 1230 | 1230 | 1230 | 1230 | 1230 | 1230 | 1230 | 1230 | 1230 | 1230 | 1230 | 1230 | 1230 | 1230 | 1230 | 1230 | 1230 | 1230 | 1230 | 1230 | 1230 | 1230 | 1230 | 1230 | 1230 | 1230 | 1230 | 1230 | 1230 | 1230 | 1230 | 1230 | 1230 | 1230 | 1230 | 1230 | 1230 | 1230 | 1230 | 1230 | 1230 | 1230 | 1230 | 1230 | 1230 | 1230 | 1230 | 1230 | 1230 | 1230 | 1230 | 1230 | 1230 | 1230 | 1230 | 1230 | 1230 | 1230 | 1230 | 1230 | 1230 | 1230 | 1230 | 1230 | 1230 | 1230 | 1230 | 1230 | 1230 | 1230 | 1230 | 1230 | 1230 | 1230 | 1230 | KMOX (280.2m-1070ke), Housewives' hour. WRC (468.5m-640ko), Housekeepers' half heur.

Atlanile Eastern Contral Mountain Pacific 10 p. m. 9 8 7 7 10 Mark 10 p. m. 9 8 7 10 Mark 10 M Jessie Greene. f:15 a.m. 12.15 ff:15 f0:15 9:15 KGO (361.2m-830ke), "Character Training in the Home," E. Anderson.

the Hardwords. 10 September 20 "The Large Lat.
Pep exertises.
12:30 p.m. 11:30 | 0:30 | 9:30 | 8:30 |
WEBH (370,2m-\$10ke), Fashion and household 

WIZ (493.3m-669ke), 1002 2643 Access Access

(No. 1983-2006), Annue manacentri selection (No. 1983-2007), No. 1986, No. 1 Wednesday

| Wednesday | Wednesday | Wednesday | Wednesday | Wednesday | Wednesday | Wednesday | Wednesday | Wednesday | Wednesday | Wednesday | Wednesday | Wednesday | Wednesday | Wednesday | Wednesday | Wednesday | Wednesday | Wednesday | Wednesday | Wednesday | Wednesday | Wednesday | Wednesday | Wednesday | Wednesday | Wednesday | Wednesday | Wednesday | Wednesday | Wednesday | Wednesday | Wednesday | Wednesday | Wednesday | Wednesday | Wednesday | Wednesday | Wednesday | Wednesday | Wednesday | Wednesday | Wednesday | Wednesday | Wednesday | Wednesday | Wednesday | Wednesday | Wednesday | Wednesday | Wednesday | Wednesday | Wednesday | Wednesday | Wednesday | Wednesday | Wednesday | Wednesday | Wednesday | Wednesday | Wednesday | Wednesday | Wednesday | Wednesday | Wednesday | Wednesday | Wednesday | Wednesday | Wednesday | Wednesday | Wednesday | Wednesday | Wednesday | Wednesday | Wednesday | Wednesday | Wednesday | Wednesday | Wednesday | Wednesday | Wednesday | Wednesday | Wednesday | Wednesday | Wednesday | Wednesday | Wednesday | Wednesday | Wednesday | Wednesday | Wednesday | Wednesday | Wednesday | Wednesday | Wednesday | Wednesday | Wednesday | Wednesday | Wednesday | Wednesday | Wednesday | Wednesday | Wednesday | Wednesday | Wednesday | Wednesday | Wednesday | Wednesday | Wednesday | Wednesday | Wednesday | Wednesday | Wednesday | Wednesday | Wednesday | Wednesday | Wednesday | Wednesday | Wednesday | Wednesday | Wednesday | Wednesday | Wednesday | Wednesday | Wednesday | Wednesday | Wednesday | Wednesday | Wednesday | Wednesday | Wednesday | Wednesday | Wednesday | Wednesday | Wednesday | Wednesday | Wednesday | Wednesday | Wednesday | Wednesday | Wednesday | Wednesday | Wednesday | Wednesday | Wednesday | Wednesday | Wednesday | Wednesday | Wednesday | Wednesday | Wednesday | Wednesday | Wednesday | Wednesday | Wednesday | Wednesday | Wednesday | Wednesday | Wednesday | Wednesday | Wednesday | Wednesday | Wednesday | Wednesday | Wednesday | Wednesday | Wednesday | Wednesday | Wednesday | Wednesday | Wedn Cleaning Time." Springtime Is 12:30 p.m. 11:30 | 10:30 | 9:30 | 8:30 | WEBH (370.2m-810kc), Fashion and Household talks.

WOMEN'S PROGRAMS INDEX period. 1235 (0.35 9.35 8.35 12.35 (1.35 (0.35 9.35 8.35 KYW (535, 4m.560ke) Tubla talk. 12.45 (1.45 (0.45 9.45 8.45 WCCO (416,4m.720ke), "Come Out of the Kitchen." Betty Crocker, WDAP (365.6m-820ke), WHT (299.8m-750ke), WJAB (305.9m-988ke) Home service talk, Betty

WJAB (305.6m 1888te) Bone service talls, Betty Crocker, 233 11:30 10:39 9:30 10:30 9:30 10:30 9:30 10:30 9:30 10:30 10:30 9:30 10:30 70 681.20-830kc), Housekeepers' half hour.
70 681.20-830kc), "Hints for Housekeeper."
8 7 6 8 7 8 5 4
8 7 8 7 8 5
8 LX (568.20-300kc), Woman's hour.
78M (253m-1190kc), Domestic science talk.
9:15 8:15 7:15 6:15 5:15
8.01KA (309.80-870kc), May 5, "Selection of Roofing Materials."

11:30 10:30 9:30 8:30 7:30
KOAC (280:20-1079ke), May 5, "Every Child-How Parental Affection Moulds the Child's Personality." May 12, "Bacteriology of Food Production."

WGN (302.8m-990kc), Home Management period, May 6, A Trip Through a Kitchen on a Lake Not (270m-1110ke), Talks. (2.35 | 11.35 | 10.35 | 9.35 KYW (535.4m-560ke) Table talks. 2 1 12 11 10 WGY (379.5m-790ke), "The Money Wo Need Be-2:20 12:20 11:20 10:20 WOBF (230.1m-1270kc) Garden talk. 12 WIZ (554.3m-660kc) Your Daily Menu, Mrs. J. Heath. Atlantic Eastern Contral Mountein Pacific 4:15 p. m. 3:15 2:15 1:15 1:2:15 1:2:15 1:15 Room: A Filtedrom. Will Paper, Room by Room: A Filtedrom. Will (447.5m-576ke), House Economics, Helen Downing. 

Athantic Enstern Central Muuntain 10:30 a.m. 9:30 8:20 8:20 2:30 7:30 6:50 KMJ (502; in-870ke) Euright's dinners. 7 KDIRA (309) in-970ke) Domestic science and Arts for the Housewife. 10 9 8 WEBBE (370.3a-510e) Household and Gashion Mike.

Mike.

10.35 10.3 4 3 2 1 12 NJZ (454.3m-550ke) "Your Dally Meng," Mrs. J. | Value | Very | Jame 5:15 4:15 3:15 2:15 1:15 WMAQ (447.5m-670kc) 3:15 2:15 1:15 WFAA (475.5m-670kc) Honemakers program. WFAA (475.5m-690kc) Honemakers program. WHAQ (447.5m-70kc), Foibles of the Moment. 2:30 7 6 5 4 3
KOA (322.4m-030ko) Fashion review.
11:30 10:30 9:30 9:30 7:30
KWSC (348.5m-800ke) May 7, "Why Is Your Beefsteak Tough?" "Bockal Aspects of Montal Hygiene."

KMOX (280.2m-1070ke) Housewives' hour.

## GARLANDS OF AIRY TUNES WILL BI

(YW, Chicage, III. (535.4m-560ke), 5-5:30 p. m., dinner music, KDKA: 6:30-8, home-levers' hour; 8-9, an hour of music; 9-10. Congress classic: 10:05-11. Congress

WBAP. Fort Worth, Tex. (475.9m-630ke), 9:30-11 p. m., . Wendoll Hall, The Red-Heuded Music Maker.

WCCO, Minneapolis-St. Paul. Minn. (418.4m-720kc). 6:15 p. m., Wesley Barlow's Nicollet hotel orchestra, 8:15, musicale; 10:05, Wallie Erleison's Coliscum or-WDAF, Kansas City, Mo. (365.6m-820ke), 6-7 p. or., organ music; Triunon ensomble; 11:45-1 a. m., Night-hawk frolic.

hawk frolic.

WFAA, Dallas, Tex. (475.9m-639ke), 6:30-7:30 p. m.,
Jlannite Joy's orchester; 8:30-9:39, Mrs. Albert Smith,
soprancy Mrs. H. Petts, contratel; 11:12, Jack Gardner's orchestra.

WHAS. Louisville, Ky. (399.8m-750ke), 7:30-9 n. m.,
mixed vocal and histrumental concert, Arthur Phulling.
horiton.

WHAM Louisville, Mrs. (399.7m-500k), 8:30 p. m.,
WHAM Louisville, Mrs. (399.7m-500k), 8:30 p. m.,
WM Louisville, Mrs. (399.7m-500k), 8:30

WOAW. Omaha, Nebr. (526m-570ke), 6:50 p. m., nr-chestra; 0. program; 10. Frank Hodek and his Night-lugale orchestra. WOC. Davenport, lowa (483.6m-620ke), 9-10 p. m., Mrs. Harper-Coons, soprano; E. W. Schoenig, baritone; May

WRR. Dallas, Tex. (245.8m-1220ke), 6-7 p. m., dinner hour concert, Jack Gardner's orchestra; 8-9, varied

#### High Lights of the Air

CARLANDS of airy tunes will welcome in the first of May this year instead of the bright nosegays formerly dropped on the doorsteps. These gay melodles brings whiffs of forest music will be the May Day gift of the Radio stations. No Radio fan will escape the charm of this Pled Piper, spring.

The Swanee Syncopators, the dance attraction on the Saturday night pro-

of this Pled Piper, spring.

The Swanee Syncopators, the dance attraction on the Saturday night programs of Station WRC, have been ammed the second best Radio dance orchestra in the United States by Stuart Rogers, New York Radio critic. They were topped only by Vincent Lopez' Orchestra of New York. The Syncopators play regularly under the direction of Al Kamons.

National Music week will be observed by WTIC with features arranged by WTIC with features arranged by music lovers of New Haven. The New Haven Symphony orchestra, Horatio Park cholt, the University Glee club, May Bradley Kelsey, soprano, and Harry B. Jepson, organist, will be featured during the Sunday afternoon concert May 2. On May 5 at 7:15 p. m. Eastern Standard time a grand opera concert will be presented from Dorscht hall. On May 6, at the same time, a sacred concert will be given under the direction of Leroy Baumgartner. Prof. Harry B. Jepson, organist, and the New Haven high school orchestra are the features of the Friday program.

Already the spring of the year brings promise of merry sunshine during summer vacations, and "the call of the wild" will be distinctly felt during the concert Tuesday, May 4, between 9 and 10 p. in. Facific time, given in honor of Yosemite. Anthony Linden, solo flutist of the San Francisco orchestra. Glen Hood, banjoist, and Camp Curry's popular entertainer will be heard. Don Tresider gives a talk on "The Outdoors."

Oratorios famous throughout the ages will be played by the KDKA Little Symphony orchestra Tuesday evening, May 11. This program will give in an attractive manner the history of this musical form.

tory of this musical form.

Grieg's lovely Peer Gynt suite has been heard from many stations during the short life of Radio, but for the first time the poetic form of Ibsen's play will be broadcast Tuesday, May 11, by WGN, Chicago. The WGN ensemble will play the musical background.

Eriday, evening, May 7, the newly

background.

Friday evening, May 7, the newly organized WBAL mixed quartet will broadcast its first concert from 10 to 10:30 p. m. Eastern Standard time. The members of this feature include: Louise Cline, soprano; Maud Albert, contralto; John Wilhourn, tenor; Walter N. Linthieum, basso. This quartet of well-known Baltimore artists is to be a regular Friday event.

chestra; 10:30, (399.8m-760ke), Kitchen Kienzer enterrainers; 10:30, Jack Turner, popular singer, Irene trainings; 10:30, Jack Turner, popular singer, Irene WiBO, Chicago, III. (225.4m-1330ke), 6-8 u. m., Mario Elita Fay, soprano; WiDO string rine. m., Septien WiBO, Chicago, III. (225.4m-1330ke), 6-8 u. m., Mario Elita Fay, soprano; WiDO, String rine. m., Septien WiDO, Mossehart, III. (275.2m-810ke), 5-9 p. m., Palmer House Victorians; Jachel Definit, Elson Far-Willo, Mossehart, III. (275.2m-810ke), 5-9 p. m., Palmer House Victorians; Jachel Definit, Elson Far-Willo, Mossehart, III. (275.2m-810ke), 5-9 p. m., Palmer House Victorians; Jachel Definit, Elson Far-Willow, Mario Elizabeth, 19-12-12-12 a. m., setting up hour. construction of the Mario Elizabeth (19-12-12-12). The Million Singipart of the Mario Elizabeth (19-12-12). The Million Singipart of the Mario Elizabeth Elizabeth Elizabeth Elizabeth Elizabeth (19-12-12). The Million Singipart of the Million Singipart

Garien orthestre; 10, Zoin Hayres, plantax; popular artists, with M. Clevaland, Ohio (388,4m-770kc), 6-7 p. in. dimer hour, Gay Lambardo and hits Royal Canadians; 5-5, Rollenden bour, Carl Rung and hits orthostra; 8-6, Rollenden bour, Carl Rung and hits orthostra; 8-7, Rollenden bour, Carl Rung and hits orthostra; 8-7, Rollenden bour, Carl Rung, and hits orthostra; 8-7, Royal will be seen and the control of the seen and the control of the seen and the control of the seen and the se

uee orchestra.

Central Standard Time Stations
B. Lincoln, Nebr. (340.7m-880kc), 5:30-6:30 p. m.,
mer concert: 8:30-10:30, Stema Alpha Iota: 12-2, KFAB. Licelia, Nebr. (340,7m-896e.), 5:30-6:39 p. m., dimer concert; 8:30-10:30, Sigma Ahiba Iota; 12-2, orelectiva.
KFH. Wishita, Kan. (267,7m-1/20ke), 7-8 p. m., J. O. Aduno Music company; 11-12, Hotel Lassen danca

musical program; 12-1 a. m., organ recital, George Perfect.

VSB, Atlanta, Go. (42B.3m-709ke), 8:45-9:45 p. m., Atlanta Atwater Kont hour; 10:45, Ernest Rogers Red Head club.

Head club. WSM, Nashville, Tenn. (282.8m-1000ke), 7 p. in., Beas-ley Smith's orchestra; 8, barn dance, WSMB, New Orleans, 1a, (300m-940ke), 0:30-11:30 p. m., Mary Maloney and artists, cureent program.

p. n., Mary statoney and grassy, concert program.

\*\*Mountain Standard Time Stations

\*\*FWA, 0gden, Dtah (260.7m-1130ke), n-to p. m., Olic

\*\*Revives and list professors, 19-11 Paramount, literate;

\*\*FXF. Calorade Springs, Colo. (250m-1200ke), 9 p. m.,

\*\*TATE Calorade Springs, Colo. (250m-1200ke), 9 p. m.,

Pacific Standard Time Stations

FFI. Los Argeles, Galif. (407m.842bc) 7.8 p. m., Leudios Ríos Mellor tirlo, 8-5. Bubbert Buttl. tency. Virentia Flohri. soprano; 9-10. Vasabel Bowen. seprano: High Wellington, bartlano; 19-11. Packaphanolid Chib in popular song bits; 11-2 a. m., KFI midnight freile.

instance club in becomes song interest. 11-2 a. in., Kal installight followers, Galif. (232.4m.1298ks), 7-7-730 p. m., studie program; 7:50-6, Municipal band; 0-16, KFON Foolie, 10-11, program, Lolyllutia Golf club; 11-13, State theater organ. KFWB, Hollywood, Callf. (232m-1190kc), 8-20-7-30 p. m., Postlar 6 dinner bour; 8-4, Warner Brothers (KFWB, Hollywood, Callf. (232m-1190kc), 8-20-7-30 p. m., Postlar 6 dinner bour; 8-4, Warner Brothers (Callf. (2312m-130kc), 8-20-7-30 p. m., winding and binno programs; event, field; scheellons; Hawvillan songs; Strollers quartet; 9-15. "A Step On the Statra," mystery evalat; 10, Marison's Midchipmon, dance orchestra.

tusuee orenestra.

KdW, Portland, Ore. (491.5m-610ke), 6-7 p. nt., con-cert; 10-12, Herman Kentu's dance orthostra.

KHJ, Les Angeles, Collf, (405.2m-746ke), 7:16-7:45 p. m., Boy Scoots band; 8-10, Kart Brandenburg, tenor.

p. m., Boy Secotis, band; 3-10, Karl Brandenburg, tenor.

KIR, Seallie, Wash. (384.4m-780kc), 8:30-10 p., m., Paelle Northwised artists.

KM TR., Hollywood, Galli. (226m-120ke), 0-7 p. m., 10-10 p., 10-10

Sunday, May 2

Los Angeles being port of entry from Hawalia, has more Among the most popular of KHJ, are the Burkman Brother To the left is the Tuesday evening feature of WLW, Mary called the Melody Lady of this station. To the right is Malone, soprano, who sings frequ

Headliners Today

Atlantic Eastern Central Menhale 11:30 p.m. 2:30 11:00 for 11:30 for

Atlantic or Eastern Daylight Saving

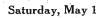
Atlantic or Eastern Daylight Saving
Time Stations
WBER. New York, N. Y. (272.58-1608ch, 16. n.,
Watchinerer, 16. n.,
WBAP, 16. n.,
WBAP

WEEL, Beston, Mass. (348.6m-860ko), 2 n. m., Sacer's hour of hearplaility; 4, WEALP', 6, Jordan Marish company's Spatching diamonds: 7:20, WEAR', 0:15, WEAR', 19.15, WEAR

DANCING

DANCING
Gentral Time
Saturday
(N. Welait, Wyaz, Wmbb,
(N. Welait, Wyaz, Wmbb,
(N. Welait, Wyaz, Wmbb,
(N. Welait, Wyaz, Wmbb,
(N. Welait, Wyaz,
(N. Welait,
(N. Key,
(N. Welait,
(N. Welai

Wait; 13. Kew. Khi.
Kinx. Kno, Yulinf. Wais;
1. Wid.
Kinx. Kno, Yulinf. Wise;
2. Wednasday
9. Wer, Webh. Wgbu,
Ween, Wh. Wise,
Winbi. Wins, Wite; 2:13.
William St. William William
West, West,
West, West,
West, West,
West,
West, West,
West,
West,
West,
West,
West,
West,
West,
West,
West,
West,
West,
West,
West,
West,
West,
West,
West,
William
William
Kiny.
William
William
Kiny.
William
William
William
William
William
William
William
William
West,
William
West,
West,
William
West,
West,
William
West,



Headliners Today

Dand. 10:15 9:15 8:15 7:15 KHJ (405.2m-740kc), Doy Scouts band 1:30 1:30 8:30 8:40 7:30 WBAP (475.0m-630kc), Wendell Hall, Red-Headed musle maker.

Z a, m. 1 12 11 10; KMTR (238m-1260kc), Hal Roach comedy stars. Saturday, silent night for: ONRA, CNRC, CNRE, CNRM, ONRR, CNRT, CNRW, KRW, KRKU, KRU, KRYU, KRYU

Atlantic or Eastern Daylight Saving

Atlantic or Eastern Daylight Saving
Time Stations
WBBR, New York, Time Stations on the Stations
WBBR, New York, Time Stations of the Stations of Pennsylvania Instrumental Irio; 8, Multice More, Chaplain Dickens and the Bors of the Navy Yard; 10:38, Little Jack Little, 11:56, organ rectal, GerUZ. New York, N. Y. (53.3m. 6508c), 7, pp. 6, 12.

Chaplain, Dickers and the Boys of the Navy Yard; 10:05, Benjamin Franklin k! Patio dame orchestra; 10:05, Little Jack Little; 11:05, argan rectal, Gerillo Ger

Eastern Standard or Central Daylight
Saving Time Stations
Dika, Saving Time Stations
Dika, Pa. (309, im-970kc), 6:30 p. m.
Dika, Pitthursh, Pa. (309, im-970kc), 6:30 p. m.
Dika, Pitthursh, Pa. (309, im-970kc), 6:30 p. m.
Helbi, Chicage, Ill. (225, 4m-1330kc), 8-10 p. m.
Helbi, Chicage, Ill. (225, 4m-1300kc), 6:45 p. m.
Helbi, Chicage, Ill. (220, 4m-100kc), 6:45 p. m.
Hepertory theoter convert orderettr, 1:13, br. D. M.
Helbi, Chicage, Ill. (320, 2m-90kc), 6:45 p. m.
Helbi, Chicage, Ill. (320, 2m-90kc), 6:45 p. m.
Helbi, Chicage, Ill. (320, 2m-90kc), 6:45 p. m., multiple operating (3:55-110, Edgewater Reach hotel Ottole
Chicage, Ill. (302, 3m-90kc), 6:45 p. m., multiple operating (3:55-110, Edgewater Reach hotel Ottole
Chicage, Ill. (302, 3m-90kc), 6:45 p. m., multiple operating (3:55-110, Edgewater Reach hotel Ottole
Chicage, Ill. (302, 3m-90kc), 6:45 p. m., multiple operating (3:55-110, Edgewater Reach hotel Ottole
Chicage, Ill. (302, 3m-90kc), 6:45 p. m., multiple operating (3:55-110, Edgewater Reach hotel Ottole
Chicage, Ill. (302, 3m-90kc), 6:45 p. m., multiple operating (3:55-110, Edgewater Reach hotel Ottole
Chicage, Ill. (302, 3m-90kc), 6:45 p. m., multiple operating (3:55-110, Edgewater Reach hotel Ottole
Chicage, Ill. (302, 3m-90kc), 6:45 p. m., multiple operating (3:55-110, Edgewater Reach hotel Ottole
Chicage, Ill. (302, 3m-90kc), 6:45 p. m., multiple operating (3:55-110, Edgewater Reach hotel Ottole
Chicage, Ill. (302, 3m-90kc), 6:45 p. m., multiple operating (3:55-110, Edgewater Reach hotel Ottole
Chicage, Ill. (302, 3m-90kc), 6:45 p. m., multiple operating (3:55-110, Edgewater Reach hotel ottole
Chicage, Ill. (3:50, 3m-120, 3m), multiple operati



lustrate

## L BE MAY DAY GIFTS OF STATIONS



Tuesday Wobii Tussday

Tussday

Tussday

Wghu; Wgn, Wnn,

Wgnye; Wog; 10-15,

10-30, Kths, Wnn,

Wgbu; Whu,

Wgbu; Whu,

Wsb; 11, Kgw,

Kfog; 11-35,

12, Kgw,

Khi,

Kpo, Wdaf, Wjaz;

Wednesday
Wex, Webh, Wgbu,
D, Whu, Who, Wiaz,
D, Wha, Who, Wiaz,
D, Whaz, Wei; 9:13,
£; 9:30, Wbap, Who,
; 10, Kfre, Wbap,
C, Wgb, Wgbt,
L, Wgb, Who,
L, Wga,
L, Wgz, Who,
L, Wgz,
L, Wdat, 12, Kfwa,
Kpo, Wjez,
Wjd,
L, Wdat, 12, Kfwa,
Kpo, Wjez,
Wjd,
L, Wdat, 12, Kfwa,
Kpo, Wjez,
Wjd,
L, Wdat, 12, Kfwa,
Kpo, Wjez,

15. Wdat; 12. Kiwa, ... Kpo. Wig., Wild. Thursday. Wir; 9. Webh, Weel, bu, W hr. bu, W

Friday

S. Wwl; 9, Wex, Webh,
Weei, W g b u, Wgcp,
Wmbb; 9:15, Wahg; 9:30,
Weau, Whn;; 10, Kfve,
Koo, Kths; Wgbu, Wgcp,
Who, Wgc, Wyo,

Write. Werester, Mass. (297.7m-1120ke). 4-5:30 p. m., 10087ms; 720-9-15. WEAP.

