Opening Baseball Games to Go on Air

Radio Digest

EVERY WEEK | Illustrated | TEN CENTS

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"Sunflower Girl" Vamps Texans; WDAE Steals Fish Playground; Women's Programs; Seventh Installment of "A Step On the Stairs;" Super-Torodyne, New Improved Super

No. 3 OFFICIAL BALLOT

Announcers' Contest

RADIO DIGEST THIRD ANNUAL GOLD CUP AWARD

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

Please credit this ballot to:

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

Signed.....

Address.....

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

4-10-26

NOMINATION CERTIFICATE

Announcers' Contest

Radio Digest Third Annual GOLD CUP AWARD

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

Dear Sir:

I nominate.....

Station.....
(Broadcasting Station)

Signed.....

Address.....

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

McNAMEE AND HAY QUIT GOLD CUP RACE

CONCLUDE ONCE ENOUGH TO WIN FIRST PLACE

1924 and 1925 Victors Establish Precedent—Eighteen New Candidates Entered in Announcers' Race

Stand by for a shock, ye supporters in the Middle West of George D. Hay, WSM, and in the East of Graham McNamee, WEAF, for they have philanthropically and voluntarily decided that they will not try for the Gold Cup Award this year.

The decisions not to run, tendered by the winners of the 1924 and 1925 Gold Cups, arrived by mail almost simultaneously. The two letters were but several hours apart, and each of the past champions voiced the sentiment that one cup was enough for any announcer. It was time to get out of the race and let the other fellows win.

Both McNamee and Hay feel that they would not win again this year regardless of their running, but that the votes which would be wasted upon them should go to someone else.

McNamee Describes Cup

So that ends the race as far as McNamee and George Hay are concerned. The Gold Cup Award editor accepts their withdrawal, and the precedent of "single terms" for Gold Cup announcers is thus established.

Graham is much pleased with the cup he won last year by the aid of his friend announcers and Radio fan supporters. He says:

"The cup graces the top of my Radio set and looks very beautiful in its glass case. The usual comment of friends who see it for the first time is that it is, undoubtedly, the most beautiful cup they have ever seen. I feel the same way about it myself and am very proud to be the possessor of such a beautiful piece of art work."

Nominations Come in Fast

Added to the sixteen nominations announced last issue, eighteen more candidates have been put in the race by listeners in. Old and new names, handling microphones scattered from the Mississippi's delta to the seat of the Canadian government, and from the Atlantic seaboard to the wheat belt, are found in the list. The eighteen new contestants are:

CNRO.....A. W. Ryan
KDKA.....George S. Ryan
KTHS.....G. C. Arnoux
KFNF.....Henry Field
KYW.....Sen A. W. Kaney
WAPI.....W. C. Wall
WCX.....C. D. Tomy
WDAF.....H. Dean Fitzer
WDOD.....John T. Carter
WGN.....Quin Ryan
WHO.....N. Dean Cole
WJZ.....Norman Brokenshire
WJZ.....John B. Daniel
WOC.....Peter McArthur
WOI.....Andy Wolfreese
WOAW.....Lester Palmer
WRC.....Edw. B. Husine
WSMB.....C. R. Randall

If your favorite announcer's name is not in the list above or did not appear last issue, fill in the nomination blank at the right top of this page and get him into the running. Then SAVE your ballots for him. Don't miss a SINGLE ballot, for when these are turned in to Radio Digest in a group of CONSECUTIVE numbers, a pleasing and worth while bonus of extra votes is allowed the announcer for whom you are voting.

How Bonus Votes Are Given

The ballots, which appear weekly beginning last issue at the left top of this page, are numbered consecutively. They will appear every issue until the close of the contest. Each of these ballots will count for one vote when sent in separately.

But when held until you have four consecutively numbered ballots, and sent in at one time to Radio Digest, a bonus of eight votes, or a total of twelve votes, will be allowed the candidate for whom you are voting.

The larger the number of consecutive ballots submitted, the greater is the bonus allowed. Eight consecutive ballots receive a bonus of twenty votes, or a total of twenty-eight 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 and including the last, which will appear in the September 1 issue, a bonus of fifty votes will be allowed.

Send in nominations or ballots to the GOLD CUP AWARD EDITOR, Radio Digest, 510 North Dearborn street, Chicago.

The government of the Dutch East Indies has authorized the erection of a large broadcasting station and the private use of receiving sets under license.

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Looking Ahead

In the Next Issue of Radio Digest, readers of the thrilling Radio mystery serial, "A Step On the Stairs," will find a great many enlightening incidents. Real names and real characters will be discovered by the police motor lights. It will seem to unfold most of the mystery—and yet, will it? Draw your conclusions and get ready to write your own answer for one of the big cash prizes.

Pensacola Is One of the Old Towns on the Gulf Coast of Florida. It is one of the old forts, rich in traditions but keenly alive to the trend of modern life. It has established its own broadcasting station, municipally owned and controlled. You will be interested in reading about WCOA at Pensacola, Florida, in our next issue.

Just as Individuals Have Personalities, vivacious or serious and dignified, poised or hoity-te-toity, musical or speechy and educational, so do these characteristics identify various broadcasting stations. A bit of analysis along this line with special reference to WGCP, New York, in a forthcoming issue of Radio Digest.

The "Don't Bloop" Articles Continue. The technical staff, in the next issue, will offer timely advice for the selection of interference inspectors, together with the circuit and constant values for the construction of a portable receiver.

Interested in "Supers"? Professor Owen's second article of his series upon the Super-Torodyne will be of unusual interest to those who enjoy building the latest. Panel layouts and arrangement of parts will be described.

HOLLYWOOD SINGER HAS PERFECT VOICE

MISS Lilyan May Challenger, who adorns our cover this week, is the girl who sings the silver chord during the hour of the Silvertown Cord orchestra at KNX, Hollywood, California, every Monday night from ten to eleven, Pacific coast time. She cherishes a unique distinction in a compliment received from Dr. Lee De Forest, father of the modern Radiophone, who declared that she had "a perfect Radio voice." The tone is contralto and by gift of nature the quality seems to be of a precise vibration that makes transmission practically 100 per cent perfect.

Newsstands Don't Always Have One Left

WHEN YOU WANT

Radio Digest

YOU WANT IT!

BE SURE OF YOUR WEEKLY COPY BY SUBSCRIBING NOW

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

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

Name .....

Address .....

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

NEWS BRIEFS FROM THE BROADCASTERS

WAR-TIME TUNES WILL BE PLAYED THROUGH WJZ

Lieut. Macready to Speak Over WLW—KSD, St. Louis, Joins Capitol Theater Gang

"Memories of the World War," a collection of 1917-18 tunes made by Capt. Wm. J. Stannard, U. S. army band leader, will be repeated by WRC, Washington, and WJZ, New York, during the latter part of April.

* *

Lieut. John A. Macready, famous for his altitude and transcontinental airplane flights, will speak from Crosley WLW, Cincinnati, on Tuesday evening, April 13, at 7 o'clock Central time.

* *

Station KSD, St. Louis, has been added to the list of broadcasters giving the Sunday evening programs from the Capitol theater, New York. The seven others on the list are WEAF, WCAP, WJAR, WWJ, WCAE, WEEI and WTAG.

* *

The North Dakota American Legion official program will be given from Station WDAY, Fargo, on April 18, from 4 to 6 p. m. Central time. The wave length is 261 meters.

* *

President Coolidge, unable to attend in person, will be one of the many listeners hearing the party of the Exchange clubs of Connecticut, to be broadcast from WTIC, Hartford, on Saturday, April 10, at 8:30 p. m. Eastern time.

* *

Two one-act plays, written for Radio, will be presented on Thursday evening, April 15, by the KGO Players, at Oakland, under the direction of Wilda Wilson Church.

* *

"The Oriental Symphony" is the latest WGN attraction. It is a studio orchestra which plays special arrangements of every one of its selections of popular music.

* *

Over $50,000 worth of presents were given away by the Missouri State Marketing Bureau station, WOS, when an interstate old fiddlers' contest was held last week. Sixteen fiddlers from eight states participated.

* *

Robert Hurd, well-known authority on music and entertainment, has been added to the staff of KFI as program director. His duties, KFI emphasizes, will be as large and important in scope as the leading motion picture directors are to the motion pictures.

* *

Members of the Kittredge Glee club were heard over WGBS, New York, last week in a program of Easter carols and appropriate music aided by the ukulele section of the club. The Kittredge Glee club was founded 35 years ago by the Rev. A. E. Kittredge for the professional and business girl.

* *

The latest "nut" club to take the air is the "Wisecracker Club" of KNX, Hollywood. It is now one month old as a weekly feature. The "Duke" and the "Count" are the "Chief Crackers."

* *

A modern adaption of the old-fashioned almanac is heard nightly from WLIB, Chicago, at 7:20 p. m. Central time. The broadcast's nature is very similar to the type of material found in the almanac, and it precedes the weather forecast for the night and following day.

* *

A New York Liederkranz and a Syracuse dance orchestra entertained listeners in the African rand and veldt recently when WGY's program was rebroadcast in Johannesburg, South Africa, in what is believed to be a record relay. WGY's 32.79-meter wave was received and repeated on a higher wave by an African amateur.

STATIONS READY FOR BASEBALL

BIG PAGEANT TELLS AMERICA'S HISTORY

EIGHT-HOUR PROGRAM IS GIVEN THROUGH WOAW

Listeners Ride With Columbus on "Santa Maria" and Through Events Up to World War

OMAHA, Nebr.—"America," a Radio historical pageant, lasting eight hours, was broadcast here last week by the Woodmen of the World station, WOAW. Written by Eugene Konecky, announcer, poet laureate, and well-known author of the staff of the station, "America" afforded a presentation not often heard by Radio listeners.

Twenty-three episodes revealed through their musical arrangements and dramatic scores the history of the United States since the discovery of San Salvador by Columbus. The elaborate celebration was in commemoration of the fourth anniversary of Station WOAW, the voice of the Woodmen of the World Life Insurance association.

Pageant Covers Nation's History

By means of the pageant, which is believed to be the first ever attempted over the microphone, listeners rode with Columbus on the "Santa Maria," penetrated Florida with Ponce de Leon, looked for the first time down upon the peaceful waters of the Pacific ocean and fought the Indians at Jamestown.

They again sat in on the drawing up of the historical compact aboard the "Mayflower," struck for liberty with Roger Williams at Providence, witnessed the futile dream of the Indian chief, Pontiac, as it was shattered by the white man's power, and kaleidoscopically reviewed the epochal periods of the American revolution, the Gold Rush, the Civil war, the Spanish-American war, and the great World war.

The musical arrangement included choruses, bands, quartets, and instrumental and vocal soloists. Hundreds of ingenious sound effects were created.

INSTALL RADIO SET IN LONG NON-STOP TRAIN

Arrangement Will Make Trip of 226.5 Miles Entertaining

LONDON.—The Great Western railway, one of the "Big Four" of the British railway world, has installed loud speakers in the dining car of the famous Cornish Riviera express which leaves London at 10:30 a. m. daily for Plymouth. In addition head phones will also be available for use in the coaches.

The railway's object is to make the longest non-stop run in the world—226½ miles—an entertaining one for passengers. The trains travel at the speed of seventy-seven miles per hour.

Western Stations Showing Interest in Rebroadcasts

LOS ANGELES.—Due to the great distances in the far West with the resulting prohibitive cost of telephone interconnection between broadcast stations in the various cities, a great deal of interest is being shown in rebroadcasts. The only telephone hook-up between stations in the West is the one between KFI and KPO, a distance of slightly over 525 miles.

Stations KNX, KMTR and KFWB in Hollywood each have portable short wave transmitters mounted in busses which are used to feed programs to the main stations.

The following stations have signed off: KDZB, Bakersville, Calif.; KFAJ, Boulder, Colo.; KFVH, Manhattan, Kan.; KUO, San Francisco, Calif.; WDBC, Lancaster, Pa.; WEBM, portable; WHBK, Ellsworth, Me.

KIND BANDITS GIVE VICTIM FARE HOME

CHICAGO. — J. Elliott Jenkins, wealthy Radio engineer and broadcasting station contractor, was kidnaped here in his automobile on a recent night by seven armed men. His wife, formerly Alexandria Carlisle, famous actress, gave chase but lost the bandit car. However, the kidnaper-robbers were kind and removed but $16 from Mr. Jenkins' pockets, giving him $1 for taxi cab fare home. "I had the time of my life," he told his wife after rejoining her.

TELEVISION WOULD END WAR—MARCONI

LONDON.—Senatore Guglielmo Marconi has declared in an interview with the "Vossische Zeitung" that television will make war impossible two years hence. By that time, in the great inventor's opinion, the problem of sight at a distance will have been completely solved, and it will thenceforth be impossible for any troops to take cover without being "spotted" by the enemy.

DOUG, MARY AND ANNE VISIT WBOQ

Mary Pickford and her husband, Douglas Fairbanks, paid A. H. Grebe Station, WBOQ, a visit recently in the company of Anne Morgan, wealthy philanthropist, and so the picture above was snapped. Mary is pouring her reasons for being a professional woman into WBOQ's mike while Doug strums an obbligato on the Irish harp and Anne looks on amusedly.

In Moment of Weakness, Man Confesses Doing 'Slow Train Through Arkansas'

Thomas W. Jackson of Chicago, Ends Search of Years When He Breaks Down and Tells KTHS Audience He Wrote Book That Sold 7,000,000 Copies

Who wrote the "Slow Train Through Arkansas?"

That question has rankled in the breasts of Arkansasians for, lo, these many moons. The author of same has often been invited back,—to be shot, but so far there has been some confusion as to just who was the "guilty" party. Some thought it was Opie Reed, the famous wit and writer of 60 published books.

But it took Radio to set the question,—and the "Slow Train Through Arkansas" has always been a tender spot down in the "Wonder State,"—to rights.

Opie Reed recently paid Hot Springs a visit on the famous golfers' pilgrimage conducted by the Golfers magazine. Opie came to KTHS, the New Arlington hotel at Hot Springs, and took up ten minutes telling the folks tuned in that he most emphatically did not write same, but that "a fellow named Jackson" did. In fact, he was so emphatic that he forgot to tell any of his famous jokes, except one,—namely that in all the 300 golfers on the pilgrimage,—only one to date had lied about his score.

Two weeks later came Thomas W. Jackson, of Chicago and he also appeared before KTHS' mike to plead guilty to the charge of writing the "Slow Train Through Arkansas,"—which by the way has the record of 7,000,000 copies sold, more than any copyrighted book in the world.

Jackson hastily pleaded guilty, but said he had no insidious intentions to reflect on Arkansas when he wrote it. At that time, he said he used to travel the cotton belt and was a railroad man himself. In those days, he told his Radio audience, the engineers used a calendar instead of a time table and the whiskey dealers sent their shipments via Cotton Belt to prove its age.

Following his talk, which settled once and for all the burning question of the "Slow Train" and its author's purposes in writing it, the neck tie parties tuned in, took a vote and decided to dismiss the charge.

Eastern Man Listens to KFI 100 Evenings

Has Better Reception This Year Than During 1925

LOS ANGELES.—G. Edward Elwell of Bloomsburg, Pa., earned the coveted title of KFI's official listening post when he recently sent in his 100th consecutive log of a portion of KFI's programs.

During 1925, Elwell attempted to get the record of 100 night's consecutive reception of the Pacific coast station, but summer static broke in after he had logged them for 68 times straight. Starting again on November 1, 1925, Elwell has received KFI each night for 100 times and is going strong on the second hundred.

FOUR OF BIG LEAGUE OPENERS ON AIR WITH SEASON'S START

Broadcasters Announce Heavy Schedules Devoted to National Pastime—Many to Give Play-by-Play Results—Majors Start April 13

Four of the eight major league baseball games surely, and possibly more, will go on the air April 13, play-by-play and direct from the diamonds when the royalty of the bats and bases, outfield and pitcher's box, once more get into swing for a grand and glorious bunch of home runs and triple baggers. Principal broadcasting stations scattered all over the country are preparing to make the ball season of 1926 the best known in history.

Ball-Radio fans will have the opportunity of their lives of hearing the diamond news first hand over their receivers. Office boys will not need to hold open season for grandmothers—all they'll need will be crystal sets.

Four Big League Games on Air

The four major league games which will be broadcast play-by-play on Tuesday, April 13, when the Nationals and Americans start their season, and the stations which will give them are:

Brooklyn at New York, WJZ, WGY.
Chicago at Cincinnati, WLW.
St. Louis at Chicago, KOA.
Philadelphia at Washington, WRC.

WRC had not completed arrangements for handling the latter game as this paper went to press, but it is almost certain to be broadcast. Besides the opening game, WRC plans to give play-by-play results this season for every game the Washington American league champions play away from home, beginning on April 21 when Washington plays Philadelphia. Bulletins from other major league games will be announced between innings, and every evening this Washington station will report the complete daily scores in all leagues.

KOA to Give Western League Opener

WJZ and WGY each night throughout the season will give the results of all the major league games, and as usual will broadcast the play-by-play story of the World Series.

Following the opening game between the Chicago Cubs and the Cincinnati Reds, WLW will devote the rest of the season to giving results of all major league games every evening except Sunday at 6:50 p. m. Central time. Sunday evening the scores will be given some time during the program.

KOA, General Electric station at Denver, is going into sports broadcasting this summer very thoroughly. The Denver-St. Joseph opener of the Western league will be given play-by-play on Wednesday, April 14, following the Chicago-St. Louis game on Tuesday. Tennis, golf and other tournaments will be broadcast as they occur.

Chicago Cub Home Games Covered

WMAQ, the Chicago Daily News broadcaster, carrying the authoritative descriptions of Hal Totten, sports announcer, will give play-by-play results direct from the diamond for every home game, except those on Sundays, of the Chicago Cubs. When the Cubs are away from home, only the scores will be broadcast.

Unless one of the Chicago teams figures in the World Series, WMAQ will also broadcast the City Series between the Cubs and the White Sox. Every afternoon, except Sunday, at intervals of fifteen minutes, WMAQ will broadcast the scores by innings for the major league games.

The first home game for the Chicago

(Continued on page 16)

YIPE-YIPE, BOW-WOW, DOGGIE DOES IT NOW

NEW YORK.—Dogs now bark for the morning exercises! A letter just received by WEAF, which broadcasts each morning the "Tower Health Exercises" of Arthur E. Bagley direct from the Metropolitan Tower, New York, asks for an exercise chart especially prepared for Boston Terriers. This Radio "fan's" dog insists on his "Daily Dozen" each morning. Yessiree, it's a dog's life to have to get up every morning and do those setting-up exercises, bow, wow!

Sunflower Girl Vamps Texans

She's very shy, extremely modest but, Boy, how this Sunflower Girl (above) can sing! She has been missed sadly during her recent vacation from WBAP.

SWEET Singer From Kansas

Returns Soon from Short Vacation to Listeners of WBAP, Fort Worth. Hired Hand Trains Her Voice to Suit Mike.

By SUSAN HAYMES

IT ISN'T very long—only two or three months—since the Sunflower Girl of Kansas first began singing over WBAP, the Fort Worth Star Telegram and Record Telegram station at Fort Worth. It was a voice with a decidedly new lilt in it, with magnetic personality back of it, and a voice that was broadcasting to an unusual degree of clearness and naturalness. From the very beginning, it seemed to excite an unusual interest in the minds of the Radio fans.

They began even then to write letters to WBAP, asking about the new singer. "Please tell us something about the Sunflower Girl," they wrote; and they have continued to make that request with increasing frequency.

Anyone who knows her would jump at the chance of answering these queries about her! She is the kind of person you LIKE to talk about—provided you enjoy talking of people who make you feel happy. Without being in anywise a Pollyanna, she is a record-breaker when it comes to dispensing good cheer.

WE MENTIONED the power of her voice carrying clearly and naturally. There's a reason. It has been the oft-repeated contention of the Hired Hand, substitute announcer of WBAP, that Radio singers should be trained for microphone singing, and not attempt to tune the microphone to the singer. The worth of his contention is clearly established in this case, the initial one he has tried out.

It has been necessary for the Sunflower Girl to pitch her voice lower than was accustomed. She transposes all her music to meet this condition, and by virtue of playing her own accompaniments, the difficulty is not great.

Just who the Sunflower Girl is outside the studio really doesn't matter. The Hired Hand confides that she is a relative. Be that as it may, the Radio fans will wink knowingly and believe it to be just more Truth Society stuff. Her home is in Kansas City to which she has returned for a short stay but will soon be heard again from the Texas station.

The Sunflower Girl smiles and says there is quite a difference between her first record—receiving three letters a week—and two of those—bills, and getting 3,919 letters in five days, her record for one week. Invitations for prolonged visits come frequently; sometimes a proposal for her fair hand slips in; but always there is candy by every post.

NOT by any means the least appreciated of her candy gifts, was a box packed with the candies dear to the heart of childhood: lollipops and licorice and all-day suckers, candy hearts and jelly beans. "Do you know," the Sunflower Girl said, "I cried when I opened that box and the realization came to me of all that it had meant to the donor to send that dear little box to me."

Other gifts include a bear-skin rug from Radio fans in the mountains of Colorado. From Radio fans on an Ohio prison farm came a beautiful pen and ink sketch of the Sunflower Girl, seated before a piano, as visualized by them. Foreign coins are also cherished mementos, as well as the exquisite pearls she wears.

The Sunflower Girl endeavors to answer all letters, but even with the aid of an assistant, it is an impossibility. "You'll tell them that I do so love them all though," she said.

You've heard the Hired Hand say Sunflower's hair is red, haven't you? And you've heard her contradict that it is vermillion, too, haven't you? Honest Injun, it is the beautiful shade of Titian that artists rave over, and a peaches and cream complexion, with nary a freckle to mar it. She is "five foot two" and one hundred and two.

The Sunflower Girl says she received the thrill of her (*Continued on page 20*)

"But wouldn't you like to know her real name?" taunts Hired Hand (below) at WBAP, Ft. Worth, who discovered Miss Sunflower.

WDAE Steals Fish Playground

MILLIONAIRE BUILDS *Wall Around Section of Tampa Bay and Fills It up with Florida Real Estate. Antenna Towers where Tropical Fish Once Romped in Glee.*

With Miss Dorothy Mason (above) to instruct through the microphone and Isham Jones' orchestra (below) to play there should be no reason why WDAE listeners shouldn't know how to dance.

By HAROLD P. BROWN

"FLORIDA," that magic name, "Flowerland," has been in the minds and on the tongues of more people in the United States during the past two years than has the name of any other state in the Union. Yes, it seems as though even glorious California with her own private climate and beauteous scenery must make a slight though haughty bow to the fair sister at the gateway to the Gulf of Mexico.

Every Main street in the country has its local citizen who has turned a pretty penny in Florida, buying and selling lands and estates or town lots. Then there is the enticing languor of the old South, the Spanish architecture, moss draped trees, little lakes of crystal water, long stretches of hard, shell roads and the mellow warmth of a summer sun in winter. Above all, however, is the enticement of riches quickly gained. the vision of cities springing up in grandeur on fronded shores, marble palaces, business enterprises, houses with red tile roofs, great public works, ten-mile bridges, new railroads —prosperity, PROSPERITY!

Although the roads to Florida have been glutted with touring motorists all winter long and embargoes have been placed on freight because of the surplus of shipments, there is no rest from the beckon and call on the part of those who are there and "there to stay," as they proudly declare. Only the limitation of broadcasting waves prevents Florida from bristling with antenna towers from Jacksonville to the Keyes.