Eastern Standard or Central Daylight Saving Time Stations

Croa. Terrate, Can. (350.0m-840ke). 9:15 p. m., HuntsNille Ionathe, Can. (350.0m-840ke). 9:15 p. m., HuntsHard Christian clurch. 4 p. m., Dr. Charles Hellurch.
KDMA. (350.0m-840ke). 100.0m-970ke). 11 a. m., East

East Charles, Can. (350.0m-840ke). 12.0m-10. 100.0m-10.

KDMA. (361.0m-10

Webli.

Seventi Church of Cirist, Scientist,
gratu.

Grand Church of Cirist, Scientist,
gratu.

Grand Church of Cirist, Scientist,
Grand Church of Carlot,
Grand Church of Car

Rosm'; 10-10:10, Sain 'n Heury; 10:10-11, musicel Wy. The Commendation of the Commendation; 0, Geoffrey Landlow, visualization of the Commendation of the Comm

ties, Peoples' church; cheir; Clarance Bddy, organist; 3-4 p. m., Edith Phillips Heller and arisist; Jerry Fallum, apprace; William Matter, Gener; E. Whillips, Fallum, apprace; William Matter, Gener; E. Whillips, and his Rainto Gartine points; 5-10, Külpin Williams and his Rainto Gartine points; 5-10, Külpin Williams and his Rainto Gartine; 7-13 n. m., colman, WSAI, Cliniciani, Ohio (232,9m-2000c) II. n. m., Acondale Mathodist Epiteopat church; 7-13 n. m., colman, WSAI, Cliniciani, Ohio (232,9m-2000c) II. n. m., Acondale WSAI, Cliniciani, Ohio (232,9m-2000c) II. n. m., composite service, 7-3:30, exeming service, ohio (392,4m-770kc). II. n. m., willing in the color of the c

G. WYLAF: S.13, 'W.S. m. October New stricester;

Central Standard Time Stations

KFAB, Lincein, Nebe. (360, 7m. 850m.), 4-8 p. m., respect
acritics, 9-1, Downti, this, budget critical, 19-1, Caleman

KFM, Wichita, Kan. (267, 7m. 120k.), 0:45 a. m., Bible
class, '1:5, First Muthodst church; 19-11, Culeman

KFMF, Shenandeah, Iowa (253m. 140kc.), 0:35 a. m.,
First M. E. Church; '2:30 p. m., Gloiden Ruis song

Christian church critical and characteristics of the control of the control

Commandment with Promiss, Rev. II. Class; musical rogerum commandment with (440.0m.600); 3 P. M. Commandment of the Commandment

KMOX, St. Leuis, Mo. (280.2m-1070ke). D. m., Sunday, zight cities liuffs, lowa (277.5m-1680ke). 11 a. m., Yolk, Council Bluffs, lowa (277.5m-1680ke). 11 a. m., Methodists, Charles and Charles (1888). 12 b. m., Methodists, Charles and Charles (1888). 12 b. m., Methodists, Charles and Charles (1888). 12 b. m., Charles and Charles (1888). 12 b. m., Charles (1888). 13 b. m., Charles

### "a Step On the Stairs"

#### Broadcast as a Play

EPISODE TEN-THE SETTING

EPISODE TEN—THE SETTING

THE scene continues in the high-beamed hunt-room. Mary Williams admits she intentionally locked Mitchell in the cupboard in fear and for safe keeping. She is accused of preventing an officer from performing his duties and several suggestions are made that she might be in caboots with crooks. Mary Williams asks Hazel Stanton where she fits in the picture. In reply Hazel Stanton discloses the fact that she is of the federal department of justice and orders Mary Williams' arrest for the murder of Jeremiah Turner. The "corpse" of Peleg comes to. He explains that he had gathered the guests together in an effort to have the killer confess. He had tapped the land wire of the station and expected to get the message through during a switch of controls. In the woods be met Teufel who, he imagines, was coming to the manse to warm his fullow crooks that the department was on the trail. He was chased by Teufel who pursued him through the station and shot the engineer. The letter was from John Carton but of no importance. Thinking something up at the house he returned there but had to go suddenly and left him shoes. Peleg clears Mary Williams of the crime by saying he killed the man himself. The tenth episode opens.

IRE CASI	
Mr. Everett	of Portsmouth Narcotic Squad
Mary Williams	A vouthful gnest
Aunt Helen Holmes	Relative of Peleg Turner
Hazel Stanton	A voung lady
Maurice Tolliver	A youth and relative
Peleg Turner	A dead man resurrected
Frederick Ardwyn	Peler Turners' lawver
Cousin William Caryl	Relative of Peleg Turner
John Carton	Nephew of Peles Turner
Hari Singh	Hindu servant of Peleg Turner

#### WHERE AND WHEN TO DIAL

Oukland, Calif. (361.2m-830ke). Tenthods at 9:45 p. m. Pacific time, Saturday, 8.

KOA, Denver, Colo. (322.4m-930kc). Tenth episode at 9:40 p. m. Mountain time, Monday, May 3.
WBAP, Fort Worth, Tex. (475.9m-636kc). Tenth episode at 11 p. m. Central time, Thursday

WCCO, Minneapolis-St. Paul, Minn. (418.4m-720kc). Tenth episcde at 10:05 p. m. Central time, Thursday, May 6. WGY, Schenectady, N. Y. (379.5m-790ko). Tenth episodo at 7:15 p. m. Eastern time, Friday, May 7.

WHO, Dos Moines, Iowa (526m-570kc), Touth episode at 2:30 p. m. Central time, Monday, May 10.

WLW, Cincinnati, Ohio (422.3m-710kc). Tenth episode at 8:30 p. m. Central time, Saturday.

WMAQ, Chicago, Ill. (477.5m-670ke). Tenth opt-sole 41 8:55 p. m. Central time, Wednesday, May 12.
WNAC, Boston, Mass. (280.2m-1070kc). Tenth episode at 8:30 p. m. Eastern time, Wednesday, May 5.

day, May 5.

WEAN, Providence, R. I. (270.1m-1110ke). Play breadcast by direct wire from WNAC, Boston, on same schedule as WNAC therefore.

WOAW, Omaha, Nebr. (526m-570ke). Tenth opisede at 8 p. m. Central time, Saturday, May 8.

WOAW Omeha, Nebr. (292m-270tec). Tenth opiseds at 8 p. m. Central Line, Saturday, May 8.

WCC. Davennort. Jowa (483.6m-620tec). Tenth opiseds at 10:30 p. m. Central time, Friday. WOR. Newsky, N. J. (405.2m-740tec). Tenth opiseds at 18:30 p. m. Eastern time, Saturday. WIRC, Washinaton, D. C. (488.5m-640tec). Tenth upleade at 8:15 p. m. Eastern time, Friday, May 7.

KTHS, Hot Springs National Park, Ark. (874.8m-500tec). Schedule to be unnounced over air.

Barmer, S. "The Religion of the New Democracy,"
DBAP, Market W. Stelate.

W. Stelate.

(478,9m-8304s), 5-6 p. m., sacrest consert. School of Music. Southwestern Bightist sominary, 933-41, Texes bated orhestrat.

(10.500 a. m., Henuspit's Avenue M. B., church; 3 p. m., Lutheran Biblic institute; 4:10. House of Hope Presbyleterian church; 5:39, Second Church of Christ, Scionlist; WDAF, Kansas City, Mo. (3655.6m-8204s), 3-4 p. m., program, Lees Summit, Dolly Breitenbaugh, director; 4:45, respectively. Mich. (2855.6m-8204s), 3-4 p. m., program, Lees Summit, Dolly Breitenbaugh, director; 4:45, respectively. Mich. (2855.6m-8204s), 3-4 p. m., program, Lees Summit, Dolly Breitenbaugh, director; 4:15, respectively. Mich. (2855.6m-8204s), 3-4 p. m., program, Lees Summit, bolly Breitenbaugh, Breitenb

Avenue Presbyterlan church; 4:30-3;30 p. m., enoral evensoring service, Christ Church Cathedral; Ernest Vermon, and Church Cathedral; Ernest Vermon, and Church Cathedral; Ernest Vermon, and Church Cathedral; Christian church; 11:0.12:30, Christian church; 3. service; 11:13, Morrill Moore, organist; Don Anchoes, poet (1:13, Morrill Moore, Organist; Don Cathedral); 11:10, 11:1

musta. VOAW, Omaha, Nebr. (526m-570ke). 9 a. m., Omaha Gospet tabemacle; 1:30 p. m., classical program; 9,

WOLLD Wonport, lowa (483.6m-620kc), 1-2:30 p. nc., who could be a considered with the constraint of the could folke musicale, Palmer Little symmetry; Paul 4. Vipperman, tener; 6.30-7. St. Matthews Latheran chirch; 7:15-8:15, WEAF; 10-11:30, Palmer Little

symphony. wOI, Ames, lowa (270m-1110kc), II a. m., chapel serv-

WOI. Ames, lown (270m-1110ke), 11 s. m., chapel serr-WER, Dallas, Tex. (24.5 m.1-220ks), 10-30 s. m., Pits. Bapitst church; 7:30, Church of Christ; 9:30, 10-30, aniel program; W. B. Muse, singer; Blilly Hallback; Fostwarmers orthester, 10-30, 10-3

First Prosbyterlan church; 7:30, First Methodist church, Colo. (322.4m-930kc), 10:50 a. m., First Church of Curist, Scientist; 5 p. m., Corinne M. Bourk, planist; Henry Trustman Ginsburg, violinist; Ethel Wilkins, violinist; Wayne C. Hedges, violist, Lee N. Parker, violoncellist; 7:50, First Church of Christ, Scientist.

Pacific Standard Time Stations (Fl. Les Angeles, Calif. (467m-642ke), 7-7-30 p. m., Grobe synchrophase string organishic, 7-30-8, Jim, land and Jean trie; Coxo Belanger, blues singer, 8-6, null Jean organ, Dan L. McFarland, organist; 9-10, hiorinand syncopators; 10-11, Fackard Sk dame orchestra.
(FON, Long Beach, Calif. (232.4m-1280ke), 6:30-7:30
p. m., program, Prest and Dean; 7:45-9, service, First
Church of Christ, Scientist; 9-10, Burt Pederson's

orniestra.

KFWB, Hollyweed, Calif. (252m-1190kc), 0-11 p. m.,

Warner Brothers Sunday night movie frolle,

GO. Oakland, Galif. (361.2m-830ks), 11 a. m., Pirul Baptist cliurch: 3:30 p. m., vespur services, Grace Cathedral; 7:46, First Baptist church services; George Lingchultz, violinist: Esta Pomeroy, organist. GW. Perland, Gre. (491.3m-616ks), 1946-12 geon. Cliudel of Our Father, Unitaries; 7:30-9 p. m., First chastractural church; 9-10, Chervolte Symphony or-chastractural church; 9-10, Chervolte Symphony or-

Pressystema characteristics chestra.
HJ. Los Angeles, Calif. (405.2m-740ke), 7-8 p. m.,
Flrst Methadist Episcopal church; 8-10, Artiadd Club

KH1. LOS ANGERES LGHII. (405.2m.-sumc), 7-8 m. Piras Methodisk Episcopal church. 8-10, Artisand Clube Piras Methodisk Episcopal church. 8-10, Artisand Clube (NNX, Hollywood, Caill. (336.6m.-800kc), 6:30-7 p. m. Unitarian church service: 8-0, Piras Prasbyterian church of Hollywood, Caill. (426.3m.-700kb, 0:45 a.m. Kartisan Francisco, Caill. (426.3m.-700kb, 0:45 a.m. Kartisan Francisco, Caill. (426.3m.-700kb, 0:45 a.m. Kartisan Francisco, Caill. (426.3m.-700kb, 0:45 a.m. Caill. (426.3m.-700kb, 0:45 a.m. Caill. (426.3m.-700kb, 0:45 a.m. Caill. (426.5m.-850kc), S:45-9:45 p. m. Maryland Artisat enacestal. (426.5m.-850kc), S:45-9:45 p. m. Maryland Artisat enacestal. (426.5m.-850kc), S:45-9:45 p. m. Maryland Artisat enacestal. (426.5m.-970kc), S:45-9:45 p. m. Maryland Artisat enacestal. (426.5m.-970kc), S:45-9:45 a.m., Biblo Incture, Prof. E. G. Linsiev; 11, service; 7:45, service; 9:30, after-service concert.

#### Monday, May 3

Headliners Today

Headliners Today

Atlantie Eastern Central Mountain

180 m. Section Central Mandalia guinteria

180 m. Section Central Mandalia guinteria

180 m. Section Central Mandalia guinteria

180 m. Section Central Mountain

180 m. Section Concert.

180 m. Section Central Mountain

180 m. Section Central M

Atlantic or Eastern Daylight Saving

Atlantic or Eastern Daylight Saving
Time Stations
CFCA. Terento. Can. (356.5m-840ke). 6:45-7:46 p. m..
CFCA. Terento. Can. (356.5m-840ke). 6:45-7:46 p. m..
CHIC. Terento. Can. (356.5m-840ke). 8 p. m.. First
Church of Circles Science (322.6m-180ke). 8 p. m..
WIBER. New York. N. Y. (327.6m-180ke). 8 p. m..
WCAE. Pittsburgh Pa. (461.5m-560ke). 6.350
dimer concert; 8; musicale; 9; ennect; 110, grand
open; 11:35, darse.
WCAU. Philadelphia, Pa. (277.6m-1800ke). 7:30 p. m..
CCUL). Philadelphia, Pa. (277.6m-1800ke). 7:30 p. m..
cettal, N. Smellenburg and company; 8, Carolyn

### SPRING BRINGS "CALL OF THE WILD"



One of the KOA players who appears in the mystery play "A Step On the Stairs"

Betty Lowell. She plays the part of Hazel Stanton.

#### Monday, May 3

EAF, Now York, N. Y. (991.5m-6106b). 4-12 mid-flaff, buyled Anderson, contrailer, Lawrence Gardner, zylophenist; Clover culb. trin; Vincent Lopes and his orchestra; Adolni, Ontherer, paints; Prenedre Vyde, particles of the Contraint of the Contraints; Prenedre Vyde, Dan Bernia and his orchestra. EEI, Buston. Mass. (344.6m-800kc), 7:10 p. m., North Avenue Baptist church quartet: 8, poetic walker; 8:15. Varsity Tire entertainers; 9, WEAF: 10, Unit-chestratin.

Silo. Varsity Tire entertainers; 3, Web.R. 10, Uniterestable of the control of th

WHAZ, Trey, N. Y. (379.5m-790kc), 8:30 p. m., vocal and instrumental concert; reader; 9:45, Boyal club or-

Instrumental concert, teach, 1878, 1878, 1878, 1878, 1879, 1

wife, Philadelphia, Pa. (300.2m-500kc), 6.05 b. m. Benjanin, Franklin holoti cement orderetar; 7. Unete Wip's bedlime stories; dancing lessons, Millie Con-Wip's bedlime stories; dancing lessons, Millie Con-Wig St. (200.2m-500kc), 7:45 p. m., musicale; 0-11, WBAE (40-5, m-600kc), 7.5 p. m., Botol WZ, New York, N. Y. (40-5, m-600kc), 7.5 p. m., Botol WZ, New York, N. Y. (20-5, m-760kc), 7.5 p. m., Botol WZ, New York, N. Y. (20-5, m-760kc), 7.30 p. m., Dream Deality's boddino stories; S. Short Agro Waves, W. Y. (20-5, m-130kc), 7:30-5 p. m., bream Deality; 10-30, "audestille lestores, Pay's Knieter-becker theater; 10-45, B. Paulo dance orthestra. WMAK, Buthalo N. Y. (205, 3m-130kc), 7:30-5 p. m., strain; 10-11, Beaver Producted contract programs, WOO, Philadelphia, Pa. (500.2m-500kc), 6:35 p. m., strain; 10-11, Beaver Producted contract programs, WOO, Aliantio City, N. J. (209, 3m-1600kc), 6:35 p. m., artium Secti Brook, organis; 7:13. Holed Morres dimer muste; S:30, Baydna "Creation"; 11, Atlantic City, Morres achievil; 11, Silver-Sipper Supper WTAG, Warcester, Mass. (28-7,m-1120kc), 9:30-0 p. m., WTAG, entertimers; 9:1-0, Robil Booth buttor forustic: 10-11, WEAZ.

WTAG chieffichers; 9-10, Robin Boost and of noise: 10-11, WEAL CLARK CARRY CAR

S.30. Empire singing orchestra; 9:30, Leo .Reisman's Hotel Brunswick orchestra.

WCAP. Washington. D. G. (468.5m-640ke), 7-8 p. m., stoolio program; 8-9. WEAF; 8-19, WYSAF; 9-19, WYSAF; 8-80, WEAF; 9-19, WYSAF; 9-

WLS, Chicago, Ill. (244.6m.4970ko), 6:10 p. m., Collego Ill. orchestrat. Ohio (422.an.710ko), 7, p. m., dinner of the control of the control

WSA1, Unetinanti, Ohie (323-9m-220ke), 10-12 midnishi. Winisicale Careland. Ohio (338-9m-720ke), 6-7 p. m. dinner hoir. Carl Rupp and his Hotel Hollanden orthestra; 3-11, Cleveland's city band, artists; 11-13, Austin Wylle's Recording orchestra; 12-1 a. m., Gay Lumbardo and his Royal Canadians dance orchestra. WTIO, Hartford, Conn. (472-9m-330ke), 7-30 p. n., September of the Carlon Careland, Carlon Careland, Car

Bioys. KFH, Wichita, Kan. (267.7m-1120ke), 7-8 p. m., ladies

KFH, Wishita, Kan. (267.7m-1120ke), 7-8 p. m., ladles quartet.
KFKX, Hastinas, Nebr. (288.3m-1040ke), 9-1, p. m.,
KFMS, Hastinas, Nebr. (288.3m-1040ke), 7 p. m., Lester Smith Harmony orchestra.
KFUO, St. Louis, Me. (545.1m-550ke), 8 n. m., "The Yallo of Christian Conviction and Gourage," Haw O. Lindoneyer, Wastern Four Gustled Moy. 9-11 n. m., Farnham trio, How De You Do Boys, Grady and Duc. KMOX, St. Louis, Me. (282.2m-1070ke), 9-11 n. m., Farnham trio, How De You Do Boys, Grady and Duc. KMOX, St. Louis, Me. (282.2m-1070ke), 6 n. m., Arthur L. Utt and Mrs. Jacque Londree; 7. Buster's saxophone culture: 8. Bell Hops; 9, orchestra; 0:50.
Swyder, accordinnist.

saxopione quintet; S. Bell Hops; 9, orchestra; 2, 0.30, rmm Pickard, Sextch songs; 10, orchestra; 2, 0.30, rmm Pickard, Sextch songs; 10, orchestra; 2, 0.30, rmm Pickard, Sextch songs; 10, orchestra; 2, 0.30, rmm; 2, 0.30, rmm

Hawaitan novelites; Shizabeth adverso, plemat; reanchestra, roset tokes; West Ploridin dines or
bestra, roset tokes; West Ploridin dines or
bestra, roset tokes; West Ploridin dines or
WDAF, Kansas City, Me. (385.6m-820kc), 6-7 p. m.
Trilanon sensemble; 8-9, Ivanboe band; 0-10, StartRecording orbicstra; Ted Meyn, organist.
WEMO, Bertein Springs, Mith. (285.5m-100kc), 3-15
p. m., Lighthouso Mittel Mycher; Dublano string
WEMO, Bertein Springs, Mith. (285.5m-100kc), 2-17
p. m., Lighthouso Mittel Mycher; Dublano string
WFAA, Dallas, Tex. (475.5m-300c), 621-2750 p. m.,
Honey Boys' orchestra; 3:30-3:30, Sears-Reduck Agridies. Toundation program-300c), 621-2750 p. m.,
Honey Boys' orchestra; 3:30-3:30, Sears-Reduck Agridies. Toundation program-300c), 621-20, p. m.,
Kansas City artists tris; 7-8, Sweeney Radio orchestra;
Pecary Nash, Menry Kide;
Conservatory of Music; 11-12,
consert, Droke Underestly Conservatory of Music; 11-12,
organ reclaid, L. Carles Mens-700kc), 6:30 p. m., Depular
WMO, Wannahis, Tenn. (499.7m-500kc), 8:30 p. m., Depular
WMO, Wannahis, Nebr. (2528 p. m., Depular)

song period. Prank Pelerson, tenor; stems planist; do. Randall's Riva! Ponientello ochestra; 9, classical. Wolffer and the property of the pro

musicale. KFXF, Calerado Springs, Colo. (250m-1200kc), 9 p. m.

KFKF. Calerado Springs, Colo. (250m-1200k.), 9 p. n., spindie program.

(NA. Denver. Calo. (3224m-850ko) 6.50 p. m. Etown Francisco Calo. (3224m-850ko) 6.50 p. m. Etown Francisco Calo. (3245m-850ko) 6.50 p. m. Eto

program, Walter M. Murphy Motors company. Pryor John J. Charles and J. Charles an

#### Tuesday, May 4

Tuesday, silent night fer: CFCA, CHIC, CNRC, GNRE, CNRM, CNRO, CNRT, CNRW, KUDA, KFUD, KFWA, KOA, KOAC, COAC, GNOC, KUDM, KSAC, KTAB, KWSC, WABA, KWGAL, WGAP, WGCP, WHO, WAS, WGAL, WGAP, WGCP, WHO, WGCP, WGCP,

Atlantic or Eastern Daylight Saving
Time Stations 6,500 n.m., dinher cencert; 8-11 WEAF; 11-06, Kenyon
thender, 19 WEAF; 11-06, Kenyon
thender, 19 WEAF; 11-06, Kenyon
WGAU, Philadelphia, Pa. (277,6m-1080kg), 7:30 p. m.
STATE CONTROLLED TO THE CONTROLLED TO THE
Brothers; 8,40 Churfus Herion, 81,00 The
Brothers; 8,40 Churfus Herion, 81,00 The
John Radio Daily E. Stehre Laverence and her play10:30, Radio Daily E. Stehre Laverence and her play10:30, Bulloutie Malie and Dainy Dougherty, smirs;
10:40 Bulloutie Malie and Bulloutie Bulloutie Bulloutie Bulloutie Bulloutie Bulloutie Bulloutie

mencement exercises, Combs Conserratory of Music: 9, Boy Week concert; 19:05. Euro's weekly morte talk; 10:30, El Paulo dance orteceirs.

WJAR, Providence, R. 1, (30:5,0m-50kc), 7:30 p. m., musicale; 3:10, WKAP, (30:5,0m-50kc), 7:30 p. m., row of the control of

hand the commentary of the com



## KDKA TO GIVE FAMOUS ORATORIOS

#### Tuesday, May 4

Central Standard Time Stations KFAB, Lincoln, Nebr. (340.7m-880kc), 5:30-6:30 p. m., dhaqe concert; 8:00-10:30, University of Nebrasia, KFDM, Beaumont, Tex. (315.6m-950kc), 8-10 p. m., diturer consert; 8:05-10:30. University of Nebrasica, KFDM, Renumont, Tex. (315.68-300kc), 8-10 p. m., KFDM, Renumont, Tex. (315.68-300kc), 8-10 p. m., Gage Brewers Hawatians. (267.7m-1120kc), 7-8 p. ib., Gage Brewers Hawatians. (FFF, Shranadouh, 13. (265m.1140kc), 7-8 p. ib., Gage Brewers Hawatians. (FFF, Shranadouh, 13. (265m.1140kc), 7-8 p. ib., Gage Brewers Hawatians. (FFF, Shranadouh, 13. (265m.1140kc), 7-8 p. ib., Gage Brewers, Gage Brewers

ovchestra, S.33, novelty concert; 9, Edna Adams; Mcs. E. K. Sawyer.
KSO, St. Louis, Mo. (545.1m-550ke), 6-0:30 p. m., WEAF. KSU S. Louis, Mc. (343.1m-3500c), 6-0:30 p. m., KSU Glaridae, In. (244.8m-12400c), 7 p. m., J. H. Todd overheatta.

KSU Glaridae, In. (244.8m-12400c), 7 p. m., J. H. Todd overheatta.

KTMS. Hot Springs National Park, Ark. (374.8m-8000c), 9:00-10 p. m., New Arbinston hold orchestra: 10, 281-20-39, neutro disability. New Arks. (249.8m-10000c), 8 p. m., Stema Alpha Lota serority. RyW. Chicang, III. (355.4m-5000c), 5:30-4 p. m., Jaska Uslabatys Orchestra: 0.7, austhode; 7:30-8, Congress hotel studio; 9-3:30, Edisan company studio; 9:30-10 p. m., Euterpean club; 0:30-11, Parent-Teachers Conneil.

Music Settles Settles

WELLF.
WRR. Dallas, Texas (245.8u-1220ke), 6-7 p. m., dimer concert. Jack Gardner's orchestra; S-9, program, Joe

context. Jack Gardner's Disparate, J. May High Mattioners, Ga. (422, 3m. 700kc), S. p. m., New High WSB, Atlanta, Gardner, Gardne

Mountain Standard Time Stations

(F. Golorado Sprinsa, ceis, (280m-1200kc), 3-30

(F. Golorado Sprinsa, ceis, (280m-1200kc), 3-30

(F. Golorado Sprinsa, ceis, (280m-1200kc), 3-30

(Edl., sourano; Pred J. Shanke, burttone; Mtz.

Albanyer, Colo. (322,4m-830ke), 6:30 p. m., Brown

that estring orchostra.

Pacific Standard Time Stations
Los Angelos, Calif. (467m-642ke), 7-8 p.



Chinese Gardens dance orchesten; 3-9, Sereen artists sitting quartet; 9-10, program, chamber of commerce in the California Sacdwood Pres Regin; 19-11, Pack. KFOM, Long Beach, Colif. (270, nonexis. 19-11, Pack. KFOM, Long Beach, Colif. (270, nonexis. 19-11, Pack. KFOM, Long Beach, Colif. (270, nonexis. 19-11, 19-11), Pack. KFOM, Long Beach, Colif. (270, nonexis. 19-11, Pack. KFOM, Long Beach, Colif. (270, nonexis. 19-11, Pack. Long Beach, Long Beach, Colif. (270, nonexis. 19-11, Pack. Long Beach, Long Beac group, KTAB. Oakland, Calif. (239.9m-1250kt), 8-9 p. m. Mills college.

#### Wednesday, May 5

Headliners Today Atlantle Eastern Central Mountain P. 8:15 p. m. 7:15 6:15 5:15 WITC (475.9m-630ke), National Musle Week WPHC (475.9m-630kc), National Musle Week propagation. 36. Apr. 1070kc). Overture, 61 st. 10. Missouri theater, WRE (435.3m-1070kc). Overture, 61 st. 10. Missouri theater, 10. M

#### Atlantic or Eastern Daylight Saving

Atlantic or Eastern Daylight Saving Time Stations (CFGA, Teroth, Cen., (356.3m-464ke), 8 p. m., Saivation and; 11. (356.3m-464ke), 8 p. m., Saivation and; 11. (356.3m-464ke), 8 p. m., Saivation and; 11. (356.3m-50ke), 9.630 p. m., dinner concert; 3-9. (WEAF), 9. Kramer's orthestra; 10. (WEAF), 12. (356.3m-50ke), 1.30 p. m., CALLER, 13. (356.3m-50ke), 1.30 p. m., Saivation, 13. (356.3m-50ke), 1.30 p. m., Station, 13. (356.3m-50ke), 1.30 p. m., Saivation, 13. (356.3m-50ke), 1.30 p. m., Saivation, 13. (356.3m-50ke), 1.30 p. m., Petrilar, 13. (356.3m-50ke), 1.30 p. m.

reaturing a vesul and violin program; 11. support-dance with the property of t

musical program.
WOO, Philadelphia, Pa. (508.2m-590ke), 7:30 p. m.,
Sylvania dinner dunce music; S. WEAF; S. reeltal;
S.S. address. Rev. Forest Dager; 10, For theater
studio program; 10:39, Sylvania dance orthestra.
WTAG, Worcester, Mass. (257.7m-1120ke), 88-20 p. m.,
WEAF; S.S.-01-0, program; 10:40:39, WEAF.

Eastern Standard or Central Daylight

Eastern Standard or Central Daylight Saving Time Stations KDKA. Pittsburch, Pa. (309.1m-970kc). 8:30 p. m., allegto mandain sectet. WADC, Akron. O. (285.5m-1680kc). 6:30 p. m., dinner concert. Carnes Richards Hotel Portage outlots. 8:30. WBAL. Bulltimers. Md. (245.5m-1220kc). 6:30 p. m., dinner concert. Carnes Richards Hotel Portage outlots. 8:40. Kaye. Sopremy. George Bolke, judiatis, Cella Brace, violitais; 0-10, U. S. Naval Acedemy band; 10-10-20, WBAL. hulle quartet. WBBM, Chicago, HI. (225.4m-1330kc), 8-10 p. m., Rudy milts ordering; 12-2 g. m., Allemitte orchestra; 12-2 g. m., Allemitte.

WBBAL hude quarter.

WBBM, Checape, HI. (222.4m-1330kc), 3-10 p. m., Rudy WBBM, Checape, HI. (222.4m-1330kc), 3-10 p. m., Rudy WBBM, Checape, HI. (222.4m-1350kc), 3-10 p. m., Hotel Kintball etc., 3-13. Hotel Lemox ensemble; 6-30. Mustic Marchael and Checape, 10-30. Hotel Through 5-30. Mustic Marchael and Checape, 110. 320. Marchael and Checape, 10-30. Mustic Marchael and Checape, 110. 320. Marchael and Checape, 110. Marchael and Checape, 110. Marchael and Checape, 110. Marchael and Checape, 110. 320. Marchael and Checape, 110. Marchael and Checape, 110. 320. Marchael and Checape, 110. Marchael and Checape, 110. 320. Marchael and Checape, 120. Marchael and Che



Ross Alexander, baritone, appears during the Repertory theater programs at WEZ, Springfield. These programs are popular with fans. Photo, Boris.

and his Rainbe Stylerks; Meindinns; Jon Warner, Ostrott Girks, Gall Bankell; sertists: 1-2, Ginner hour; W. Gall Bankell; sertists: 1-2, Ginner hour; W. Gall Bankell; sertists: 1-2, Ginner hour; W. Gall Bankell; politically, the boot program.
WSAI, Chichenat!, Ohio (225,9m-320kc), 6:45 D. m., shines; 7, Warner, S. WEAF; 10:15, Congress WSAI, Chichenat!, Chio, G. WEAF; 10:15, Congress WSAIS, Chicago, III. (275,8m-1699kc), S. D. m., Ray Dean; Torrace Garden orthestar; Themseaso Gluger Snaps; 10, Ruby Rosslena; Dave Darcie; Terrace WAAM. Cleveland, Chio (386,9m-770kc), 6-7 p. m., dinner missic, Carl Rupp and his Lifetd Hollenden orthestar; S-11, Public Auditorium program; 1-2-1 e. m., WTM, Public Auditorium program; 1-2-1 e. m., with the state of the s

WEAF.

Central Standard Time Stations

NRW. Winnings, Can. (384.4m.-780ke). D. D. m., marimbanhous dust, Mulheram Benthers: Marfon Brown,
vocalist; Sveline Wildgoose, pinnist; Hazel Mills,
KFAB, Lincelin, Nebr. (349.7m.880ke). 539-8-23 D. m.,
dinner concert; 8:30-10:30, Harriet Craise. Oilois of
the Air; Mike Kopas, King of the Ivoriec; Gloomy

KFH, Wichita, Kan. (287.7m-1120ke), 7-S D. D., classical, concert. ent concert. FKX, Hastings, Nebr. (288,3m-1040ke), 9-11 p. m., A. A. Assumes, we wanted to the construction of the construction o

Ross Alexander, baritone, appears during the Repertory theater programs at WEZ, Springfield. These programs are popular with fans.

Photo, Boris.

WHO, Chicago, H. (224-5m-30ke), 9-1 s. m., opera with fans.

WIGO, Chicago, H. (329-5m-30ke), 9-1 s. m., opera with fans.

WIGO, Chicago, H. (329-5m-30ke), 9-1 s. m., opera will be allowed by the contact program of the c

chemical services of the property of the prope

Mountain Standard Time Stations

Mountain Standard Time Stations

KFWA, Ouden, Utah (260.7m. 1150kc), 0-10 p. m., Olie

Research 1.12 minimizer, Olie Recers and his orconcerned 1.12 minimizer, Olie Recers and his orchestre.

KFKF, Celerade Springs, Cele. (250m. 1200kc), 8.30p. m., Cubraudo Burings Music clubi, American Music

KGA, Danwer, Cele. (322.4m. 930kc), 6.30 p. m., Broom

Palace string urchestris; S. Schebosromary; Colorado enPalace string urchestris; S. Schebosromary; KOA

mesura; S.15, Albert Scehrist Mfg. company; KOA

#### Wednesday, May 5

orchestra; instrumental trio; Agnes Clurk Gialster, so-prano; Edward Wolfers, bartione; Della Hoover Francis, violinist; 10-12, Broadmoor Rhythm Rustlers.

pacino; Edward Weiters, bortinor; Delia Sienere Francis; rollist; 10-12, Brundmorr Rhythin Rustlers, Pacific Standard Time Stations.

KFI, Las Angeles, Colif. (487n-48248), 7-25 Bp. m., Grebe Synchrophase atting ensemble; 7-30-8. Ning Experis\* detected story; 8-9, program, Ventura Refunige company; 3-10, program, A. V. Sliotwell Corp.; 10-11, program of dense and popular sounts control of thems and themselves and themse

cinestra.

KOAC. Gorvallis, Ore. (280.2m-1070ks), 7:20 D. m., Policy Coloradis, Ore. (280.2m-1070ks), 7:20 D. m., Coloradis, Colorad

program. KWSC, Pullman, Wash. (348.6m-860ke), 7:15 p. m., Kiwants club.

## Thursday, May 6

#### Atlantic or Eastern Daylight Saving

CECA, Terento. Can. (356-98-40ke), 8:50 p. m., Clement Hambourg, planter, William Hardiman, violitelet, WBBR, New York, N. Y. (272.5m-100ke), 8 p. m., Carl Park, violitist: Fred Twarnerisk, tonor. WEAP, 100-100, 100 p. m., WEAP, concert; 8, concert; 800, WEAP; 9, WEAP; 10, WEAP, 10, WE

Concents, whill it. Here Harvesters, Civingo Concents, while it. Here Harvesters, Civingo Concents, Victor Lobes and lits orchestra. When the Concents are concents and lits orchestra. WEEI, Beston, Mass. (348.6m-860kc), 7:30 p. m., musticale; 8:11, WEAF. (391.5m-760kc), 6:30 p. m. WEI, Philadelphia, Ph. (391.5m-760kc), 6:30 p. m. Vineent Lopes Hotel Statler dance orchestra; 8:11, WEAF. (391.5m-960kc), 6:30 p. m. Vineent Lopes Hotel Statler dance orchestra; 8, WEAF. (WHAR, Athantic City, N. J. (275.fm 1990kc), 8 p. m., Full Hard, Martin College, N. J. (275.fm 1990kc), 8 p. m., Full Philadelphia, Ph. (308.2m-590kc), 6:05 p. m., Benjamin Prunklin coluent orchestra; server; 7, Dolmes Arnádo, pietis, 7:15, Guiden Slipper Square dulb ban-arnádo, pietis, 7:15, Guiden Slipper Square dulb ban-arnádo, pietis, 7:15, Guiden Slipper Square dulb ban-messex orchestra; 9:11, WEAF. (305.9m-590kc), 8 p. m., Hud-son-Essex orchestra; 9:11, WEAF. (305.9m-590kc), 7 p. m., Hotel Vanderbilt orchestra; 7:89, Judice, 4:7, 2:01, Vofes of Typowriter salon orchestra, WIC, WCX, WCAD; 16, Record Roys, WHC; 10.30, Freddic Rich's Hotel Asia, WAAK, Estello, N. V. (265.5m-1130kc), 6:15-7:15 p. m., MARK, Estello, N. V. (265.5m-1130kc), 6:15-7:15 p. m.,

Transmire control of the transmire of the Congress of the Cong

program; 9-10, WBAF; 10-11, WEAF;
Eastern Standard or Central Daylight
Saving Time Stations
KDKA, Pittsburgh, Pa. (309.1m.370kc), 8:30 p. m.,
Garl Maria Von Weber, KDKA Little symphony; 9.
WAGC Akronod Guarter 11. convert
WAGC Akronod Country 11. convert
WBAF, Grobbert Sheet Metal and Heating company; 10.
WBAF,

Arthur Cliffon, organist; 9:39, Cook's Enterfly ball-WGBJ. Zion, III. (344,6-720ke), 8 p. m., Zion band, male quartet; Echor Wiodman, son, 20 p. m., zion band, male quartet; Echor Wiodman, son, 20 p. m., special ren, tener; 5. D. Thomas, barliona. WEBH. Chicago, III. (379,2m-810ke), 7. p. m., special rendering the state of the s

Bolischir, organist, WHT, Chicago, III. (399.8m-756kc), 7 p. m. Al Carney, organist; 7:30, Grayling's ensemble; May Gartin, contraile; 545-10:15 (238m-1260kc), Undereil cafe ordicales; 16:30 (399.8m-756kc), Kitchen Klenzer, 16:30 (399.8m-756kc), Kitchen Klenzer, Chicago, C

new orkanist; 7:09. Graylina's ensemble; May Gartin, contrains; \$545-01.13 (2083.1-1200ba; Cimbercila cate ortherethr; 10:30 (2083.8-1-200ba; Cimbercila cate ortherethr; 10:30 (2083.8-1-200ba; Cimbercila cate ortherethr; 10:30 (2083.8-1-200ba), Kitchen Kienzer Derivation (2004.8-1-200ba), Kitchen Kienzer Derivation (2004.8-1-200ba), Kitchen Kienzer Derivation (2004.8-1-200ba), Kitchen Kienzer Derivation (2004.8-1-200ba), Barrier Derivation (2004.8-1-200ba), Barrier Derivation (2004.8-1-200ba), Barrier Derivation (2004.8-1-200ba), Barrier Derivation (2004.8-1-200ba), Francisco (2004.8-1-200ba), Portannia (2004.8-1-200ba), Francisco (2004.8-1-200ba), Portannia (2004.8

RADIO DIGEST—Hustrated

1. C. Raddo forum; 7. William Ressall, bandelst: Farber 6. Gettinger, sorrano: Francis O. Loury, glamets. S. Madime Blanche Archanbaut. Source 2016.

1. C. Raddo forum; 7. William Ressall, bandelst: Farber 6. Gettinger, sorrano: Francis O. Loury, glamets. S. Madime Blanche Archanbaut. Source 2016.

1. G. Loure 1. G. Loury, glamets. S. Madicipel Madient Control of the Co

#### GENERAL TALKS AND SPEECHES

Saturday, May 1

| 122.3m-10kc), "Arononities, U. S. Alf. | 230 | 230 | 230 | 230 | 230 | 230 | 230 | 230 | 230 | 230 | 230 | 230 | 230 | 230 | 230 | 230 | 230 | 230 | 230 | 230 | 230 | 230 | 230 | 230 | 230 | 230 | 230 | 230 | 230 | 230 | 230 | 230 | 230 | 230 | 230 | 230 | 230 | 230 | 230 | 230 | 230 | 230 | 230 | 230 | 230 | 230 | 230 | 230 | 230 | 230 | 230 | 230 | 230 | 230 | 230 | 230 | 230 | 230 | 230 | 230 | 230 | 230 | 230 | 230 | 230 | 230 | 230 | 230 | 230 | 230 | 230 | 230 | 230 | 230 | 230 | 230 | 230 | 230 | 230 | 230 | 230 | 230 | 230 | 230 | 230 | 230 | 230 | 230 | 230 | 230 | 230 | 230 | 230 | 230 | 230 | 230 | 230 | 230 | 230 | 230 | 230 | 230 | 230 | 230 | 230 | 230 | 230 | 230 | 230 | 230 | 230 | 230 | 230 | 230 | 230 | 230 | 230 | 230 | 230 | 230 | 230 | 230 | 230 | 230 | 230 | 230 | 230 | 230 | 230 | 230 | 230 | 230 | 230 | 230 | 230 | 230 | 230 | 230 | 230 | 230 | 230 | 230 | 230 | 230 | 230 | 230 | 230 | 230 | 230 | 230 | 230 | 230 | 230 | 230 | 230 | 230 | 230 | 230 | 230 | 230 | 230 | 230 | 230 | 230 | 230 | 230 | 230 | 230 | 230 | 230 | 230 | 230 | 230 | 230 | 230 | 230 | 230 | 230 | 230 | 230 | 230 | 230 | 230 | 230 | 230 | 230 | 230 | 230 | 230 | 230 | 230 | 230 | 230 | 230 | 230 | 230 | 230 | 230 | 230 | 230 | 230 | 230 | 230 | 230 | 230 | 230 | 230 | 230 | 230 | 230 | 230 | 230 | 230 | 230 | 230 | 230 | 230 | 230 | 230 | 230 | 230 | 230 | 230 | 230 | 230 | 230 | 230 | 230 | 230 | 230 | 230 | 230 | 230 | 230 | 230 | 230 | 230 | 230 | 230 | 230 | 230 | 230 | 230 | 230 | 230 | 230 | 230 | 230 | 230 | 230 | 230 | 230 | 230 | 230 | 230 | 230 | 230 | 230 | 230 | 230 | 230 | 230 | 230 | 230 | 230 | 230 | 230 | 230 | 230 | 230 | 230 | 230 | 230 | 230 | 230 | 230 | 230 | 230 | 230 | 230 | 230 | 230 | 230 | 230 | 230 | 230 | 230 | 230 | 230 | 230 | 230 | 230 | 230 | 230 | 230 | 230 | 230 | 230 | 230 | 230 | 230 | 230 | 230 | 230 | 230 | 230 | 230 | 230 | 230 | 230 | 230 | 230 | 230 | 230 | 230 | 230 | 230 | 230 | 230 | 230 | 230 | 230 | 230 | 230 | 230 | 230 | 230 | 230 | 230 | 230 | 230 | 230 | 230 | 230 |

say Webb.
12 11 10 9 8
KOAC (230.2m-1070ke), "Orogon—A Wonder-

Atlantie Eatern Central Meuntain Paeific 13.m. (1920m. 1920m.)

Thursday, Way 13.

King Way 14.

King Way 14.

Friday, Way 14.

Atlantie Eatern Central Meuntain Paeific 13.m. (1920m. 1920m.)

King Wa Livie.

Friday, Way 14.

Atlantie Eastern Central Meuntain Paeific 6 ft. (1920m. 1920m.)

May 14.

King Way 14.

Friday, Way 14.

May 14

theater ornan; 6:30, Hotel La Salle orchestra; 9:20, to be amounted.

11. (249 cm. 1/200kg), 7:3 cm. m., which is the sall of the sall of

naude program; 9-11, Trianon orchesten; Woodlawn indexer orgenerin; essemble; Bob Duñy; Gilston Keinstein Green Smith, Tollin and esteric giverlies, papular mover of the program of the p

concett, 7, WEAF.

Central Standard Time Stations

KFH. Whith, Kans. (287.7m.1120kc), 7-8 p. m.,
American Lepton quarted.

KLDS. Independence, Mo. (440.9m.680kc), 8 p. m., E.

N. Brinkman, hartione; Mrs. & N. Brinkman, contraits; George Howerton, organist; Caroline Schmidt,

violinist. KLDS, transform, harltone; bits. P.
N. Brinfmun, harltone; bits. P.
N. Brinfmun, harltone; creatist; Caroline Schmidt, trailey George Howetton, organist; Caroline Schmidt, KMA. Shenandah, lowa (S22m.1190ke). 9-11 p. m., Delimnico Dreamers' orchestra.
KMA. Shenandah, lowa (S22m.1190ke), 7:30 p. m., PRG. Houston, Texas (S26m.1010ke), 7:30 p. m., RRG, Houston, Texas (S26m.1010ke), 7:30 p. m., WEAF; S. Southern Paufic Lines side club.
KSD, St. Louis, Mo. (S45.1m-350ke), 7 p. m., WEAF; S. WEAF.

Mountain Standard Time Stations
CNRC, Calgary, Can. (435,5m-888k), 9 p. m., orchesfur, Weitwood Robinson, tenery Clades Webb Fosker, Colorado Spring, planist.
KFXF, Colorado Spring, Col. (250m-1200ko), 9 p. m.,
College of Justic.
KOA, Derver, Colc. (322,4m-930ko), 6:30 p. m., Brown
Falzao String orchestra.

Pacific Standard Time Stations

Facilities Standard Time Stations

KF1, Lot Angeles, Cailf. (467m-642ke), 7-8 p. m., programs, 2010, program of classical naviews 19-11, Patrick-Starsh dance mechasire, Belty Facility, Spilis.

Fartick, soluist.

KFON. Long Beach. Calif. (232.4m-1280kc), 7 p. m., Spanish lesson; 7:39-0. Municipal hand; 9-10, simile program; 10-11, Luke club ordiostra; 11-12 midmicht, State theater organ.

KFWB, Hellywood. Calif. (252m-1190kc), 6:30-7:30 p. m., Pnotiac Six diamer hour; 7:30-8, program, Dell's Lee Cresun; 8-9, program, Phillips and Rambaugh with Frankt Mourish Park orchester; 9-10, program, Dell's Accessed 19-12, Wagner Brothers frould.

RCO, Onkinad, Calif., (Sel.2m. 830ke). S. p. m., Where to Onkinad, Calif., (Sel.2m. 830ke). S. p. m., Where to Onkinad, Calif., (Sel.2m. 830ke). S. p. m., Where to Onkinad. Calif., (Sel.2m. 830ke). S. p. m., other to Calif., (Sel.2m. 830ke). S. p. m., other to Calif., (Sel.2m. 830ke). S. p. m., other concert; S. 10. raudeville program. Shony and trory, pland duetlists, judes: Flower gries; 10-12 mid-zipht, dance music, Cole McBiro's orchestra. (SH.) Los Angeles, Calif. (49.5.m.-740ke). S. 10 p. m., Times tower studio, feature program.
KMTR. Hellywood, Calif. (288m. 1260ke), 6-7 p. m., Starr Pland company studio; S. 10. KMTR concert orchestra.

Slary Pfaine company studie; S-10, KMTR concert orchestra.

KNX. Hollwood, Calif. (336.5m.890ke), 6:30-7 p. m.
Arwarer Kent orchestra: 7-5 program, Ib. L. Crockett

Arwarer Kent orchestra: 7-5 program, Ib. L. Crockett

dealers; 9-10, The Wiscernation for Willey-Orchand

cleant, Radio's Noblemen; 10-11, studie program in 1-12

mininght, Ambassador hotel dance orchestra.

KPO, San Francisco, Calif. (242.5m.700ke), 6:30-7 p. m.

Peirmont hotel orchestra: 8-6, 12-30, Ibady

Solvers

3-10, Pacific musical society; 10-11, Cathira care dance

KPSN. Pasadona, Calif. (315.6m.950ke), 8-9 p. m.,

Pasadona, Calif. (315.6m.950ke), 8-9 p. m.,

RYAB, Oakland, Calif. (239.9m.1250ke), 8-10 p. m.,

music.

#### Friday, May 7

Fridny, silent night for: CFAC, CHIC, CKAC, CKHC, CKY, CHRC, CNRM, CRRO, CNRR, CNRW, KFAU, KFWA, KKFX, KLOS, KPRC, KFSN, KSAC, KUOA, FWX, WBBR, WCAD, WCBD, WEAO, WEBW, WLOW, WGT, WHAZ, WHY, WHAZ, WRC, WLW, WSM, WSM, WRAD, WRAD, WRC, WRV, WSMB, WSUI, WTAM,

Atlantic or Eastern Daylight Saving

WSMB, WSUI, WTAM.

Atlantic or Eastern Daylight Saving

Time Stations

WGAE, Pittsburgh, Pa. (461.3m-650ke), 6.29 p. m.,

dinner concert; 8, Mozare choir; 0.230, WEAE; 10:300.