But Tampa was lucky. It has the Tampa Times and the Tampa Times was foresighted enough to establish its station, WDAE, five years ago—the first in the state. During the past two years that city has seen a building growth that meant the actual expenditure of $20,000,000. In fact the big hotels and apartments have been springing up in such close proximity that one enterprising real estate man obtained title to a section of land at the bottom of Tampa Bay, built a sea wall around his property, filled it up with a thousand acres of real estate and on this he built a Radio station.

IT WAS largely on an impulse that Dave P. Davis, the builder of the island, decided as an afterthought to add a Radio station. He had recently abandoned all other sports for the DX chase. And it was nothing at all for him to stick to the dials until the morning sun crept into his room. He figured he was not alone in this DX world, so he called in his friend "Tod" Megargle of the Tampa Times after one particularly successful night and they mapped out a 5,000-watt station. He would give those other DXers a new one to put in their log books.

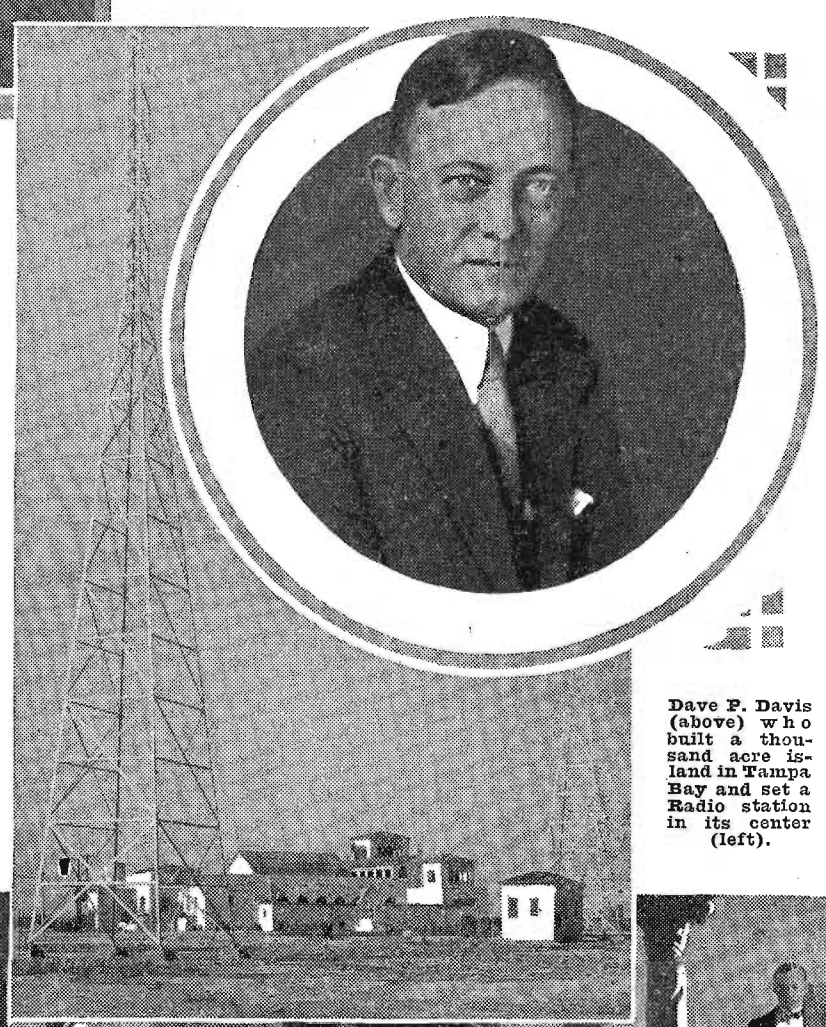
There was the money, the disposition, the location and the goods, but they had not reckoned with the government wave dispensers. No wave was obtainable. Very well, Station WDAE of the Tampa Times would serve for both. A cooperative agreement was satisfactorily arranged. The engineers went to work and two 110-foot steel towers loomed up on the Davis Islands where formerly the tarpons and flying fishes sported in their tropical glee. Facilities for a 5,000-watt transmitter were installed.

While work was progressing on a new administration building and studio, temporary quarters were fitted up in the Davis Islands Country club.

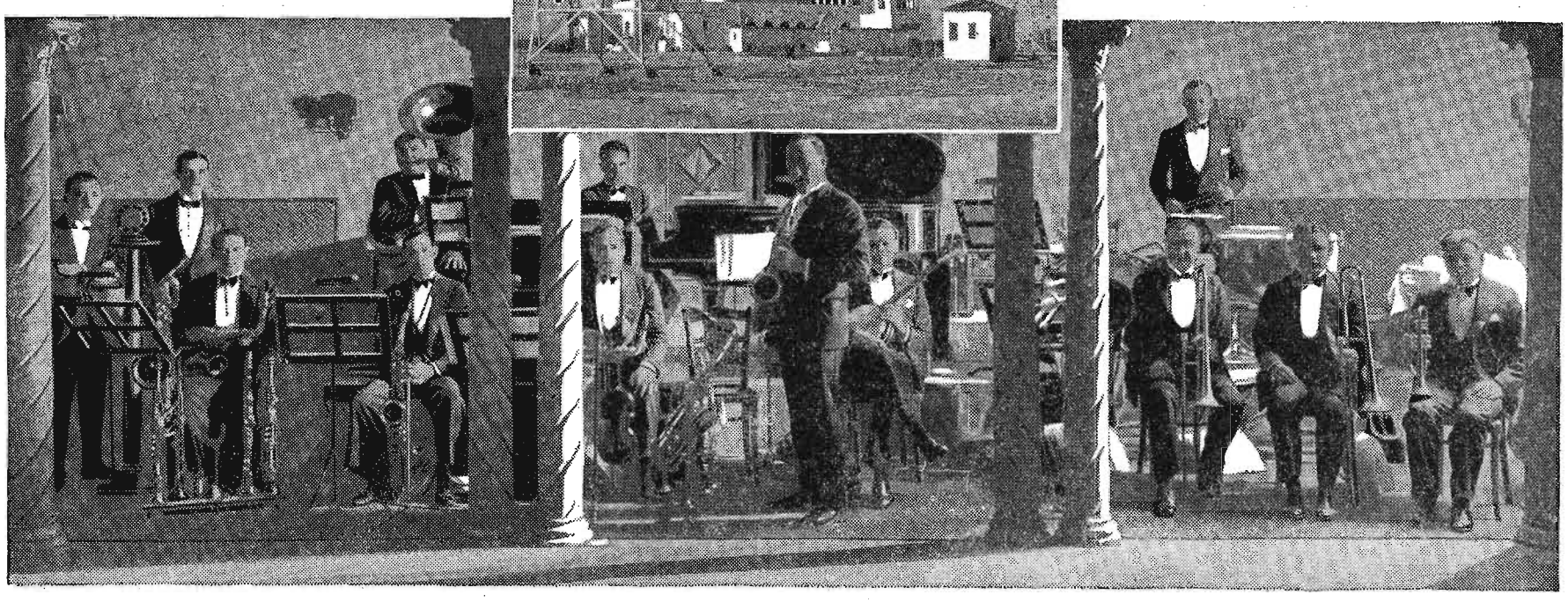
But the villain still pursued them. Station WDAE was not permitted to increase its power to 5,000-watts. Donald Thompson, one of the best Radio engineers in the South, scratched his head and got out a pencil. He had a lot of expensive material on hand to play with but he didn't "durst" shoot more than 250 watts at a crack. Like a cat on a wet lawn he got into the middle of it and began to juggle the various parts around in a way no one ever had heard of before. He was in his element. When he stepped out it was something entirely different than it had originally been. Don stood back and beheld the contrivance lovingly, a child of his own. Would it work?

Would it? Ask Robert T. Porter of Honolulu. Ask John P. Hoyt of a town in northern Alaska. Ask a score of other persons scattered from South America to upper Canada, who responded with letters and cablegrams from these ultra DX points to WDAE, Tampa, Florida, that opening night. And WDAE did it and is continuing

(*Continued on page 20*)



Dave P. Davis (above) who built a thousand acre island in Tampa Bay and set a Radio station in its center (left).



CHOP SUEY SOLVES LIST OF PROBLEMS

DISH IS EASILY MADE OF CHEAP INGREDIENTS

Miss Betty Crocker Also Gives Recipes for Cooking Swiss Steak and Soup Stock

Have you heard, and do you regularly listen for Betty Crocker's Radio talks? Miss Crocker is nationally known as a home food specialist who is broadcasting from a dozen of the country's largest stations. By special arrangement Radio Digest has secured a series of exclusive articles by Miss Crocker dealing with her current Radio talks. These broadcasts are made through WEEI, WEAF, WCAE, WGR, WEAR, WWJ, WDAF, WJAR, WHT, WFI, KSD, KFI, and WCCO, the Gold Medal station at Minneapolis-St. Paul. All of Miss Crocker's recipes and discussions are based upon actual investigations and work of herself and her assistants in model kitchens.—Editor's Note.

By Betty Crocker

BECAUSE of the hundreds of requests coming in, it is impossible to give a whole talk on each subject requested, and so I have decided to give you a collection of recipes for which we have had many requests. The first recipe I am going to give you will answer many questions. It is a good left-over dish, a one-dish meal, and another suggestion for using a cheap cut of meat. It is American chop suey. Here is the recipe:

One-half pound lean pork, 1 onion sliced, 5 cups soup stock, 2 cups celery, 2 tablespoons chop suey sauce, 1 green pepper, ¾ cup uncooked rice, 1 tablespoon sugar, 3 teaspoons salt, ½ teaspoon pepper.

Method: Cut meat in small pieces. Cook pork and onion together in the fat cut from the meat. When partially cooked add celery, green pepper, uncooked rice, soup stock and chop suey sauce. The celery and green pepper should be sliced but not finely chopped. Add seasonings. Cover and let cook slowly until tender. The total time of cooking is about 40 minutes. This amount will serve six. The chop suey sauce may be omitted if you do not care for it, and if you do not have the soup stock on hand, bouillon cubes may be substituted.

Swiss steak is another recipe for which we have had many requests. This is the way we prepare it in the Gold Medal Flour kitchen: Two pounds round steak, ½ cup Gold Medal flour, 3 teaspoons salt, ½ teaspoon pepper, 3 tablespoons shortening, 2 cups tomatoes, 2 tablespoons chopped onions.

Method: Mix flour, salt and pepper together. Wipe off steak with a cloth wrung out of cold water. Pound the flour into the steak. Heat the fat in the frying pan and brown the steak on both sides. Add tomatoes and chopped onions. Cover and let simmer slowly over the fire or bake in a moderate oven, 350°F. The time required depends upon the thickness of the steak. If one-inch thick, it will require two hours cooking. This amount will serve eight. Remember that after searing the steak, the cooking should be done slowly. The flour and tomato will cook down to a smooth paste, making a sauce to serve over the steak. If it should cook too fast and become dry, add a small amount of boiling water during the cooking.

Making Soup Stock

One of the questions that comes in very often is, "What is soup stock, consomme and bouillon?" Soup stock is the foundation soup made of meat with some bones and vegetables added. When it is clarified so that it is perfectly clear, it becomes either bouillon or consomme. The difference between the latter two is that bouillon is darker in color and stronger in flavor.

(Continued on page 17)

MICROPHONE SNAPS HER JOB AT DENVER

Microphone snap shots of human nature, based on colorful experiences and observations of a woman newspaper columnist, comprise the newest attraction over KOA at Denver. This new offering over the General Electric station will be launched the third week in April as a triweekly feature by Marjorie Irene Bond who writes under the pen name of "Cynthia Grey" for the Denver Express.

FROM GARDENS TO CANDY OVER WJZ

New York Station Has Extremely Wide and Varied Schedule for Women

NEW YORK.—The period of WJZ's daily broadcast devoted to the women of the listening audience is now the half hour between 4:00 and 4:30 each afternoon except Saturday and Sunday.

Mrs. Julian Heath, the president of the National Housewives league, with her excellent advice on home economics and daily menu, is an every day feature but the other subjects taken up are extremely varied. There is a shopping service for the out-of-town woman, a course on paper decorations and flowers; a course on the care of the skin and complexion and another which tells the housewife how to care for her garden.

Another regular talk tells her how to make her own clothes while another keeps her informed as to what other women are wearing. Interior decorating is another subject, while the kitchen is not forgotten in a series on the proper use of the gas stove and another series on meats.

Elinor G. Hanna, the candy expert, is conducting a course on candy making with excellent results. The mail response shows that the women are enthusiastic in their praise of the effort WJZ is making to assist them in their household work.

SHORT WAVES

By Marcella

Clyde R. Randall or "CRR" of WSMB, in answer to Jean of Waterloo, is a nice plump little fellow weighing anywhere from 170 to 185 pounds, depending upon the regularity with which he finds time to eat. In addition, he has, as added physical attractions, eight good teeth, gray hair, blue eyes, some freckles but no pug nose, a trace of bow-leggedness and good arches in each foot. His height is about 5 feet 7 inches, but much shorter at times just before pay day. He does all of his announcing by the use of his mouth, various other sounds notwithstanding, and oh yes—he is happily married, although his wife does not come to the studio. His ambition? Just to run inside the first ten for the Gold Cup award. Now I must confess, Jean, that this horrid sketch is not my own. Mr. Randall did it all himself, so you see I am not so cruel to him. I think he's very nice anyway, don't you?

* *

Jerry Sullivan is married, Ruth, but I am sure he would certainly be glad to migrate to one of the Columbus, Ohio, stations to give them "some life," as you say, if he knew how well you liked his work.

* *

Frank Morris, former WTAS singer and entertainer, died about a year ago, I believe it was. This will answer Mrs. J. E. C., Lola and R. W. B. Lola, you did mean Morris, not Morrison, didn't you? I don't know where Eddie and Fanny Cavanaugh are. Wendell Hall is going the rounds. The last three weeks he spent in New York at WJZ. His future plans are to cover the larger southern stations and end up at Mexico City. Art Gillham, the "Whispering Pianist," was in New York for some time, but I believe he is now on tour.

* *

Lola adds that Tommy Malie came to life recently over KYW in a piano-song act with Jimmie Snyder at the piano. So Tommy hasn't deserted Radio after all?

* *

Gene Rouse has joined the fleeting mysteries. Haven't the slightest idea, Mrs. E. M., where he can be. I don't think,

(Continued on page 17)

WOMEN'S PROGRAMS INDEX

Saturday, April 10

Eastern 9:30 a. m. Central 8:30 a. m. Mountain 7:30 a. m. Pacific 6:30 a. m.
WWJ (352.7m-850kc) Tonight's dinner.
11 10 9 8
WEAR (389.4m-770kc) Home service talk.
WHT (399.8m-750kc) Women's club, Jean Sargent.
12 n. 11 10 9
WGN (302.8m-990kc) Household hints.
WQJ (447.5m-670kc) Home Economics program; "Stories about Famous Pictures," Margery Currey; "Spring Salads," E. Ransum.
12:30 p. m. 11:30 10:30 9:30
WGN (302.8m-990kc) Discussion of fashions.
12:35 11:35 10:35 9:35
KYW (535.4m-560kc) Table talk.
1 12 n. 11 10
KGW (491.5m-610kc) Household helps, shopping guide.
KMA (252m-1190kc) Domestic science topics.
4 3 p. m. 2 p. m. 1 p. m.
KJR (384.4m-780kc) Tonight's dinner.

Monday, April 12

Eastern 9:30 a. m. Central 8:30 a. m. Mountain 7:30 a. m. Pacific 6:30 a. m.
WWJ (352.7m-850kc) Tonight's dinner.
10 9 8 7
WTAG (268m-1120kc) Marjorie Woodman, nurse.
10:50 9:50 8:50 7:50
WMC (499.7m-600kc) Home economics discussion, Miss Kitty.
11 10 9 8
WEAR (389.4m-770kc) Home service talk.
WHT (399.8m-750kc) Women's club, Jean Sargent.
WNYC (526m-570kc) Women's program.
WTIC (475.9m-630kc), "Exterior Decorating," George Hollister.
11:30 10:45 9:30 8:30
KFAB (340.7m-1000kc) "4-H Clubs in Summer."
WTIC (475.9m-630kc) Housewife's forum.
11:45 10:45 9:45 8:45
WCCO (416.4m-720kc), "Gold Medal Omelets."
WDAF (365.6m-880kc, WHT (399.8m-750kc, WJAR (305.9m-980kc) Home service talk, Betty Crocker.
12 n. 11 10 9
WGN (302.8m-990kc) Household hints.
WQJ (447.5m-670kc) Home Economics program. "The Care of Your Easter Flowers and Plants," Maud Jacobs. "The Story of Raisins," Belle DeGraf.
WSWS (275.8m-1090kc), Style shop.
12:15 p. m. 11:15 10:15 9:15
KYW (535.4m-560kc) Meat talk.
12:30 11:30 10:30 9:30
WEBH (370.2m-810kc) Fashion and household talks.
12:35 11:35 10:35 9:35
KYW (535.4m-560kc) Table talk.
1 12 n. 11 10
WSOE (245.8m-1220kc), Ladies' hour.
2:30 1:30 p. m. 12:30 p. m. 11:30
KFNF (263m-1140kc) Mothers' hour.
WGY (379.5m-790kc) Cooking lesson, Jessie Lane. "Planting the Family Garden," R. Adams.
3 2 1 12 n.
WCCO (416.4m-720kc) Women's hour.
WSOE (246m-1220kc) Cooking chats.
4 3 2 1 p. m.
WIP (508.2m-590kc) Market hints for housewives.
WJZ (454.3m-660kc), "Your Daily Menu," Mrs. J. Heath.
WOC (483.6m-620kc) Home management schedule, Aunt Jane.
WQJ (447.5m-670kc) "Tempting Desserts for Spring," Helen Downing.
4:15 3:15 2:15 1:15
WJZ (454.3m-660kc) Flower Making Course, Doris Clark.
4:25 3:25 2:25 1:25
WJZ (454.3m-660kc) Shopping service.
5 4 3 2
KJR (384.4m-780kc) Home helps.
7:30 6:30 5:30 4:30
WEAO (293.9m-1020kc) "The Family at Dinner," Hughina McKay.
Eastern 12:15 p. m. Central 11:15 p. m. Mountain 10:15 p. m. Pacific 9:15 p. m.
KGO (361.2m-830kc) "Character Training in the Home," "Leisure Time," Edith Mirrieless.

Tuesday, April 13

Eastern 9:30 a. m. Central 8:30 a. m. Mountain 7:30 a. m. Pacific 6:30 a. m.
WWJ (352.7m-850kc) Tonight's dinner.
10 9 8 7
KDKA (309.1m-970kc) Domestic Science. Arts for the Housewife.
WIP (508.2m-590kc) Menu, Anna Scott.
10:45 9:45 8:45 7:45
WTAG (268m-1120kc) Talks to Mothers, Rosebelle Jacobus.
11 10 9 8
WEAR (389.4m-770kc) Home service talk.
WHT (399.8m-750kc) Women's club, Jean Sargent.
WMCA (340.7m-880kc) Home makers' hoor.
11:30 10:30 9:30 8:30
WOI (270m-1110kc) "Economy in Replacing Equipment and Furnishings"; "Dry Cleaning and Renovation of Clothing," Ruth Lindquist.
12 n. 11 10 9
WGN (302.8m-990kc) Household hints.
WQJ (447.5m-670kc) "Be Yourself," Lillian Russell. "The First Flowers of Spring," Josephine Burdette. Pep exercises.
12:30 p. m. 11:30 10:30 9:30
WEBH (370.2m-810kc) Fashion and household talks.
12:45 11:45 10:45 9:45
WSWS (275.8m-1090kc) Beauty talks.
2 1 p. m. 12 n. 11
WGY (379.5m-790kc) Woman's club.
3:15 2:15 1:15 p. m. 12:15 p. m.
WHO (526m-570kc) Recipes, household hints.
4 3 2 1
WIP (508.2m-590kc) Menu talk.
WJZ (454.3m-660kc) "Your Daily Menu," Mrs. J. Heath.
WOC (483.6m-620kc) Home management schedule.
WQJ (447.5m-670kc) "New Uses for Leftovers," Helen Downing. "Raisins," Belle DeGraf.
4:15 3:15 2:15 1:15
WJZ (454.3m-660kc) "A Beautiful Skin," Elizabeth Arden.
4:30 3:30 2:30 1:30
WLIT (394.5m-760kc) Household helps and hints.
5 4 3 2
KJR (384.4m-780kc) Home helps.
5:30 4:30 3:30 2:30
KOA (322.4m-930kc) Housewives matinee.
6 5 4 3
KOA (322.4m-930kc) Culinary hints, Clara Hoover.
6:15 5:15 4:15 3:15
KOA (322.4m-930kc) Fashion review, Sally Dee.
7 6 5 4
KFOA (454.3m-660kc) Today's recipe.
8 7 6 5
WPG (299.8m-1000kc) Fashion Flashes.
8:30 7:30 6:30 5:30
KGO (361.2m-830kc) As a Woman Thinketh.
10 9 8 7
KOWW (256.3m-1170kc) "Home Helps and Recipes," Josephine Wright.

Wednesday, April 14

Eastern 9:30 a. m. Central 8:30 a. m. Mountain 7:30 a. m. Pacific 6:30 a. m.
WWJ (352.7m-850kc) Tonight's dinner.
10 9 8 7
WIP (508.2m-590kc) Menu.
10:45 9:45 8:45 7:45
WEAF (491.5m-610kc) Home service talk, Betty Crocker.
WFI (394.5m-760kc) Gold Medal Service talk, Betty Crocker.
WTAG (268m-1120kc) Talk to Housewives, Mrs. Lydia Flanders.
11 10 9 8
WHT (399.8m-750kc) Women's club, Jean Sargent.
WNYC (526m-570kc) Women's program.
11:30 10:30 9:30 8:30
KFAB (340.7m-880kc), "Flower Arrangements."
Eastern 11:45 a. m. Central 10:45 a. m. Mountain 9:45 a. m. Pacific 8:45 a. m.
WCCO (416.4m-720kc) "Going to Market," Betty Crocker.
WDAF (365.6m-820kc) WHT (399.8m-750kc), WJAR (305.9m-980kc) Home service talk, Betty Crocker.
12 n. 11 10 9
WGN (302.8m-990kc) Household hints.
WQJ (447.5m-670kc) Home Economics program, "Cancer," Bertha Van Hoosen. "Your Husband's Breakfast," Marie Johnson.
12:10 p. m. 11:10 10:10 9:10
WSWS (275.8m-1090kc), "Counsel for Housewives."
12:30 11:30 10:30 9:30
WEBH (370.2m-810kc) Fashion and household talks.
WGN (302.8m-990kc) Discussion of fashions.
12:35 11:35 10:35 9:35
KYW (535.4m-560kc) Table talk.
3 2 p. m. 1 p. m. 12 n.
WCCO (416.4m-720kc) Woman's hour.
4 3 2 1 p. m.
WJZ (454.3m-660kc), "Your Daily Menu," Mrs. J. Heath. Fashion talk.
WLW (422.3m-710kc) Cooking school.
WOC (483.6m-620kc) Home management schedule, Aunt Jane.
WQJ (447.5m-670kc), "Why Eat More Greens?" Helen Downing. "Bread of Ages," Jean Rich.
5 4 3 2
KOAC (280.2m-1070kc) Housekeeper's half hour.
WMAQ (447.5m-670kc) Recipes.
6 5 4 3
KGO (361.2m-830kc) "Hints for Housekeeper."
7 6 5 4
KFOA (454.3m-660kc) Today's recipes.
KLX (508.2m-590kc) Woman's hour.
KMA (252m-1190kc) Domestic science talk.
8:15 7:15 6:15 5:15
KDKA (309.1m-970kc), "Home Disinfectants and Insecticides," Dr. Hedenburg.
10:30 9:30 8:30 7:30
KOAC (280.2m-1070kc) "Every Child—A Survey of His Development," Sara Prentiss.
10:45 9:45 8:45 7:45
KOAC (280.2m-1070kc) "Scheduling the Day's Work," Maude Wilson.

Thursday, April 15

Eastern 9:30 a. m. Central 8:30 a. m. Mountain 7:30 a. m. Pacific 6:30 a. m.
WWJ (352.7m-850kc) Tonight's dinner.
10 9 8 7
WIP (508.2m-590kc) Menu talk.
10:45 9:45 8:45 7:45
WTAG (268m-1120kc) Marjorie Woodman, nurse.
10:50 9:50 8:50 7:50
WMC (499.7m-600kc) Home economics discussion, Miss Kitty.
11 10 9 8
WEAF (491.5m-610kc) Talks, cookery lecture.
WEAR (389.4m-770kc) Home service talk.
11:30 10:30 9:30 8:30
WHT (399.8m-750kc) Women's club, Jean Sargent.
WOI (270m-1110kc) "Preparation for Leisure," Elizabeth Hoyt. "Planning for the Fair," Avis Talcott.
12 n. 11 10 9
WGN (302.8m-990kc) Household hints.
WQJ (447.5m-670kc) "Delicious Custards," Erna Bertrams.
12:30 p. m. 11:30 10:30 9:30
WEBH (370.2m-810kc) Household and fashion talks.
12:35 11:35 10:35 9:35
KYW (535.4m-560kc) Table talks.
2 1 p. m. 12 n. 11
WGY (379.5m-790kc), "Accessories in Spring Costumes," Beatrice Hunter.
4 3 2 p. m. 1 p. m.
WJZ (454.3m-660kc) Your Daily Menu, Mrs. J. Heath.
WOC (483.6m-620kc) Home management schedule, Aunt Jane.
WQJ (447.5m-670kc) "A Corn Luncheon," Helen Downing. "May Parties," Julia Deal.
Eastern 4:15 p. m. Central 3:15 p. m. Mountain 2:15 p. m. Pacific 1:15 p. m.
WJZ (454.3m-660kc) "Wall Paper, Room by Room," A. Fillebroun.
4:25 3:25 2:25 1:25
WJZ (454.3m-660kc) "Corned Beef and Cabbage."
5 4 3 2
KFOA (454.3m-660kc) Home helps.
KOAC (280.2m-1070kc) Housekeeper's half hour.
KSD (545.1m-550kc) Women's hour.
5:30 4:30 3:30 2:30
KOA (322.4m-930kc) Housewives' matinee.
WCCO (416.4m-720kc) Women's club program.
6:15 5:15 4:15 3:15
KOA (322.4m-930kc) Culinary hints, Clara Hoover. Fashion review, Sally Dee.
7 6 5 4
KFOA (454.3m-660kc) Today's recipe.
WLW (422.3m-710kc) "The Civic Responsibilities of Mothers," Jessie Adler.
7:40 6:40 5:40 4:40
WEAO (275.1m-1090kc) "Synthetic Food," Henry Werner.

Friday, April 16

Eastern 9:30 a. m. Central 8:30 a. m. Mountain 7:30 a. m. Pacific 6:30 a. m.
WWJ (352.7m-850kc) Tonight's dinner.
10 9 8 7
KDKA (309.1m-970kc) Domestic science and Arts for the Housewife.
10:45 9:45 8:45 7:45
WTAG (268m-1120kc) Food hints, Mildred Thomas.
11 10 9 8
WHT (399.8m-750kc) Women's hour, Jean Sargent.
11:30 10:30 9:30 8:30
KFAB (340.7m-880kc) "The University and the Home."
WTIC (475.9m-630kc) Housewives' forum.
WDAF (365.6m-820kc), WEAR (389.4m-770kc), WJAR (305.9m-980kc), Betty Crocker's Home service talk.
11:45 10:45 9:45 8:45
WCCO (416.4m-720kc) "What Are Your Cake Problems?"
12 n. 11 10 9
WGN (302.8m-990kc) Household hints.
WQJ (447.5m-670kc) Sunday Dinner Menu, Ted Wilmes.
12:15 p. m. 11:15 10:15 9:15
KYW (535.4m-560kc) Meat talk.
12:30 11:30 10:30 9:30
WEBH (370.2m-810kc) Household and fashion talks.
WGN (302.8m-990kc) Discussion of fashions.
12:35 11:35 10:35 9:35
KYW (535.4m-560kc) Table talk.
1:45 12:45 p. m. 11:45 10:45
WOAW (526m-570kc) Sunshine Sunday dinner menu.
3:15 2:15 1:15 12:15 p. m.
WHO (526m-570kc) Recipes, household hints.
4 3 2 1
WJZ (454.3m-660kc) "Your Daily Menu," Mrs. J. Heath. "They Are Wearing," Suzanne Brown.
WOC (483.6m-620kc) Home Management, Aunt Jane.
WQJ (447.5m-670kc) Home Economics program, "Questions and Answers," Helen Downing. "Electric Table Cookery," Catherine Spengler. "Only God Can Make a Tree," Harriet Michaels.
4:25 3:25 2:25 1:25
WJZ (454.3m-660kc) "Solving Candy Problems," Elinor Hanna.
4:30 3:30 2:30 1:30
WFAA (475.9m-630kc) Homemakers program.
WMAQ (447.5m-670kc) Foibles of the Moment.
5 4 3 2
KJR (384.4m-780kc) Home helps.
KYW (535.4m-560kc) Woman's hour.
5:15 4:15 3:15 2:15
WMAQ (477.5m-670kc)
5:30 4:30 3:30 2:30
KOA (322.4m-930kc) Housewives matinee.
6 5 4 3
KOA (322.4m-930kc) Culinary hints.
6:15 5:15 4:15 3:15
KOA (322.4m-930kc) Fashion review.

a STEP ON the STAIRS

By ROBERT J. CASEY

Radio Dramatization by FRED SMITH

Illustrations by HILMER C. OLSON

Synopsis of Preceding Chapters

IN THE first four episodes of "A Step On the Stairs," which are now available for 25 cents in a special reprint, we find a group of a dozen members of the Turner family in the hunt-room of the old Turner manse. They are nerve-strained and very jumpy as the result of a number of weird incidents connected with the attempted seance whereby Peleg Turner, the last of the house to die, attempts to speak from beyond the grave through a Radio loud speaker and tell them who killed his brother, Jeremiah. Ardwyn, the lawyer, presides. Mary Williams seems to be involved in most of the strange events, and the finger of suspicion is pointed at her by Aunt Helen, a gabby old widow; Cousin William, companion to Aunt Helen; Hazel Stanton, a girl whose relation to the family does not seem entirely clear, and Henry Graves who offers his protection by marriage. His offer is spurned. In the last episode John Carton, apparently Mary's accepted lover, appears in the room after the others have left for refreshments in another part of the house. Mary had fainted when she thought she felt the corpse of Peleg Turner entering the room through the front door, supposed to be barred except for the passage of the dead bodies of Turners going to their final resting place. Ardwyn left to get her a sedative. Hari Singh, the East Indian servant, unexpectedly becomes an ally of Mary when Carton, who seemed to be hiding from arrest on suspicion of the crime, is about to be trapped by other members of the party. The servant lets Carton out a side door.

Before Hari Singh is able to return, the other guests enter the room and demand an explanation of Mary as to the voice that had been heard in the room. Mary evades the questions briefly, but soon Hari Singh calls for help. He is discovered dragging in the body of a man which he said he had found outside the door in the snow. It is Milford Jones, with a fractured skull. He had disappeared earlier during the seance. While suspicions for the various evil happenings are being cast about, FYX starts up. A number is rendered and FYX stands by for the ship's SOS. Suddenly—Peleg Turner's voice comes out of the loud speaker. He curses Jeremiah's murderer whom he says is in the house and will pay the price 'ere dawn. While pandemonium reigns and Tolliver is talking, the beam of an electric flashlight hits him full in the face. Attempts to locate the owner of the light are vain. A human chain is formed to count heads. Instead of eleven people in the room as it should be, there are thirteen! Tolliver hunts matches beneath the table and is engaged in a struggle. He finds them, places them on the table, and suddenly an unknown voice threatens to shoot to kill at the first flicker of a match.

THE STORY CONTINUES.

CHAPTER THIRTEEN

The Unseen Crypt

"WHO are you?" demanded Ardwyn.

"That makes no difference," replied the voice. "I mean what I say."

"Suppose I did strike a match—suppose you did kill me," queried the lawyer, calm enough now in the face of tangible danger. . . . "Do you think you could get out of here with a whole skin?"

"You might try it," suggested the voice. "Your friend with the loud voice seems to be out of it and I don't think there's another man in the place."

"What do you want us to do?"

"We'll come to that. Just now all you're to do is put that box of matches back onto the table. Put 'em down hard enough so's I can hear you do it. . . That's it. . . . Now step back from the table and stand there until I tell you to move."

"I've heard your voice somewhere before."

"Don't be too sure of that." The comment was cruel and incisive. "You'll never get killed for what you don't remember."

"I don't forget," returned Ardwyn with a hint of triumph in his tone. "You have something over your mouth. But I know you now. I. . . ."

"Damn you keep quiet." A sudden movement in the dark told the hypnotized company that the owner of the voice had swung about toward Ardwyn. Then came silence once more. Of all the men and women in the room only two could say what had happened to Ardwyn and neither spoke.

"They've done for Mr. Ardwyn," wailed Aunt Helen Holmes. "They've murdered him. I just know they have. . . . Oh, why did I come here."

"Shut up," advised Cousin William usympathetically.

"Cousin William," gasped Aunt Helen. "Where did you get to? Why you were here just a minute ago. Cousin William."

"Keep still," came Cousin William's voice from the near distance. "Get down on the floor. If they start to shoot you'll be safer there."

"But I don't want to be shot on the floor," protested the woman. "I want to go home. I'm a good decent woman and here there's nothin' but iniquity. . . ."

Her chair creaked in evidence that she had thought better of Cousin William's advice.

"Do you honestly think it will be safer here under the table?" she asked presently in smothered tones. "I'm glad nobody can see me here."

"For Heaven's sake keep quiet," admonished the unseen William.

"FOLKS," came a muttered and unrecognizable message from somewhere near the fireplace. "We're sorry to have caused you this trouble. We didn't expect to find you here, see? But we'll not harm anybody if you just sit quiet and keep out of our way. You'll all be out of here and nobody any worse off, see? Now, everybody . . ."

He broke off with a weird gurgle that blended with the crash of falling glass.

"What's the matter?" queried a guarded voice from across the room.

"A woman," was the somewhat groggy reply from the fireplace. "I felt her hair. . . . Stand back all of you . . . I said there'd be no trouble unless you made it, see? But if the cat who hit me with that vase comes where I can get my hands on her, I'll strangle her. . . ." Once more he interrupted himself, this time with a scream that had barely ceased to echo when the triumphant call of Mary Williams rose clearly over the din.

"I have a pistol now, Mr. Ardwyn," she cried. "What shall I do now?"

A whisper sounded almost in her ear.

"Good," it said. "We can hold our own, now. But don't try to shoot it until you can see what you are doing."

"We shall go on, ladies and gentlemen," declared the voice that had halted Ardwyn's attempt to strike the match. "Even armed you can do nothing and there will be more deaths in this house unless you choose to keep quiet."

"Give in to him," murmured the unseen counsellor, "The night isn't over yet."

"Very well," replied the girl. "I don't know what you are doing here. But I can wait to find out. I shan't interfere with you while you are here providing you do not attempt to interfere with us. But I give you warning that you aren't going to get out of this room."

"We'll take our chances on that," was the hoarse rejoinder.

"Oh don't bother them, please don't irritate them," came a wail presumably from Aunt Helen. "They're murderers. They'll kill us all."

"We'll do just that if you don't shut your trap," declared the spokesman of the intruders. Then came silence, broken only by a whispering in guarded voices near the fireplace.

"If this mob will stay put we can get the stuff out," one of the mysterious conferees said at length.

"They'll stay put," said another. "Dig it out. We can't waste much more time."

Whereupon, through that tense, still atmosphere came a sound terrifying only in its associations, metal striking on brick.

"What are they doing?" demanded a male voice trembling so that it could not be identified.

"Digging for something," came an awe-sticken answer.

The metal continued to clang on the hearth as if the ghostly visitants had not heard the comments.

"GOD hurry the daylight," prayed another unseen vigilant. . . . "What is that smell?"

The clash of iron on tile suddenly was softened and there came a scraping sound accompanied by a slight tinkling.

"Earth!" someone called out hoarsely. "That's it, the scent of earth. . . . Somebody is opening a tomb."

A laugh, mirthless and inhuman, greeted this comment. It came to an end presently in a hysterical outburst from Aunt Helen Holmes.

"What a joke it all is," she chuckled crazily to herself. "I ain't goin' to have a shred of reputation left when I get out o' this house of iniquity. My sainted husband—him as has been gone these twenty years—he always used to say to me, Helen, have 'em get my tomb ready for me before I die so's I'll kinda know where I'm goin.'

"An' right here in this house they're doin' just that but they're too late. They's a corpse right here at my feet an' the grave ain't ready for him."

Once more she screamed with laughter.

"A corpse right here on the floor at the edge o' the rug an' no place to put him. That certainly is a joke on him."

"What are you talking about Mrs. Holmes?" demanded Mary Williams.

"Is it you that's askin' me, Miss Williams?" answered Aunt Helen. "Well then mind your own business. I got enough trouble with dead men and such without worryin' about hussies like you."

"What's the row?" inquired one of the ominous whisperers at the fireplace. "Has the old girl gone crazy?"

"Sounds like it," replied another. "I didn't bring any stiffs in here."

The conversation was suddenly broken off by a sudden cry:

"Hari Singh! Hari Singh! Open the door."

"That's Ardwyn," gasped the first unknown. "I thought you had attended to him."

"I guess I was too gentle with him," said his companion. "There may be trouble now."

"Hari Singh! Hari Singh!" called Ardwyn.

"You yell again and you'll get your throat cut," one of the intruders warned him. There was a sound of moving feet.

"THE front door is covered," Mary Williams announced.

"Where is that cat?" A man snarled angrily.

"I don't know. If I could find her I'd wring her neck. She seems to be floating in the air."

"Don't bother to look," the girl advised. "Just remember what I told you. The front door is covered. . . ." Then came silence, a brief, palpitant silence that was broken suddenly by another call from Mary Williams:

"Watch the hall door. They're at the hall door. They have a key . . . I heard it. . . ."

Almost as she spoke a streak of light appeared in the gloom at the side of the room.

"That's it . . . They're opening the door. Stop them . . . Stop them . . . Don't let them get away!"

And as if in answer to her call came a muffled curse.

"We got to jump for it. That damned Indian is out there. He's got a shot gun."

Almost simultaneously came the voice of Hari Singh!

"I have the door covered gentlemen," he said. "I'll shoot the first one who comes out."

"Look out . . . They're closing the door again. They're coming back," screamed Mary Williams.

The door slammed closed. Something crashed. A man groaned and fell. Then in the vicinity of the dread front door a pistol flashed and barked twice.

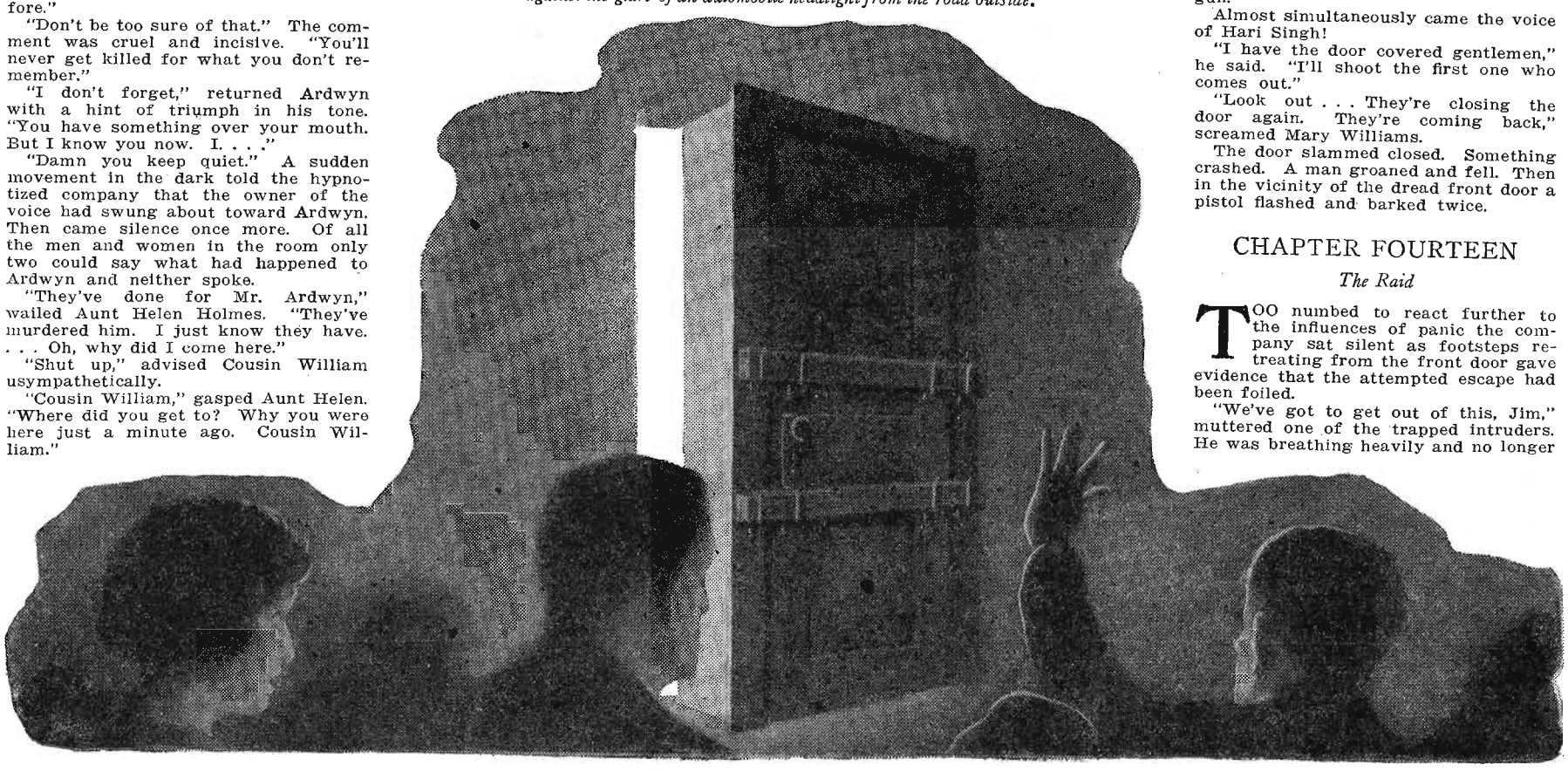
CHAPTER FOURTEEN

The Raid

TOO numbed to react further to the influences of panic the company sat silent as footsteps retreating from the front door gave evidence that the attempted escape had been foiled.

"We've got to get out of this, Jim," muttered one of the trapped intruders. He was breathing heavily and no longer

A dozen strained cries from all parts of the room answered him as the barred front door miraculously separated itself from the wall and stood poised momentarily in a diminishing silhouette against the glare of an automobile headlight from the road outside.



as confident as he had been when a few minutes before he had threatened Frederick Ardwyn.

"I'll follow you, Doggy," agreed the strained voice of the other. "I'll do what you say but we gotta do something quick."

"Gus," roared "Jim" in a louder tone. "Gus, where are you?"

Aunt Helen's hysterical laughter was his only answer.

"Gone!" breathed "Doggy" in horror. "He's gone. That cat did for him. Jim, we gotta crash the front door."

"I overheard you, gentlemen," Mary Williams interrupted calmly. "You won't get out through the front door."

"Where is that woman?" queried "Jim" in exasperation. "Get rid of her and we can bust out."

"I'll tell the world I don't know where she is," answered "Doggy."

"You were right at the door when she spoke."

"Yes, an' I was right after her. But she ain't where her voice is."

A taunting laugh echoed about them.

"There she is again. . . . Grab her."

"Grab her yourself. Look on the floor. . . . Damn! What's this?"

"It's a stiff," Neither spoke for some seconds which the clock ticked off with sonorous unconcern.

"The woman?" queried "Jim" at length.

"Nope," replied "Doggy" presently. It's a man an' dead as a doornail." It was apparent as he spoke that "Doggy" was growing angry.

"Why do we have to be the goats for this thing?" he demanded indignantly. "Why do we have to be dished up with these maniacs? Where is Gus? Where is Joe? Gone! And we're here holding the sack while that she-devil is waiting to knock us off if we attempt to get out."

"And the Indian!" retorted "Jim." "What a fine mess he turned out to be. If I can get out of here only two minutes I'll kill him."

Once more came Mary Williams' laugh and once more the scurrying of feet as they attempted to find her. In the midst of their frantic search there came another sound, insistent as always and unidentifiable.

"What's that?" queried "Jim."

"That's the sound they been raving about all night," replied "Doggy." "It's a step on the stairs."

"But what is it?" pursued "Jim." "How could it be a step on the stairs? You know there ain't any stairs in that end of the house."

"I know that. But I know my own ears. That's somebody walking on stairs and he's walking where there aren't any stairs." His voice had sunk to a whisper.

"And I move we drop the stuff and take our chances on the door."

"She'll shoot!"

"Listen, something's going on outside the house. We've got to chance it, I tell you."

"She'll shoot!"

"Just once. When she shoots we can see where she is and I'll be glad to attend to her."

"All right, we'll rush it. . . . We'll . . ." He paused as if in sudden pain.

"NO CHANCE!" muttered "Doggy" bitterly. "Look. . . . The door is opening now. There's a crack of light underneath it. An automobile light. . . ."

"The side door," gasped "Jim."

"The Indian has a shotgun and no morals," "Doggy" reminded him.

"Who's this?"

A dozen strained cries from all quarters of the room answered him as the barred front door miraculously separated itself from the wall and stood poised momentarily in a diminishing silhouette against the glare of an automobile headlight from the road outside.

"Put down the gun, Jim," came the cool voice of "Doggy." "No use making a case for them. . . . We'll surrender and say it with lawyers.

"Step right in, coppers, and make yourselves at home. Welcome to our little madhouse."

"All of you line up against that back wall in the light where we can see you," came a gruff voice from beyond the doorway. "You are all under arrest. Lively now. . . . All of you. . . . Line up against the back wall and put up your hands."

Scurrying figures, flashes of white in the blinding glare of the lamps, hastened to comply with the command. A large man who hugged the edge of the doorway with precautionary zeal edged his way into the room and lost himself in the shadows adjoining the cone of light.

"Please make it snappy, captain; we've been up all night," urged "Doggy" cheerily as he marched with hands over head to the center of the spotlight.

"Who is that noisy one, lieutenant?" the big man inquired. "Is he one of your mob?"

"Sure, that's 'Doggy' French," laughed a guard at the door. "I thought everybody connected with the racket knew 'Doggy' French."

And then out of nowhere echoed the startled voice of Mary Williams:

"'Doggy' French! Why that's not his name! That's Henry Graves."

What were the strangers digging for and why are they at the seance? Who was shot as they started to bolt for the door? Why did the leader of the raid call Henry Graves "Doggy" French? The twisted strands of Mr. Casey's thrilling mystery story will be untangled much by next issue's installment.

$500 in Gold

FOR THE SOLUTION OF

"a Step On the Stairs"

REPRINTS NOW AVAILABLE

SO MANY people are attempting to win part of the $500 in Gold prizes which are being offered for solutions to "A Step On the Stairs," a reprint of the first four installments has been printed and may be had for the nominal charge of twenty-five cents, in coin or stamps, to cover the cost of handling. Address your order to the Mystery Story Editor, care of Radio Digest.