WGAU, Philadeiphia, Pa. (277.5m-1080ke), 6.45 p. m.,

Clarence Seaman and his ordeustar; 7:30, Smellenium, and the strength of the strength o

tus: 11, Fresman non. 12 elub concerne WMAK. Buffalo, N. Y. (285.3m-1130kc), 7:30-9 p. m., musicals: 10-11, musical, Sunrise Point Development

WMAK, Buttalo, N. Y. (285.3m-11.9ue), 7.3u-u n. m., matchate. 10-11, mistical. Suncise Point Development (10-11), mistical. Suncise Point Development (10-11), mistical. Suncise Point Development (10-11), which was a suncise product of the product

WTAG. Worester. Mescale 27.78-117. (1920). 8:15-10 p. im. concert; 10-10:30, WTAG. Tem. 1120(4). 8:15-10 p. im. concert. Concert. Rosel, 10-10:30, was also program; 10-10:30, mescale pinists. D. m. concert. Cancer Richards: Rotel pinists. D. m. concert. Cancer Richards: Rotel pinists. D. m. concert. Cancer Richards: Rotel Portuge cum-wall. Basin program; 10-10:30, mescale pinists. D. m. concert. Cancer Richards: Rotel Portuge cum-wall. Basin program; 10-10:30, mescale pinists. D. m. concert. Cancer Richards: Rotel Portuge cum-wall. Basin program; 10-10:30, mescale pinists. D. m. concert. Cancer Richards: Rotel Portuge cum-wall. Mescale pinists. D. m. concert. Cancer Richards: Rotel Portuge cum-wall. D. concert. Cancer Richards: Rotel Portuge cum-wall. Cancer Richards: Rotel Portuge cum-wall. Cancer Richards: Rotel Portuge cum-wall. Cancer Richards: Rotel Portuge cum-richards: Rotel Portuge c

#### Friday, May 7

program; 9-11. Trianon orchestra; Wordiawn theator orchestra; Jue Warmer, character sonus; Adalatic Hart; male tricl, Bio Bennett, popular program.

WOK. Chicago. III. (217.3m-13846c), 4:30-7 p. m., Capitol theater organ; studie program; Tip-Tuo Ina. (Capitol theater organ; studie program; Tip-Tuo Ina. (Capitol theater organ; Studie program; Tip-Tuo Ina.) Thouse more characteris; Capitol theater more characteris; Capitol theater more characteris; Capitol Characteris; Capitol theater program.

WOOD, Grand Rapids, Mich. (241.8m-1240kc), 9:15-11

WOOD, Grand Rapids, Mich. (241.8m-1240kc), 9:15-11 p. m., classical concert. WORD, Bakuvin, III. (275m-1000kc), 7 p. m., North Shore Ilne; 9, skuldip program, WG1, Chirang, III. (447.5m-570kc), 7-8 p. m., dinaer wG2, Chirang, III. (447.5m-570kc), 7-8 p. m., dinaer cect orderskir. American the Rathibo Garden con-cect orderskir. American the Rathibo Garden con-triolistist. Albert Helbaun, concert plantist; 10-1 n. m., Rahih Williams and his Rathibo Garden orderskir; vacal, Clark's Hawalian trio; artists; 1-2, Ginger hour.

WRVA. Richmond, Va. (258.m.1170ke), 7 p. m. Hotol. WRVA. Richmond, Va. (258.m.1170ke), 7 p. m. Hotol. Richmond tripestra; \$15. edged feetfval of music; 19.30-11.20, Metel Richmond Winter Garden refusers, WSWS. Chicase, III. (275.8m-1990ke), 8 p. m. Terrare Garden orderestra; 10. Terrare Garden Flyer, Carden property of the Chicago, 10. Carden Property Card

Central Standard Time Stations KFAB, Lincoln. Noir. (340.7m.880kc), 5:36-6:38 p. m., dumer enteced: \$35.40:38. Harmony Six orchestra. KFOM, administ. Faxa. (315.6m.560kc), 8:19 p. m., Macrock administration company's retnergy-hand. Metal Krackeys. (367.7m-1/280kc), 7-8 p. m., Gold Metal Krackeys.

And the control of th

resout values, Solists. WFAA, Dallas, Texas (475.9m-630kc), 8:30-7:30 p. m.; Shaw-Smith college club urchestra; 8:30-9:30, Schubert Shaw-shifts (cuting cut described). T p. ns. A. webs. Evansville, Ind. (286.1m-1270ke), 7 p. ns. A. webs. Evansville, Ind. (286.1m-1270ke), 7 p. ns. A. WHAS, Louiselle, Ky. (395.8m-750ke), 7:30-8:30 p. ns. Eddio Stemer's orchestra; 8:30-1, special boys' week

exectorises.

WHB. Kansas City, Mo. (USS.6m-820kc), 7-8 p. m.,

Nuceuser Redio orterestra.

WHO, Des Moines. Iowa (326m-570kc), 7:30-9 p. m.,

special "Music Week" prograw; 11-12 midnight,

Lawrence Philbreck and his Younker Tea room of

Laxronce Philibreck and his Youngs Tee mouser-cleestra.

WMC. Mamphit Tenn. (499.7m-600ke), 820 p. m.:

WMC. Mamphit Tenn. (499.7m-600ke), 820 p. m.:

WAL San Antonio, Te., (394.5m-700ke), 820 p. m.:

News and Express and College of Music programs.

News and Express and College of Music programs.

NOAW, Omaha, Nebr. (250-m-700ke), 520 p. m. (511
tian program; 10:30. Plausk Hodet and bis Nightincell orrhestra. Inva. (493.5m-620ke), 8-230 p. m.,

WOG. Dawnnert 10:38. Holes Bunghes the Blackberry

WGC. Dawnnert 10:38. Holes Bunghes the Blackberry

WGR. Dallas, Tex. (245.6m-1220ke), 8-7 p. m., Jack

Garliner's Crichetti; 8-9, Magnolin Petroleum cou
stated orrhestra; 10:30. "A Sign On the States."

WSB. Allhota, Ga. (423.5m-200ke), 8 p. m., Griffith)

SyBn. Allhota, Ga. (423.5m-200ke), 7 p. m., Deas
Kennody, director.

WSB. College on the States of the States.

WSB. States on the States of the States.

WSB. States on the States of the States.

Manual States of the States of the States.

Manual States of the States of the States.

Manual States of Tenne.

Mountain Standard Time Stations Mountain Standard Time Stations
KFWA, Oséen. Ubin (207.7m-1150ke), 9-10 p. m.,
chiorup; 10-11. Provinceum theater missis.
KFXF. Colorado Springs, Cola. (250m-1250ke), 7:50-8
p. m., Star ranch, Pines Sanatorius program; 9-11.
ricial Sciecho tipes; (22.4m-930kke), 6:30, p. m. Broun
Wilse string orchestra: 8. Scheuerman's Colorado orchestra; 23.15, KOA curchostri; venel treis: Mille inplittic; Flace Sciphe, trombonist; Lillium Donnery, centrality; Charles South, coloilubit; Miss. Richard OsenDonnish, soprano; Clarence C. Moore, Dass; Margaret
Henderson, phulis.

#### Pacific Standard Time Stations

Pacific Standard Time Stations

Ff. Los Angeles, Gall. (1967m-642ke), 7-7-39 p. m.

Ff. Los Angeles, Gall. (1967m-642ke), 7-7-39 p. m.

Ff. Los Angeles, Gall. (1967m-642ke), 7-7-39 p. m.

Ff. Los Angeles, Gall. (1967m-642ke), 7-7-30 p. m.

Ff. Committee of the State of Market Modern Committee of Market Market

Starr Piaro company studies.

(NX, Hollywood, Calif. (336.0m.-8908c), 6:30-7 p. m., Atwater Kent orductist. 7-8, studie programs 8-0, program, Jell-X-fell with Charles Melsan's Physbox: 9-10, Ordinalist Domais tradic; 10-11, main event from the program 8-0, programs 10-10, programs 8-0, programs 10-10, programs 10-10

KOAC, Corvallis, Orc. (280.2m-1070kc), 7:26 p. m., Arthur Kirkham, tenor: 8:15-9:15, musical program

KPO, San Francisco, Calif. (428.3m-700kc), 6:30-7 p. m., States Restaurant orchestra; 8:10.39, R. O. T. C. States Restaurant orchestra: 8:10.39, R. O. T. C. KWSC, Puller W. C. States Restaurant ouchestra, KWSC, Puller W. C. States Restaurant ouchestra, Decratee Metz, plannist, States Bennet, combist, ierry Satola, violatist, Nather Sement, combist, KTAB, Oakland, Calif. (239.9m-1250kc), 8:10 p. m., programs, Broumer's.

#### Saturday, May 8

chiestre. 4. (1996. pm. 1010ke), Wendell Hall. (1910. 1910.

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

Atlantic or Eastern Daylight Saving
WBBR. New Yerk, N. Y. (27.8m.110kc), 8.D. m.,
WBBR. New Yerk, N. Y. (27.8m.110kc), 8.D. m.,
WBBR. New Yerk, N. Y. (27.8m.110kc), 8.D. m.,
WBBR. New Yerk, N. Y. (31.8m.110kc), 8.D. m.,
WALL, WBBR. WBBR. WBBR. WBBR. WBBR. WBBR.
WALL, WBBR. WBBR. WBBR. WBBR. WBBR. WBBR. WBBR.
WBBR. WBBR. WBBR. WBBR. WBBR. WBBR. WBBR.
WBBR. WBBR. WBBR. WBBR. WBBR. WBBR. WBBR. WBBR.
WBBR. WB

Eastern Standard or Central Daylight

Eastern Standard or Central Daylight
Saving Timo Stations

KOKA, Pitthurth, Pa. (300, 1m-700k), 8:30 p. m.,
WBBM, Chitago, III. (225, 4m-1300k), 8-10 p. m.,
WBBM, Chitago, III. (326, 4m-1300k), 8-10 p. m.,
Capitol theater orchestric 6-15. Renotatory theater
consert orchestric 7:13, Dr. D. M. Steley, readers:
Talents, Social Confession (1988), 8-10 p. m.,
WBBH, Chitago, III. (370, 2m-810k), 8 p. m.,
MBBH, Chitago, III. (370, 2m-810k), 8 p. m.,
MBH, Chitago, III. (370, 1m-80), 10 p. m.,
MBH, Chitago, III. (380, 1m-80), 7 p. m.,
MBH, 10 p. m.,
MB

chestre. WHT. Chiesqo, III. (399.8m-750ke), 7 p. m. Al Carney WHT. Chiesqo, III. (399.8m-750ke), 7 p. m. Al Carney magnalst; S:45-10:15 (238m1260ke). Cinderella mehestri: 10:30 (390.8m-750ke). Kitehen Kleinzer enticatalners; 10:30, Jack Turnor; Jeeno Smith; 12, year hour.

hour. WIBO, Chicago, III. (225.4m-1330kc), 6-8 p. m., Mario Filta Fay, soprano, WIBO string trio. WIAZ, Chicago, III. (329.5m-910kc), 9-2 s. m., Opera

Hills Fay, sourant: WHS0 string the.
WIAZ. Chicago, III. (223-23m-40ke), 9-2 a. m., Operation of Management of the Chicago of

race Garden orchestra; 10, Zolia Baynes, plunist; nomular artists. WTAM. Cleveland. Ohio (389.4m-770kc), 6-7 p. m., din-ner bour. Gey Lembarde and bis Rayat Canadians; 8-9. Hollenden heur. Carl Rupp and his urchestra; 9-12 uidnight, merelly program, Ev Jones and his gang. Central Standard Time Stations

Central Stationard State Control of the Control of Administration of the Company; 11-12 ministration o



Leonard Bruvald Latvian, baritone, has sung in all the capitols of Europe. Amer-icans may hear him by tuning in for WFL, May 3.

chestra; 9:30. John Santer, fletist; lake Halbman, elseinetst; 10. Colonel 6127, Jan. 1980(c), 8 of m. testinetst; 10. Colonel 6127, Jan. 1980(c), 8 of m. testinetst; 10. Colonel 6127, Jan. 1980(c), 8 of m. testinetst; 10. Colonel 6127, Jan. 1980(c), 8 of m. testinetst; 7:35, Hatlan prize, 1980(c), 10. Lettinetst; 12. midtletht, Pow-Wow.

Lettinetst; 12. midtletht, Pow-Wow.

Lass, 8:30, Tex. (299. 3ml-1018(c), 7:30 b. m., Billist, 10. Lettinetst; 10. midtletht, Pow-Wow.

Lass, 8:30, Tex. (299. 3ml-1018(c), 7:30 b. m., Billist, 10. Lettinetst; 10. Letti

Jiminis Joy's ordicetts, 8-200-853, Brain and the first and the state of the control of the cont

musicale.

Mountain Standard Time Stations

KEWA, Ogden, Utah (200.7m-1150kc), 0-10 p. m., Olhe

Reeves and his orchestra, 10-11, Paramount limeter

music, 11-12 midnight, Olic Reeves and his orchestra,

10-21, Paramount of the Reeves and his orchestra,

Peerless Schoumman's Colorado, or heart of the American Colorado, or heart or hea

Pacific Standard Time Stations
KGO. Oakland, Calif. (301.2m.830ks), 8:10 p. m., National Music wees; "The Mikado," comic opera; 10-12 mildinght, Mukaurs' Mikadoripmon, dance orchestra. KGW, Pertland, Ore. (491.3m.610kc), 6:7 p. m., concert; 10-12 mildinght, Herman Koniy, dance orcet; 1 

#### Sunday, May 9

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

Atlantic or Eastern Daylight Saving Time Stations
VGAE, Pittsbrein, Pa. (461,370-630ke), 10:45 a. m., Rodet Shatom temple; 4 (61,370-630ke), 10:45 a. m., Rodet Shatom temple; 4 (61,370-630ke), 11 a. m., VGAU, Philadelphia, Pa. (277,670-1636ke), 12 a. m., VGAU, Philadelphia, Pa. (277,670-1636ke), 12 a. m., VGAU, Philadelphia, Pa. (277,670-1636ke), 12 a. m., VGAU, Philadelphia, Philade menesera. WEAF, New York, N. Y. (491.5m-619ke), 10 a. m.: Holy Name society; 3-5 p. m., Sunday Radio service;

6-7-20. musicaly: 7.20-9:15, Capitol theater; 9:15-0:25. Atwarder Kent.

WEEL, Besten, Mass. (348.8m-860ke), 6 p. m., Jordan Merk. Besten, Mass. (348.8m-860ke), 6 p. m., Jordan Marsh Company's Sparkillan Diamonder; 7:20, WEAF; WFI., Philodelphia, Pa. (394.5m-760ke), 10:36 a. m., westen, Arch Street Presbyterian church. 30 a. m., Weaf, Frendstein Presbyterian church. 30 a. m., Weaf, Frendstein Marsh. (386.2m-800ke), 10:36 a. m., Weaf, Frendstein Marsh. (386.2m-800ke), 17:15 p. m., services. Budy Trivity Church; 10, musical programs of the Marsh. (386.2m-800ke), 17:15 p. m., services. Budy Trivity Church; 10, musical programs. Weaf, Marsh. (386.2m-800ke), 17:20 p. m., Wille, Philadelphia, Pa. (368.2m-800ke), 17:20 p. m., Wille, Philadelphia, Pa. (384.3m-800ke), 10:30 p. m., Wille, Marsh. (384.3m-760ke), 10:30 p. m., Wille, Marsh. (384.3m-760ke), 10:30 a. m., West. Marsh. (384.3m-760ke), 10:30 a. m., Wille, Marsh. (384.3m-760ke), 10:30 a. m., Stephen, Marsh. (386.2m-160ke), 11 a. m., stephen, Marsh. (386.2m-160

jorie Shaw.
WEBH. Chicago, III. (370.2m-810kc), 10:40 a. m., Seventh Church of Christ, Scientist; 7-8, artists' pro-

WHITE Chicago. III. (379.2m.si0kc), 16:30 a. m., Sercibl. Chuch of Christ. Scientist; 7-B., artists' proceeding the chicago. III. (302.2m.si0kc); 7-B., artists' proceeding the chicago. III. (309.2m.r50kc), 12 n.-11:30 p. m. Paul Rader (302.2m.si0kc); 7-B. m., Sanadsh yang affermon. cuncert; 16-S. program, Walter Freston, Hill. (302.2m.si0kc); 7-B. m., Sanadsh yang affermon. cuncert; 16-S. program, Walter Freston, Wild. (302.2m.si0kc); 7-B. m., Sanadsh yallow, artists' proceeding the chicago. III. (322.5m.si0kc), 7-B. m., Sanadsh yallow, artists' proceeding the chicago. III. (322.5m.si0kc), 7-B. m., Sanadsh yallow, artists' proceeding the chicago. III. (322.5m.si0kc), 5-B. proceeding the chicago. III. (322.5m.siokc), 5-B. proceeding the chicago. III. (322.5m.siokc), 5-B. proceeding the

orchestra; Mabel Griast, Venimes, and Ason-planist, MSAI, Clindinath, John (325,9m-920kc), 11 a. m., Ason-dale Alshiedlat Episcopal church; 7:45 m., chines; 8, Raddo seracenetic; 8:15, WEAP. 8 WS. Chirage, Ill. (275,8m-1090kc), 11 a. m., Moody church; 3:5 p. m., popular service; 7-8:30, creaning WTAM, Clieveland, Ohio (388,4m-770kc), 11 a. m., Trin-liv cathedrol.

TAM, Cleveland, Onlo (308.481-1/1081), Al. R. B., Sun-luy cathedra, Conn. (475.99-830ke), 7 b. m., Sun-day school perjod; 7:39, national mucio week program; All period; 7:39, national mucio week program; (W1, Detroit, Mich., 309.48), and period; News archestra; Presbyterian church; 2 p. m., Detroit News crocketts; 6:20, WEAF, 8:15, WEAF, m., Detroit News crocketts;

Central Standard Time Stations

KFAS, Lincoln, Nebr. (340,7m,480kc), 45 p. m., ves-legal control of the control

First Mannist choren; 5-9. program.

KFH. Weihlin, Kan. (267,761-120kc), 9-15 a. m., Biblia KFH. Weihlin, Kan. (267,761-120kc), 9-15 a. m., Cheman Millian, Chamber Mannist, M

KSD. Charinds, lows (241.8m-1240c), 11 a. m., First M. B. charings National Park, Ark. (374.8m-800kc), 17118. Het Springs National Park, Ark. (374.8m-800kc), 1712. J. D. m., St. Lutie's Edissopal church; 9:09-10, 1712. J. D. m., St. Lutie's Edissopal church; 9:09-10, 1712. J. D. M. S. Lutie's Edissopal church; 9:09-10, 1712. J. D. M. S. Lutie's Edissopal church; 9:09-10, 1712. J. D. M. S. Lutie's Edissopal church; 9:09-10, 1712. J. Chicago Sunday contine church; 9:09-11, chassical program. WMALT Part Worth; Texas (475.6m-830kc), 5:08-5 m. Corbestra.

Songer Education: 1:00 p. m., classical program; 9. WSE, Allands, Ga. (428.3m./20ke), 5 p. m., Inman Park Tresbytarian church choir; 7:30, Baptist Tabornacio serices.

WSM. Nashville, Tean. (282.3m./1968kt), 7:30 p. m., Pirts Prasbyterian church WSUI, 16wa City, 16wa (348.6m-620kt), 9:30 p. m., famillar hymns, Mrs. Lottle L. Volkmen.

Pacific Standard Time Stations

KFI. Los Angeles, Calif. (467m-642kc), 10 a.m., services; 4 p. m., Beverly Hills Community church choir; 7. Grebe and company program, string ensemble; 730. Jim., Jack and Jean tro; Gogo Belanger, soloist; 8. Acoltan organ rectata; 9. Ray GIII sand his Movicland KFI.

#### Sunday, May 9

Symopators; Lola Gill and Mort Denman and his uke; 10; Packard Six opthests.

KGO, Oakind, Gailf. (361.2m-930kc), 11 a. m., Trinity Episcopal clurch; 3:30 p. m., vssper; 7:45, Trinity Episcopal clurch; 3:30 p. m., vssper; 7:45, Trinity Episcopal clurch; 3:50 p. m., vssper; 7:45, Trinity Episcopal clurch; Gail, 5:m. (1984), 0:45-12 no. Church of Our Pather, Unitarian; 2:30-9, Piras President of Our Pather, Unitarian; 2:30-9, Piras Presidential Charles; 9:40-14, 5:45-1

#### Monday, May 10

Headliners Today

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

Atlantic or Eastern Daylight Saving

WCAE, Pittsburd, Pa. (461.9m-6506c), 6:30 n. m.,
dinner content; S. musicale; 9, concert; 10, grand opera;

WCAP, Washington, O. C. (468.5m-6406c), 7-8 n. n.,
studio programs; 8-9. WEAF, 9-10, WEAF,

WCAU, Philadeiphia, Pa. (277.5m-4000c), 7-80 p. n.,
Thomas, coprame; 8-30, WEAF,

Thomas, coprame;

WI, Detroit Mich. (352.7m-850ke), 6 p. m., dinner concert; 7, studio program; 8, WEAF; 9, Detroit News orchestra.

Central Standard Time Stations

concert; 7, studio program; 8, WEAF; 9, Detroit News orchestal Standard Time Stations

KFAB. Lineola, Nebr. (340,7m-860kc), 7:30-6-30 g, m., dinner concert; 8:30-10:30. Ed. Ellinquon, sondburd; Harriet Crisics, Origine of the Air, Master Sk of KFH. Wightla, Kans. (287,7m-1120kc), 7-8 p. m., indias' agusto, Nebr. (288,3m-160kc), 7-8 p. m., indias' agusto, Nebr. (288,3m-160kc), 7-9. in., indias' agusto, Nebr. (288,3m-160kc), 7-10 p. m., KFMF. Sheandesh, Iowa (285m-1160kc), 7 p. m., Seed compress:

KFMF. Sheandesh, Iowa (285m-1160kc), 7 p. m., Seed Compress:

KMA. Sheandesh, Iowa (285m-1160kc), 7 p. m., Seed Compress:

KMA. Sheandesh, Iowa (285m-1160kc), 7 p. m., Early Marchael Compression, 10 p. m., Kuchmert, 10 mix of program, biase cleft quartet.

KMA. Sheandesh, Iowa (285m-1160kc), 9-11 p. m., Respiration trip, Hore Du You Du Boy. Good, and the Compression, 10 p. m., 10 p.

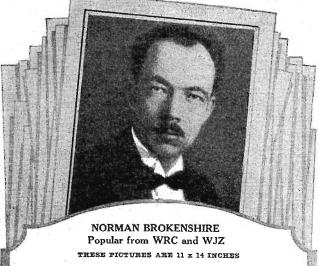
#### **Photogravures of Your Favorite Artists** GALLERY OF RADIO STARS

SUITABLE FOR FRAMING OR PLACING IN YOUR ALBUM

BY SPECIAL arrangement, Radio Digest is able to offer its readers a great oppor-tunity to secure fine photogravures of their favorite Radio stars at practically

In thirty to secure one protogravures of their account of the control of their Radio cans will be able now, by this very special of or, to have pictures of their Radio carliers and announcers before them when they listen in. All that is necessary to secure photogravures from the Gallory of Radio Stars is to send the coupon published each week in Radio Digest, accompanied by ten centrol occored to mailing and postage. Where a series of three photogravures is desired, it will only be necessary to send twenty-five cents and three consecutively numbered coupons clipped from Radio Digest. Romitance must accompany the coupon. Cash at your risk. Add 5 cents to personal checks for exchange.

COUPONS Only 10c Each -- 3 for 25c To cover cost of mailing and postage



#### **EDUCATIONAL FEATURES**

Monday

Atlantic Eastern Gentral Mountain Pacific
5:30 p. m. 4:30 3:30 2:30 1:30

WNYC (626m-570kc), German lessons, V. H. Berlitz. 5

| Content of the Cont

Tinesday
Atlantic Eastern Central Mountain Pacific
8 p. m. 7 6 5
4
WKAR (285.5m-1650kc), Nature study,
820 7:30 5:30 5:30 5:30
WBZ (333.1m-900kc), Journalista, Edward E. WhitIng. 10g. 115 8:15 7:15 6:15 5:15 1 Trelations.

"Felations."

"Fe

Chicago. 14:30 (0:30 9:30 8:30 7:30 KFMX (336,9:n-890kg), Carleton College Fine Arts.

Wednesday
Atlantic Eastern Central Mountain Pacific
6:30 p.m. 5:30 4:30 3:30 2:30
WNYC (525m-670ke), Spanish lesson, V. H. Berlitz.

Atlantic Eastern Contral Mountain Pacific, 7n.m. 8 Waz (1515)m-660ke), New York university. 1 8 Walson (147.5n-670ke), Lecture, Northwestern university 4.15 2.15 2.15 2.15

| State | Stat

Thursday

Atlantic Eastern Central Mountain Pacific
8 p. m. 7

WKAR (28.5.5m-1808c), Nature study sortes.

WKIR (28.5.5m-1808c), Nature study sortes.

WKII (28.5.m-20kc), Correspondence course,

(10. (18.4.m-780kc), Nature study talk, Prof. V.

W. Jackson,

KUOM (298.8m-1900kc), U. of Arkanssa.

KYOM (28.8.3m-120%c), U. of Johanna,

WMAQ (44.5.5m-670kc), U. of Chileaso.

Triday

Atlantic Eastern Central Mountain 630 p. m. 630 430 320

VNYC (559m-570ke), Preech lesson.

740 6-60 5-80 4-90 300

VGY (379.5m-700ke), Preech lesson.
740 6-60 5-80 4-90 300

VGY (379.5m-700ke), Preech lesson.
745 6-45 5-45 3-45 3-35

WTIC (473.9m-630ke), Cartoon Jessons, Bud Kingston.

ton.
0:15 8:15 7:15 6:15 5:15
KDKA (309,lm-970ke). U. of Pittsburgh.
11:15 10:15 9:15 7:15
KWSC (348,0m-860ke). State Cellege of Washington. ington. 11:45 70:45 9:45 8:45 7:45 KOAC (230.2m-1070kc), "Geology," D. C. Liv-

WEAF, New York, N. Y. (491.5m-610ke), 4-12 mid-nisht. Hermory Martins, tenor, sonrann; Mary Love-ridge Robbins, sonrano; Mabel E. Deegan, vininist; Hotel Watther-Astoria; A. and P. Oppes, Flaters; Weaffer and Opera company; Ben Bernie

idiga Robbins, soprano; Matel E. Deegan, delninter, Holei Walter-Asternia; A. and P. Gypiets; Purit Flahrers; WEAF Grend Opera company; Ben Bernie Wel, Philadelphin, Pe. (394,5m-780ke), 6:20 P. in., Beitewe Stratered concert cerebastra; 7. Bellevue Stratered Concert cerebastra; 8. Belt Stack and friends; 0. popular procram, Wheats division, Genaral Lee Cream company; 10. Analoret cheral citie; 1. Vincent Lopes Bengins (1998), 10. Beng

Eastern Standard or Central Daylight
Saving Time Stations

KDKA. Pittsburgh. Pa. (309.1m-970ke). 9 p. m., Ruud
Light Opera hur.
WABB. Haverlord. Pa. (261m-1150ke). 11 p. m., Ardmore thester propagum.
Westerstind program. Mrs. Brank Delemater; la. Joy,
pianist.

wHAZ, Troy, N. Y. (379.5m-790ko), 8:30 p. m., con-cert, Troy conservatory of music; 9:30, dance or

cert, Trey conservations of many con-chestra. WLW, Cincinnati, Ohio (422.3m-710ko), 7 p. m., con-cert, Hotel Gibson orchestra; 8, Crosley Little sym-phony orchestra; malo quartet; 10, Henry Thuis' oreinestra.

WOOO, Grond Rapids, Mich. (241.6m-1240ke), 9-10 p. m., classical concert; 10-11, "The 18ey to the Door"; 11-12 midnight, "17th Waedulle."

WSAL Gliefinath, Ohio (325.9m-920ke), 10-12 midnight.

WSAI, Cheinnatt, Onio (322-399-4900); Li montaini, unisciale, unis

WOAW, Omeha, Nebr. (\$28m-\$70kc), 6:26 p. m., popular song period, Frank Pelesani, tener; Relen Higgins, pianist; 6:30. Randall's Royal Fontanelle orchestra; WSM, Mastwills, Fan. (\$22.2m.1050kc), 7 p. m., Beasley Smith's orchestra; 8, Mrs. Clarence Sutherland; 10. VIto Pelelutierl and his orchestra. WSMB, New Orleans, La. (\$19m-940kc), 9:30-12:30 s. m., Dixola orchestra. Strand orchestra. WSUI, Iowa City, Iowa (\$35.6m-\$20ke), 8 p. m., faculty program.

Pacific Standard Time Stations

KFI, Los Angeles, Calil. (467m-562ke), 5:30 p. m., mathee program: 6:30, Vest Pecket program: 7, Owen Fallon and Ins. California, G. Hayden (1997), 1997 (1

orehostra. KTAB, Oakland, Calif. (239.9m-1250kc), 8-10 p. m.. concert. KWSC, Pullman, Wash. (348:6m-860kc), 7:15 p. m., wonce's league, State college.

#### Tuesday, May 11

Headliners Today
Atlantic Eastern Central Mountain
KFATP (285m-1140kc), Elswalian muslc.
9-300 8-300
KDAKA (2003.m-970kc), Oratoric evening.
10-0071. (277.6m-1880kc), Bobenhan prozram.
WGN (309.8m-990wc), "Peer Gynt,"
10-0071. (277.6m-820kc), Unickele songuers.
10-008. 11-008. 5:30

ions silent tanight refer to first Tuesday's list

Atlantic or Eastern Daylight Saving

Time Stations

WGAE, Pittsburgh, Pa. (461.3m-650ke), 8:30 p. m.,
dinner concert; 8-11, WEAF; 10, WEAF; 11:85, Kendinner concert; 3-11. WEAF; 10. WEAF; 11:05. Ken-yon theater.
WCAU, Philadelphia, Pa. (277.6m i 089kc), 7:30 p. m., Smellenburg instrumental tric; 8. theater digest, Abo. Lipschutz; 8:10. The Three Brothers; 8:43. populos songs; 9. Robert Frazer, bilmi gospel sineer; 9:30.

#### Select Your Favorites from the Gallery of Radio Stars

1 Wendell Hall, king of ukulele dittles

2 Graham McNamee, 1925 Gold

3 Jack Little, popular wandering balladist 4 Billy B. Van, the Sunshine Man

5 Coon-Sanders' "Nighthawks" at KYW 6 George Hay, 1924 Gold Cup an-

7 Harmony Girls, Edith Carpen-ter, Grace Ingram

8 Ford and Glenn, Lullaby Boys of WLS

9 "Roxy" Rothafel of WEAF chain fame 10 The Hired Hand, famous "Sub-stitute Announcer" of WBAP

12 Bob Emery, Big Brother of WEEI

13 "Bill" W. G. Hay, ex-KFKX, now of WLIB

14 Happiness Boys, jovial singers

15 Lambdin Kay, "Little Colonel" of WSB 16 Leo Flizpatrick, "Merry Old Chief," WJR

17 Henry Field, 1925 Gold Cuprunner-up

18 Al Carney, organ favorite at WHT

23 Art Gillham, "The Whispering Pianist"

25 Harry Ehrhart, "Dream Daddy" of WLIT

26 Correll and Gosden of "Kinky Kids Parade" fame, at WEBH and other stations.

27 Norman Brokenshire, popular at WRC, WJZ

29 Jane Novak, Blues Singer of Twin Cities, WCCO

30 Jean Sargent, the original, now at WHT

31 Ralph Emerson, popular organ-ist at WLS

32 Edna Adams, of KPRC

33 Pat Barnes, vaudeville an-nouncer at WHT

38 Walter Wilson, "Uncle Bob" of KYW

40 Ray-O-Vac Twins, known country-wide 41 Art Linick, KYW's Mrs. Schla-genhauer

42 Fred Hamm of WTAS, now WLIB, fame

43 Meyer Davis' Le Paradis or-chestra of WRC

46 D. R. P. Coats, 1925 Silver Cup

47 Gene Rouse, WOAW's popular announcer

20 Vincent Lopez, No. I Pennsyl-vania orchestra 49 Iris Ruth Pavey, KOA's invis-ible stage beauty 21 E. L. Tyson, pleasing voice at 51 Ipana Troubadours, on the WWJ

Have the Pictures of These Stars

#### Send Coupon Now

Your radio set gives you these voices.

These pictures add very much to your complete entertainment.

ACT TODAY

#### COUPON NO. 19

This coupon entitles the holder to one photograture selected from the Radio Dieses Gallery of Radio Stars when accompanied by tent cents to pay the rost of mailing and postage. Three con-secutively numbered empone entitle the holder to three photo-gratures when accompanied by 25 cents. Rentitance must ne-commany the coupon. Cash at your risk. Add 5 cents to per-sonal checks for exchange.

RADIO DIGEST PUBLISHING CO. 510 N. Dearborn St. Chicago, Ill.

#### Tuesday, May 11

Estiter Lawrence and ter Players; 10, Estite Malle and Denny Dougherts, popular snegg; 10:30, 2011; Hayes and the Cathay Yee Cartein dance orienstra. We have a similar to the control of Esther Lawrence and her Players; 10, Eddie Mallo and Danny Dougherty, popular songs; 10:30, Billy

chestra. WOO. Philadelphia, Pa. (508.2m-590kc), 7:30 p. m., Adelphia dance orchestra.

Eastern Standard or Central Daylight

Saving Time Stations

KDKA, Pitthurgh, Pa. (309.1m-70%c). 5:30 p. m., KDKA, Pitthurgh, Pa. (309.1m-70%c). 5:30 p. m., KDKA, Little Symphony orchestra; 8:30, oratorio evenetic, Grant theater symphony orchestra; 1:15c, one-cit. Grant Grant Symphony orchestra; 1:15c, one-cit. Grant Grant Symphony orchestra; 1:15c, one-cit. Grant Gr

180 voltages, institute; WHEO string two; infinight sunberce; Lot Chicago, Ill, (225.5n-910k), 9-1 a. in. Chu Chez Pierre; Earl Reffman orthestric, Plora revenerable properties of the properti

WMAQ. Chicago. III. (447.5m-570ke). 6 p. ub. organ; 6:30. Sheetz Hatel LuSalie orchestru; 9:20, pingran; 9:25. chilage. Rapids. Mich. (241.5m-1240ke). 9:11 WOOD, Grant Rapids. Mich. (241.5m-1240ke). 9:11 WOOD, Grant Rapids. Mich. (250.5m-250ke). 9:11 WOO, Chicago. III. (447.5m-670ke). 7:5 p. m. dinner concerts of the chicago. Mich. (250.5m-250ke). 9:11 Serverts George Onic Librolom Schurch; Nose Vanderbosch; Evrets George Onic Librolom Schurch; 12. Chinger hour.

posnati: 12-1, Hotel Rithmond Winter Gavden orches-WSAL Clasticnati, Ohio (25.5m-2004b, 5 n. m. cut-light hussicale: 7, WEAF; 7:30, musicale: 8, WEAF; 9, outertainment; 0:30, Hawaiian musical program. WSWS, Chiengo, III. (275.5m. 1090kc), 8 p. m. Ter-quattet: Terrae Gatton-Fusion eritatis; 9, Skylant WTAM, Cleveland, Ohio (389.4m-770kc), 6-7 n. m., dinper music, Guy Lomured and his Royal Caudduns, WWI, Detroit Mill. (352.7m-350kc), 8 p. m., dinner concert; 7, WEAF.

Central Standard Time Stations

KFAB, Lincoln, Nebr. (340.7m-889kc), 5:39-6:30 p. m., dinner concert; 8:05-10:30, University of Nebraska.

RFAB. Lincoln, Nebr. (240.7m.8806c). 5:30-6:30 p. m. ditanse concert; 5:80-10:30. University of Nebrasia.
KFDM. Beaument, Texas (315.5m.950kc), 8-9 p. in., Magnolal Petroleum company's Relineur prefestar; 9-10. Southern Rumbiters' orchesics.
GFM. Welstin, Kans. (257.7m.+120kc), 7-8 p. in., Magnolal Petroleum company's Relineur prefestar; 9-10. Southern Rumbiters' orchesics.
KFM. Discourse (263m-1140ke), 7 p. in., Magnolal Rumbiters' (252m.150kc), 8-30 p. in., Ribbit stors. 'Jean's Gues Un Into Heaven'; editor duct, Mr. and Mrs. Zalautek.
KMA, Shenandach, Jowa (257.6m.1600kc), 6-11 p. in., Magnolal Bluffs, 10-252m.150kc), 0-11 p. in., Magnolal Bluffs, 10-252m.150kc), 0-11 p. in., Magnolal Bluffs, 10-252m.150kc), 6-11 p. in., Magnolal Bluffs, 10-252m.150kc), 6-125m.150kc), 6-125m.150kc

Harry E. Shults, barttone; University give club quartet.

KYW. Chicaga, Ill. (333-4m-569ke), 5:390-6 n. ... dliner convert [9-7, American studio, 7:40-8, Congress carriage 9:30, classical convert; 9:30-10:30, Congress carriage 9:30, classical convert; 9:30-10:30, Congress carriage 9:30, classical convert; 9:30-10:30, Congress carriage 9:30, classical program, 6:30ke), 6:30-3-30, p. m., School of Music, Studiwestern Bapitals sominary; 9:30-11, classical program, 6:30ke), 6:30-3-30, p. m., Jumine lay's orchestra, 8:30-9:30, Southern Madiedial Duiversity faculty musicalas; 11-12 midmight, Jack Gardiner's orchestra, 8:30-9:30, Southern Madiedial Cardiner's orchestra, 8:30-9:30, Southern Madiedial Cardiner's orchestra, p. 10-12 midmight, Jack Gardiner's orchestra, p. 10-12 midmight, Jack WBBF, Evansaville, Ind. (236-im-1270ke), 7:30-3 p. m., owness, Edde Russon and his concent orchostra.

WHAS, Louise Olly, Me. (355-6m-620ke), 7:30-3 p. m., owness, Edde Russon and his concent orchostra.

winds, Louisville, Ky. (359,5m-750kc), 7:30-9 p. m., conceut, Eudic Russons and his concent rechestra.

What a state of the concentration of the concentrati

Pacific Standard Time Stations

Pacific Standard Time Stations
KF1, Las Angeles, Gailf. (407m-642ks), 3:30 p. m., prourasu. Ularles Benedampr. 5:38, Varien Neal Reformance Control of the C

subsist.

KPSN, Pasadena, Calif. (315.6m-959ke), 8-0 p. m.,
Adolf Intidler instrumental group,

KTAB, Dakland, Calif. (239.9m-1259ke), 8-0 p. m.,

colarational program. Mitts enlages.

#### Wednesday, May 12

Headliners Today

Atlantic or Eastern Daylight Saving Time Stations

WOAE, Pittsburgh, Pa. (461.3m-650kc), 6:30 p. m. dinner concert; \$-3, WEAP; \$ Reamer's processing the concert; \$-3, WEAP; \$ Reamer's processing WCAU, Philadelphia, Pa. (277.6m-1690kc), 7:30 p. m. rectical, N. Snolemburg and constant; \$150, 50c Murphy, planist; \$150, Clarence Seamen and his Pennsylvanis, \$150, Clarence Seamen and his pennsylvanis, \$150, Clarence Seamen, \$150, Clarence Seamen,

estophone octol; 19ana 1995-2007.

When Philadelphia, Pa. (20-5.m.730ke), 6:30 p. m.

Ballevue Strationt concert orchestra; 7. Bellovue Stratford dance orchestra.

GR. Burlato, N. Y. (319m-940ke), 6:10 p. m., Natubow

GR. Burlato, N. Y. (319m-940ke), 6:10 p. m., Natubow

GR. Burlato, N. Y. (319m-940ke), 6:10 p. m., Natubow

GR. Burlato, N. Y. (319m-940ke), 7:10 p. m.

Burlato, N. Y. (319m-940ke), 7:10 p. m.

Gram, foaturing Henrietta Hacker; 11. Obmite dance

Gram, foaturing Henrietta Hacker; 11.

orchestra.

WIP, Philadelphia, Pa. (598.2m-590kc), 6:05 p. m.,

Bentauth Franklin concert orchestra.

WIAR, Providence, R. (305.9m-530kc), 7:30 p. m.,

WIAF; 9, musicalu; 10, tabloid play.



Why Dr. Owens Specified JEFFERSON AL Sealed Transformers

Dr. Owen of Oklahonia University selected the Jefferson A L Sealed Transfomer for his new super-torodyne circuit, described in Ra-dio Digest, for the following rea-

Nicety of balance, giving even amplification at low frequen-cies, and preventing resonant peaks at the higher frequen-cies.

Tests show a practically straight line curve from 30 cycles for the low notes up to 10,000 for the high.

Heavy insulation throughout, lowering resistance between the primary and core.

Can be used with the new power tubes.

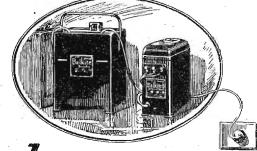
This transformer is SEALED IN A METAL CASE, insuring protection against moisture and other outside influences.

Ratio: 2 to 1; price \$6. Sold by Ratio: 2 to 1; price 30. Sold by leading dealers. It your dealer does not have Jefferson A L Transformers in stock, do not be satisfied with a substitute, but write us direct.

Jefferson Electric Mfg. Co. Chicago, Ill.



Specialists in Electrical Precision Equipment



## Noiseless – full radio power from the light socket with Balkite "B" and Balkite Battery Charger

Noiseless, full, reliable radio power. It is absolutely essential to good reception.

With Balkite "B" and the Balkite Battery Charger you can have this power, always, whenever you need it, from the light socket.

Balkite "B" at \$35\* is unlike any other "B" device. It replaces your "B" batteries and supplies plate current from the light socket. It is entirely noiseless. It does not require replacements and will not deteriorate with use. It will outlive 20 sets of "B" batteries, To our knowledge not one has ever worn out. It is tested and listed as standard by the Underwriters' Laboratories. It is absolutely guaranteed to give satisfaction. Today over 75,000 Balkite "B's" are giving satisfactory service on all types of receiving sets.

The popular high-rate Balkite Battery Charger at \$19.50\* is absolute insurance against weak "A" batteries. Because it is entirely noiseless it can be used while the set is in operation. If your battery should be low you merely turn on the charger and operate the set.

Add these two permanent Balkite Radio Power Units to your set now. Thereafter you need never again worry about your power supply. Ask your dealer. \*Prices slightly higher West of Rockies and in Canada

Radio Power Units

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

#### Wednesday, May 12

W1Z, New York, N. Y. (454.3m-660ke), S.n. m., Importal limps; 8:30, Lowissolm free etiamber music; 10:45, George Olsen's Pennylymain grill orchestra. Arm. Lift., Philadelshia, Pa. (394.5m-760ke), S.n. Armedia and Companylymain and the state of the stat

#### Eastern Standard or Central Daylight Saving Time Stations Pittsburgh, Pa. (309.1m-970ke), 8:30 p. m.

RDKA. Pittsburgh. Pa. (399.1m-370kc). 8:30 p. m. concert.

WBM. Chirago, III. (225.4m-1330kc). 8:10 p. m., popular period; 13-2 n. m., Alonilis orderlexia.

WEALT: 8-10. WEALT: 6-66.3m-610kc). 7-10 p. m., popular period; 13-2 n. m., Alonilis orderlexia.

WEBH. Chirago, III. (370.2m-810kc). 7-2 n. m., Obstantis orderlexia.

WEBH. Chirago, III. (370.2m-810kc). 7-2 m. m., Obstantis orderlexia.

Bordner; Lawrence Saleron, 11-12.30 n. m., Oliola orderlexia.

WEBH. Chirago, III. (370.2m-810kc). 7-2 m. m., Obstantis, Senita orderlexia.

WBN. Chirago, III. (370.2m-80kc). (345-735 p. m., WBN. Chirago, III. (370.2m-80kc). (345-735 p. m., Universitéed program; 130c. Dantider, Loron, Marion Boffman, Johnston, MBN. Chirago, III. (370.2m-80kc). (345-735 p. m., WBN. Chirago, III. (370.2m-90kc). 7-10. m., Bernhey concert; 15-10-14. Sam 'n Menry; 10-10-10-20, studio music; 10-20-1; musical program; 10-10-20, studio music, 10-20-20, studio music, 10-20-20,

club. WIID. Mooseheart, III. (370.2m-810ke), 8-9 n. m., Mooseheart children; 10-11, Palmer House Victorians; Isabel Defaut; Simeon Oliver; 12:30 n. m., settin' up

heur. Chicago. III. (302.8m-990ke), 7:20-7:30 p. nr., Old Fashioned Almanack; 11-11:20, songs, Correll and Gosden; 11:29-12:30 n. nr., ensemble, Charlev Straight's Rendezvous cafe orchestra; Drake hetel dance

Gosden; 11:26-12:30 à. u. . enzemble, Charley Straight's Rendersons and orchestra; 12:78te brete dance with the control of the

ford Saengerblina, Gaudet, planist: 8:30, Esther Newui, Gaudet, planist: 8:30, Esther Newui, Light opera, program, (352,7m-350ke), 6 p. m., dluner Wi, Dertel, Mch., 252,7m-350ke), 6 p. m., dluner Charles (1987), 7:30, orchestra; 8. WEAF; 9.

#### Central Standard Time Stations

CNRW. Winnipeg. Canada (384.4m-780kc), 9 p. m., choral society; 10, Supper-Dance club. KFH, Wichita, Kans. (267.7m-1120kc), 7-8 p. m., classical conject. KFKX, Hastings, Nebr. (288.3m-1840kc), 9-11 p. m., Lincoln program.

KFNF, Shenandoah, lowa (263m-1140ke), 7 p. m., Henry Field Seed company.

(FUO, St. Louis, Mo. (545.1m-650ke), 0.15 n. m., ouestion box; Shall Wo Keep tha Old Testament Sabhath? Ford, J. Affelber; mustcal program, Concordia histomental quartes.

General Street, S. Maeller; musteal program, Concordia hystrometal quartur.

KMA, Shenandesh, lowe (252m-190ke), 9-11 p. m., popular musteal program, Concording the Street, S remc. Berrien Springs, Mich. (285.5m-1050kc), 8:15 p. m., Gladys McCollis, ptanist; boWitt Smith, ptanist; Hoosier male quartet; Mrs. A. Hendelman.

reader.
WHAS, Louisville, Ky. (399.8m-750kc), 7:30-0 p. m. concert, Jako Seligman and his Kentucky Night Ovis.
WHB, Kansas City, Mo. (385.6m-820kc), 7-8 p. m., Alma Nash, banjo orehestra; 10:30-11:30, midwesk musicalo program.

Alma Nash, barilo orchestra; 10:30-11:30, midweek muttaled program.

WHO, Drs Meines, love (326m-370ks), 6-7 p. m. Bankers Life Little Symphonic orchestra; 7:138-816 Irene Doran and her Hidda symphonic protestra; 7:138-816 Irene Doran and her Hidda symphony orchestra; 8:16-9, Kata Miller, whistler; Maude Hughes, accompanist; Barry Levis, populor sone soldest; Notonan Briodolin, plantst; 9-12 middlight, decked, 5m-760ke), 8:30 p. m., Army alght. Texas, (360-5m-760ke), 7 p. m., Bearth State Control of the Stat

#### Pacific Standard Time Stations

KFI, Lee Angeles, Calif. (487m-842ke), 5:30 p. m. Carl Alleuts Hollywood orchestra; 5:30, Betty Polo, Bok Gilbert; 7, Grobo and company program, string en-samble; 7:30, Nick Harris delective stories; 8, Vir-ginia Filohri, supraor, Robert Hard, henry 'entura string quartet; 0, Helno Ouellette, tenor; 10, popular urogram.

string quarter, 0, 2000 program (MGW, Portland, Gre. (46).5m-610ke), 6-7 p. m., dinner concert. 3-0, concert. 9-10, crocal and instrumental concert. 3-10, crocal and instrumental concert. 1-10, crocal and company. KDAC, Carvallis, Ora. (280.2m-1070ke), 7:20 p. m., pilno solos.
KTAB, Oakland, Calif. (239.9m-1250kc), 8-10 p. m., smcram.

program, wash. (348.6m-860ke), 7:15 p. m., KWSC, Pullman, Wash. (348.6m-860ke), 7:15 p. m., sax ducts, Vincont Hiden, Ed Chitienden; Inky Hen-neberg, hanjoist; Swede Danlelson; Norman Benson, rocalist; Brun Greene, reador.