The chosen stations, which are broadcasting "A Step On the Stairs," in Radio play form, are given on page eleven. The days and the hours are listed.

THE PRIZES

The prizes are seventeen in number. First prize is $250; second prize is $100; third to seventeenth prizes inclusive, are $10 each. In the event of a tie for any prize offered, a prize identical in all respects with that tied for will be awarded to each tying contestant.

HOW TO WIN A PRIZE

Nine installments of Mr. Casey's story will be published consecutively each week. The first appeared in the February 27 issue. His tenth and final installment will not appear until the prize winning solutions have been selected by the judges. The solution nearest correct, that is, nearest to unraveling the mystery accurately, will win. The method of preparing the solution—its neatness, legibility, etc.—shall be considered.

RULES OF CONTEST

1. Solutions must be received not later than midnight of Saturday, May 1. The ninth installment of the story will appear in the April 24 issue. The author's intended and final chapter will appear in the May 15 issue, together with the announcement of the winners' names.

2. The contest is open to everyone except employes of Radio Digest and their families.

3. Contestants pay no fee and need not be subscribers to Radio Digest. Solutions, however, must be written upon one side of paper.

4. The decision of the judges, to be named later, will be final.

Radio Club Notes

The Broadcast Listeners association of Indianapolis, one of the largest and livest organizations of its kind in the country, recently secured as a speaker, Prof. A. M. Wilson, dean of the engineering department at the University of Cincinnati. This meeting was open to the public and invitations were extended by mail and through the press of the state to Radio manufacturers, jobbers and dealers since Prof. Wilson is nationally recognized as an authority on scientific research in the prevention of Radio interferences. He had a prominent part in the now famous report on this subject compiled and published by the National Electric Light association and his subject before the Broadcast Listeners club was "Radio Interference and How To Locate It and Prevent It Through Cooperation Between Listeners and Public Utilities."

* *

Copies of the report referred to should be obtained by every Radio club and can be had by sending 60 cents with a request to the National Electric Light association, 29 West 39th street, New York city, for the "Radio Interference" report.

* *

Eastern clubs are beginning to be heard from; such is the "power of the press." At Zanesville, Ohio, a Radio club has been formed that is most active and its president is H. E. Buker; its vice-president is C. W. Fowler, and its secretary is Owen A. Davis. The city council of Zanesville recently passed an ordinance prohibiting the use of vibratory type battery chargers between 6 p. m. and 5 a. m.

* *

The Manitoba Telephone system station at Winnipeg has commenced a systematic study of receiving conditions throughout the province of Manitoba. Observers in the employ of the company have been appointed at strategic points in the province and they report daily on receiving conditions from all points of the compass, noting interference, if any. The reports are telephoned in each morning to CKY, where a summary is made and broadcast at noon. CKY is the first station in Canada to undertake work of this kind on such a large scale. More power to them.

* *

If you like this column and gain anything from it thank Mr. E. J. Campbell, president of the Topeka (Kansas) Radio club as it was his letter urging it that brought a slowly crystallizing idea to a head. The Topeka club meets every Tuesday evening at the Chamber of Commerce and C. A. Rowe is vice-president, while R. L. McFerren is secretary.

"MAYBE I WANT IT," SAYS SEN. WATSON

SENATE RADIO POWER NOT SURE ABOUT I. C. C.

Although Contention Is Sound, Has Not Investigated Whether Change Will Be Made or Not

WASHINGTON, D. C.—"There is very generally a feeling that the interstate commerce commission should have control of Radio," says Senator Watson, of Indiana, chairman of the committee on interstate and foreign commerce, before which Radio legislation is pending, in a communication to the National Broadcast Listeners league.

The express purpose of the communication, it is understood, was to deny that he himself was the one sponsoring such a change. In part in his communication Senator Watson says:

"I have never given out a public statement that I thought that Radio should be under the control of the interestate commerce commission instead of the secretary of commerce.

Was Freely Discussed

"That thing was freely discussed in our committee simply because a number of witnesses that appeared made the suggestion. In fact, Judge Davis, solicitor of the department of commerce, stated that aside from a formally appointed commission, no one man should have this tremendous power in his hands. All of the members agreed to that and the only question with them is as to the proper jurisdiction of the business.

"There is a very general feeling that the interstate commerce commission should have control of Radio. Logically the contention is sound, but as to whether or not congress will see fit to make the change is more than I know, because I have not investigated it at all."

Station Is Teaching Oil Painting Through Radio

Instructor Paints Picture and Tells Listeners of Method

MUSCATINE, Ia.—One never knows what is coming next, and if by chance when tuning in you come across KTNT, here, from 6:45 to 7:45 Central time, you will find that station is teaching oil painting of portraits and all kinds of art pictures by Radio, and have many hundreds of students among their listeners.

The system of oil painting is one that requires no previous experience and no brushes are used, although the pictures are painted in genuine oil paints. The instructor doing a lesson paints the picture the same as the student has before them, and keeps up a chatter as he goes along, making the instructions not only interesting, but fascinating and amusing. KTNT has been featuring their art work for some months past and the first station to teach art by Radio.

KHJ ADOPTS POLICY OF NO ADVERTISING

LATEST ANNOUNCEMENT COMES AS SURPRISE

Los Angeles Times Will Make Annual Appropriation for Maintenance and Program Fund

LOS ANGELES.—KHJ has again done the unexpected. According to announcement made by "Uncle" John Daggett, manager of the Los Angeles Times station, effective April 1, programs put on the air over KHJ's microphone are now free from any kind of advertising, paid or unpaid, thus making the station an open forum for the people of the Southwest on a non-political, non-sectarian basis.

The plan provides for an annual appropriation for the Radio station to be used for the maintenance of the station and staff salaries as well as an additional amount to be used to hire the finest talent obtainable.

Elimination of all remote controls and absolute divorce from any and all advertising and objectionable matter is planned.

Policy Change Is Surprise

The announcement of this change in policy came as a surprise to everyone, particularly so at this time just when critics of the station were beginning to openly predict that KHJ would be forced off the air due to its unrelenting attitude towards the local musicians' union and the alleged unfair methods of the American Society of Composers, Authors and Publishers.

In addition to the much higher type of programs this new policy will bring to the listeners, it is felt by well-informed observers that it will do an even greater work by serving as a balance to other stations and act to keep the amount of advertising on their programs at a minimum.

It was also intimated that KHJ would soon be equipped with a new type high-power transmitter of latest design, capable of faithfuly transmitting the kind of programs that will be given in the future.

Station WSAI Shows Playing Card Display

Greatest Collection in Existence Placed in Reception Room

CINCINNATI.—The greatest collection of playing cards in existence will greet the eyes of visitors to the new studios of Station WSAI, of the United States Playing Card company here, when they enter the reception room.

The collection, which has been displayed at two world's expositions, was acquired some years ago, but never has been on public display before at the Playing Card company. With the great space made available in the new reception room at WSAI, officials decided to use the wall space for the display.

In it will be playing cards smaller than milady's finger tips, and cards used by royal families are included in the collection, which dates back to the year 1440. Card presses, used in the days when playing cards were not made with the care they are as in modern days, will also be shown.

Humorous designs, presidental cards, historical cards, in fact every playing card made since the diversion originated are included in this marvelous collection, and will be displayed with data, so that visitors may easily understand their origin and design.

Station WBAL Copyrights Monthly Musical Scenarios

BALTIMORE.—The musical scenarios being given once a month over WBAL, Baltimore's superpower station, are being copyrighted by this station. These scenarios are different from the majority of Radio features, being musical narratives illustrated by song and instrumental selections.

Broughton Tall, Baltimore author and dramatist, is writing these scenarios especially for WBAL.

DO YOU KNOW WHERE THESE PEOPLE LIVE?

TWO contributors to Radio Digest have checks awaiting them if they may be located. Letters bearing their addresses have been returned. The two men are Allan Murphy, of Paducah, Ky., and Marvin Shreffler, of Kankakee, Ill. Friends knowing their proper addresses will please correspond with the Technical Editor, Radio Digest, 510 N. Dearborn St., Chicago.

BROADCAST PROGRAMS IN ADVANCE

Saturday, April 10

Headliners Today

Eastern	Central	Mountain	Pacific
7:10 p. m.	6:10 p. m.	5:10 p. m.	4:10 p. m.

WEEI (348.6m-860kc) Slade's Spice family.

7:15	6:15	5:15	4:15

WBZ (333.1m-900kc) Riley program.

8:15	7:15	6:15	5:15

WLS (344.6m-870kc) Birthday party.

8:30	7:30	6:30	5:30

WEAF (491.5m-610kc) Sojourner's club program.
WGBS (315.6m-950kc) Numerology.
WJZ (454.3m-660kc), WGY (379.5m-790kc) Liederkranz concert.

8:45	7:45	6:45	5:45

WIP (508.2m-590kc) Choral society.

10:30	9:30	8:30	7:30

WMCA (340.7m-880kc) Creole follies.

11:10	10:10	9:10	8:10

KGO (361.2m-830kc) "The Bohemian Girl," opera.

11:45	10:45	9:45	8:45

WSB (428.3m-700kc) Hired Help Skylark.

12:45 a. m.	11:45	10:45	9:45

KGO (361.2m-830kc) "A Step On the Stairs," mystery serial.

1	12 m.	11	10

KFI (467m-642kc) Packard Radio club.
KYW (535.4m-560kc) Insomnia club.

Saturday, silent night for: CNRA, CNRC, CNRE, CNRM, CNRR, CNRT, CNRV, CNRW, KFRU, KFUO, KFXF, KMA, KOAC, KOB, KSAC, KSO, KTAB, KUOA, KWSC, WABQ, WAIU, WBAL, WCAL, WCX, WDOD, WEAO, WEBJ, WEBW, WEMC, WGBF, WGCP, WGHP, WGST, WHAD, WHAZ, WHN, WHO, WIP, WJAR, WKAR, WLIT, WLWL, WMAZ, WOS, WRVA, WTAG, WTIC, WWJ.

Eastern Time Stations

CKAC, Montreal, Can. (410.7m-730kc), 7:15 p. m., Windsor hotel dinner hour; 8:30, special entertainment; 10:30, Windsor hotel orchestra, Harold Leonard's Red Jackets.

CKNC, Toronto, Can. (356.9m-840kc), 8 p. m., Charles E. Bodley and his orchestra; Lawrence DeFoe, tenor.

CNRO, Ottawa, Can. (435.8m-688kc), 8 p. m., Chateau Laurier concert orchestra; 9, Cyril J. L. Rickwood, organist; Helen Langdon, cellist; Chateau Laurier dance orchestra.

KDKA, Pittsburgh, Pa. (309.1m-970kc), 6:30 p. m., Westinghouse band concert; 8, farm program; 8:30, Westinghouse band concert.

WBBR, New York, N. Y. (272.6m-1100kc), 8 p. m., Charles Rohner, violinist; 8:20, Fred Twaroschk, tenor; 8:30, Charles Rohner, violinist.

WBZ, Springfield, Mass. (333.1m-900kc), 7 p. m., Capitol theater orchestra; 7:30, evening with "Riley," Dr. D. M. Staley; 7:45, Repertory theater concert orchestra; 8:15, Hoinrich Gebhard, Frank E. Norse; 9:15, Dan Nolan, novelty program; 9:30, Arthur Cann, tenor.

WCAE, Pittsburgh, Pa. (461.3m-650kc), 6:30 p. m., dinner concert; 8:15, Youngstown artists.

WCX, Detroit, Mich. (516.9m-580kc), 6-7 p. m., Goldkette ensemble.

WEAF, New York, N. Y. (491.5m-610kc), 4-12 midnight, Vincent Lopez and orchestra; Hotel Waldorf-Astoria; Juliette Glassman, pianist; Sojourners' club annual dinner.

WEEI, Boston, Mass. (348.6m-860kc), 7:10 p. m., Slade's Spice Family; 8:10, Lucerne-in-Maine quintet.

WFI, Philadelphia, Pa. (394.5m-760kc), 6:30 p. m., Bellevue Stratford concert orchestra; 7, Bellevue Stratford dance orchestra; 8, program, Nina Prettyman Howell, Lewis J. Howell; 8:30, WEAF.

WGBS, New York, N. Y. (315.6m-950kc), 6:30 p. m., Vincent Sorey's trio; 7:30, Mal Hallet's orchestra; 8:40, John Burke, tenor; Rudy Wiedoeft, saxophonist; 9:30, Immanuel choir; 10:10, Carmine Coppola, flutist; 10:30, Arrowhead Inn orchestra.

WGCP, New York, N. Y. (252m-1190kc), 8:30 p. m., Strickland's orchestra; 9, Ukulele Bob McDonald; 9:15, June Lee, singing vagabond; 9:30, Totman and Gallant, banjo duets; 9:45, Jack Davis, songs; 10, studio program; 10:30, Strickland's orchestra.

WGHB, Clearwater, Fla. (265.3m-1130kc), 6:30-7:30 p. m., dinner music; 7:30-7:45, Gilew Quarles, king of the mandalalie; 8:30-9:30, diversified program, Bill Ewin and L. Joys, piano and vocal team; 11:45-1 a. m., WGHB midnight ramble, Graham Prince and his Tar-Heel orchestra.

WGR, Buffalo, N. Y. (319m-940kc), 8:30 p. m., WEAF.

WGY, Schenectady, N. Y. (379.5m-790kc), 6:30 p. m., Onondaga hotel; 8:30, Liederkranz concert; 10:30, Hotel Syracuse, WFBL.

WHAR, Atlantic City, N. J. (275.1m-1090kc), 8 p. m., Seaside hotel trio.

WIP, Philadelphia, Pa. (508.2m-590kc), 6:05 p. m., Benjamin Franklin hotel concert orchestra; 8:30, Michele Fonticoli, tenor; 8:45, Knights of Columbus choral society; 10:05, El Patio dance orchestra; 11:05, organ recital.

WLIT, Philadelphia, Pa. (394.5m-760kc), 7:30 p. m., Benjamin Franklin hotel concert orchestra.

WMAK, Buffalo, N. Y. (265.3m-1130kc), 6:15-7:15 p. m., Hotel Lafayette dinner concert; 7:30-8:30, musical program; 8:30-9, musicale; 9-10:30, program; 10:30-11, musical program, Toddy orchestra.

WMCA, New York, N. Y. (340.7m-880kc), 6 p. m., Olcott Vail and his Hotel McAlpin string ensemble; 6:30, Parody orchestra; 7, musical program; 8:30, Fourth Annual Food Show; 9:30, E. Ebel, baritone; Cornelius Van Rees, pianist; 9:45, Ethel Ebel, soprano; 10, Norman Pearce, reader; 10:30, Creole Follies; 11, Ernie Golden and his Hotel McAlpin orchestra; 12, McAlpin entertainers.

WNYC, New York, N. Y. (526m-570kc), 7 p. m., Hilda Reich, soprano; 7:35, piano selections; 8, Bill Groen, dulcimer solos; 8:15, songs; 8:45, DeWitt Clinton anniversary dinner; 10, Jefferson dinner of National Democratic club.

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

WPG, Atlantic City, N. J. (299.8m-1000kc), 6:45 p. m., Arthur Scott Brook, organist; 7, Hotel Morton dinner music; 8:15, Katz and his Kittens; 9, Hotel Ambassador concert orchestra; 10, Nick Nichols' dance orchestra; 11, Elks home.

WRC, Washington, D. C. (468.5m-640kc), 7 p. m., Hotel Washington orchestra; 8:25, announced; 10:30, Meyer Davis' Swanee syncopators; 11:30-12, organ recital, Otto F. Beck.

WTIC, Hartford, Conn. (475.9m-630kc), 6:50 p. m., Hotel Bond trio; 8, Sunday school period; 8:30, Exchange Clubs of Connecticut; 10:30, Carroll's Palais Royal dance orchestra.

Central Time Stations

KFAB, Lincoln, Nebr. (340.7m-880kc), 5:30-6:30 p. m., dinner concert; 8:30-9:30, artists; 12-2 a. m., orchestra entertainment.

KLDS, Independence, Mo. (440.9m-680kc), 8 p. m., program, Lamoni, Iowa, artists.

KMA, Shenandoah, Ia. (252m-1190kc), 9-11 p. m., musical program.

KMOX, St. Louis, Mo. (280.2m-1070kc), 6 p. m., Arthur L. Utt, organist; 6:30, Mrs. Jacques Landree, organist; 7, orchestra; 8, chamber music; 10, Colonel 6121.

KOIL, Council Bluffs, Iowa (277.6m-1080kc), 6 p. m., Pioneer Radio club; 6:30, McCrory's music period; 7:30, Walter Jenkins, bass; Mrs. W. H. Cutler, soprano; Florence Senior Duerr, pianist; Carlus Laustrup, violinist; Helen McAneny, accompanist; 11, Big Pow-Wow.

KPRC, Houston, Tex. (296.9m-1010kc), 7:30 p. m., Bible class; 8, Frank Tilton, boy pianist; 10, Skyline studio concert; 10:30, Harold Oxley's Warwick hotel orchestra.

KSD, St. Louis, Mo. (545.1m-550kc), 7 p. m., Grand Central theater; 9, program.

KTHS, Hot Springs National Park, Ark. (374.8m-750kc), 9-9:45 p. m., variety concert; 9:45-10:30, New Arlington hotel orchestra.

Wild, wild women are the Novak Vaudettes, directed by the charming young lady above, Elma Novak. They are known for the exceedingly fast and scorching blues expelled into the KGW antenna.

KYW, Chicago, Ill. (535.4m-560kc), 6-6:15 p. m., KDKA; 6:30-7, Congress hotel orchestra; 7:30-9, home-lovers' hour; 9-10, Congress hotel; 11-12, Congress carnival; 12-1 a. m., Insomnia club.

WAMD, Minneapolis, Minn. (243.8m-1230kc), 7:10 p. m., Blue Boys; Harmony Twins.

WBAP, Fort Worth, Tex. (475.9m-630kc), 6-6:30 p. m., Texas hotel orchestra; 9:30-11, Hired Hand's little symphony.

WBBM, Chicago, Ill. (225.4m-1330kc), 8-2 a. m., Alemite orchestra; old-fashioned songs; Barber shop quartet; Two Jays; Charlie Garland; Arison trio; war songs.

WCCO, Minneapolis-St. Paul, Minn. (416.4m-720kc), 6:15 p. m., dinner concert, Dick Long's Nankin cafe orchestra; 8:15, musical program; 10:05, Dick Long's Nankin cafe dance orchestra.

WDAF, Kansas City, Mo. (365.6m-820kc), 6-7 p. m., School of the Air; Trianon ensemble; 11:45-1 a. m., Nighthawk frolic.

WEBH, Chicago, Ill. (370.2m-810kc), 7-8 p. m., Oriole orchestra; Sunday school lesson; string trio; Howard Neumiller, pianist; 9-9:15, news; 9:15-10, Oriole orchestra; James Murray, tenor; Kay Ronayne; marimba band; 11, Oriole orchestra; 12, James Murray, tenor; 1 a. m., Frank Greif, songs; 2, trombone duo.

WFAA, Dallas, Tex. (475.9m-630kc), 6:30-7:30 p. m., Jimmy's Joys; 8:30-9:30, Mrs. Albert E. Smith, soprano; Mrs. Howard Parks, contralto; 11-12, Jack Gardner's orchestra.

WGN, Chicago, Ill. (302.8m-990kc), 6:30-6:45 p. m., Drake concert ensemble, Blackstone string quintet; 6:45-6:55, old-time favorites; 6:55-7, "The Million Sing"; 8-8:10, Auld Sandy; 8:10-8:30, Drake concert ensemble, Blackstone string quintet; 8:30-9:30, light opera quartet; 9:30-10, Hawaiian music; 10, Sam 'n' Henry; 10:10, old-time favorites; 10:20, play shop; 10:40-11, studio ensemble.

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

WHT, Chicago, Ill. (399.8m-750kc), 6 p. m., classical program; Al Carney, organist; Grayling's string trio; W. A. Dyckman, basso; Leola Aikman, soprano; Hugh Aspinwall, tenor; (238m-1260kc) 7:45-9:15, musical features, Cinderella cafe orchestra; (399.8m-750kc) 9:30, Kitchen Klenzer program; 9:50, symphony; 10:30, Cinderella cafe orchestra; 12, Your Hour league, Pat Barnes and Al Carney.

WIBO, Chicago, Ill. (225.4m-1330kc), 6-8 p. m., dinner concert; Marie Fay, soprano; George Hancher, baritone; Henry Corbin, baritone; WIBO string trio.

WJJD, Mooseheart, Ill. (370.2m-810kc), 5:30-7 p. m., dinner hour; 8-9, Palmer House Victorians; 10-11, Palmer House Victorians; 12-1 a. m., Palmer House Victorians; Jack Nelson.

WKRC, Cincinnati, Ohio (422.3m-710kc), 10 p. m., Virginians; 10:30, studio features; 11, Sam Jones, mouth organist; 11:15, Ace Brigode and his Virginians.

WLIB, Chicago, Ill. (302.8m-990kc), 7:30-8 p. m., musical program; 11-11:20, Correll and Gosden; 11:20-1 a. m., studio ensemble, dance music, harmony duos.

WLS, Chicago, Ill. (344.6m-870kc), 7 p. m., Ford and Glenn; 7:15-12, birthday program.

WLW, Cincinnati, Ohio (422.3m-710kc), 7 p. m., organ concert, Johanna Grosse; 7:30, Meeting of the Sekatary Hawkins Radio club; 8, Paul Hilling, blind pianist; 8:30, "A Step On the Stairs," sixth installment; 9, dance selections, Castle Farm.

WMAQ, Chicago, Ill. (447.5m-670kc), 6 p. m., Chicago theater orchestra; 6:30, Hotel LaSalle orchestra; 9, Chicago theater Radio revue.

WMBB, Chicago, Ill. (249.9m-1200kc), 7-8 p. m., Trianon ensemble; Edwin House, baritone; Franklin Kidd, tenor; 9-11, Trianon orchestra; Woodlawn theater orchestra; ensemble; Farmer Gray, Willie Horowitz, McFawn and Beiber, harmony duo; Andy Anderson, Ted Graham, popular program.

WMC, Memphis, Tenn. (499.7m-600kc), 8:30 p. m., Dr. George Powers, tenor.

WOAW, Omaha, Nebr. (526m-570kc), 6:15 p. m., Herb Feierman and his orchestra; 8, "A Step On the Stairs"; 9, Funcasters; 10:30, Nightingale orchestra.

WOC, Davenport, Iowa (483.6m-620kc), 7:30 p. m., Sojourners' club, WEAF; 11-12, LeClaire hotel orchestra; Peter MacArthur, baritone.

WOK, Chicago, Ill. (217.3m-1380kc), 10-1 a. m., Tearney's Town Club orchestra; Carl Lorraine's Pershing Palace orchestra; Husk O'Hare's Cocoanut Grove orchestra; Capitol theater program; 1-2, frolic.

WOOD, Grand Rapids, Mich. (241.8m-1240kc), 9-10 p. m., Elizabeth Barker Van Campen hour of music; 10-12, Roy Clark, P. R. Jeffery, Harold DeWindt, Paul Witte.

WORD, Batavia, Ill. (275.1m-1090kc), 7 p. m., Webster hotel concert; 9, musicale.

WQJ, Chicago, Ill. (447.5m-670kc), 7-8 p. m., Ralph Williams and concert orchestra; John Zwick, concert pianist; Kane McDuffee, whistler; 10-3 a. m., Ralph Williams and Skylarks; Jerry Sullivan, Rose Vanderbosch; Hal Lansing and his uke; Oxford Girls, harmony singers; West Brothers, Hawaiian guitarists; Melodians, artists.

WRR, Dallas, Texas (245.8m-1220kc), 6-7 p. m., Jack Gardner's orchestra; 8-9, musicale; 12-1 a. m., George Porfect, organist.

WSAI, Cincinnati, Ohio (325.9m-920kc), 7:15 p. m., chimes; 7:30, WEAF; 10:15, Bicycle playing card sextet; 12, Freda Sanker's orchestra.

WSB, Atlanta, Ga. (428.3m-700kc), 8 p. m., Atlanta Atwater Kent hour; 10:45, Hired Help Skylark.

WSM, Nashville, Tenn. (282.8m-1060kc), 6:30 p. m., Francis Craig's orchestra; 8, barn dance.

WSOE, Milwaukee, Wis. (245.8m-1220kc), 9 p. m., Lake front studio musicale.

WSUI, Iowa City, Iowa (483.6m-620kc), 7:30 p. m., musical program.

Mountain Time Stations

KFWA, Ogden, Utah (260.7m-1150kc), 9-10 p. m., Olie Reeves and his orchestra; 10-11, Merry Made Music makers; 11-12, orchestra.

KFXF, Colorado Springs, Colo. (250m-1200kc), 9 p. m., Hammond's Cottage City dance orchestra.

KOA, Denver, Colo. (322.4m-930kc), 9 p. m., Harmony Peerless orchestra; 10:15, Scheuerman's Colorado orchestra.

Pacific Time Stations

KFI, Los Angeles, Calif. (467m-642kc), 6:30 p. m., vest pocket program; 6:45, Radiotorial period; 7-8, Al Wesson and his orchestra; 8-9, composers' series, arranged by Virginia Flohri; 9-10, varied program; 10-11, Packard Radio club; 11-3 a. m., KFI midnight frolic.

KFON, Long Beach, Calif. (232.4m-1280kc), 7-7:30 p. m., studio program; 7:30-9, Long Beach municipal band; 9-11, KFON artists' frolic; 11-12, State theater organ.

KFWB, Hollywood, Calif. (252m-1190kc), 8-9 p. m., Ray Bailey's trio; Eunice Wynn, soprano; 9-11, Warner Brothers' syncopators and entertainers.

KGO, Oakland, Calif. (361.2m-830kc), 4-5:30 p. m., Hotel St. Francis concert orchestra; 8:10, "Bohemian Girl," opera in three acts; Albert Gillette, baritone; Robert Saxe, tenor; Waldemar Engberg, bass; Edwin Heinsohn, baritone; Grace LePage, soprano; Eva Atkinson, soprano; Robert Rourke, violinist; 9:45, mystery serial, "A Step On the Stairs," seventh episode; 10-12, Madson's Midshipmen, dance orchestra.

KGW, Portland, Ore. (491.5m-610kc), 6-7 p. m., Olds, Wortman and King company; 10-12, Indian grill.

KHJ, Los Angeles, Calif. (405.2m-740kc), 8-10 p. m., Times de luxe presentation.

KJR, Seattle, Wash. (384.4m-780kc), 8:30-10 p. m., L. C. Warner company studio program.

KMTR, Hollywood, Calif. (238m-1260kc), 6-7 p. m., Starr Piano company studio; 8-10, KMTR concert orchestra; Balina Zarova, Russian soprano.

KNX, Hollywood, Calif. (336.9m-890kc), 6:30-7 p. m., Atwater Kent orchestra; 7:30-8, studio program; 8-9, program, John A. Vaughn corporation; 9-10, W. W. Rainey organization; 10-11, Ambassador hotel dance orchestra; 11-2 a. m., Filmland frolic.

KOWW, Walla Walla, Wash. (256.3m-1170kc), 8-12 midnight, dance music.

KPO, San Francisco, Calif. (428.3m-700kc), 6:30-7:20 p. m., States restaurant orchestra; 8-11, Fairmont hotel dance orchestra; Maurice Gunsky, tenor; Merton Bories, pianist; soloists; 11-12, Henry Halstead's orchestra.

KPSN, Pasadena, Calif. (315.6m-950kc), 8-9 p. m., Star-News concert; 9-10, Maryland hotel dance orchestra.

High Lights of the Air

SATURDAY evening may be pleasantly spent by tuning in for WBZ, Springfield, and enjoying the children's verse of Riley as given by Dr. D. M. Staley. Or the listener preferring something more mysterious will at last discover the new method of fortune telling called Numerology. WGBS will prove that there is more to numbers than the ill luck of thirteen or the luck of three and seven.

Moussorgsky's famous song about the devil in a wine cellar, and the "monstrous flea" owned by a legendary king, will be featured on the KGO Little Symphony orchestra program Sunday afternoon, April 11, at 3:30 p. m. Central time. Albert Gillette, dramatic baritone, will be the soloist.

"Northwest Indian Music," is the title of the illustrated talk by Prof. Paul C. Phillips at KUOM, Missoula, Montana, Monday evening. Original melodies of the Indians of this section will be played. Radio is responsible for a revival of interest in the music of these early Americans. "The Life of Everyman," given with a special musical background is the literary event at KUOA, University of Arkansas this same evening.

Chicagoans remembering the aviation tests with Radio last year over WLS will not be as thrilled as will fans in other parts of the United States Tuesday when Lieut. John Macready, transcontinental aviator, broadcasts from an altitude of 5,000 feet. His talk will be sent out over the microphone of WLW. A Kansas City event of importance during the evening, although given on terra firma, is the program by the Southern Melody Makers of WHB.

Ann Pennington, famous as a dancer, will be interviewed at WOR Wednesday by Alice Beal Parsons, noted feminist. Miss Pennington is in New York at the present time making a series of pictures to be known as "Sally Runs Wild." Russian dance music has been poular since the successful tour of Russian players in Chauve Souris. A program of this fascinating music will be the Wednesday feature of KDKA.

One of Samuel Coleridge-Taylor's best known compositions, "The Death of Minnehaha," will be given by the Travelers Choral club at WTIC, Hartford, Thursday evening. The words of this composition were taken from Longfellow's familiar "Hiawatha." The melodies are typical of Coleridge-Taylor, whose power of characterization in music has given him a unique place among modern composers as a tone-poet.

An opera a month is being put on at WBAL, Baltimore. Friday, April 16, the opera to be broadcast is "Il Pagliacci." Among the important singers to take part are Elsa Baklor, John Wilbourn, George M. Castelle, Connor Turner and Paul Nachlas.

WBZ TO FEATURE RILEY'S POETRY

Sunday, April 11

Headliners Today

Eastern	Central	Mountain	Pacific
5 p. m.	4 p. m.	3 p. m.	2 p. m.

WTIC (475.9m-630kc) Organ recital.

8:30	7:30	6:30	5:30

WBZ (333.1m-900kc) Priscilla quartet.

9	8	7	6

WJZ (454.3m-660kc) American orchestral concert.

"A Ukulele Lady" much beloved of WGHP is Gladys Sanderson, above. She will play this Thursday on the 10 p. m. program of this Detroit station.

9:15	8:15	7:15	6:15

WEAF (491.5m-610kc). WEEI, WCAP, WFI, WJAR, WGR, WCAE, WSAI, WWJ, WOC, WCCO, WGN, WEAR, KSD, WTAG, Atwater Kent program.

10	9	8	7

KMOX (280.2m-1070kc) Skouras Sunday night club.

10:15	9:15	8:15	7:15

WCAU (277.6m-1080kc) American Radio hour.

11	10	9	8

KHJ (405.2m-740kc) Sunday Evening classical concert.

KTHS (374.8m-800kc) Arkansas Traveler Special train.

WKRC (422.3m-710kc) Classical program.

12 m.	11	10	9

WFAA (475.9m-630kc) MacDowell Sisters.

12:15 a. m.	11:15	10:15	9:15

WHB (365.6m-820kc) College night.

Sunday, silent night for: CFAC, CHIC, CKAC, CKNC, CNRA, CNRC, CNRE, CNRM, CNRO, CNRR, CNRT, CNRV, CNRW, KFAB, KFAU, KFOA, KFWA, KFXF, KLX, KMA, KMTR, KOAC, KOB, KOWW, KSAC, KSO, KWSC, WABQ, WAHG, WAIU, WCAU, WDAF, WEAO, WEBJ, WEBW, WFI, WGBF, WGHB, WGHP, WHAS, WHAZ, WJAZ, WJJD, WJR, WKAF, WKAR, WMAQ, WMAZ, WMC, WNYC, WOI, WOOD, WRC, WRVA, WSB, WSM, WTAM.

Eastern Time Stations

CFCA, Toronto, Can. (356.9m-840kc), 11 a. m., Timothy Eaton Memorial church.

CHIC, Toronto, Can. (356.9m-840kc), 5 p. m., George H. Graham, organist.

CKAC, Montreal, Can. (410.7m-730kc), 2:45 p. m., Capitol theater hour; Jerry Shea's symphony; vocal selections, specialties; jazzing up the organ, Buddy Payne.

KDKA, Pittsburgh, Pa. (309.1m-970kc), 11 a. m., services; 4 p. m., organ recital, Charles Heinroth; 4:45, Shadyside Presbyterian church; 6:30, dinner concert; 7:15, chimes, Calvary Episcopal church; 7:45, services.

WADC, Akron, Ohio (258.5m-1160kc), 12:30 p. m., organ recital, Allen theater; 6:30, dinner concert, Carnes Richards Hotel Portage quintet.

WBAL, Baltimore, Md. (245.8m-1220kc), 6:30-7:30 p. m., WBAL concert orchestra.

WBBR, New York, N. Y. (272.6m-1100kc), 10 a. m., violin and viola duets; 10:15, Sunday school lesson; 10:35, F. Kleinhans, baritone; I. B. S. A. choral singers; 11:30, choral singers, duets; 2 p. m., Watchtower orchestra; F. Kleinhans, baritone; 9, Watchtower string quartet.

WBZ, Springfield, Mass. (333.1m-900kc), 10:50 a. m., Trinity church; 6 p. m., Aly Dulfer, violinist; Alexander Blackman, violist; George Brown, cellist; Hans Ebell, pianist; 7, Copley Plaza orchestra; 8:50, Priscilla quartet; 9:15, "The Lost Word," Dr. D. M. Staley; Bostonia trio.

WCAE, Pittsburgh, Pa. (461.3m-650kc), 4 p. m., WEAF; 6:30, dinner concert, William Penn hotel; 7:20, WEAF; 9:15, WEAF.

WCAP, Washington, D. C. (468.5m-640kc), 11 a. m., Wallace Memorial United Presbyterian church; 4 p. m., Bethlehem chapel; 6:20-7:20, chamber music; 7:20-9:15, Capitol theater; 9:15-10:15, WEAF.

WCAU, Philadelphia, Pa. (277.6m-1080kc), 11 a. m., First Unitarian church services; 5 p. m., recital; 5:15, church services; 5:25, "Why Are Books So Worth While?" Rev. John W. Stockwell; 5:35, recital; 5:45, "The Hidden Host," Rev. John W. Stockwell; 6:45, Clarence Seaman and his Pennsylvania orchestra; 7:45, Cathay Tea Garden orchestra; 8:30, Barry O'Moore and the Renwit Teller ensemble; 10:15, American Radio hour.

WCX, Detroit, Mich. (516.2m-580kc), Service.

WEAF, New York, N. Y. (491.5m-610kc), 2-3 p. m., Greater New York Federation of Churches; 3-4, young people's conference, chain of stations; 4-5:30, Y. M. C. A.; 5:30-6, musicale; 6-7, studio orchestra; 7-7:20, chamber musicale; 7:20-9:15, Capitol theater, chain; 9:15-10:15, Atwater Kent Radio hour, Frieda Hempel, soprano, chain.

WEEI, Boston, Mass. (348.6m-860kc), 6 p. m., Jordan Marsh Company's Sparkling Diamonds; 7:20, Capitol theater, WEAF; 9:15, WEAF.

WFI, Philadelphia, Pa. (394.5m-760kc), 4:30 p. m., Federation of Churches; 7:30, Arch Street Presbyterian church services; 9:15, WEAF, Frieda Hempel, soprano; Elmo Balough, pianist; Louis P. Fritze, flutist.

WGHP, Detroit, Mich. (270.1m-1110kc), 11 a. m., Gross Pointe Presbyterian church.

WGR, Buffalo, N. Y. (319m-940kc), 10:45 a. m., Westminster Presbyterian church; 7:45 p. m., Central Presbyterian church; 9:15, WEAF.

WGY, Schenectady, N. Y. (379.5m-790kc), 11 a. m., Madison Avenue Reformed church; 12:30 p. m., Symphony society concert, WJZ; 3, Syracuse, WFBL, WHAM; 4:30, Elmer A. Tidmarsh, organist; 7:45, Madison Avenue Reformed church; 9, WJZ; 10, WJZ.

WHAR, Atlantic City, N. J. (275.1m-1090kc), 10:45 a. m., Chelsea Baptist church; 2:15 p. m., sacred recital, Seaside hotel trio; 7:50, Chelsea Baptist church; 9, with the classics, Seaside hotel ensemble.

WHN, New York, N. Y. (361.2m-830kc), 11:30-12:30 p. m., Calvary morning services; 12:30-1, Lexington organ recital; 2-3, Christian Endeavor program; 3-4:30, Bible class; 5-5:30, Roseland dance orchestra; 7:30-9:45, Calvary evening services; 10:15-10:45, Amatol Friedland; 10:45-11:15, Janssen's Hofbrau Haus orchestra.

WIP, Philadelphia, Pa. (508.2m-590kc), 7:15 p. m., Holy Trinity church; 9:30, Germantown theater.

WJZ, New York, N. Y. (454.3m-660kc), 11 a. m., St. Thomas Episcopal church; 12:30 p. m., Sunday symphonic society; 2:30, Sunday Radio forum; 3:30, Empress of Scotland orchestra; 3:55, St. George's vesper service; 7, Hotel Pennsylvania concert orchestra; 8, Bakelite hour; 9, American orchestral concert; 10, Godfrey Ludlow, violinist.

WLIT, Philadelphia, Pa. (394.5m-760kc), 2 p. m., Arcadia cafe concert orchestra; 6:30, Benjamin Franklin organ recital; 7, Benjamin Franklin concert orchestra.

"A Step On the Stairs," the thrilling mystery play, is being given in Washington, D. C., by the WRC players, above. Seated from left to right are: Maurice Joyce, Madge Tucker, director of the WRC players, John Davenport Long. Standing are: Jean Farnam Peterson, Edward B. Husing, Martin Scranage.

WLWL, New York, N. Y. (288.3m-1040kc), 8 p. m., Paulist choristers' services.

WMAK, Buffalo, N. Y. (265.3m-1130kc), 10:25 a. m., First Presbyterian church; 7:30 p. m., Churchill tabernacle.

WMCA, New York, N. Y. (340.7m-880kc), 6 p. m., Roemer's Homers; 7, Ernie Golden and his Hotel McAlpin orchestra; 7:30, Olcott Vail and his Hotel McAlpin string ensemble; 8, Mayolians; 9:15, Parody orchestra; 10:30, Twin Oaks orchestra.

WOO, Philadelphia, Pa. (508.2m-590kc), 10:30 a. m., Bethany Presbyterian church; 2:30 p. m., musical exercises, Bethany Sunday school; 6, organ recital, Clarence Bawden.

WPG, Atlantic City, N. J. (299.8m-1000kc), 3:15 p. m., Arthur Scott Brook, organist; 4:15, St. James' Episcopal church; 9:15, Hotel Ambassador concert orchestra; 10, Master Barbers' association; 10:15, Arthur Scott Brooks, organist; Crescendo club chorus.

WTAG, Worcester, Mass. (267.7m-1120kc), 7:20-9:15 p. m., WEAF; 9:15-10:15, WEAF.

WTIC, Hartford, Conn. (475.9m-630kc), 5 p. m., M. Rozyan, organist.

WWJ, Detroit, Mich. (352.7m-850kc), 10 a. m., First Presbyterian church; 2 p. m., Detroit News orchestra; 4, organ recital; 7:20, WEAF; 9:15, WEAF.

Central Time Stations

KFAB, Lincoln, Nebr. (340.7m-880kc), 4-5 p. m., vesper service; 9-11, musicale.

KFRU, Columbia, Mo. (399.8m-750kc), 7:30 a. m., sunrise service, quartet; 9:30, Burral Bible class; 7:30 p. m., Columbia Baptist church.

KLDS, Independence, Mo. (440.9m-680kc), 11 a. m., Stone church services; 4 p. m., special Stone church services; choir; Elizabeth Hitchcock, organist; 8, Mendelssohn's "Elijah," Messiah choir; Robert Miller, organist; Pauline Etzenhouser, pianist.

KMOX, St. Louis, Mo. (280.2m-1070kc), 9 p. m., Missouri theater.

KOIL, Council Bluffs, Iowa (277.6m-1080kc), 11 a. m., First Congregational church; 4 p. m., St. Paul's Episcopal choir; 7, sleepy time girl, Bernice Clizbe; 7:30, Monarch; 11, Hotsy Totsy hour.

KPRC, Houston, Tex. (296.9m-1010kc), 10:45 a. m., First Methodist church; 7 p. m., chimes concert, St. Paul Methodist church; 7:30, St. Paul Methodist church; 9:30, Harry Kobusch and his orchestra; 11, Texan theater pipe organ concert.

KSD, St. Louis, Mo. (545.1m-550kc), 6:15 p. m., WEAF; 8:15, WEAF.

KTHS, Hot Springs National Park, Ark. (374.8m-750kc), 11-12:15 p. m., St. Luke's Episcopal church; 9-10, classic hour; 10-11:30, Arkansas Traveler Radio special train; 11:30-12:30 a. m., Lawson Reid, organist.

KYW, Chicago, Ill. (535.4m-560kc), 11 a. m., Central church; 2:30 p. m., chapel service; 4:30, matinee; 7, Chicago Sunday Evening club, Henry Van Dyke; 9:30-11, classical concert.

WAMD, Minneapolis, Minn. (243.8m-1230kc), 10:30 a. m., First Unitarian church; 6:15 p. m., dinner concert; 6:45, stock company; 9:30, Gould banjo club.

WBAP, Ft. Worth, Texas (475.9m-630kc), 5-6 p. m., sacred concert; 9:30-11, Texas hotel orchestra.

WBBM, Chicago, Ill. (225.4m-1330kc), 4-6 p. m., Sunday matinee; 8-10, Alemite orchestra; Pauline Stiffler Atlass, violinist; 12-2, Nutty club.

WCBD, Zion, Ill. (344.6m-870kc), 8 p. m., Treble Clef chorus, male quartet; Ralph Bull and E. Paxton, duettists; Mrs. Bird, Miss Donovan, duettists; Mark Whiteside, baritone; duets, Mr. and Mrs. Steel; reader, pianist.

WCCO, Minneapolis-St. Paul, Minn. (416.4m-720kc), 10:50 a. m., Westminster Presbyterian church; 3 p. m., Bible study; 4:10, House of Hope Presbyterian church; 6:20, Second Church of Christ, Scientist; 8:15, WEAF.

WDAF, Kansas City, Mo. (365.6m-820kc), 3-4 p. m., mixed quartet, Christian church, Olathe, Kan.; 4-4:45, Sabbath vespers, International Bible Students association.

WEBH, Chicago, Ill. (370.2m-810kc), 10:40-12 noon, Seventh Church of Christ, Scientist; 5-6 p. m., twilight musicale; 7-9, news; Oriole orchestra; artists.

WEMC, Berrien Springs, Mich. (285.5m-1050kc), 11 a. m., Trinity studio choir; vocal duets, Thelma Abel, Harlan Abel; 11:50, Prescott Fairchild, violinist; 8:15 p. m., piano prelude, Agnes Sorenson; Trinity studio choir; Cardinal quintet; 8:55, sermon; 9:10, A. A. Fellows, soprano.

WFAA, Dallas, Tex. (475.9m-630kc), 6-7 p. m., Radio Bible class; 7:30-8:30, City temple; 8:30-9:30, Leland Johnson, pianist; 11-12, MacDowell Sisters.

WGN, Chicago, Ill. (302.8m-990kc), 6:30-6:45 p. m., musical program; 6:45, old-time favorites; 6:55, "The Million Sing"; 7-8:15, Drake concert ensemble, Blackstone string quintet; 8:15, WEAF; 9:15, old-time music room; 10, Sam 'n' Henry; 10:10, old-time favorites; 10:20-11, musical program, ensemble; Charlie Straight's Rendezvous orchestra.

WHAS, Louisville, Ky. (399.8m-750kc), 9:57 a. m., organ prelude; 10, Broadway Baptist church; H. Goodwin, organist; choir; 4:30-5:30 p. m., evensong choral service, Christ Church cathedral; Ernest Simon, organist; boys' choir.

WHB, Kansas City, Mo. (365.6m-820kc), 9:45-10:45 a. m., Linwood Boulevard Christian church; Mrs. Fred Bishop, organist; Nora LaMarr Moss, contralto soloist; 1:15-2:30 p. m., Independence Boulevard Christian church; Hans Feil, organist; 8-9:15, services; 11:15-1 a. m., special college night program, selections from colleges, fraternities, sororities; Morrill Moore, organist.

WHO, Des Moines, Iowa (526m-570kc), 11 a. m., St. Ambrose cathedral; 4 p. m., Algona men's glee club; 5-6, Bankers Life trio; Myrtle Williams, soprano; Stewart Watson, baritone; 7:30-8:15, Fourteenth Cavalry band; 11-12, Bankers Life little symphonic orchestra.

WHT, Chicago, Ill. (399.8m-750kc), 11:30-12 p. m., Paul Rader.

WIBO, Chicago, Ill. (225.4m-1330kc), 2-4 p. m., concert, Sigma chapter, Mu Psi Epsilon fraternity; 6-8, dinner concert, string trio; Ruth Ford, contralto; Robert Wessling, baritone; Helen Snyder, soprano; Bob York, tenor; 10-12, popular program, Marie Tully, songs; Wayne Myers, monologist; vocal numbers; Melody Three.

WJJD, Mooseheart, Ill. (370.2m-810kc), 7:45 a. m., Catholic services; 9:40-10:30, Protestant services; 3 p. m., Mooseheart Sunday concert.

WKRC, Cincinnati, Ohio (422.3m-710kc), 6:45 p. m., Walnut Hills Christian church; 10, classical program; 11:15, Ace Brigode and his Virginians.

WLIB, Chicago, Ill. (302.8m-990kc), 5-6:30 p. m., chamber music.

WLS, Chicago, Ill. (344.6m-870kc), 6 p. m., prelude; 6:30, Little Brown church.

WLW, Cincinnati, Ohio (422.3m-710kc), 11 a. m., Seventh Presbyterian church, Jesse Halsey, minister; 4 p. m., organ recital; 7:30, services, Emmaus Evangelical Lutheran church; 8:30, concert, H. and S. Pogue company; George Conver, tenor.

WMBB, Chicago, Ill. (249.9m-1200kc), 3-5 p. m., Trianon orchestra; Woodlawn theater orchestra; Eugene Pletnik, Bob Duffy, Ted Graham, Andy Anderson, Bob Bennett; semi-classical operatic program; 7:40-9, Fifth Church of Christ, Scientist; 9-11, Trianon orchestra; Woodlawn theater orchestra; Arvid Anderson, baritone; Scotty Welch and Madison Sisters; Ed Wallace, tenor; Tracy and Duncan, Matts and Donovan, popular program.

WMC, Memphis, Tenn. (499.7m-600kc), 11 a. m., St. Mary's Episcopal cathedral.