2445251-44674

#### Thursday, May 13

#### Headliners Today

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

CAE, Pittsburgh, Pa. (461.2m-650kc), 6:80 p. m., din-ner concert; 8, concert; 8:30, WEAF; 9, WEAF; 10, ner concert; 8. concert; 8:30, WEAF; 9, WEAF, 10, WFAF, WFAF, WA, WFAF, WA, WFAF, WA, WFAF, WA, WFAF, WA, WFAF, WA, WFAF, WFAF

ford dance orchestra; 8-11, WEAE. Wines Wi

#### Atlantic or Eastern Daylight Saving Time Stations

WFI. Philadelphia. Pa. (394.5m-780kc). 6:30 p. m., Bellevie Stratford concert orchestra; 7, Bellevie Strat-ford dance orchestra; 8-11, WEAF.

son-Esser orchestra; 9-11, WEAF, WIZ, New York, N. Y. (454.3m-666kc), 7 p. m., Hotal Vanderbilt orchestra; 9, Royat Typewriter Salon orchestra; 10, Record Boys; 10:30, Hotel Astor Orangerie orchestra.

chestra; 10. Record Boys; 10:30, Hotel Asior Orangenie orchestra; #00. Philadelphia, Pa. (508.2m-590ko), 7:30 p. m., Adelphia dance orchestra. Eastern Standard or Central Daylight

NO. "Philadelphia. Ps. (308.2m-590ke), 7:30 p. m., Adelphia dance orchestra. Eastern Standard or Central Daylight Saving Time Stations

Roka, Pittsburgh. Ps. (309.1m-570ko), 8:30 p. m., half hours with famous composers; 0, 01d Fashioned queriet; 11, concent composers; 0, 01d Fashioned queriet; 11, concent (222.4m-130ke), 8:10 p. m. princt; 10:303. M. Noss (owered melody princt; 10:303. M. Noss (owered melody princt; 10:30-11, Alemite orchestra, artists; 11-12 midnight dime profes; 10:10:334, Moss (owered melody princt; 10:30-11, Alemite orchestra, artists; 11-12 midnight dimeroprofes; 10:10:31, Moss (owered melody princt; 10:30-11, Alemite orchestra, artists; 11-12 midnight dimeroprofes; 10:10:31, Moss (owered melody princt; 10:30-11, Alemite orchestra; Marion Lee, reader, districts; 10:10:31, Moss (owered melody) and the control of t

WSW2 Oknow III. (22.5 m. 1090 ke), 7 n. m., orchestra, WSW2 Oknow III. (22.5 m. 1090 ke), 7 n. m., orchestra, 10-12 minist, Recky MI, malo quariot. Terraco Garden Five. Alfred Hoholt, Recky MI, malo Quariot. Terraco WTAM, Cleveland, Ohio (389.4m.-770 kc), 0-1 n. m., Austin Write's orchestra. WTIC, Hartford, Conn. (475.9m.680 kc), 5:50 p. m., Bond trib.

trio. WWJ, Detroit, Mich. (352.7m-850ke), 6 p. m., dinner enneert: 7. WEAF.

cert; 7, WEAF.

Central Standard Time Stations
, Wichita, Knn. (267.7m-1120kc), 7-8 p. m., Ameri-Legion quarker.

F. Shenandesh, lowa (263m-1140kc), 7 p. m., old-ne music. Kern Legion and Control (2007). The No. 1120(E), 7-8 h. m., Americal Control (2007). The No. 101-101 massic (2007). The No. 2007 massic (2007) mass

Edilic Collins Reinbow orchestra, Figur Dign in accody and Jasz. ex. (475.9m.636ks), 6:30-7:30 p. m., Jimmy Joy's orchestra; 8:30-9:30, Mrs. J. Shangler, singer; Clara Dargan, planist, WAS. Louisville, Ky. (398.m.750kc), 7:30-0 p. m., mixed vocal and Instrumental concert. WHS, Kanasa, City, Mo. (355.5m.620kc), 7-8 p. m., almost hour concert; 5-9, Editit Gregg and her King La structure.

neater orchestra.

Mountain Standard Time Stations

RC, Calgary, Canada (435.8m-688ke). 9 p. m., ornestra; Gladys Webb Fostor, riollalst; Mrs. A. N.

edger, subolst.

CRC, Calsary, Oannda (435.8m-888ke). 9 p. m., v. p. composition of the composition of the

#### Friday, May 14

#### Headliners Today

Atlantio Eastern Central Mountain 9:30 p. m. 8:30 7:30 MMO (528m-570kc), Sigma Alpha lota program. 

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

Atlantic or Eastern Daylight Saving

Time Stations

WCAE. Pittsburgh, Pa. (481.3m-550ke), 6:3n p. m.,
Ultimer encert; 8, Mozart choir; 0:30, WEAF; 10:36,
WEAF.

#### FARMERS' PROGRAMS INDEX

#### Farmer Dinner Concerts

Daily Except Sunday CENTRAL TIME KFNF, 12:15-1:35 p. m. KMA, 11:30-12:30 KSO, 12:30-1:30 p. m.

#### Saturday, May 1

#### Sunday, May 2

Atlantic Eastern Contral Mountain Pacific 4:30 p. m. 3:30 2:30 1:30 12:30 WFAA (475.9m-630ke), Sunday hour for farmers

tato Crop. 7. 6 5. 7. 100 Care 1. 100 Care

Tuesday, May 4

Atlantic Eastern Central Mountain Pacific I p. m. 12

1 p. m.

Federation. 10:39 8:30 7:39 6:30 KOA (322.4m-930ke); Farm question box.

Wednesday, May 5

Allinalic Essers Central Mountain Paolife 19. m. 12
19. m. The control of the co

of Some Insect Pests of the Sensus."

Thursday, May 6

Atlantic Eastern Central Mountain Pacific 10

WRC (688.5m-690kc), Pitty farm flashes. 215

WOC (483.5m-690kc), Pitty farm flashes. 10:15

WOC (483.5m-690kc), Allotta—Harvesting the Pitts Year. 45

WOC (483.5m-690kc), Allotta—Harvesting the World (270-110kc), Farm school. 10:45

WMAQ (447.5m-670kc), Redio farm school. 10:45

WMAQ (447.5m-670kc), Redio farm school. 10:45

WMAQ (447.5m-670kc), Parm coust. 3:33

S.33

S.33

S.33

S.34

S.35

S

Friday, May 7

Atlantic Castern Central Meentain Pacific 10. m. 12. 10 9

WKC (488.5m-4040c). Fifty farm flashes. 12. 115 115 1115 1105 120. 15 WOC (488.5m-8040c). Special Parm Service Day, KTES (378.4m-8040c). Parmers' Radio Chautau-

Atlantic Eastern Central Mountain 9:15 p. m. 8:15 7:15 6:15 KSO (2:12:n-12:40kc), Farm talk. 9:30 8:30 7:30 6:30 WOC (483.6m-620kc), Question box. 5:30 9:45 8:45 7:45 6:45 5:45 WCCO (416.4m-720ke), Parm lecture. 11:15 16:15 9:15 8:15 7:15 KWSC (348.5m-800ke), "Harnessing the Streams." Saturday, May 8 Sunday, May 9 Atlantic Esstern Gentral Mountain Pacific 4:30 p.m. 3:30 22:30 1:30 12:30 WFAA (475.9m-639kc), Sunday hour for firmers.

Monday, May 10

Atlantic Eastern Central Mountain Pacific In. 12

12. m. 42

WIC (488.5m.-640ke), Pitty farm flashes, 12

13. f. 15

13. f. 15

13. f. 15

14. f. 15

15. f. 15

\$135 \text{Color of the Color o

Tuesday, May 11 Atlantic Eastern Central Mountain Pacific AMBRUE BASTERT CENTRAL MOUNTAIN Pacific Le. III. 21 10 9 WRC (1488.5m-4040.1) 10 9 WRC (1488.5m-4040.1) 15 10 45 1 10:30 9:30 8:30 7:30 6:30 KOA (322.4m-930kc) Farm question box.

Wednesday, May 12

Atlantic Eastern Contral Mountain Pasific

Vice (468.26..40466.) Fifty for dashes, 230

2.30

WEAA (475.56..6306.) Sears-Roebuck Agricultural program. WEAR (\$70.9m-590Kc), Sears-Rocolond Agricultural 2-246 https://doi.org/10.1008

Thursday, May 13 Eastern Central Mountain Pacific

#### CLASSICAL CONCERTS INDEX

WOAW, WOK, WRC.

| WRAW, WOK, WRC.
| WRAW, WRY, WRIBE, WRY, WEBR, WRS, WRIBE, WRYC, WOAW, WOJ.
| WRAW, WRIBE, WRYC, WOAW, WOJ.
| WRIBE, WRIBE, WRIBE, WHAS, WIP, WRIBE, WR WOC, WORD 12 m. 11 KGO. 1 a. m. 12 m. WOAW. - 11

Sunday

Atlantic Eastern Centrel Mountain Pacise
7:20 p. m. 6:20 5:20 4:20 3:20
WCALE, WCALU WEAF, WEEL, WJAR, WJAZ,
WJAO, WWJ,
WJAO, WWJ,
WAND, WBZ, WEAR, WCAL WEAR, WIAZ,
WJAY, WSAC, WG, | WALC, WALC ŔŇX.

#### Monday

MODIAY

Atlantie Eastern Central Mountain Preife
7, p. m., 6
7, p.

#### Tuesday

WTIC. 9

RPDM. RFOA. RGO. KHI, 7

KLDS. KYW. WGAE, WCBD, WCCO, WEAP, WEIL, WOR. WHAP, WEIL, WOR. WHAQ, WOC. WORD.

Wednesday
Atlantic Eastern Central Mountain Pacific
P. M.
Wex. WREO. WWA 6
KGO, WEAR, WHAD, WJR. WMAQ, WOK,
WYTC. 

#### Thursday

WTIC. 9 8 WEAP, WCAE, WCAU, WCBD, WCCO, WEAF, WEEL, WOR, WHAR, WHAS, WALZ, WNYC, WOC, WORD, WCC, WSAL, WSE, WTIC, WNYC, WOC, WORD, WSAL, WSE, WTIG, WALZ, WNYC, WALZ, WNYC, WALZ, WNZ, WALZ, WNZ, WALZ, WALZ 

WEBH, Chicago, III. (370.2m-810kc), I. p. m., Osborn's orchestra's Eternard Weber. Pauline Sanks; 2015, Osborn's orchestra's Eternard Weber, 11-12,20 m. in, Orriole cortestra', Irena Bessley; Day and Knight, Ordine Greatestra', Irena Bessley; Day and Knight, m., diversified preparate; old-time dute, Mr., and Mrs. Charles Waller. W. (302.2m-30kc), 0:15-0:35 m. m., WeB., Chicago, M. (302.2m-30kc), 0:15-0:35 m. m., Grand Charles, Grand Charles, Grand Charles, Blackstone strine quinted, request pragram; 8:30-9, musical program; 9:30-30, WEAF; 9:32-91, Planton violity, 10:10-10. Sam in Henry; 10:16-10-20, musical program; 9:30-30, the play shopt 10:10-10.

vfolin; 10-10:10. Sam in! Henry; 10:16-30:20, mn-shed program; 10:20-10:28, the play shop; 10:10:41, musical program, essemble. WH7, Chicago, III. (399.8m-750kc), 7 p. m., Al Car-ney, organist; Richer Rauh, plantist; 7:50-Ray-O-Vac concert; 8:45-10:13; (288m-1506kc), Chiercella, cato or-colorist, 10:50 (398.8m-750kc), Sunbeam Ghist; 11:05, 20-20. Sunbeam Ghist; 10:20 (200.8m-150kc), Chiercella, cato or-leasune.

cinetri; 10.30 (200 km-75mic), Sunheam Cibi; 11.45. Lotts half-lour persentation; 12 midmitt, your bour learne. Lotts half-lour persentation; 12 midmitt, your bour learne. WH80. Chicapa III. (225 4m-1398e); 6-8 n. m., Elde W180. Chicapa III. (225 4m-1398e); 6-8 n. m., Elde W180. Chicapa III. (225 4m-1398e); 6-8 n. m., Elde W187. Chicapa III. (229 m-910ke), 9-1 a. m., damed morram, Clab Cher Pietre; Ent Hoffman orchestra; W170. Chicapa III. (229 m-910ke), 9-1 a. m., damed morram, Clab Cher Pietre; Ent Hoffman orchestra; W180. Chicapa III. (230 m-910ke), 7-15-7-20 p. m., wise by children; 10-11. Senator Marold C. Kessinger; Palmer Hosse Victorians; 12:30, extint up bour. Will, Chicapa III. (382 2m-990ke), 7-15-7-20 p. m., The Million Sing; 7:40-7-30, 010 Fastismad Albanavit, rell and Gorden; 11:20-12:30 a. m., ensemble; Charley Straight's Rendezvous cert criebasta, protab hate converted the converted of the conve

Central Standard Time Stations

Lighthouse choir; Rhea Yeager, cellist; Mattland All-red, tenor; 9:45, Percy Augustine, tenor.

red, tema; 9:45, Petry Augustino, temo; WFAA, Dallas, Tex. (425, 58m.-530ke), 0:30-7:30 p. m., Foxtrottars orchestra; 8:30-8:30, Priest family rectifal. W68F, Evanswille, 1nd. (238, 1m-1270ke), 7. p. m., A. L. Maxwell company; 8, Evanswille college musical program.
WHAS, Leuiswille, Wy, (399, 9m.-750ke), 7:30-9 p. m., concet, Louiswille fusiles and Radio company, WHB, Kanasa Gity, Mo. (385,5m.620ke), 7:30-p. m., Svenony Radio orchestra; Bert Beuder, solois; Zehra Maddock, pianist.
WHO, Des Maines, lawa (198m.570ke), 7:30-9 p. m.

Maddock, pienist.

WHO, Des Meines, Iowa (526m-578kc), 7:38-9 p. m.,
Sigma Alpha lots national musical sorority; 11-12
midnight, Philbreck, and his Younker tea room or-

chestra.

WOAI, San Antenio, Tex. (394.5m-760kc), 8:30 p. u.,
Nows and Express and college of music program.

WOAW, Omaha, Nobr. (326m-370kc), 6:50 p. m., Gilbert Jaffy, violinest Harry Braviroff, plankt; 9,
promit 10:30, Frank Hucke and his Kightingale orrunni 10:30, Frank Hucke and his Kightingale or-

chestra.

WQ1, Chicage, III. (447.5m.676kc), 7-8 p. m., dinacr concert; 10-1 n. m., Rainbo Skylarks; Dr. H. Luetlle Loung: Hardid Olson; Charks; Hawellan triy; Johnny Peat; Tell Taylor; 1-2, Ginger hour.

WSM, Nashville, Tenn. (282.5m.1060kc), 7 p. m., Beasley Smith's orchestra; 3, program. Mrs. L. L. Garable; 10, David Libocomb college quartet.

Mountain Standard Time Stations KOB, State College, N. M. (348.6m-860ke), 7:30-8:30 p. m., musical program, Mrs. Whalen, director.

Pacific Standard Time Stations Pacific Standard Time Stations
KFI. Los Augets, Calif. (487m-6260, 520 p. m.,
prorrum, Eusene Biscaliuz; 6:30, Carpile Steenson's
orchestra; 7:30, Pelipe beigad and Chan Clark Muir;
S. Asellan organ recital; 9, William MacDongal),
editor organ recital; 9, William MacDongal,
Illimite MacE, 10, Rectard ballad hour; Tenna Kinmed,
Pat O'Neal, Kray Treuslan, Ashley Sisters.
K60, Oakland, Calif. (3812.m-830kc), 8 p. m. Mills
college annual dinner.
K6W, Perland, Dre. (491,5m-610kr), 6-7 p. m. dinner
K6W, Portland, Dre. (491,5m-610kr), 6-7 p. m. dinner
K6W, Portland, Dre. (491,5m-610kr), 6-7 p. m. dinner
K7W, Portland, Dre. (491,5m-610kr), 6-7 p. m. dinner
K7W, Portland, Dre. (491,5m-610kr), 6-7 p. m. dinner
K7M, Corvallis, Ore. (280,7m-1070kc), 7:20 p. m.,
Arium Kibinan, Lenor; S.9, musical; program,
B70,000kr), 6-10kr, 6-10k

Central Standard Time Stations

KFDM. Basumont, Tex. (315,6m-350kc), 8-10 p. m.,
Alaendla Petrolean company's hand.

Medal Krackers.

KFX. Hastings. Nebr. (287,1m-120kc), 7-8 p. m., Gold

Medal Krackers.

KFX. Hastings. Nebr. (288,3m-140kc), 0-11 p. m.,
Interpolate concept on academy.

KFV. Charles, Nebr. (283,m-140kc), 9-30 p. m.,
Interpolate concept.

KFUO. St. Louis, Mo. (345,1m-550kc), 9-30 p. m.,
Interpolate concept.

KFUO. St. Louis, Mo. (345,1m-550kc), 9-30 p. m.,
Interpolate concept.

KFUO. St. Louis, Mo. (345,1m-550kc), 9-30 p. m.,
Interpolate concept.

KMA. Shenandeah. lowa (252m-140kc), 9-11 p. m.,
Roll. Council Bluffs, lowa (275,5m-160kc), 6 p. m.,
KOLL, Council Bluffs, lowa (275,5m-160kc), 750-35,
Grace Pool Schibert, Capping, SAJD. Dribber Brobbers

CHARL Standard Time Station (275,5m-160kc), 750-35,
Carce Pool Schibert, Capping, SAJD. Dribber Brobbers

CHARL Standard Time Station (275,5m-160kc), 750-35,
Carce Pool Schibert, Capping, SAJD. Dribber Brobbers

CHARL Standard Time Station (275,5m-160kc), 750-35,
Carce Pool Schibert, Capping, SAJD. Dribber Brobbers

CHARLES AND STATION (275,5m-160kc), 750-35,
Capping, SAJD. The Station (275,5m-160kc), 750-35,
D. m., Tense Woman's colloge; 9:30-11. Post Office

WEMC, Berlen Springs, Mich. (285,5m-1650kc), 9 p. m.,

WEMC, Berlen Springs, Mich. (285,5m-1650kc), 9 p. m.,

#### Friday, May 14

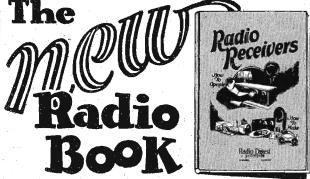
WGAU, Philadelphia, Pa. (277.6m-1080kc), 6:15 p. m., Clarence Sonnan and his Pennsylvania hotel orchestration of the property of the property of the Property of the State of

orchestra. WIP. Philadelphia. Pa. (508.2m-503kc), 6:05 p. m..

Benjanin Frankliu consert orchestru; 7. Uncle Wip's teathman sandama; 1. (305.9m.450ke), 8 p. m., rourskelet; 8:39. WEAF; 9. mustake; 10, WEAF; 11, Frovidence, St. 1, (305.9m.450ke), 8 p. m., rourskelet; 8:39. WEAF; 9. mustake; 10, WEAF; 11, Frovidence, Stillmone dance orchestra. WIZ, New York, N. Y. (454.3m.650ke), 7 p. m., flotel Commandore convert orchestra; 8. Sundail Shoe sevenders; 3:30. Bounie Laudites; 9. Baldwin hour, WGX; 12:30, Fold-Lovarino Grid orchestra, 9:10, p. m., WILT, Philadelphia, Pa. (594.5m.750ke), 8:10 p. m., WLT, Philadelphia, Pa. (594.5m.750ke), 8:10 p. m., WLT, Worling Glory culto concert; Aradac acid dance orchestra; 19:30, Rufus and Rastus; 11, Freshuan Hastepikec hour; 12 andthight, Morning Glory culto hour; 12 andthight, Morning Glory culto with the concert of the concert of

Eastern Standard or Central Daylight

Eastern Standard or Central Daylight
Saving Time Stations
RDKA. Pittburgh, Fa. (309.1m-970ke), 5:30 p. m.,
dinner couset; 9, congert, 10, conger



How to anderstand radio, assemble circuits, improve reception, operate **Sets,** and is your Radio reference book.

The greatest assemblage of facts and hints, from actual everyday practice, ever gotten together. Edited by the technical staff of Radio Digest, it supplies the demand for a book covering every phase of Radio. Starts at the beginning with simple explanation of Radio reception, with technical explanations of the different parts and leads right on to the more advanced instruction. A complete handbook serving as a ready reference in the Radio field. It gives suggestions on parts and sets which will prove to be a money saver. The full size template and working instructions for an efficient 7-tube super-het are essentially an important part of this book. Special chapter is devoted on "How to Operate," which gives detailed information on the operation of many well-known sets.

All the stories you hear of cost-savings by homeassembly of radios, no more than approximate the economies effected by Crosley methods of mass-production. Imagine, for example, a fivetube set of rare tonal quality, fine sensitivity, superb volume and exquisite beauty for \$75! That is the price of the new Crosley 5-tube RFL . . . without accessories

West of the Rockies, add 10% to all prices

THE CROSLEY RAD10 CORPORATION, Powel Crosley Jr., Pres. Cincinnati, Ohio

BETTER · COSTS

Mail Coupon Today

RADIO DIGEST, SIO N. Dearhorn Street, Chicago, Illinois.
Unclosed find \$3.00 for one year's subscription to Radio Digest. The new Radio Book, "Radio Re- cievers," will be malted FREE, postage prepaid. This offer only good on subscriptions sent directly to this office, not through agents or agencies.
Nanio
Address
City State

#### **SOUTH AFRICA SHOW** GETS U.S. PROGRAM

MESSAGE IS ALSO HEARD BY AUSTRALIAN FAN

2XAF, Schenectady, and Johannesburg Experimenter Successfully Arrange Broadcast Relay

SCHENECTADY.—2XAF and Grant Dalton, an enterprising South African experimenter, have demonstrated that it is possible to schedule an 8.050-mile Radio broadcast relay and make good on the program. It came about this way.

program. It came about this way.

The annual agricultural show of the
South African: Union was held recently
in Johannesburg. The show management
helieved that it would be a fitting climax
to the week to give the visitors an opportunity to hear a Radio program from the
United States. Cables were exchanged
with the General Electric company and a
definite time was fixed for the broadcasting, 4 to 6 p. m. Eastern time on the Saturday night the show was to close.

William M. Jardine, United States sec-

william M. Jardine, United States secretary of agriculture, prepared a greeting and other American agricultural leaders sent messages. There were also musical numbers and all were sent out on the 32.79-meter wave of 2XAF, from the studio of WGY here.

#### Even Australia Tunes In

Even Australia Tunes In

South Africa reported by cable that the
relay was a great success and then a few
hours later, sifting through amateur channels, came a message from E. H. Cox, of
Elsternwick, Victoria, Australia, to the
effect that he had heard the whole program of 2XAF as late as 7 o'clock in the
morning. Johannesburg got the program
at about midnight.

South Africans cabled. "Much callend

at about midnight.

South Africans cabled: "Much obliged your cooperation. Special program relayed Sunday a great success. Express our thanks to participants. South African agriculturists reciprocate wishes. Transmitting your Sunday morning dinner music."

#### Australian 14,000 Miles Away

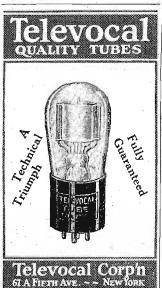
Australian 14,000 Miles Away
The Australian, Mr. Cox (3BE), reported as follows: "Your concert to South
Africa heard very loud here three hours
after sunrise. Signal would travel eastward from you so distance would be 14,000
miles. Congratulations. Do you ever use
32-meter phone about 4 a. m. Eastern
Standard time? Heard phone as late as
7 a. m. and carrier came through as late as
8 a. m."
2XAF is a little heattern.

S.a. m."

2XAF is a little brother of the 50-kilowatt transmitter of WGY. It is one of six Radio transmitters on the 54-acre Radio laboratory of the General Electric company. The aerial is only 50 feet long and about the diameter of a load pencil. 2XAF uses 10,000 watts of power.

#### Copyrights Busy Overseas

Copyrights Dusy Overseas
LONDON.—The initiative has been taken
by the authors and dramatists of the Intellectual Cooperative society, which has
just held a meeting in Paris under the
presidency of M. Luchaire, director of the
International Institute of Intellectual Cooperation, with the object of safeguarding
the interests of artistic and literary property throughout the world.



#### Reader's Views

Wanna Learn Something?
In April 3 issue of Radio Digest I see that H. W. H. of Vandalla, Mo., thinks that listening in on a program of Station WOWL with a 3-tube set is such a wonderful feat. I, for one, do not think so, I have a 1-tube single circuit regenerative set.

I have a 1-tune single entart specified.

On Friday, March 26, 1926, I listened in on Station KFIU, Juneau, Alaska, wave length 226 meters, power 10 watts. The distance is about 950 miles, air line. We had two head phones on the set, which were in use by my father and I. I will nut anybody wise to the trick of receiving low power stations that will drop me a line, especially J. M. El. of Lake Charles, La.—John E. Heuer, Box 173, Trochu, Alborta, Cauada.

Everybody Satisfied

I am of the same opinion as most B. C. L. At each intermission I think the number just played and the one to be played should be announced. For instance, this morning on KMA's early program, the announcer told that a certain, selection would be played on the plane and when it was finished, he announced again what It was then who played it and what the next number would be.

The way he announced gave those late tuning in a chance to know what they had just heard and by whom. If all would do this, I think the majority of B. C. L.'s would be better satisfied.—C.C.T., Howe, Nebr.

Nebr.

Pleases Individual Only

Don't you think it about time the broadcusting of listeners' congratulations to Radio performers was stopped? It seems to me perfectly all right for listeners to write, telegraph or telephone their approval of the programs to the broadcasting stations, but who wants to have half the ovening taken up with announcing that Bill Jones' Superodox is working fine, and Cy Prime's one-tube Vox Populi is getting it clear as a bell? Of course everyone knows that such people simply want to hear their names broadcast. It is getting to be a regular nuisance, I imagine, to everyone except the individual who is waiting to hear his name heralded through the air.—I.A.B., Colorado Springs, Colo.

#### Just What It Moans

Just What It Moans

I would like to voice my opinion on some of the letters in your Reader's View column.

If T.H., Okemah, Okla., had used a good standard dictionary he would have found out that "just" means "very lately, a moment ago," which surely justifies the way in which the announcers use it.

Also, what about someone with a new set who possibly hasn't heard a pleec of musle 150 times?

As to announcer giving a brief description of some of the classic muslc, I think it makes a pleec much more interesting.

### A "RADEX" Tuning Chart

A KAPLA IUNING CHARLES
Shows by dial numbers, wave length to
which set is tnned. Tells where to
placedials for any station. Identifies programs received without announcement.

Adopted to any set

Send 25c Coin or
Stamps
Parks Rev 142.8 CLEWELAND. O.

RADEK, Box 143-S, CLEVELAND, O.



Tunes out that troublesome, powerful sta-tion. Brings in stations you never had be-fore. 500,000 actually sold. Radio owners proved to themselves on our free trial that this marvelous instrument fils every claim. In One at our risk. Learn how much interference you have called statio—baseds some static, too.

Improves Any Set Tube or cryskind of aerial except loop antenna.

kind of aorial except loop antenna.

Select Stations Every radio needs

At Will this Eliminator (Patents Pending). Accept no unbaticute-look for the name STEINITE. No tanget in the state of the name STEINITE. No tanget in the state of the name STEINITE was a state of the name of th

STEINITE LABORATORIES 61 Radio Bldg., Atchison, Kans.

In short, I think there is great improve-ment to be made in broadcasting, but not much will come from some of these cheap critics. I believe a decent letter to the station telling them what you like and don't like would bring better results. J.H.L., Lansing, Ia.

#### Plea for Fairness

During the past year, Radio has gone from bad to worse; at least, that is my opinion, due to the fact that the average listener is constantly criticising the

opinion, due to the fact that the average listener is constantly criticising the broadcasters.

There are many cases to cite, but T see that the average is constantly criticising the broadcasters.

There are many cases to cite, but T see that the average is considered as the constant that the constant the constant that the constant the const

Poor Business
Concerning this business about announcer's not doing their work right:
Being an ardent worshipper of the great god, DX, I have had, of course, occasion many times to tune in stations where an announcer would not so much as offer the slightest clue as to the identity of the station. I think that such a habit or custom, or whatever it may be called, is not boosting a station, but is bringing upon it the ire of many Radio fans. It seems that every station would like to be on the right side of its listeners, but certainly the manager of a station that so closely hides its identity is not going about this affair in the right manner.

It's discouraging to listen.

where the station is. O.W.T., Baldwin-ville, Mass.

Permanent Test Period

Permanent Test Period

Why wouldn't it be a good plan to have a permanent test period in the United States, devoting a short time on a certain day each week for this purpose, the time, if not the day, to be different in each time zone? Only call letters and location should be broadcast during this period, a la CZE, or if music, only a few bars at a time. A few stations could start the ball rolling, if necessary requesting other stations who follow suit to observe the same hour.—A.F.D., Baltimore, Md.

Re's Langhing at Yon
Everytime I buy a new Radio Digest I get an awful laugh out of these wonderful tuners who pull in the I0-watt stations.
Let C.E.J. of Boston and H.W.H. of Vandalia, Mo., read this and weep.
On December 12, 1922, I pulled in KFJR at Stevensville, Mont., a distance of 1.500 miles, who was using five watts of power. If any proof is needed, I will gladly send a photostatic copy of the affidavit Mr. A. C. Dixon sent me, or they can write to Mr. Dixon, KFJR, now located at Portland, Oregon.—R.A.V., Lafayette, Ind.

#### Bill Asks That Copyrighted Music Tell Reserved Rights

Music Tell Reserved Rights

Mashington, D. C.—Representative
MacGregor of New York has introduced a
bill in the house which has been referred
to the committee on patents dealing with
the Radio copyright situation.

The bill provides that the sale of copyrighted music composition shall carry with
it the implied price to the purchaser or
other lawful holder, to publicly perform
it for profit or otherwise unless there shall
be printed on the title rage or othewise
conspicuously displayed on it, a notice that
the rights of such public performance are
reserved to the author or owner. The bill
affects composers and publishers and is
along the line of certain suggestions made
during the course of the recent Radio
copyright hearings.

like to be on the right side of its listeners, but certainly the manager of a station that so closely hides its identity is not going about this affair in the right manner.

It's discouraging to listen to a station which might be far off without hearing

## Increase Your Radio Vision

OUR Radio set brings to your ears the programs. This arouses a desire to see a likeness of entertainers and stations. Here is where you have need of something to give you this real vision. Our mission is to supply this factor in Radio, and we offer

#### RADIO DIGEST, the Eyes of Radio

in each issue of Radio Digest, Illustrated. This, with the printed story, makes your Radio complete, which is a service paramount to all Radio set owners.

#### Satisfy Your Curiosity Multiply Your Entertainment

by having each issue of Radio Digest mailed to you as it comes from the press. Then you will avoid the disappointment of missing copies.

Keep Smiling-Be in the Front Ranks

One entire year of this service NOW ONLY THREE DOLLARS

Your Best Radio Investment

#### FILL IN THE COUPON TODAY

RADIO DIGEST, 510 N. Dearborn Street, Chicago, Ill. Enclosed find \$3.00 for one year's subscription service regularly to	n to Radio Digest. Mail me this
Name	
Address	
City	State

#### Radio Comes to Rescue of Postmaster Who Had Chicks Stranded in Office

HOT SPRINGS, Ark.—That Radio serves in many curious ways was illustrated in Hot Springs, Arkansas, one more when the offices of Station KTHS, the New Arlington hotel, brought back the smiles to the lips of Postmaster Carcy-Johnson, after two days when all the joy had been abstracted from his busy life by the arrival of 100 chicks in his office.

He freely admitted that was too many chicks for his peace of mind, regardless of the fact that they were all beautiful specimens—of the feathered variety.

Can't Find Missing Keys

Life was going its merry round when a train brought in an even hundred pure bred chicks coosigned to one A. B. Keys. Then the clouds began to darken the sunny skies of Postmaster Carcy's morning when the carriers could not, locate keys. A search of directories failed to shed any light out the situation, and meantime the chicks got hungry and yet more hungry and their lamentations lifted skyward in outraged cluckings.

One day passed; then another of anxiety for men, postmaster and chicks. Finally a brilliant idea percolated to the postmasterial eranium. "Let's try Radio."

Announcer G. C. Arnoux, of KTHS, was consulted. An hour later the call for Mr.

CETALTILON DOLLON OF ACTUAL COLUMN AND CALLED THE CETAL CARLES AND AND CALLED THE CARLES AND CARLES AND CALLED THE CARLES AND CARLES AND CALLED T

#### STATIONS BOAST OF QUICK CHANGE OVER

WO STATIONS in different vicinities, WJZ at New York and WKRC at Cincinnuti, announce that they can now change over from one remote control pick-up point to another, while one announcer is in the middle of a sentence, and have the sentence completed at the second pick-up point by another announcer without listeners heing able to detect a second's panse. Evidently both stations have been working along the same line of perfection.

Stylish

Model

Flaring

Give Shell Kace Data Fast
By Short Wave Rebroadcast
SEATTLE, Wash.—When the University of Washington's star carsmen
drubbed the crew of the University of
California recently on Lake Washington,
Station KFOA "trailed" the races from
beginning to end and gave the listeners
probably a better picture than the spectators along the shore or in small craft
along the cruise could get.

The Seattle Times press boat trailed

along the cruise could get.

The Seattle Times press boat trailed close behind the racing crews and Palmer K. Leberman, short wave expert, broadcast the descriptions of the races "stroke-bystroke" through a special 38-meter phone set with which the boat had been equipped. The 38-meter wave was received at the Times office and put on telephone wires which went through two exchanges before reaching KFCA's studio. Here the decriptions were listened to aid repeated on 455 meters by the KFCA announcer.

A force of nineteen men was required to

A force of ninoteen men was required to do this.



"The little wrinkle that makes my 'B' batteries last longer is using the right size Evereadys with a

'C' battery"

"I USED to think that because the Eveready 'B' Battery No. 772 cost less than either of the larger Heavy Duty Evereadys that I was saving money. As a matter of fact, on four or five tube sets, that was false economy.

"The right size Eveready 'B' Batteries to use depends on the number of tubes in your set. The life of the batteries depends on how much you listen in and on whether a 'C' battery is employed."

To get the maximum of "B" battery life and satisfaction, follow these simple rules: On 1 to 3 tubes—Use Eveready No. 772.

On 4 or more tubes—Use the Heavy Duty "B" Batteries, either No. 770, or the even longer-lived Eveready Layerbilt No. 486. On all but single tube sets -Use a "C" battery\*.

Follow these rules, and No.

772, on 1 to 3 tube sets, will last a year or more; Heavy Duties, on sets of 4 or more tubes, eight months or longer.

The average year-round use of a set is two hours a day. If you listen longer, your "B" batteries will have a somewhat shorter life. If you listen less, they will last longer.

Our new booklet, "Choosing and Using the Right Radio Batteries," is free for the asking. It also tells about the proper battery equipment for the new power tubes.

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

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

Tuesday night means Eveready Hour— 9 P.M., Eastern Standard Time, through

7.F.M., Eastern Standard Fime, through the following stations:

WEAN-New York WGR-Bulglo WAN-Okicago WAN-Pocidence WAN-Pilisboron WOO-Decemport is WEB-Batton WAN-Cloreland WOO & Minneaport WYN-Pilisborghit WWN-Octobelit WOO & St. Paul WYN-Pilisborghit WWN-Octobelit WOOS & Louis





"And you were wonderful through it all."
"I am afraid I am not a very good detective, John . . Not nearly so good as
Hazel Stanton . . She has such admirable
qualities as a policewoman."
"Forget Hazel Stanton She was never
anything but a minor character in the
piece. And as a detective—bab! She was
always picking the wrong one."
"She picked you, John. . I could see
it in her eyes. She was a woman first and
a detective second, and I hated her. I believe if I hadn't hated her I shoulidn't have
mixed up in this business at all."
"Then there is that much to her credit
anyway. She brought us together. I might
still be flitting about in the dark if it
hadn't been for your bravery."
"Bravery!" The girl laughed. "I brave?
Why I was frightened to death. Every
minute of this night I wanted you,
Johnny. I was so alone . . . So helpless."
"Halplace? Halplace? If you're colled."

less."
"Helpless? Helpless? If you've solved a murder mystery and captured a murderer while helpless, it ought to be a positive pleasure to see you work when you felt sure of yourself."
"Don't laugh at me, John, I mean it. Never in my life again will I be able to forget that horrible front door—firm and strong and tightly barred—but letting terrible creatures walk through it at will, in and out, in the dark."
"You needn't worry about the door any

terrible creatures walk through it at will, in and out, in the dark."

"You needn't worry about the door any more. Uncle Peleg has had it naided up. He says he is going away on his long cruise and try to do his permanent dying somewhere else so that his corpse won't have to be carried out through the Turners' last exit. He is giving us this house if you think you can stand to live in its shadows. And when we're married, we can cut a new door through the front wall with a glass panel in it looking out through the ecdars toward the bay. "He broke off suddenly and half rose from the davenport. The girl pulled him back with a start of terror.

"Listen, Johnny! What's that?"

"It's nothing, dearest. . It can't be anything now."

"Don't leave me, Johnny. . It's the step ... the step on the stairs. . The hall door is opening."

"It's Harl Singh."

"We have a visitor, Sahth," he said. "A clergyman, who says that Peleg Turner telephoned to him to come at once to marry someone."

"Call Uncle Peleg and show the gentle-

Turner telephoned to film to come at once to marry someone."

"Call Uncle Peleg and show the gentleman in," directed John Carton.

"What are yout delaying for, Harf Singb?" inquired Mary Williams.

CONCLUSION

#### KMTR IS "HIGH-BROW"

KMTR IS "HIGH-BROW"

(Continued from page 13)
the start. Mammy Simmons, as all in Atlanta, Georgia will remember, was the Uncle Remus story teller at that city for a long, long time, and the memories of Joel Chandler Harris are now being kept alive out on the Pacific coast as well as in the South.

Outside of the concert hour in the evening and Mammy Simmon's home hour for the children, nothing is presented over



A STEP ON THE STAIRS

(Continued from page 12)

(Captain Grove said he had sighted perspective like in page 12)

(Captain Grove said he had sighted perspective for page 14)

(Captain Grove said he had sighted perspective for page 14)

(Captain Grove said he had sighted perspective for page 14)

(Captain Grove said he had sighted perspective for page 14)

(Captain Grove said he had sighted perspective for page 14)

(Captain Grove said he had sighted perspective for page 14)

(Captain Grove said he had sighted perspective for page 14)

(Captain Grove said he had sighted perspective for page 14)

(Captain Grove said he had sighted perspective for page 14)

(Captain Grove said he had sighted perspective for page 14)

(Captain Grove said he had sighted perspective for page 14)

(Captain Grove said he had sighted perspective for page 14)

(Capt

be a revelation to listen in on KMTR on a Tucsday evening between 7:45 and 8:30 to hear the broadcast of the Hollywood community sing where the people of Hollywood get together, just as they do in Podunk, Indiana, or any other town in America, and join in community singing. So KMTR is a high-brow station and proud of it. As the directors say, nearly every Radio station in the country seems to be catering to the low-brow so why not have a few that are avowedly for the high-brow listener.

#### "BIG RABBIT"

(Continued from page 9)

BREATHED with relief, Miss Tonnesson at least was under the protection of Major Gaskill. The prospect of again striking the trail filled me with new life. I hastened to the water front and began making my way along the slips, inquiring about a boat, fearing the party had taken one of the large passenger steamers either for the upper St. Johns or for the East Coast.

At a slip at the front of Laura street I found the trail. A strange gasoline launch, unnamed, had been in the slip for several days and had left early that morning. It had taken aboard six barrels of gasoline consigned to William Duke and remained in the slip until shortly before eight o'clock when a tall white man, two negro men, and two women, both closely veiled, had boarded the launch, arriving in a taxi cab.

The launch had cast off immediately and proceeded up river. Several persons remembered the launch well. One had seen the party board her, and had observed that one of the women appeared to be sick, as she was supported by the white man and the other woman. The launch, according to the men who saw her, either was a stranger, or had been repainted since any former appearance in the port.

painted since any former appearance in the port.

The crew consisted of three negroes, none of whom were known. The dock ten-der had thought the launch was the prop-erty of some of the wealthy winter re-sorters and had not paid much attention to her.

Softers and had been party for her.

There was no doubt but that we were on the right trail, and that the party had gone up the St. Johns river. But where?

I still was seeking information when the steamer May Garner came down from the points up the river, and as she waddled into her slip, I approached to make

## Bring in Europe Victoreen "Super"



The Heart of the Circuit

Ask your dealer for a free folder and hook-up of Victoreen "Super" or write directly to us. This folder answers all questions about the Victoreen.

#### The George W. Walker Co. 6509 Carnegie Ave., Cleveland, Ohio Branches in principal cities

or the river, was indistinct. Captain Grove's attention had been attracted to it by its strange course, indicating either that it was in a great hurry and was making chances of grounding by cutting the corners or that it was striving to escape notice.

Satisfied that the launch was the one we were striving to trace and that its passage would be noted at points further up the river I bastened back to the Seminole where, in a short time, Borton rejoined me.

"We were right," he said shortly, seeming to have forgotten our little clash. "The porter is with them. None of the railroad people knows much. The launch was rented in the name of King, by a colored man, and pald for in advance. The party left the car a few minutes after the train reached Jacksonville, Major Gaskill, Miss Tonneson, Trimble and the maid

party left the car' a rew minutes after the train reached Jacksonville, Major Gaskill, Miss Tonneson, Trimble and the maid in a taxi. Miss Tonneson either was drugged or sick. They half carried her. The car was switched out into the yards."

"Trimble returned after helping the women to the taxi and joined the negro porter. Evidently they carried us out of the car and dumped us alongside the railroad in the yards. They were afraid to have us found unconscious in the car for fear the cleaners would call the police. The whole party theo went in taxis to a launch at the foot of Laura street. The cab starter heard directions given."

"I discovered that part of it." I assured him, and, as quickly as possible outlined to him the result of my investigations.

"ODD—the trail leads up the river,"
Borton said. "No use starting this late today. They can't hide that trail. We must find out about the regular river boats, and lease the fastest motor it hear" in their locality.

boat we can get. This afternoon we must make the rounds of the lumber dealers and find where Gaskill's mills are located. Possibly they are going to one of his lum-ber camps. Then we'll get some sleep. We are both half dead and can't push much

are both half dead and can't push much further without rest."

Anxious as I was to be on the trail I realized his plan was best. The excitement had buoyed us up during the day, but the deadening effect of the drug, the weariness of the ride, the shock of the abuse we had endured, all were telling upon us. I had scarcely realized how sore and weary I was until Borton spoke and then felt ready to collapse. A glance at Borton's face, drawn and gray from fatigue and suffering, proved that pursuit, for the time being, was out of the question.

For two hours more we dragged our

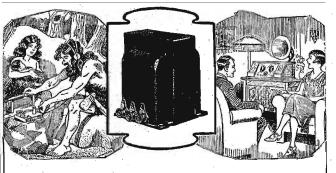
for the time being, was out of the question.

For two hours more we dragged our pain wracked bodies around the eity. In the first lumber office I learned that Gaskill was the ostensible owner of three saw mill plants; one near Federal Point, one near Sanford and a third on Cross Creek. The greater part of the land controlled by Gaskill had been cut over until the output of the mills was small and they were operated spasmodleally. Gaskill had attempted to sell tracts of land for colonization but the deal had failen through. Borton returned soon after I completed my task. He had engaged a fast motor boat, the Jason, and had learned the time of departure of all upriver steamers. We hardly could keep awake during the dinner and, before nine o'clock, we plunged luxurlously into soothing hot water, and afterward fell asbeep in a few minutes, I to dream that I was rescuing Roborta Lee Tonneson from the clutches of a huge rabbit which grinned like Borton.

Dreaming of Roberta in the clutches of a grin-ning rabbit of giant proportions may have been prophetic for Wen. At any rate the two hounds are set for a devious water trail and the next epiare sole will carry us into a strange and weird setting with the haunting shadows of the Big Rabbit, the girl and her guardians tantalizingly near and yet

(Copyright 1926 by Hugh Fullerton, All rights reserved.)

The organization of Radio clubs in Oregon continues at a pleasing rate, the latest addition being the McMinnville Radio club which with its initial bow authorized the purchase of apparatus sufficient to "clean



## Modernize Your Radio Set!

**HORDARSON** Trade-Mark Registered

All Frequency Amplifier

From the majestic roll of the grand organ to the high flute like tones of the coloratura, every note-every harmonic-is faithfully reproduced in the Autoformer equipped receiver. No note is too low-and none too high to receive full amplification.

It encompasses the advantages of transformer, resistance, and impedance coupled amplification with the disadvantages of none.

Write for descriptive bulletins.

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

### Super-Torodyne: An Improved 8-Tube Super

#### Part IV-Completed Wiring and Operation

By J. E. Owen, Univ. of Okla.

ONTINUING last week's article we shall complete the wiring of the Super-Torodyne as it would be used with an aerial, and will then consider circuit modifications which permit the use of a loop such as the one shown in figure 10.

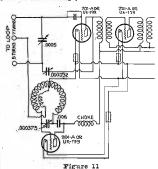
grid condenser of the second detector. A wire from the other side of this condenser goes to the post marked G on socket No. 6. These wires form the only support for the second grid condenser as may be seen in figures 4 and 7.

Operation 34: Cut a wire about 11½ inches in length and connect to the posts marked + on Victoreen transformers 1 and 4. Run short wires from the corresponding posts on transformers 2 and 3 and solder to this wire directly above. (35) Run a wire from the post marked words on the four Victoreen transformers 2 and 3 and solder to this wire directly above. (35) Run a wire from the post marked by on the fourth Victoreen to the post marked by on the fourth Victoreen to the post of the fourth Victoreen to the post marked C BAT—. The next binding post son the soft Tobe condenser. This wire should be insulated, wire is run to the binding post and run it through one of the holes just a drilled and over to the right terminal of the post marked C BAT—. The next binding post son the lower Jefsenson transformers 2 and 3 and solder to this wire directly above. (35) Run a wire from the post marked C BAT—. The next binding post son the lower Jefsenson transformers 2 and 3 and solder to this wire directly above. (35) Run a wire from the post marked by the post marked c BAT— is the +B detector. An add the post marked by the post marked by the post marked c BAT— is the +B detector. An add the post marked by the post of the binding post on the lower Jefsenson transformers and the post marked by the post marked by the post of the post marked b

Eremer-Tully choke that has no connection.

The binding post strip with its brackets should now be put on the sub panel, and over the Victoreen transformers. Connect a wire from the left binding post marked ANT to the post marked P on the left toroid coil. The second binding post which is also marked ANT is connected to the binding post T on the left toroid coil. Use spaghettl insulation on these leads. Connect the hext binding post marked GND to the next one to it marked ABAT. There is a hole between Victoreens Nos. I and 2 through which there is no wire. (40) Connect a wire to the binding post marked ABAT—, run it down through this hole, and solder to the negative bus underneath the sub panel.

Operation 41: The next binding post is marked A BAT+. Run a wire from it to the next post which is marked C BAT+. Drill a hole between Victoreens Nos. 2 and 3. (42) Run a wire down through this hole, connecting at the top with the wire common to the binding posts marked B BAT-. C BAT+, and A BAT+. After it passes through the sub panel, bend it straight toward the front until it reaches the front panel, then bend it to the right until it comes directly below the Benjamin battery switch. Use spaghetti on this wire. It is now brought up and soldered



ferson transformer marked E. The next binding post on the binding post strip is marked B AMF+. Drill a hole between Victoreens Nos. 3 and 4. (44) Drill another bole between socket No. 7 and the Jofferson transformers. Run a wire from the binding post marked B on the upper Jefferson transformer through this hole, across to the left, then bend to the back and up through the bole between Victoreens Nos. 3 and 4, and connect to the post marked B AMF+. A wire also conficent of the continued on next uage) (Continued on next page)

Figure

The Victoreen transformers may now be placed upon the sub panel and mounted at an angle of approximately 45 degrees, each to the other, as was explained in the second article.