WNAD, Norman, Okla. (254.1m-1180kc), 9:30 p. m., vocal selections, Dorothy Patswold; Frances Brixey, pianist.

WOAI, San Antonio, Tex. (394.5m-760kc), 11 a. m., First Presbyterian church; 7:30 p. m., Central Christian church; 9:30, hour of music.

WOAW, Omaha, Nebr. (526m-570kc), 6 p. m., Bible study period; 9, Cross Lutheran church.

WOC, Davenport, Iowa (483.6m-620kc), 1-2:30 p. m., old folks' musicale; 6:30-7, United Presbyterian church; 8:15-9:15, WEAF; 10-11:30, Palmer little symphony.

WOK, Chicago, Ill. (217.3m-1380kc), 6 p. m.-1 a. m., Tearney's Town Club orchestra; Carl Lorraine's Pershing Palace orchestra; Husk O'Hare's Cocoanut Grove orchestra; Capitol theater musical program; program.

WORD, Batavia, Ill. (275.1m-1090kc), 2:30 p. m., Chicago Rapid Transit company; 6, I. B. S. A. evensong service; 9:30, Oscar A. Olson; 10:45, Bible lecture.

WOS, Jefferson City, Mo. (440.9m-680kc), 9:30 a. m., Christian church; 5 p. m., Christian church; 7:30, First Presbyterian church.

WQJ, Chicago, Ill. (447.5m-670kc), 10-12 noon, Peoples church, choir, Clarence Eddy, organist; 3-4 p. m., Resurrection choir; Katherine McDevitt, pianist; 8-10, Ralph Williams and his concert orchestra; Lena Kirk, soprano; Otto Moore, baritone; Fontella trio; Henry Weise, violinist; F. Clark, tenor.

WSAI, Cincinnati, Ohio (325.9m-920kc), 3-4:30 p. m., WEAF; 7:45, chimes; 8:15, WEAF.

WSB, Atlanta, Ga. (428.3m-700kc), 5 p. m., Grant Park Baptist church choir; 7:30, Second Baptist church.

WSM, Nashville, Tenn. (282.8m-1060kc), 7:30 p. m., Princess theater.

WSOE, Milwaukee, Wis. (245.8m-1220kc), 8:30 a. m., service, Rev. F. B. Dunkley; 7:30, M. E. church.

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

Mountain Time Stations

CFAC, Calgary, Can. (435.8m-688kc), 7:15 p. m., First Baptist church.

KFXF, Colorado Springs, Colo. (250m-1200kc), 11 a. m., First Presbyterian church; 7:30 p. m., First Methodist church.

KOA, Denver, Colo. (322.4m-930kc), 11 a. m., Augustana Lutheran church; 3 p. m., Augustana church musicale; 7:30, Augustana Lutheran church.

Pacific Time Stations

KFI, Los Angeles, Calif. (467m-642kc), 7-7:30 p. m., Grebe Synchrophase string ensemble; 7:30-8, program by Robert Hurd; 8-9, Dan L. McFarland, organist; 9-10, Movieland dance orchestra; Mert Denman and his uke; 10-11, Packard Six dance orchestra.

KFON, Long Beach, Calif. (232.4m-1280kc), 6:30-7:30 p. m., program, Prest and Dean Electric company; 7:45-9, First Church of Christ, Scientist; 9-11, classical program; 11-12, Helene Smith, Freddy Carter.

KFWB, Hollywood, Calif. (252m-1190kc), 9-11 p. m., Warner Brothers' Sunday night movie frolic, Jack Smith's dance orchestra and others.

KGO, Oakland, Calif. (361.2m-830kc), 11 a. m., First Congregational church services; 3:30 p. m., KGO little symphony orchestra; 7:45, First Congregational church service; James Isherwood, baritone; Earl Towner, organist.

KGW, Portland, Ore. (491.5m-610kc), 10:25-12 noon, First Presbyterian church; 7:30-9 p. m., East Side Baptist church; 9-10, Chevrolet symphony orchestra.

KHJ, Los Angeles, Calif. (405.2m-740kc), 4-5 p. m., Masonic service; 7-8, First Methodist Episcopal church; 8-10, Times Sunday evening concert.

KJR, Seattle, Wash. (384.4m-780kc), 11-12:30 p. m.,

EDUCATIONAL FEATURES

Monday, April 12

Eastern	Central	Mountain	Pacific
6:30 p. m.	5:30 p. m.	4:30 p. m.	3:30 p. m.

WNYC (526m-570kc) German lessons, V. H. Berlitz.

7	6	5	4

WEAF (491.5m-610kc) Columbia university lecture.

8:15	7:15	6:15	5:15

KDKA (309.1m-970kc) University of Pittsburgh.

8:20	7:20	6:20	5:20

WNAD (254.1m-1180kc) Talk, U. of Oklahoma.

8:30	7:30	6:30	5:30

WSUI (483.6m-620kc) College of the Air.

8:40	7:40	6:40	5:40

KFKU (275.1m-1090kc) "Beginning and Early History of Life on the Earth," Dr. R. C. Moore.

9:30	8:30	7:30	6:30

WHAZ (379.5m-790kc) Address, Prof. T. R. Lawson.

10:30	9:30	8:30	7:30

KWSC (348.6m-860kc) "History of the Northwest," Dr. E. A. Bryan.

12:15 a. m.	11:15	10:15	9:15

KGO (361.2m-830kc) "Character Training in the Home," W. G. Paden.

12:30	11:30	10:30	9:30

KGO (361.2m-830kc) Speech improvement, Mabel S. Gifford.

Tuesday, April 13

Eastern	Central	Mountain	Pacific
6:45 p. m.	5:45 p. m.	4:45 p. m.	3:45 p. m.

WGBS (315.6m-950kc) Art series, Prof. George Cox.

7	6	5	4

WKAR (285.5m-1050kc) Nature study.

7:10	6:10	5:10	4:10

WRC (468.5m-640kc) Radio school of international relations.

7:30	6:30	5:30	4:30

WBZ (333.1m-900kc) Journalism, Edward B. Whiting.

WGY (379.5m-790kc) "How Old Is the Earth?" Prof. E. S. C. Smith.

8:15	7:15	6:15	5:15

KDKA (309.1m-970kc) "Historical Anniversaries of 1926," Dr. John W. Oliver.

8:20	7:20	6:20	5:20

WNAD (254.1m-1180kc) Talk, U. of Oklahoma.

10	9	8	7

WMAQ (447.5m-670kc) Lecture, University of Chicago.

Wednesday, April 14

Eastern	Central	Mountain	Pacific
6:30 p. m.	5:30 p. m.	4:30 p. m.	3:30 p. m.

WNYC (526m-570kc) Spanish lesson, V. H. Berlitz.

Eastern	Central	Mountain	Pacific
7:30 p. m.	6:30 p. m.	5:30 p. m.	4:30 p. m.

WMCA (340.7m-880kc) Spanish lesson.

7:40	6:40	5:40	4:40

WTAG (267.7m-1120kc) Spanish lesson, Mrs. John De La Parra.

8	7	6	5

WNAD (254.1m-1180kc) U. of Okla.

8:30	7:30	6:30	5:30

WSUI (483.6m-620kc) College of the Air.

9	8	7	6

WMAQ (447.5m-670kc) Lecture, Northwestern university.

11	10	9	8

WSAI (325.9m-920kc) U. of Cincinnati.

Thursday, April 15

Eastern	Central	Mountain	Pacific
7 p. m.	6 p. m.	5 p. m.	4 p. m.

WKAR (285.5m-1050kc) Nature study series.

8	7	6	5

WGST (270.1m-1110kc) "Freshman Orientation," Prof. Floyd Fields.

8:30	7:30	6:30	5:30

WSUI (483.6m-620kc) Correspondence courses.

9	8	7	6

KUOA (299.8m-1000kc) Lectures, University Extension.

10	9	8	7

KUOM (243.8m-1230kc) "Labor Economics," Dr. J. M. Underwood.

WMAQ (447.5m-670kc) Lecture, University of Chicago.

Friday, April 16

Eastern	Central	Mountain	Pacific
6:30 p. m.	5:30 p. m.	4:30 p. m.	3:30 p. m.

WNYC (526m-570kc) French lesson.

7	6	5	4

WJZ (454.3m-660kc) New York university course.

WKAR (285.5m-1050kc) Nature study series.

7:35	6:35	5:35	4:35

WGY (379.5m-790kc) French lesson, Leon A. Huguement.

10:15	9:15	8:15	7:15

WTIC (475.9m-630kc) Cartoon lessons, Bud Kingston.

10:30	9:30	8:30	7:30

KWSC (348.6m-860kc) "The Sense Organs," Dr. Cooley.

10:45	9:45	8:45	7:45

KOAC (280.2m-1070kc) "How the Earth Came into Existence," D. C. Livingston.

11	10	9	8

KOAC (280.2m-1070kc) "Birds as Neighbors," Dr. Florence S. Hague.

SOUTHERN MELODY MAKERS AT WHB

Sunday, April 11

First M. E. church; 5-6, Renfro-Wadenstein's Spargur string quartet; 7:15-7:30, organ recital, Mrs. Montgomery Lynch; 7:30-9, First M. E. church; 9-10:30, orchestra.

KNX, Hollywood, Calif. (336.9m-890kc), 6:30-7 p. m., Unitarian church; 8-9, First Presbyterian church; 9-10:30, program, Beverly Hills Nurseries.

KPSN, Pasadena, Calif. (315.6m-950kc), 8:45-9:45 p. m., Maryland artists' ensemble.

KPO, San Francisco, Calif. (428.3m-700kc), 9:45-10:45 a. m., undenominational and non-sectarian church service; 5-6 p. m., organ recital, Marshall Giselman; 6-6:30, States restaurant orchestra; 6:35-8:35, Palace hotel concert orchestra; 8:35-10, Rudy Seiger's Fairmont hotel orchestra; 10-12, Henry Halstead's orchestra.

KTAB, Oakland, Calif. (239.9m-250kc), 9:45 a. m., Bible lecture, Prof. E. G. Linsley; 11, service; 7:45 p. m., service; 9:30-11, concert.

Monday, April 12

Headliners Today

Eastern	Central	Mountain	Pacific
7:45 p. m.	6:45 p. m.	5:45 p. m.	4:45 p. m.

WGY (379.5m-790kc) Servoss choral club.

9	8	7	6

KDKA (309.1m-970kc) Ruud Light opera hour.

KUOA (299.8m-1000kc) Special program, "The Life of Everyman."

9:15	8:15	7:15	6:15

WEMC (285.5m-1050kc) Saered program.

10	9	8	7

KGW (491.5m-610kc) "Australia," talk.

KMOX (280.2m-1070kc) Operalogue, "Traviata."

WEAF (491.5m-610kc), WOO, WCAE, WJAR, WCAP, WTAG, WTIC, WSAI, Grand opera, "Rigoletto."

WJZ (454.3m-660kc) String quartet.

WOOD (241.8m-1240kc) "The Haunted Chamber," play.

KUOM (249.8m-1230kc) "Northwest Indian Music."

10:30	9:30	8:30	7:30

KPRC (296.9m-1010kc) McFarland-Cochran trio.

11	10	9	8

WHAZ (379.5m-790kc) Students' orchestra.

WTIC (475.9m-630kc) Symphonic ensemble.

WOOD (241.8m-1240kc) "The Haunted Chamber."

Monday, silent night for: CKAC, CNRA, CNRC, CNRE, CNRM, CNRO, CNRR, CNRT, CNRV, CNRW, KFAU, KFMX, KFWA, KHJ, KPSN, KSAC, KUOA, KYW, WBBM, WCBD, WEAO, WEBH, WEBJ, WEBW, WENR, WGBF, WGBS, WGES, WGN, WHAS, WHT, WIBO, WIP, WJAZ, WJJD, WLIB, WLS, WMAQ, WMBB, WOAI, WOC, WOK, WORD, WOS, WQJ, WRC.

Eastern Time Stations

CKNC, Toronto, Can. (356.9m-840kc), 9 p. m., CKNC symphony orchestra; Schuch concert company singers.

KDKA, Pittsburgh, Pa. (309.1m-970kc), 6:30 p. m., dinner concert; 9, Ruud light opera hour.

WABQ, Haverford, Pa. (261m-1150kc), 11 p. m., Horace Hustler, organist.

WADC, Akron, Ohio (258.5m-1160kc), 6:30 p. m., dinner concert, Carnes Richards Hotel Portage quintet; 1 a. m., India Owls.

WAHG, Richmond Hill, N. Y. (315.6m-950kc), 7:30 p. m., Walter A. Looss, pianist; 7:45, Fred Gerrold, baritone; 8, Synchrophase hour; 9:30, Madeleine Hulsizer, soprano; 10:02, Madeleine Hulsizer, soprano; 10:30, Joe Zimmerman's orchestra; 12, dance music.

WBAL, Baltimore, Md. (245.8m-1220kc), 6:30-7:30 p. m., dinner program; 7:30-8, Frederick D. Weaver, organist; 8-9, Lois Boyles, soprano; Melva Forsyth, contralto; Edward Jendrek, tenor; Josephine Beasley, pianist; Margaret Day, cellist; 9:10-10, musicale.

WBBR, New York, N. Y. (272.6m-1100kc), 8 p. m., Irene Kleinpeter, soprano; 8:20, George Twaroschk, pianist.

WBZ, Springfield, Mass. (333.1m-900kc), 6:30 p. m., Hotel Lenox ensemble; 7:30, Rene Dagenais, organist; 8, Capitol theater orchestra; 8:30, state of Maine reunion; 10:30, Leo Reisman and his Hotel Brunswick orchestra.

WCAE, Pittsburgh, Pa. (461.3m-650kc), 6:30 p. m., dinner concert, William Penn hotel; 8, studio concert; 10, WEAF; 11, dance orchestra.

WCAP, Washington, D. C. (468.5m-640kc), 7-11 p. m., WEAF.

WCAU, Philadelphia, Pa. (277.6m-1080kc), 7:30 p. m., N. Snellenburg recital; 8, Carolyn Thomas, soprano; 8:30, The Hood Boys; 8:45, Enright's Gems; 9, The Merry Minstrels; 9:30, Kentucky Kardinals; 10, Madrigal mixed quartet.

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

WEAF, New York, N. Y. (491.5m-610kc), 4 p. m.-12 midnight, Brown trio; Vincent Lopez and his orchestra; William Lawlor, baritone; A. and P. Gypsies; "Rigoletto"; Ben Bernie and his orchestra.

WEEI, Boston, Mass. (348.6m-860kc), 7:30 p. m., Black Iron Shiners; 8, Poetic walker; 8:15, Central Automobile Tire company; 9, WEAF.

WFI, Philadelphia, Pa. (394.5m-760kc), 6:30 p. m., Bellevue Stratford concert orchestra; 7, Bellevue Stratford dance orchestra.

WGBS, New York, N. Y. (315.6m-950kc), 6:30 p. m., Premier club orchestra.

WGCP, New York, N. Y. (252m-1190kc), 8:30 p. m., studio program; 9:30, Jimmy Clark, pianist; 10, Strickland's orchestra; 10:30, China Royal orchestra.

WGHB, Clearwater, Fla. (265.3m-1130kc), 6:30-7:30 p. m., Lakewood Terrace orchestra; 8:30-10, diversified program; 11:30-1 a. m., midnight ramble, Lakewood Terrace orchestra.

WGHP, Detroit, Mich. (270.1m-1110kc), 6 p. m., dinner concert, Gerald Marks Hotel Fuller orchestra; Richard Ralph, tenor; Wayne Frary, pianist; 8, Little Symphony orchestra; John Wummer, flutist; Victor Polant, violinist; Leona Mitchell, soprano; T. Stanley Perry, tenor; 12, Gerald Marks and his orchestra.

WGR, Buffalo, N. Y. (319m-940kc), 6:30 p. m., Lester Erlenbach's K. of C. concert orchestra; 8, Niagara University orchestra and glee club; 9, popular program, Wheat's division, General Ice Cream company; 10, Robert H. Fountain, baritone; 11, Vincent Lopez Hotel Statler dance orchestra.

WGY, Schenectady, N. Y. (379.5m-790kc), 6:30 p. m., Hotel Van Curler; 7:45, Georgine Servoss choral club.

WHAR, Atlantic City, N. J. (275.1m-1090kc), 8 p. m., Seaside hotel trio; 11, Folities Bergere dance orchestra.

WHAZ, Troy, N. Y. (379.5m-790kc), 9 p. m., Albany college of Pharmacy glee club and orchestra; 11, Rensselaer Polytechnic Institute students' orchestra.

WHN, New York, N. Y. (361.2m-830kc), 7:20 p. m., Joe Ward's Swanee entertainers; 8:05, Roseland dance orchestra; 8:30, George's surprise; 9:30, Loew's New York orchestra; 10, Loew's Metropolitan orchestra entertainment; 10:30, Leroy Smith's orchestra; 11, Cotton club orchestra; 11:30, Silver Slipper orchestra.

WIP, Philadelphia, Pa. (508.2m-590kc), 6:05 p. m., Benjamin Franklin concert orchestra; 7, dancing lessons by Miller Conservatory of Dancing.

WJZ, New York, N. Y. (454.3m-660kc), 7 p. m., Hotel Commodore dinner concert; 8, Astor Coffee orchestra; 10, Sasha Culbertson and string quartet; 10:45, Harry Leonard's Waldorf Astoria dance orchestra.

WLIT, Philadelphia, Pa. (394.5m-760kc), 9 p. m., Stanley hour of music; 10, Arcadia cafe dance orchestra; 10:30, vaudeville features, Fay's theater; 10:45, El Patio dance orchestra.

WLWL, New York, N. Y. (288.3m-1040kc), 9:30 p. m., program; 10:15, program.

"a Step On the Stairs"

Broadcast as a Play

EPISODE SEVEN—THE SETTING

EPISODE SIX continues in the high-beamed hunt-room, the room that has been the scene of strange and mysterious crimes, of the Turner manse. The guests who had gathered there to hear a message from Peleg Turner, have waited patiently until Tolliver returns from the Radio station to report that murderous deeds have been afoot there, too. Just as he displays a letter he has stolen at the station, Mary Williams seemingly faints, throwing out her hand and upsetting the candle. In the resultant darkness the letter has disappeared. Mary Williams and Ardwyn stay alone in the room to await the return of a stranger. He returns, in the dark, and the guests come in the room just in time to find Ardwyn unconscious with a flesh wound on his head and Miss Williams fainted—holding part of Peleg Turner's funeral clothes. The two are revived, and all but Mary leave the room. Then John Carton reappears to Mary and asks her to believe in him. He narrowly escapes the return of the other people and is assisted in escaping by Hari Singh, who then shortly returns from the outside with the unconscious form of Milford Jones. The seance is resumed with the unbelievable result that Peleg Turner's voice comes over the Radio. He curses the murderer of his brother. He says the murderer is now in the house, but shall pay in full ere dawn. Pandemonium reigns. The beam of a flashlight hits Tolliver. Attempts to locate the owner of the light are in vain. A human chain is formed to count heads. Instead of eleven as there should be, thirteen people are found in the darkened room. Tolliver seeks matches but is engaged in a struggle. An unknown voice threatens to shoot to kill at the first flicker of a match. The seventh episode follows.

THE CAST

Frederick Ardwyn.....Peleg Turner's lawyer
Aunt Helen Holmes.....A relative
Mary Williams.....A youthful guest
Cousin William Caryl.....A relative
"Doggy" French and Jim.....Two uninvited guests
Hari Singh.....Hindu servant of Peleg Turner
Captain Phelps and Lieutenant Cass.....State troopers

WHERE AND WHEN TO DIAL

KGO, Oakland, Calif. (361.2m-830kc). Seventh episode at 9:45 p. m. Pacific time, Saturday, April 10.

KOA, Denver, Colo. (322.4m-930kc). Seventh episode at 9:40 p. m. Mountain time, Monday, April 12.

WBAP, Fort Worth, Texas. (475.9m-630kc). Third episode at 11 p. m. Central time, Thursday, April 15.

WCCO, Minneapolis-St. Paul, Minn. (416.4m-720kc). Seventh episode at 10:05 p. m. Central time, Tuesday, April 13.

WGY, Schenectady, N. Y. (379.5m-790kc). Sixth episode at 8:15 p. m. Eastern time, Friday, April 9. Seventh episode same time, April 16.

WHO, Des Moines, Iowa (526m-570kc). Seventh episode at 2:30 p. m. Central time, Monday, April 12.

WLW, Cincinnati, Ohio (422.3m-710kc). Seventh episode at 8:30 p. m. Central time, Saturday, April 10.

WMAQ, Chicago, Ill. (447.5m-670kc). Seventh episode at 9 p. m. Central time, Wednesday, April 7. Eighth episode same time April 14.

WNAC, Boston, Mass. (280.2m-1070kc). Seventh episode at 8:30 p. m. Eastern time, Wednesday, April 7. Eighth episode at same time April 14.

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

WOAW, Omaha, Nebr. (526m-570kc), Sixth and seventh episodes at 8 p. m., Central time, Saturday, April 10.

WOC, Davenport, Iowa (483.6m-620kc). Seventh episode at 10:30 p. m. Central time on Friday, April 9. Eighth episode same time, April 16.

WOR, Newark, N. J. (405.2m-740kc). Seventh episode at 10:30 p. m. Eastern time, Saturday, April 10.

WRC, Washington, D. C. (468.5m-640kc). Sixth episode at 8:15 p. m. Eastern time, Friday, April 9. Seventh episode same time April 16.

KTHS, Hot Springs National Park, Ark. (374.8m-800kc). Schedule to be announced over air.

WMAK, Buffalo, N. Y. (265.3m-1130kc), 7:30-8:30 p. m., Murray Whiteman and his serenaders; 8:30-9, musicale; 9-10, musical program, Philco hour; 10-11, musical program.

Wandering from station to station the Mona Motor Oil Twins, above, seem to enjoy it. At the present time their Radio skits may be heard up and down the Pacific coast. They specialize in comedy songs but will sing sentimental ballads if requested. Elsie White, right, sings regularly at CKNC, Toronto.

WMCA, New York, N. Y. (340.7m-880kc), 6 p. m., Olcott Vail and his Hotel McAlpin string ensemble; 6:30, Ernie Golden and his Hotel McAlpin orchestra; 7, Leona Hogarth, songster; 7:30, Kurtz Karnival Kings; 8, Fourth Annual Food Show; 11:30, Jack Denny's orchestra; 12, McAlpin entertainers.

WNYC, New York, N. Y. (526m-570kc), 6:20 p. m., piano selections; 7:35, Mark Wayne Williams; 8, studio program; 8:30, Holy Cross dinner.

WOO, Philadelphia, Pa. (508.2m-590kc), 7:30 p. m., Adelphia dinner dance music; 9, WEAF; 10, "Rigoletto"; 11, Adelphia dance orchestra.

WPG, Atlantic City, N. J. (299.8m-1000kc), 6:45 p. m., Arthur Scott Brooks, organist; 7:20, Elks' home dinner dance music; 8:40, Alice Warren Sachse, pianist; 9, Hotel Traymore concert orchestra; 10, David Williams, tenor; Elsa Meyer, pianist; 10:15, Galen hall trio; 11, Eddie McKnight's dance orchestra.

WRVA, Richmond, Va. (256.3m-1170kc), 8:10 p. m., Prof. Andonegui, Spanish violinist; 9-10, Joseph Mackey, reader; 10, Harold Lawrence and orchestra.

WTAG, Worcester, Mass. (267.7m-1120kc), 8:30-9 p. m., Broad and Long; 9-10, Robin Hood hour; 10-11, Grand opera, WEAF.