Operation 27: Run a wire from P on socket No. 1 to P on the first Victoreen transformer. (28) Run a wire from G of socket No. 2 to G on the first Victoreen. (29) Run a wire from P on socket No. 2 to P on the second Victoreen. (30) Run a wire from G of socket No. 3 to G on the second Victoreen. (31) Run a wire from P on socket No. 3 to G on the second Victoreen. (31) Run a wire from P on socket No. 3 to P on the third Victoreen. (32) Run a wire from P on socket No. 5 to G on the third Victoreen. (33) Run a wire from P on socket No. 5 to P on the fourth Victoreen. Now run a wire from G on the fourth Victoreen under this transformer and toward the back, where it is connected to one side of the

marked — on socket No. 4, which is really the positive filament post. Take a wire about 8 inches long and connect the posts marked F on transformers I and 3. From the post marked F on transformer No. 2 run a lead to the wire directly above it and solder.

Operation 36: Drill a hole back of the hole behind Amperite No. 4. (37) Run a wire under the sub panel from the left terminal screw of the right Tobe fixed condenser up through and solder it to the wire that connects the binding post marked F on the Victoreens Nos. 1, 2, and 2, (38) Drill through the sub panel, back 3. (38) Drill through the sub panel, back



National advertisers can now use profitably

The National Broadcast Authority

Radio Digest

Class Circulation at Mass Price 175,000

Year's Average, Net Paid, Guaranteed or Pro Rata Refund

MAXIMUM MILLINE

\$3.64 MINIMUM MILLINE

E. C. RAYNER, Publisher

Radio Digest Publishing Company 510 North Dearborn Street CHICAGO

## Gets Everything But Noise!

Read this convincing letter from a man who has "listened and marveled":
"Utlea, N. Y.
Antennao Co., Jan. 16, 1926.

e Antennao Co.,

Gentlement:
We have found your Kane Antennas the greatest blists we have come across in the way of olimin-ation interference. It is a real life savec us, as since we have havelled it was at smoderful recopilion, where beautiful and the same save Very Iruly yours.

Utter Radio Supply Co., By M. Swire."

Improves Reception 60%

Improves Reception 50% introluciones and management and superiorists and superiorists and superiorists and superiorists and superiorists and superiorists that fully 17% of so-called summer stattle" is nothing more than electric summer stattle in summer summer summer stattle in summer summ \$1.00 Brings BLUE PRINT Complete Working Drawings

full instructions for creeting this wonderful mnao, Just send \$1.00 (a check will do-mps not accepted). A limited number avail-t. Send TODAY.

KANE ANTENNAE CO.

KANE ANTENNAE

#### NEW SUPER-TORODYNE

(Continued from preceding page) nects this post to the one next to marked SPEAKER. The other speak post connects to the post on socket No. 8

post connects to the post on socket No. 8 marked P.

Test the Wiring

The Super-Torodyne is now wired. Be sure that the Amperite cartridges and the grid leaks are secure in their mountings. Amperities 7 and 8 being the No. 120 type. Insert tubes in their sockets. Connect the A battery to its terminals and notice whether the tubes all turn on and off as the Benjamin battery switch is operated. If everything is satisfactory, disconnect the A BAT+ lead and touch it to the post marked C BAT+. The tubes should now light. Next, connect the A BAT+ lead to the post marked C BAT-. The tubes should not light with the switch either in or out. Now connect the lead to the B BAT- post. The tubes should light with the switch is off. Now connect it to the B+ and the SPEAKISR posts in turn. The tubes should not light when the switch is off. Now connect in to the B+ and the SPEAKISR posts in turn. The tubes should not light when connection is made to any of these posts. If the tubes light when they should not, carefully check the wiring until the mistake is found.

Operation of the Set

Operation of the Set

Operation of the Set
If the set performs as it should, connect the plus A lead to its post, also the
C and B batteries as indicated by the
binding posts and the wiring dlagram.
Connect the ground and the antenna leads,
also the speaker to their respective posts.
The receiver should now be ready for operation. Set the midget condenser at
about half the capacity with the potentiometer near the negative side. Rotate

#### **CLASSIFIED** ADVERTISEMENTS

Classified advertisements in Radio Digest produce results. Have you a receiving set to sell? Do you want to buy a Radio? A classified advertisement in this column will sell your set.

will sell your set.

Rates are twenty cents a word for each insertions, ten per cent for six insertions, fifteen per cent for twelve insertions, twenty per cent for twenty-four insertions. Name and address to be included at above rate. Cash should accompany order. Minimum of ten words.

Objectionable and misleading advertise-ments not accepted. Forms close three weeks prior to date of publication, which is first and fifteenth of each month.

#### BLUE PRINTS

Just Out—Actual size template for Radio Digest's latest set—Super-Torodyne, 25c. Instructions appearing in April 10-17-24 and May I issues.

Super-Het, Ryan's Simplest Possible 7-Tube Set. Complete instructions, actual size template. How to nake a loop. All for 50 cents. Book Dept., Radio Digest, 510 North Dearborn Street, Chicago.

#### MISCELLANEOUS

Photos of Your Pavorite Radio Stars. Ten cents and coupen appearing on another page of this issue will entitle you to one of the photos from Radio Digest gallery of stars. Radio Digest, 510 North Dear-born Street. Chicago.

Radio Fans—A year's subscription to Radio Digest is only three dollars. Send your order now. Fill out coupon on page 26.

#### PATENT ATTORNEYS

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

#### POSTAGE STAMPS

One Mundred Stamps, Free; 20 Postage. Toledo Stamp Company, Toledo, Ohio.

#### RADIO

Five tube Radio only \$22.50. Seminole Radio, 427 East 16th St., New York.

SOO MILE RADIO—\$2.95. No tubes nor nattery needed. Always ready, Fully guaranteed, 200,000 sold, No grinding, A real Radio, Sent postpaid, Order from this advertisement. Crystal Radio Co., Wichita, Kans.

Five tube radio set. \$45.00 New. Order from adv. P. V. Graseberger, Bumpass, Va.

New Federal Orthosonic Type A with or without accessories. Corner Pharmacy, Volga, Iowa.

#### REAL ESTATE

Sell your property quickly for cash, no matter where located particulars free. Real Estate Salesman, 509 Brownell, Lin-coln, Nebraska.

#### SALESMEN WANTED

A PAYING POSITION OPEN to representative of character. Take orders shoes-hosicry direct to wearer. Good income. Permanent. Write now. Tanners Shoe Mfg. Co., 3-117 C St., Boston, Mass.

the two main condenser dials until a sta-tion is found. Adjust the strength and selectivity of the set with the potention

tion is found. Adjust the strength and selectivity of the set with the potention eter and the midget condenser. A little practice will enable one to tune the set very rapidly and without oscillation in the first detector circuit.

The length of aerial used will depend on local conditions and the degree of selectivity desired. For average reception conditions, one of '60 feet will be sufficient, while a well insulated wire a few feet in length placed under the rug or around the picture moulding will be very good during the static periods of the year. The use of a single wire aerial makes ease of installation, although it is often desirable to use a loop, particularly in localities congested with Radio traffic. With a medium length aerial, the Super-Torodyn will tune out local stations very effectively, even within a very short distance of such stations. This is due, in part, to the use of the toroid coils in the antenna and oscillator circuits.

The directional characteristics of a loop, however, give a higher degree of selectivity. In figure 10, the Super-Torodyne is shown with an Aiax loop, which is well-fitted to the circuit. In figure 11 are shown the few modifications which are necessary in order to use this loop. The "center tap" on the loop is one turn off center, while the connections to be







SUPERFLEX-\$80.00 list Dealers—ask us WHY? Test a sample, RADIO PRODUCTS CORPORATION, (Inc.) 3816 N. 28th St. Birmingham, Alabama





55 volts, \$5.25; 90 volte, \$10.00; 11254 volts, \$12.50; 155 volte, \$14.75; 15756 volts, \$18.80. Truly the bisenest buy lodgy. Easily charged on any current including 25-volt systems. Any special detector plate voltage had. Pacied and approved by leading authorities such as provided and approved by leading authorities such as provided and approved the leading authorities such as provided and sold of the leading authorities such as provided and sold of the leading authorities and a married lead of the leading authorities and sold of the leading authorities and calculated and calculated. Sime Day submounts. B. Hawley Smith, \$17 Washington Are, Danbury, Cong.

made are shown. No antenna coupler is used. With the Ajax loop, a .000032 mfd. midget condenser should be used for regeneration control.

generation control.

As a large midget condenser has relatively small body capacity effects on the regeneration control, the tap was taken on the antenna coupler for use with a straight wire aerial in such a way that the mid. midget condenser could be used. In the same way that certain parts were specified for use with this receiver, the accessories required need some attent.

were specified for use with this receiver, the accessories required need some attention. For the reproducing element, a good speaker is recommended to take full advantage of the low base range of the Jefferson transformers and the enormous volumes that these stages can deliver. For the tubes, use only standard makes. By properly choosing the Amperite, storage battery instead of dry cell tubes may be used. Have your tubes tested and place the two best in sockets Nos. 1 and 5. There are no major adjustments to be made in the Super-Torodyne when properly wired. Some minor adjustments have been described from time to time in these

been described from time to time in these articles and when these are made and the set assembled according to the directions, you will find the Super-Torodyne a

#### **Greatest Radio Log!**

with BOOK of Our PRESIDENTS and 48 States of Union eine Map F. JAENICKEN CO., 727 S. Dearborn, Chicago

#### BUS BAR WIRE Use COOK'S

We make a superior wire of pure copper piece of Cook Bus Bar Wire is now plainly ed "COOK'S"—your protection against sub-Stampter stitutes.
It is flutshed square or round, proporly tinned and correctly tempered for radio use.
Furnished in standard lengths of 2 feet.

Furnished in standard lengths of 2 feet.

EDWARD N. COOK PLATE CO.

72 Ship istreet

REPRISENT FUVY

84 E. A. ALLEN MITTH

84 E. Fourth St. Lost Inteles, Cal.

WOOD & LANE CO.

95 Olre Street, St. Louts, Ma.

MR. W. I. OTIS

Halto Building, San Francisco, Cal.

HARRY J. CAPPRING

51 East 24nd St., New York, N. Y.

#### FOR CLEAR, QUIET "B" POWER



Exercise August Interpretation of before Rectard at a negligible cost. Delivers unifoling power that is clear, pure and outlet, in the cost of the cos 1) Mr. Heavy rugged plates. Vrder yours today!

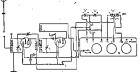
NO MONEY Just state number of batteries
wanted and we will ship day order.

Extra offer: 4 batteries in serice (39 vois; \$10,00. Per
wanted and we will ship day order.

Extra offer: 4 batteries in serice (39 vois; \$10,00. Per
wormhing batteries. 6 per cant discount for cash
Mail vois and the series of t







#### with a Brad<u>ley-Amplifier</u>

Resistance-Coupled
PERFECT AUDIO AMPLIFIER



ME Bradley-Amplifier is a ready-built, readyto-install audio-amplifier. It contains no transformers, but is equipped with Bradleyunit resistors which amplify without distortion.

The quality of the Browning-Drake receiver, like any other selective radio set, can be improved by substituting the Bradley-Amplifier for audio-frequency transformers. Try the Bradley-Amplifier with the Browning-Drake receiver and be assured of amplification without distortion.



There are six Bradlevunit resistors mounted in the base of the Bradley-Amplifier. These compact units are of solid, molded material, baked under terrific pressure and fitted with silver-plated terminal caps. Bradleyunits do not deteriorate with age nor are they affected by temperature or moisture. They are permanently soldered into the Bradley-Amplifier, thereby assuring an amplifier which is permanently adjusted for maximum efficiency.



ALLEN-BRADLEY CO., 290 Greenfield Avenue, Milwaukee, Wisconsin

Pleaso Amplifi	send or and	me ye	ur ilterati Alien-Bra	ira on idlav s	the	Bradley-

## Radiophone Broadcasting Stations

#### Corrected Every Issue-Part I

United States

United States

AT9, Fort Bragg, N. C. 124 5m-090kc 7.56 watts, U. S. Government. Ammounter, Lieut, James Y. LeGette, Slogan, "The Piopers Hroadcasting Station of the Amount of the Hroadcasting Station of the Amounter of the Hroadcasting Station of the Amounter of the Hroadcasting Station of the Westinghnuse Elec. & Mfr. Co. Announcer George S. Ryan, Shopan, "The Proper Broadcasting Station of the Westinghnuse Elec. & Mfr. Co. Announcer George S. Ryan, Shopan, "The Proper Broadcasting Station of the World." Dally ex Sun, 23-05-250, master, 7, 20-53, time, daily secret Sen. State, 23-05-250, master, 7, 20-53, time, daily secret Sen. State, 12-150 part, 74-5 part, 18-16, inc. daily secret Sen. State, 12-150 part, 74-5 part, 18-16, inc. daily secret Sen. State, 12-150 part, 74-5 part, 18-16, inc. daily secret Sen. State, 12-150 part, 74-5 part, 18-20 part, 18-20

Pacific.
KFBK, Sacramento, Calif. 247.8m-1210kc. 100 walts.
Sacramento Bec. Mon. Thurs. Sat. 7:30-10 pm. Mon.

No. 2012 1862. Co. 2012 Thurs, Sat. 7:39-10 pm. Mon. for mr. Pacific.

KFBL Everett, Wash. 223.7m-1240km. 100 watts. Lesse Dros. Dally, 7:20-8:20 mm. Pacific.

KFBS, Trinidad, Colo. 233m-1260km. 15 watts. School Delta Colo. 2012 190 mm. 110km. 500 watts. School Delta Colo. 2012 190 mm. 110km. 500 watts. Bisbop N. S. Thomas.

KFGB, Pheents, Artz. 238m-1260km. 125 watts. Niclesen. Shorn. When H When H Wash. 110km. 110km.

tein Stephen S

Tucis, Pri, 8:30 pm, beddine stary; 8 pm, nussenic; 10:30, or receivers Mountains stary; 8 pm, nussenic; 11:30, or receivers Mountains and the star of the star of

K 17st, Gyanda Greiti, Dakota, Slonan, Gyand Forks, Directional Courte of the State, Daily of Thurs, 6-f pin. Thurs, 8:45-10 pin. Sun, 2 pin. Central, K-JR, Portland, Orc. 253n-1140ke, 50 watts. Ashley C. Dixon & Scn. 100, 7:30-3:45 pin. Tues, 7:15-

S.15 mm; 9.15-10-48. Wed. 7-30-8-530 pm. Thurs. 120-9-30 pm; 9-16-33. Mar. 1-30-9-30 pm. Deciding the property of the size of

KFWH, Chieo, Calif. 255.1m-1180kc. 100 watts, F. Wellington Morse, Jr. Slogan, "Kind Friends Wo're Hote." Daily or Sun 10:30-1130 am. c135-430 pm. Sun, 2030 am. and 215-430 pm. 130:30 pm. 30:30 pm. 78:450 pm. 78:450

Sung 1.-2 mg, 4-9, 6-7. Pacilian—1488kc. 50a watts. Deliver to the Sung 5 mg. 8-1 pacing. The Pacing of the Pacing

Pacific.

(K9U, Honolulu, Hawaii. 270.1m-1110kc. 500 waits.

Marlen A. Mulrony, The Honoluln Advertiser. Anrauneer, Raymond A. Tillfoid. Daily, 7:30-9 pm.

Tues, Thurs. Sat, special program. Sun, 11 am; 7:30pm. 150 mertidian. 2½ hours earlier than Pacific than pm. 150 merddan. 225 hours earlier than Pacific.
KGW, Portland, Ore. 401.5m-010ke. 1009 swtta. Partland Mominis Oregonian. Amounteer, Dick Balter.
Slogen, "KGW, Keep Growing Wisser," Mon. Wed.
Fri, 9:33-11.30 am. Tues, Thurs, Sat. 10-11.30 am.
Mon. Wed. Pri, 7:35-7:10 am. cerciese. Dully exSan. 12:30-1.30 pm. Dalb or. Sat. Sun, 7:30-7:45
Sun, 10:30-12 ncon, 25:30-100 pm. Sat., 10-12 mid.
Stun, 10:30-12 ncon, 25:30-100 pm. 50
KGY, Lacey, Wissh. 21:38n-1250ke. 50 watts. St.
Martins College. Amounters: Schostlam Ruth. Slogan,
"Out Where the Cedara Meet tho Soo." Sun, Tues,
Thurs, 8:30-200 pm. Partile.

Thurs, 8:20-9:30 pm. Pacific. un cen. Sun, Tuss, IKH. Los Auncles, Calif. 405.2m.-740kc, 500 watts. Los Angeles Timets, Announcer, John S. Dargest. Shoran, "Kindness, Happiness, Joy," Dally ex Sun, Mon. 7 am, 7-20, 12 m. 1:30 pm. 23-0, 3:20, 5:30, 11. Mon. 11. Pacific. 12-1:30 pm. Sun, 10-12-30 pm. 8-7-30, 3-KHO Smither March 11. Pacific. 12-1:30 pm. Sun, 10-12-30 pm. 8-7-30, 3-KHO Smither March 11. Pacific. 12-1:30 pm. Sun, 10-12-30 pm. Su

11. Pacific. Wash. 384.5m.-780kc. 1000 watts. Lenib Washer, Inc. Announcer, C. P. Undetwood. Science of the Announcer, C. P. Undetwood. Science of the Manner, C. P. Undetwood. Science of the Manner, C. P. Undetwood. Science of the Manner, 12 Science of

Sin, 11 mi, 7-8:30 pm. 5-10. Sat, 2-8 pm; 9-10. Pacific.

Pacific.

KIAF, Siblepec, Minn. 422,3m-710kr. 500 watts. Steele Co. Stogan, "Par From the Maddening Crond."

Alon, Wed, Fri, 7-3 pm. Sun, 2-3 pm. Central.

KIBS, San Prancisco, Call. 220,m-130kn. 5 watts. Julius Blunton & Sense Co. Amenineev, Edward Laties.

Sall pm. Fractisc. Sall. 220,m-130kn. 5 watts. Julius Blunton & Sense Co. Amenineev, Edward Laties.

S-10 pm. Fractisc.

KIR, Seattle, Weeh. 384, in-780kc. 1,000 watts. Nardi-west Radio Service Co. Amenineer, H. C. Graden.

12 n. 12 n. thme; 5-46-6, 5, time; 6-8-260, 5-50-7; 8-70-7; 8-70-10. 10. Daily et Son. Sal., 7-8-38. Sun, 11-10. Sall. Sun, 12-13 pp. 12-30. Tune, Fri, 6-73 and Sall. Sun, 12-13 pp. 2-30. Tune, Fri, 6-73 and 3-75 sun, 12-13 pp. 2-30. Tune, Fri, 6-73 and 3-75 sun, 12-13 pp. 2-30. Tune, Fri, 6-73 and 3-75 sun, 12-13 pp. 2-30. Tune, Fri, 6-73 and 3-75 sun, 12-13 pp. 2-30. Tune, Fri, 6-73 and 3-75 sun, 12-13 pp. 2-30. Tune, Fri, 6-73 and 3-75 sun, 12-13 pp. 2-30. Tune, Fri, 6-73 and 3-75 sun, 12-13 pp. 2-30. Tune, Fri, 6-73 and 3-75 sun, 12-13 pp. 2-30. Tune, Fri, 6-73 and 3-75 sun, 12-13 pp. 2-30. Sall. Sun, 2-30, 5-31. Central.

#### CHALLENGE!

NE DOLLAR will be paid to the Radio fan submitting the most errors in any one station's listing in this directory. Letters must reach Radio Digest office not later than one week from date of issue corrected. Readers are not limited to correcting one station, but such corrections must be certified by the stations themselves, and NOT by comparison to other so-called accurate broadcasting directors and lists. Readers also must live in same state or province as stations corrected are located. Station verifications must accompany corrections.

That's just how sure Radio Digest

recated. Station Vertications must accompany corrections. Radio Digost is that this broadcessting station directory is correct! To make the challenge fair for everyone, broadcasting stations and their employees are bearred from this offer. Why? Eccause the broadcasters are the source of all the data given herein. They are (or should be) interested enough to answer the inquiry sent them overy time data on their station appears. This inquiry contains a proof of their last listing and must either be corrected or O K'd as correct and

returned to the Digest. Nevertheless, sometimes the stations are careless and mistakes are made. But Radio Digest is so sure of the exactness of

and mistakes are made. But I read pigest is so sure of the exactness of this directory that this challenge is made unconditionally. With reference to the directory: It appears in six parts, serially continuously: the first four parts are station data listings, arranged alphabetically; the fifth part is a state, city index of stations; the sixth part is a wave length index. The information contained in each station data listing is given in the following order: Call letters, city, state, wave length used, watts antenna input, owner's name, anouncer's name, slogan used if any, name of listener in "club," schedule of operating hours, and kind of time used, as "Central," "Mountain," etc.

schedule of operating nours, and kind of time used, as "Gentral," Mountain," etc.
Six successive issues of Radio Digest will give one the most complete and accurate list of broadcasting stations obtainable. This service ing stations obtainable. This service is original with this publication, and has been maintained from the start. Right of reproduction without permission of any or all of the data contained herein is denied.

Remedy Co. Announcer, H. A. Marshall, Daily ex Sun, 11:50-12:30 pm, question box, markets. Wed, 8:30-10 pm. Central. R. 280.7m:1150ke. 100 watts. KFMR, Stoux City, Ione. 280.7m:1150ke. 100 watts. Wed, 8:31-10 pm. Central. Research Control of the Control of the

Mon, 6-11. Sun, 2-360-4 nm; 8-10. Pacific.

KFOO, Stil Lake City. Thish. 253.In-1270kc. 550 watts.

Latter Day Saints University. Aumonomer, Dan C.

KFOR, David City, Nein. 293.4m-1230kc. 150 watts.

Latter Day Saints University. Aumonomer, Dan C.

KFOR, David City. Nein. 293.4m-1230kc. 160 watts.

David City Tire & Else. Co. Amonomer, Frank W.

Torter. Slocan, The Price of David City. Catendary, Control of City. Catendary, Catendary,

Sinons General Bospiss, Economics Person Dept. Dept. Dept. KFUR, Ogden, Utah. 223.7m-1540kc. 160 walts. Person Building Co. Tues, Thurs, Sat, 9:50-11:50 pm, dance

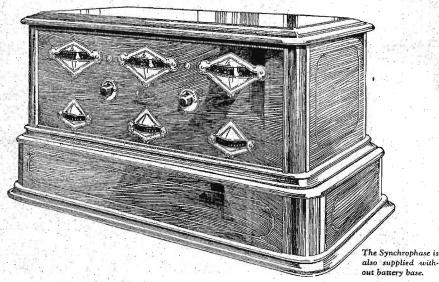
sinonii General Hespital, Educational and Detersalonal, School, 1988, 2018. South School, 1989. South Scho



"Where there is much merit there is great reward."

The merit of the Synchrophase has long been proven.

Doctor My



## The Practical Value of Superior Construction

Out of the thousands of Grebe Synchrophase receivers sold during the past fall and winter, exactly seventy-three were returned to us for replacement or adjustment.

Isn't that about as near to 100 per cent perfection as human frailty can come?

The Synchrophase is built to give full satisfaction to its owner; its record shows that it does.

Ask your dealer to demonstrate the many exclusive Grebe features that, added to its sound construction, bring complete radio satisfaction

A. H. Grebe & Company, Inc., 109 West 57th Street, New York
Factory: Richmond Hill, New York
Western Branch: 443 So. San Pedro Street, Los Angeles, Cal.

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

This Company owns and operates stations WAHG and WBOQ; also low-wave rebroadcasting stations, Mobile WGMU and Maying WBMI



TRADE MARK

All Grebe apparatus is covered by patents granted and pending



Grebe

Grebe Binocular Coils Reg. U. S. Pat. Off. and

Low-wave Extension Circuits



Flexible Unit Control