WTIC, Hartford, Conn. (475.9m-630kc), 6:50 p. m., Hub trio; 8:30, Capitol theater orchestra; 9, Eureka entertainers; 9:30, Emil Heimberger's Hotel Bond dance orchestra; 10, grand opera hour; 11, Rhythmic paraphrases, Travelers symphonic ensemble.

WWJ, Detroit, Mich. (352.7m-850kc), 6 p. m., dinner concert; 8, Detroit News orchestra; 9, WEAF.

Central Time Stations

KFAB, Lincoln, Nebr. (340.7m-880kc), 5:30-6:30 p. m., dinner program; 8:30-10:30, Slick Merriman, pianist; Belshaw's orchestra; Meraldine Schmidt, blues singer; Gloomy Gus, entertainer; Buick trio.

KFKU, Lawrence, Kan. (275.1m-1090kc), 7:15 p. m., musical program, School of Fine Arts; flute solos and duets, Helen Hannen, Ella Thomen; Margaret Cockerill, contralto.

KFRU, Columbia, Mo. (399.8m-750kc), 6:15 p. m., dinner music.

KLDS, Independence, Mo. (440.9m-680kc), 8 p. m., Mendelssohn's "Elijah," Messiah choir.

KMA, Shenandoah, Ia. (252m-1190kc), 9-11 p. m., Farnham trio.

KMOX, St. Louis, Mo. (280.2m-1070kc), 6 p. m., Arthur L. Utt, organist; 6:30, Mrs. Jacques Landree, organist; 7, Buster Brown; 8, Mrs. Jacques Landree organist; 9, "Traviata"; 10, dance music.

KOIL, Council Bluffs, Iowa (277.6m-1080kc), 6:05 p. m., Louis Armstrong, pianist; Eric Thornton, tenor; 6:30, Skinner program; 7:30, H. W. Sorenson, pianist; 9, Ray Winn and his Paramount orchestra; 10, Frances Mulholland, violinist; Virginia Mulholland, harpist; Lois Green, soprano; 11, Hotsy Totsy hour.

KPRC, Houston, Texas (296.9m-1010kc), 6:30 p. m., Harold Oxley's Warwick hotel orchestra; 7:30, Mrs. D. Turck, contralto; 7:45, Malon Gunn's dance orchestra; 8:30, E. Rodgers, tenor; Mrs. Corrine Hart, blues pianist; cabaret entertainers; 9:30, McFarland-Cochran trio.

KSD, St. Louis, Mo. (545.1m-550kc), 7 p. m., Myrtle Hartmann, soprano; 7:30, Carl Sayler, tenor; Joseph Hicksa, pianist; 9, WEAF; 10, Milliken Conservatory of Music.

KTHS, Hot Springs National Park, Ark. (374.8m-750kc), 9-12 midnight, entertainment.

KUOA, Fayetteville, Ark. (299.8m-1000kc), 8 p. m., special musical program, "The Life of Everyman."

WAMD, Minneapolis, Minn. (243.8m-1230kc), 7:01 p. m., Garrick symphony orchestra; 9, Gayle Wood, pianist; 11, frolic.

WBAP, Ft. Worth, Texas (475.9m-630kc), 6-6:30 p. m., dinner concert; 7:30-8:30, vocal and instrumental concert; 9:30-11, Ward's Trail Blazers; 11-12, Ft. Worth club orchestra.

WCCO, Minneapolis-St. Paul, Minn. (416.4m-720kc), 6:15 p. m., dinner concert, St. Paul hotel orchestra; 8, University of Minnesota program; 9, classical program.

WDAF, Kansas City, Mo. (365.6m-820kc), 6-7 p. m., School of the Air; Men's Glee club; 8-9:30, Ivanhoe band, glee club; Julian Amelung, accompanist; 11:45-1 a. m., Nighthawk frolic; Ted Weems' Victor Recording orchestra; Billy Adair's orchestra; Ted Meyn, organist.

WEMC, Berrien Springs, Mich. (285.5m-1050kc), 8:15 p. m., sacred program; Crucifixion hymns; H. Pearson, reader; violin duets, T. Madison and Kenneth Hagen, quartet.

WFAA, Dallas, Texas (475.9m-630kc), 6:30-7:30 p. m., Ford's Texas Trumpeters.

WGST, Atlanta, Georgia (270.1m-1110kc), 9-10 p. m., Georgia Tech band.

WHB, Kansas City, Mo. (365.6m-820kc), 7-8 p. m., Sweeney orchestra, dance program; Milo Finley string trio.

WHO, Des Moines, Iowa (526m-570kc), 7:30-9 p. m., Prof. Paul Stove, pianist and composer; Joseph Gifford, reader; Alex Lindblom; 11-12 midnight, organ recital, L. Carlos Meier.

WJAD, Waco, Texas (352.7m-1190kc), 8:30-10 p. m., Hot Foot orchestra; Flat quartet.

WKRC, Cincinnati, Ohio (422.3m-710kc), 6 p. m., Hotel Alms orchestra; 9, American Legion; 12 midnight, late dance program.

WLW, Cincinnati, Ohio (422.3m-710kc), 7 p. m., concert, Hotel Gibson; 7:30, Theatrical feature; 7:40, Hotel Gibson concert; 10, Times Star orchestra; Howard Hafford, tenor.

WMC, Memphis, Tenn. (499.7m-600kc), 8:30 p. m., Hugh Sandidge.

WNAD, Norman, Okla. (254.1m-1180kc), 7:20 p. m., Bernice Wysong, pianist; Helen Bailey, violinist; Tessie Rudell, vocalist; Rachael Bedford, reader; Hettie Russell, violinist; 8, Sigma Chi program.

WOAW, Omaha, Nebr. (526m-570kc), 6:20 p. m., Frank Peterson, tenor; Helen Higgins, pianist; 6:50, Fontenelle orchestra; 9, classical.

WOI, Ames, Ia. (270.1m-1110kc), 7:50 p. m., music, Sigma Alpha Iota.

WOOD, Grand Rapids, Mich. (241.8m-1240kc), 9-10 p. m., Elks band; 10-11, "The Haunted Chamber," WOOD players; 11-1, "Thirteenth Woodpile."

WSAI, Cincinnati, Ohio (325.9m-920kc), 8 p. m., WEAF; 10, Community program.

WSB, Atlanta, Ga. (428.3m-700kc), 8 p. m., program, Lulu Clark King; 10:45, Vick Myers' orchestra.

WSBT, South Bend, Ind. (275.1m-1090kc), 7:15 p. m., orchestra, concert.

WSM, Nashville, Tenn. (282.8m-1060kc), 6:30 p. m., Francis Craig's orchestra; 8, Roger Williams university quartet; 10, Vito Pellettieri's orchestra.

WSOE, Milwaukee, Wis. (245.8m-1220kc), 9 p. m., Manhattan Beach orchestra; Al Nitz, tenor; Lorraine Hug, pianist.

WSUI, Iowa City, Iowa (483.6m-620kc), 8:30 p. m., musical program, School of Music.

Mountain Time Stations

CFAC, Calgary, Can. (435.8m-688kc), 9-10 p. m., ladies' concert trio.

KFWA, Ogden, Utah (260.7m-1150kc), 9-10 p. m., Junior orchestra.

KFXF, Colorado Springs, Colo. (250m-1200kc), 8:30 p. m., Gilbert McClurg; Mrs. John Speed Tucker, soprano; Mrs. Daniel Thatcher, violinist; Mrs. Eleanor La Croix, pianist.

KOA, Denver, Colo. (322.4m-930kc), 6:30 p. m., Brown Palace string orchestra; 8, "The Parson of Pine Mountain," Otis players; Hulda Helen Edwards, soprano; Ralph Freese, tenor; KOA orchestra; 9:40, "A Step On the Stairs"; 10, ball, Denver Policemen's Protective association.

KUOM, Missoula, Mont. (243.8m-1230kc), 8 p. m., Northwest Indian music, Prof. Paul C. Phillips.

Pacific Time Stations

KFI, Los Angeles, Calif. (467m-642kc), 6:30 p. m., vest pocket program; 6:45, Radiotorial period; 7-8, Owen Fallon's Californians; 8-9, popular program; 9-10, program, Walter M. Murphy Motors company, "Bohemian Girl," Virginia Flohri and Lilyan May Challenger; 10-11, program arranged by Meiklejohn Brothers.

KFON, Long Beach, Calif. (232.4m-1280kc), 7-8 p. m., Prizma hour with club orchestra; 8-9, Press-Telegram studio; 9-11, studio frolic; 11-12 midnight, State theater organ.

KFWB, Hollywood, Calif. (252m-1190kc), 7:30-8 p. m., program, Dr. Ralph Mitchell and friendly dentists; 8-9, program, Corduroy Tire stores, featuring Corduroy Tire orchestra; 9-10, program, Star Motor Car company, Million Dollar Four orchestra, Tom Breneman, baritone; 10-11, Warner Brothers frolic.

KGO, Oakland, Calif. (361.2m-830kc), 6-6:55 p. m., twilight concert; 8:05, Arion trio.

WELL-KNOWN BALTIMORE ARTISTS

CLASSICAL CONCERTS INDEX

Saturday, April 10

Eastern 6 p. m. — Central 5 p. m. — Mountain 4 p. m. — Pacific 3 p. m.
WCX, WEAF, WMCA, WREO.
7 — 6 — 5 — 4
KGO, KYW, WEAR, WENR, WMAQ, WNYC, WOAW, WOK, WRC.
8 — 7 — 6 — 5
KDKA, KFNF, KOIL, KSD, KYW, WBBR, WGN, WMBB, WNYC, WOAW, WQJ.
9 — 8 — 7 — 6
KFOA, KPRC, KHJ, KYW, WHAS, WIP, WLW, WORD, WSAI, WSOE.
10 — 9 — 8 — 7
KNX, KYW, WEAF, WMAQ, WMC, WOAW, WOC, WORD.
11 — 10 — 9 — 8
KGO.
12 m — 11 — 10 — 9
WOAW.

Sunday, April 11

Eastern 6 p. m. — Central 5 p. m. — Mountain 4 p. m. — Pacific 3 p. m.
WCAU.
7:20 — 6:20 — 5:20 — 4:20
WCAE, WCAU, WEAF, WEAR, WEEI, WJAR, WTAG, WWJ.
8 — 7 — 6 — 5
KYW, WAMD, WBZ, WEAR, WGBS, WGCP, WKAQ, WLS, WORD.
9 — 8 — 7 — 6
KFDM, KPRC, KSD, WBZ, WCAU, WCBD, WCCO, WEAR, WGY, WHAR, WHT, WNYC, WQJ.
9:15 — 8:15 — 7:15 — 6:15
WEEI, WJAR, WTAG.
10 — 9 — 8 — 7
KHJ, KNX, KTHS, KYW, WCCO, WFAA, WNYC, WOC, WQJ, WSOE.
11 — 10 — 9 — 8
KFVE, KHJ, KNX, KPO, KTHS, KYW, WHN, WKRC, WOC.
12 m — 11 — 10 — 9
KHJ, KNX, WOC.
1 a. m. — 12 m — 11 — 10
KNX.

Monday, April 12

Eastern 6 p. m. — Central 5 p. m. — Mountain 4 p. m. — Pacific 3 p. m.
KGO, WCX, WEAF, WMCA, WREO, WWJ.
7 — 6 — 5 — 4
KMA, WCCO, WEAF, WEAR, WHAD, WJR, WOAW, WOK.
8 — 7 — 6 — 5
KFNF, KSD, WBBR, WBZ, WCAU, WCX, WHAR, WHT, WJAR, WLW, WMBB, WTAG, WTIC.
9 — 8 — 7 — 6
KFOA, KGO, KHJ, KPRC, WBBR, WCCO, WBZ, WCAE, WEEI, WHAD, WHO, WJAR, WLW, WORD, WOS.
10 — 9 — 8 — 7
KMA, KPO, KPRC, KSD, KTHS, WAMD, WCCO, WEAF, WHAD, WJAR, WOAW, WSUI, WTAG.
11 — 10 — 9 — 8
KGW, KHJ, KMA, KSD, KTHS, KWSC, WHN, WSAI.
12 m — 11 — 10 — 9
KGW, WBAP, WSAI.
1 a. m. — 12 m — 11 — 10
KHJ.

Tuesday, April 13

Eastern 6 p. m. — Central 5 p. m. — Mountain 4 p. m. — Pacific 3 p. m.
WBZ, WCX, WEAF, WMCA, WREO, WWJ.
7 — 6 — 5 — 4
KGO, KMA, WEAR, WEBJ, WGBS, WHAD, WJR, WMAQ, WOAW, WOK, WOR, WTIC, WWJ.
8 — 7 — 6 — 5
KFNF, KSD, KYW, WBZ, WCAE, WCAU, WCX, WEAR, WEEI, WGR, WHAR, WHT, WLS, WMBB, WQJ, WRC, WTIC.
9 — 8 — 7 — 6
KDKA, KFNF, KOIL, KSD, KYW, WBBR, WGN, WMBB, WNYC, WOAW, WQJ.
9 — 8 — 7 — 6
KFOA, KPRC, KHJ, KYW, WHAS, WIP, WLW, WORD, WSAI, WSOE.
10 — 9 — 8 — 7
KNX, KYW, WEAF, WMAQ, WMC, WOAW, WOC, WORD.
11 — 10 — 9 — 8
KGO.
12 m — 11 — 10 — 9
WOAW.

Wednesday, April 14

Eastern 6 p. m. — Central 5 p. m. — Mountain 4 p. m. — Pacific 3 p. m.
WCX, WEAF, WMCA, WREO, WWJ.
7 — 6 — 5 — 4
KGO, WEAR, WHAD, WJR, WMAQ, WOK, WTIC.
8 — 7 — 6 — 5
KFNF, KPRC, KSD, KYW, WAMD, WBZ, WCX, WEAF, WEEI, WHT, WLW, WMBB, WMCA, WQJ, WTAG, WWJ.
9 — 8 — 7 — 6
KFOA, KGO, KPRC, KSD, KYW, WBZ, WCCO, WDAF, WEEI, WGR, WHAD, WHAS, WJAR, WMAQ, WOR, WOS, WORD.
10 — 9 — 8 — 7
KFMX, KMA, KNX, KTHS, WAMD, WCCO, WEAF, WEEI, WGR, WHAD, WJAR, WLS, WMAQ, WNYC, WOC, WSOE.
11 — 10 — 9 — 8
KGO, KGW, KMA, KPO, KTHS, WCAE, WLS, WLW, WOC, WSAI.
12 m — 11 — 10 — 9
KGW, KPO, WHAD, WLW.
1 a. m. — 12 m — 11 — 10
WLW.

Thursday, April 15

Eastern 6 p. m. — Central 5 p. m. — Mountain 4 p. m. — Pacific 3 p. m.
WBZ, WCX, WEAF, WIP, WMCA, WREO, WWJ.
7 — 6 — 5 — 4
KGO, KSD, WEAF, WEAR, WGBS, WHAD, WJR, WMAQ, WOAW, WOK, WWJ.
8 — 7 — 6 — 5
KYW, WBBR, WBZ, WCAU, WCCO, WCX, WEAR, WEEI, WGR, WGY, WHAR, WHT, WLS, WLW, WMBB, WOAW, WQJ, WTAG, WTIC.
9 — 8 — 7 — 6
KHJ, KLDS, WBAP, WCAE, WCAU, WCBD, WCCO, WEAF, WEEI, WGR, WHAR, WHAS, WJAR, WNYC, WOC, WORD, WRC, WSAI, WSB, WTAG.
10 — 9 — 8 — 7
KNX, KPRC, KTHS, KYW, WAMD, WGR, WGY, WHAD, WMC, WOAW, WOC, WSAI.
11 — 10 — 9 — 8
KGO, KPO, KTHS, WBAP, WKRC.
12 m — 11 — 10 — 9
KGW, KPO, WHO, WKRC.

Friday, April 16

Eastern 6 p. m. — Central 5 p. m. — Mountain 4 p. m. — Pacific 3 p. m.
KGO, WCX, WMCA, WREO, WWJ.
7 — 6 — 5 — 4
KGO, WEBJ, WGY, WHAD, WJR, WMAQ, WOAW, WOK, WOR, WTIC.
8 — 7 — 6 — 5
KYW, WAHG, WAMD, WBZ, WCAU, WCX, WEBJ, WEEI, WHT, WLS, WQJ, WWJ.
9 — 8 — 7 — 6
KFDM, KFNF, KFOA, KGO, KHJ, KSD, KYW, WBAP, WBZ, WCAU, WDAF, WEEI, WHAD, WJAR, WMAQ, WMCA, WSAI.
10 — 9 — 8 — 7
KFAB, KFDM, KOA, WCCO, WHAD, WMAQ.
11 — 10 — 9 — 8
KFMX, KHJ, KNX, KPO, WABQ.
12 m — 11 — 10 — 9
KPO.

Monday, April 12

KGW, Portland, Ore. (491.5m-610kc), 6-7 p. m., dinner concert; 8-9, concert; 9-10, concert.
KJR, Seattle, Wash. (384.4m-780kc), 7-8:30 p. m., Sears, Roebuck and company; Mendelssohn trio; 8:30-10, Post Intelligencer studio program.
KLX, Oakland, Calif. (508.2m-590kc), 6:30-7 p. m., Athens Athletic club orchestra; 8-9, Piggly Wiggly company; 9-10:30, Lake Merritt Ducks.
KMTR, Hollywood, Calif. (238m-1260kc), 7:30 p. m., Y. M. C. A. program; 8-10, KMTR concert orchestra; 10-11, Starr Piano company, studio.
KNX, Hollywood, Calif. (336.9m-890kc), 7 p. m., Atwater Kent orchestra; 7-7:30, Mutual Motors mirth contest; 7:30-8, Overell's Furniture company; 8-9, program, L. W. Stockwell company; 9-10, program, Beste Dental system; 10-11, Goodrich Silvertown Cord orchestra; 11-12 midnight, Ambassador hotel dance orchestra.
KOWW, Walla Walla, Wash. (256.3m-1170kc), 8-10 p. m., Barnett School of Music; 10-12, dance music.
KPO, San Francisco, Calif. (428.3m-700kc), 6:30-7 p. m., States restaurant orchestra; 7-7:30, Rudy Seiger's Fairmont hotel orchestra; 8-9, Henry Halstead's orchestra; 9-10, KFI; 10-11, Cabirla cafe dance orchestra; 11-12, Henry Halstead's orchestra.
KTAB, Oakland, Calif. (239.9m-250kc), 8-10 p. m., program.
KWSC, Pullman, Wash. (348.6m-860kc), 7:15-9 p. m., Cougar Coed orchestra; Catherine Robinson, violinist; Faye Norris, banjoist; Dorothy Sturgiss, saxophonist; Ruth Faulkner, pianist; drums, Edna Daw; Vera Latham, pianist.

Tuesday, April 13

Headliners Today

Eastern 8 p. m. — Central 7 p. m. — Mountain 6 p. m. — Pacific 5 p. m.
WBZ (333.1m-900kc) Hebrew-English program.
WEAF (491.5m-610kc), WEEI, WFI, KSD, WCAE, WWJ, WSAI, WTAG, WGR, WCCO, WOC, WEAR, WJAR, Grand Prize Eurekas.
WLW (422.3m-710kc) Aviation talk.
9 — 8 — 7 — 6
WHB (365.6m-820kc) Southern Melody makers.
WJZ (454.3m-660kc) Orpheus trio.
10 — 9 — 8 — 7
KPRC (296.9m-1010kc) Arabia Temple Shrine band.
11 — 10 — 9 — 8
KFI (467m-642kc) Screen artists string ensemble.
KGO (361.2m-830kc) Metropolitan male singers.
WOC (483.6m-620kc) Whizz Bang dance orchestra.
11:05 — 10:05 — 9:05 — 8:05
WCCO (416.4m-720kc) "A Step On the Stairs," mystery serial.

Tuesday, silent night for: CFCA, CHIC, CKNC, CNRC, CNRE, CNRM, CNRO, CNRT, CNRW, KUOA, KFUO, KFWA, KOA, KOAC, KOB, KOWW, KUOM, KSAC, KTAB, KWSC, KYX, WABQ, WAHG, WAIU, WAMD, WBBR, WCAL, WCAP, WEMC, WGCP, WHAZ, WJAD, WJAZ, WKAF, WLWL, WMAK, WMAZ, WOI, WOS, WRVA, WSMB, WSUI, WTAM, WTIC.

Eastern Time Stations

CKAC, Montreal, Can. (410.7m-730kc), 7:15 p. m., Windsor hotel dinner program; 8:30, variety concert, 10:30, Harold Leonard's Red Jackets.
CNRA, Moncton, Can. (312.4m-960kc), 8 p. m., program Mrs. Ethel Ranger Cuzner, director; 10, CNRA orchestra.
KDKA, Pittsburgh, Pa. (309.1m-970kc), 6:30 p. m., dinner concert; 8:30, sacred song half-hour; 9, program; 11:35, concert, Grand theater.
WADC, Akron, Ohio (258.5m-1160kc), 6:30 p. m., dinner concert, Carnes Richards Hotel Portage quintet, 8, Yellow Cab company; 9, studio program; 10, Times-Press hour.
WBAL, Baltimore, Md. (245.8m-1220kc), 6:30-7:30 p. m., WBAL dinner orchestra; 7:30-8, male quartet; 8-9, Loretta Lee, soprano; George Bolek, pianist; James Wilkinson, baritone; 9-10, U. S. Naval academy band, 10-10:30, Channing Lefebre, organist.
WBZ, Springfield, Mass. (333.1m-900kc), 6:45 p. m., Hotel Lenox ensemble; 8, Hebrew-English program, 8:45, Harvard Freshmen musical clubs; 9:30, Frank Peters; 10:30, WBZ movie club.
WCAE, Pittsburgh, Pa. (461.3m-650kc), 6:30 p. m., dinner concert, William Penn hotel; 8, WEAF; 8:30, WEAF; 9, WEAF; 10, WEAF; 11, Kenyon theater.
WCAU, Philadelphia, Pa. (277.6m-1080kc), 6:30 p. m., Ralph Jackson and his Blue Grass music; 7:30, Snellenburg choral society; 8:10, The Three Brothers; 8:25, recital; 8:45, songs; 9, Robert Frazer, blind Gospel singer; 9:30, Esther Lawrence and players; 10, Eddie Malle and Danny Dougherty, songs; 10:30, Cathay Tea Garden dance orchestra.
WCX, Detroit, Mich. (516.9m-580kc), 6-7 p. m., Goldketto ensemble; 10-2 a. m., Red Apple club.
WEAF, New York, N. Y. (491.5m-610kc), 4 p. m.-12 midnight, Harry Niles, bass; Louise Lawrence trio; Vincent Lopez and his orchestra; Gold Dust Twins, Eveready hour, Vincent Lopez and his orchestra; Ross Gorman and his orchestra.
WEBJ, New York, N. Y. (272.6m-1100kc), 7 p. m., Doc Kobrin's orchestra; 7:15, Tindaro Cicero, tenor; Michele Bentempo, baritone; Mario Ostumo, pianist; 8:15, A. Wayne, singing baritone; 8:30, Henryetta Turner, ukulele girl; 8:45, Blue Bell serenaders.
WEEI, Boston, Mass. (348.6m-860kc), 8-11:30 p. m., WEAF.
WFI, Philadelphia, Pa. (394.5m-760kc), 6:30 p. m., Bellevue Stratford concert orchestra; 7:10, Bellevue Stratford dance orchestra; 8-11:30, WEAF.
WGBS, New York, N. Y. (315.6m-950kc), 7 p. m., Arrowhead Inn orchestra; 10:30, Arrowhead Inn orchestra.
WGHB, Clearwater, Fla. (265.3m-1130kc), 6:30-7:30 p. m., dinner music; 7:30-7:45, Giles Quarles, King of the Mandalaite; 8:30-9:30, Homer Moore singers; 11:45-1 a. m., Graham Prince and his orchestra.
WGHP, Detroit, Mich. (270.1m-1110kc), 6 p. m., dinner concert, Hotel Fuller orchestra; Marvella Fayette, soprano; 8:15, Skylark dance band; Harry Hayes, banjoist; Hubert Haussler, baritone; Wolverine quartet, 12-1 a. m., Gerald Marks and his orchestra.
WGR, Buffalo, N. Y. (319m-940kc), 6:30 p. m., Vincent Lopez Hotel Statler dance orchestra; 8, WEAF.
WGY, Schenectady, N. Y. (379.5m-790kc), 6:30 p. m., Hotel Van Curler orchestra; 7:45, WRC; 8:15, WGY orchestra.
WHAR, Atlantic City, N. J. (275.1m-1090kc), 8 p. m., Seaside hotel trio.
WHN, New York, N. Y. (361.2m-830kc), 6 p. m., Treasureland Neighbors; 6:30, Everglades orchestra; 7, Iceland orchestra; 7:30, Will Oakland's Chateau; 9, Loew's Eighty-third Street orchestra; 11:30, Lexington organ recital; 12, Harry Richman and his entertainers.
WIP, Philadelphia, Pa. (508.2m-590kc), 6:05 p. m., Monte Cross, "old-timer"; 6:15, Nelson Pales and his S.S. Leviathan orchestra; 8:15, Otto Kruger, violinist, Walter Dreer, cellist; Edward Bandis, pianist; 9, P. O. S. of A. band; 10:30, El Patio dance orchestra.
WJZ, New York, N. Y. (454.3m-660kc), 7:30 p. m., U. S. Marine band; 8:30, Deltah Pearl hour; 9, Orpheus trio; 10, grand tour; 10:40, George Olsen's orchestra.
WLWL, New York, N. Y. (288.3m-1040kc), 9 p. m., piano recital; 9:30, Premier male quartet; 10:15, entertainment.
WMAK, Buffalo, N. Y. (265.3m-1130kc), 6:15-7:15 p. m., dinner music.
WMCA, New York, N. Y. (340.7m-880kc), 6 p. m., Olcott Vail and his Hotel McAlpin string ensemble; 6:30, Parody orchestra; 7, Twin Oaks orchestra; 8, Fourth Annual Food Show; 8:30, Poslam Hawaiians; 10, Creole Follies; 10:30, Tango orchestra; 11, Ernie Golden and his Hotel McAlpin orchestra; 12, McAlpin entertainers.
WNYC, New York, N. Y. (526m-570kc), 6:30 p. m., The Canadians; 8, soug and instrumental recitals, 9:30, dance program.
WOO, Philadelphia, Pa. (508.2m-590kc), 7:30 p. m., program, auspices Sesquicentennial.
WPG, Atlantic City, N. J. (299.8m-1000kc), 7 p. m., Hotel Morton dinner music; 8, Plaza hotel artists; 8:30, Katz and his Kittens; 9, Chalfonte-Hadden Hall Dual trio; 10, Hotel Traymore Grill dance orchestra, 10:30, Karl Bonawitz; 11, Silver Slipper Supper club dance orchestra.
WRC, Washington, D. C. (468.5m-640kc), 7:30 p. m., United States Marine band concert; 8:30, WJZ; 9, announced; 10, WJZ; 10:30, W. Spencer Tupman and his Hotel Mayflower orchestra.
WRVA, Richmond, Va. (256.3m-1170kc), 11-1 a. m., feature program.
WTAG, Worcester, Mass. (267.7m-1120kc), 8-8:30 p. m., WEAF; 9-10, WEAF; 10-11, WEAF.
WWJ, Detroit, Mich. (352.7m-850kc), 6 p. m., dinner concert; 8, WEAF.

Central Time Stations

KFAB, Lincoln, Nebr. (340.7m-880kc), 5:30-6:30 p. m., dinner concert; 8:30-10:30, University of Nebraska program.
KFRU, Columbia, Mo. (399.8m-750kc), 6:15 p. m., dinner music.
KLDS, Independence, Mo. (440.9m-680kc), 8 p. m., studio recital, James Houghton, baritone.
KMA, Shenandoah, Ia. (252m-1190kc), 9-11 p. m., May's Mandolin musicians.
KMOX, St. Louis, Mo. (280.2m-1070kc), 6 p. m., Arthur L. Utt, organist; 6:30, Mrs. Jacques Landree, organist; 7, Dr. Jules Bischoff; character songs, Mrs. Julius Rotter; 8, Mr. and Mrs. Roland Arnoldy; 9, selections from English classics, Mrs. Madeline Anderson Mattingley; 10, Colonel 6121.
KOIL, Council Bluffs, Iowa (277.6m-1080kc), 6:05 p. m., Clara Kurtz, pianist; Lucy Rhyno, soprano; 6:30, Randall's Royal Fontenelle orchestra; 7:30, American Legion; 11, Hotsy Totsy hour.
KPRC, Houston, Texas (296.9m-1010kc), 7:30 p. m., Ralph Park's Casino Beautiful dance orchestra; 8:30, Houston Real Estate board courtesy program; 9, Arabia Temple Shrine band.
KSD, St. Louis, Mo. (545.1m-550kc), 7-10:30 p. m., WEAF.
KTHS, Hot Springs National Park, Ark. (374.8m-750kc), 9-9:15 p. m., comedy, Al Reynolds, Mrs. Sam Stone; 9:15-9:30, Mrs. Byrd Rigsby, contralto; 9:30-10, Lawson Reid, organist; 10-10:30, New Arlington hotel orchestra; 10:30-11:30, Eastman hotel orchestra.
KUOA, Fayetteville, Ark. (299.8m-1000kc), 8 p. m., University glee club quartet, soloists.
KYW, Chicago, Ill. (535.4m-560kc), 6-6:15 p. m., KDKA; 6:30-7, Congress hotel; 8-9, Henrietta Nolan, violinist; Melody quartet; Eulale Kober, pianist; 10-1 a. m., evening at home.
WBAP, Ft. Worth, Texas (475.9m-630kc), 6-6:30 p. m., dinner concert; 7:30-8:30, Rainbow Serenaders; 9:30-11, classical.
WBBM, Chicago, Ill. (225.4m-1330kc), 8-12 midnight, Jack Crawford's Alemite orchestra; Tip trio; Pete Kules; Vivian Sheffer, contralto.
WCBD, Zion, Ill. (344.6m-870kc), 8 p. m., celestial bells, violin quartet; Wiedman Sisters, double duetists; duets, Clark Pitcher and Chester Bagg, Misses Sweeney and Donovan; Alexander De Pew, flutist; Mary Sweeney, soprano; Chester Bagg, baritone.
WCCO, Minneapolis-St. Paul, Minn. (416.4m-720kc), 7 p. m., WEAF; 7:30, WEAF; 8, WEAF; 9, WEAF; 10:05, "A Step On the Stairs," mystery serial.
WDAF, Kansas City, Mo. (365.6m-820kc), 6-7 p. m., School of the Air; Trianon ensemble; 11:45-1 a. m., Nighthawk frolic; Ted Weems' Victor Recording orchestra; Billy Adair's orchestra; Johnnie Campbell's orchestra.
WEBH, Chicago, Ill. (370.2m-810kc), 7 p. m., Oriole orchestra; 8, marimba band; saxophone quintet; saxophone quartet; Kathryn Forbes, soprano; 9-9:15, news; 9:15-10, Uptown theater; 11, Oriole orchestra; 12:30 a. m., Bernard Weber, tenor; Oriole trombone duo; Mark Fisher, songs.
WFAA, Dallas, Texas (475.9m-630kc), 6:30-7:30 p. m., Jimmie Joy's orchestra; 8:30-9:30, Southern Methodist university; 11-12 midnight, Enrique Raspolo, violinist; Dallas Athletic club orchestra.
WGBF, Evansville, Ind. (236.1m-1270kc), 8 p. m., Owensville high school band; 9, Evansville Courier classical hour.
WGN, Chicago, Ill. (302.8m-990kc), 6:30-6:45 p. m., Drake concert ensemble, Blackstone string quintet; 6:45, old-time favorites; 6:55-7, "The Million Sing"; 8-9, WEAF; 9-10, studio program; 10-10:10, Sam 'n' Henry; 10:10, old-time favorites; 10:20, play shop, 10:40-11, studio ensemble.
WHAS, Louisville, Ky. (399.8m-750kc), 7:30-9 p. m., concert, Eddie Rosson and his orchestra; special recital, Signor Louis Carosio.
WHB, Kansas City, Mo. (365.6m-820kc), 7-7:45 p. m., dinner hour concert; 8-9, Southern Melody Makers; Honolulu Strummers, Hawaiian selections; songs, Horace Taylor; 9-10, Alfred Vacca, accordionist; Jack Turner, popular soloist.
WHO, Des Moines, Iowa (526m-570kc), 7:30-8 p. m., Raleigh quintet; 8-9, varied musical program; 11-12 midnight, Bankers Life Corn Sugar orchestra.
WHT, Chicago, Ill. (399.8m-750kc), 6 p. m., dinner organ recital, Al Carney; 6:40, Grayling's string trio; 6:50, Diamond quartet, Loftis; 9:15, (238m-1260kc), Cinderella cafe orchestra; 9:35, Kitchen Klenzer entertainers; 9:50, popular songs selections; 12, Pat Barnes.
WIBO, Chicago, Ill. (225.4m-1330kc), 6-8 p. m., dinner program, string trio, vocal numbers; Ruth Flick, reader; Helen Collar, pianist; 12, jamboree; Ted Fiorito, pianist; Dan Russo, violinist; Marie Tully, songs; Wayne Myers, monologist; Harold Olson, Jack Goodwin; Tennessee Gingersnaps.
WJAD, Waco, Texas (352.7m-1190kc), 8:30-10 p. m., instrumental program.
WJJD, Mooseheart, Ill. (370.2m-810kc), 8-9 p. m., children; 10-11, Garod studio; Rushmore ensemble singers; Palmer House Victorians; 12:30 a. m., Settin' up hour.
WKRC, Cincinnati, Ohio (422.3m-710kc), 10 p. m., Eugene Peruzzo, organist; 11, Eddie Brigode and his Virginians; 11:45, Marie Turner.
WLIB, Chicago, Ill. (302.8m-990kc), 7:30-8 p. m., WEAF; 11-11:20, Correll and Gosden; 11:20-1 a. m., studio ensemble, dance music, harmony duos.
WLS, Chicago, Ill. (344.6m-870kc), 6:40 p. m., Maurie Sherman's College Inn orchestra; 7:15, College Inn orchestra; 7:20, Charles Bilek, boy violinist; 7:35, Ralph Emerson, organist.
WLW, Cincinnati, Ohio (422.3m-710kc), 1 p. m., opening game—Reds vs. Chicago Cubs, to be announced by Powell Crosley, Jr.; 7:30, piano memories—Mary Louise Woseczek; 8, Crosley Burnt Corkers; 9, Formlea orchestra.
WMAQ, Chicago, Ill. (447.5m-670kc), 6 p. m., Chicago theater organ; 6:30, Hotel LaSalle orchestra; 8:20, Grace and Robert Whitney; 9:55, chimes.
WMBB, Chicago, Ill. (249.9m-1200kc), 7-8 p. m., Trianon ensemble; Genevieve Burnham, coloraturo soprano; semi-classical operatic program; 9-11, Trianon orchestra; Woodlawn theater orchestra; Eugene Poltnik ensemble; Oxford girls, Joe Warner, Eddie Matts and Billie Donovan; popular program.
WMC, Memphis, Tenn. (499.7m-600kc), 11 p. m., Britling's Cafeteria orchestra.
WNAD, Norman, Okla. (254.1m-1180kc), 7:20 p. m., Dorothy Lee Pokowski, vocalist; choral club, quartet;

Jewel Barnet and Freda Leonard, above, called th recent addition to the programs of WGN, Chicago. tions in Denver is Howard Tillotson, left, who direc at KOA. T. J. Vastine, right, is the veteran condu band which is heard every Saturda;

DANCING

Central Time

Saturday, April 10: 8, Wjr, Wnyc, Wpg; 8:30, Wfaa; 8:35, Wgy; 9, Webh, Weei, Wmbb, Wnyc, Wreo; 9:10, Kths, Wip; 9:30, Kths, Wgbs, Wor, Wrc; 10, Kfve, Kfwa, Koa, Kpo, Woaf, Wgn, Wjr, Wkre, Wmca, Wnyc, Wor, Wqj, Wreo, Wtam; 10:05, Wcco; 10:30, Wamd; 10:45, Wls; 11, Klpg, Kfwa, Kfwb, Kpo, Webh, Wfaa, Wgbu, Who, Woc; 11:30, Kfoa; 11:45, Wdaf; 12, Kfwa, Kgo, Kgw, Knx, Wgbu, Wjjd.

Monday, April 12: 8, Wgcp; 9, Weei, Wgbu, Wjar, Wor; 9:15, Wahg; 10, Kths, Wgbu, Wgcp, Wgr, Wnyc, Wpg; 10:15, Wor; 10:30, Kfoa, Wgcp, Whn; 11, Kgw, Koil, Wgbu, Wgcp, Wgr, Whn, Who; 11:45, Wdaf; 12, Knx, Kpo.

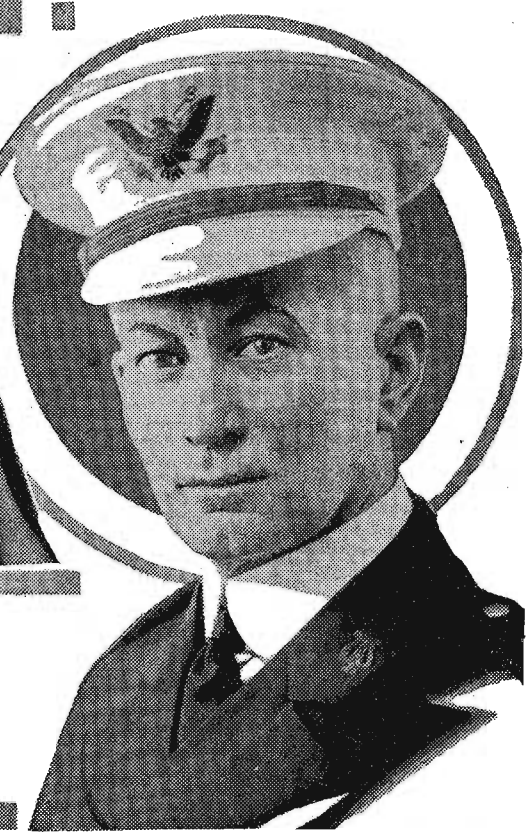
Tuesday, April 13: 9, Webh, Wgbu, Wmbb; 9:30, Weau, Wgbs, Wgy, Wip; 9:35, Wnyc; 10, Kfve, Wbbm, Weaf, Webh, Wgbu, Wgn, Whn, Wmca, Wnyc, Wpg; 10:15, Kths; 10:30, Kths, Whn; 10:45, Wsb; 11, Kgw, Koil, Wgbu, Whn; 11:30, Kfoa; 11:45, Wdaf; 12, Kgw, Khj, Knx, Kpo, Wdaf; 1, Wqj.

Wednesday, April 14: 9, Wcx, Webh, Wgbu, Wgcp, Whn, Who, Wmbb, Wmca, Wtic; 9:15, Wahg; 9:30, Wbap, Who, Wor; 10, Kfve, Wbap, Weaf, Wgbu, Wgcp, Wqj; 10:05, Wcco; 10:30, Wbap, Whn; 11, Koil, Kpo, Wobh, Wgbu, Wgcp, Wgr, Whn; 11:45, Wdaf; 12, Kfwa, Knx, Kpo, Wjjd.

Thursday, April 15: 8, Wjr; 9, Webh, Weei, Wgbu, Whn, Wjr, Wmbb, Wsai, Wtag; 9:05, Wbz, Wip; 9:30, Wgbs, Wgy, Whn; 9:35, Wnyc; 10, Kths, Wbbm, Weaf, Wgbu, Whn, Wmca, Wpg, Wqj; 10:30, Kths, Whn, Webh, Wgbu, Whn, Woc, 11:45, Wdaf; 12, Kgo, Khj, Knx, Kpo, Wjjd.

Friday, April 16: 8, Wwj; 9, Wcx, Webh, Weei, Wgbu, Wgcp, Wmbb; 9:15, Wahg; 9:30, Weau, Whn; 10, Kfve, Kpo, Kths, Wgbu, Wgcp, Whn, Wgr, Wqj.

TS SING "IL PAGLIACCI" AT WBAL



above, called the Humming Birds of the air, are a WGN, Chicago. The leader of four musical organiza- n, left, who directs the Brown Palace string orchestra e veteran conductor of the Westinghouse Employes' rd every Saturday evening at KDKA.

KJR, Seattle, Wash. (384.4m-780kc), 8:30-10 p. m., orchestra.

KMTR, Hollywood, Calif. (238m-1260kc), 6-7 p. m., Starr Piano company studio; 7:45, Hollywood community sing; 8:30-10, KMTR concert orchestra.

KNX, Hollywood, Calif. (336.9m-890kc), 6:30-7 p. m., Atwater Kent orchestra; 7-7:45, program, Geo. E. Read, Inc.; 8-9, program, Globe Ice Cream and Weber Bread; 9-10, program, Western Auto Supply company; 10-12 midnight, Ambassador hotel dance orchestra.

KOWW, Walla Walla, Wash. (256.3m-1170kc), 8-10 p. m., studio program; 10-12, dance program.

KPO, San Francisco, Calif. (428.3m-700kc), 6:30-7 p. m., States restaurant orchestra; 7-7:30, Rudy Seiger's Fairmont hotel orchestra; 8-9, Donner Lake Camp orchestra contest; 9-10, Mona Motor Oil company, trio; Gypsy and Marta, harmony team; 10-11, Palace hotel dance orchestra; 11-12, Henry Halstead's dance orchestra.

KPSN, Pasadena, Calif. (315.6m-950kc), 8-9 p. m., Adolf Tandler instrumental group.

KTAB, Oakland, Calif. (239.9m-250kc), 8-9 p. m., Mills college.

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.
WLS, 12 noon.

Saturday, April 10

Eastern	Central	Mountain	Pacific	
1 p. m.	12 noon	11 a. m.	10 a. m.	KPRC (296.9m-1010kc) Farmers' educational and musical program.
1:45	12:45 p. m.	11:45	10:45	WOI (270m-1110kc) Soils, questions and answers.
8	7	6 p. m.	5 p. m.	KDKA (309.1m-970kc) Farm program.
9:30	8:30	7:30	6:30	KFAU (280.2m-1070kc) Agricultural talk, question box.

Sunday, April 11

Eastern	Central	Mountain	Pacific	
3:30 p. m.	2:30 p. m.	1:30 p. m.	12:30 p. m.	WFAA (475.9m-630kc) Sunday hour for farmers.

Monday, April 12

Eastern	Central	Mountain	Pacific	
12 noon	11 a. m.	10 a. m.	9 a. m.	WRC (468.5m-640kc) Fifty Farm flashes.
1:15 p. m.	12:15 p. m.	11:15	10:15	WOC (483.6m-620kc) "The Backbone Essentials of the Ideal Pasture for Pigs."
				WEAO (293.9m-1020kc) Timely Economic Information for the farmer, C. J. West.
1:45	12:45	11:45	10:45	WOI (270m-1110kc) "Tuberculosis in Livestock."
				WMAQ (447.5m-670kc) Radio farm school.
7	6	5 p. m.	4 p. m.	WGY (379.5m-790kc) Agricultural program.
7:45	6:45	5:45	4:45	WSOE (246m-1220kc) Hog Raising.
8	7	6	5	WOS (440.9m-680kc) Livestock questions and answers.
8:30	7:30	6:30	5:30	KUOA (299.8m-1000kc) Farm Filosofy, Cy Adams. "Soy Beans for Hay." "Influence of Farmers' Week on Scott county." "Making the Water Walk Instead of Run Off."
				WOI (270.1m-1110kc) "Let's Have Somo Strawberries Next Year."
				WMC (499.7m-600kc) Farm talk.
8:45	7:45	6:45	5:45	WCCO (416.4m-720kc) "Alfalfa and Sweet Clover—How Often May Alfalfa Be Cut?"
9:30	8:30	7:30	6:30	KOB (248.6m-860kc) "Broomcorn Growing." "Concrete on the Farm."
				KOAC (280.2m-1070kc) Agricultural question box. "The Price of Dairying in Oregon Agriculture."
10:30	9:30	8:30	7:30	KOAC (280.2m-1070kc) "Clover Mildew."
10:35	9:35	8:35	7:35	KOAC (280.2m-1070kc) "Electricity in Oregon Agriculture." "Future of the Pear Industry."
11:05	10:05	9:05	8:05	KGO (361.2m-830kc) "Marketing Early California Spring Lambs."

Tuesday, April 13

Eastern	Central	Mountain	Pacific	
11:30 a. m.	10:30 a. m.	9:30 a. m.	8:30 a. m.	KFAB (340.7m-880kc) "Poultry Hygiene and Sanitation."
12 n.	11	10	9	WRC (468.5m-640kc) Fifty Farm flashes.
1:15 p. m.	12:15 p. m.	11:15	10:15	WOC (483.6m-620kc) "The Use of Milk in Feeding Poultry."
1:45 p. m.	12:45 p. m.	11:45 a. m.	10:45 a. m.	WMAQ (447.5m-670kc), Radio farm school.
				WOI (270m-1110kc) "Animal Husbandry."
7:10	6:10	5:10 p. m.	4:10 p. m.	WEAO (293.9m-1020kc) "Fruits—How to Spray."
8	7	6	5	KFRU (399.8m-750kc) "Use of Fertilizer on Corn."
8:33	7:33	6:33	5:33	KYW (535.4m-560kc) American Farm Bureau Federation.
9:30	8:30	7:30	6:30	KOA (322.4m-930kc), Farm question box.

Wednesday, April 14

Eastern	Central	Mountain	Pacific	
12 noon	11 a. m.	10 a. m.	9 a.m.	WRC (468.5m-640kc) Fifty farm flashes.
				WOC (483.6m-620kc) "Timothy Hay as a Dairy Seed."
1:30 p. m.	12:30 p. m.	11:30	10:30	WFAA (475.9m-630kc) Sears-Roebuck Agricultural program.
1:45	12:45	11:45	10:45	WMAQ (447.5m-670kc) Radio Farm school.
				WOI (270m-1110kc) Poultry husbandry.
1:50	12:50	11:50	10:50	KFKX (288.3m-1040kc) "A B C'c of Dairying," C. Long.
8	7	6 p. m.	5 p. m.	WOS (440.9m-680kc) Evening market hour, poultry questions and answers.
9:05	8:05	7:05	6:05	KFAB (340.7m-880kc) "Common Tractor Engine Troubles." "The Cottage for the Cow."
10:15	9:15	8:15	7:15	KWSC (348.6m-860kc) "What Kind of Potato Seed Are You Going to Plant?"

Thursday, April 15

Eastern	Central	Mountain	Pacific	
12 noon	11 a. m.	10 a. m.	9 a.m.	WRC (468.5m-640kc) Fifty farm flashes.
1:15 p. m.	12:15 p. m.	11:15	10:15	WOC (483.6m-620kc) "Soy Bean Seeding." "Sweet Clover—Where It Will Grow."
1:45	12:45	11:45	10:45	WMAQ (447.5m-670kc) Radio farm school.
				WOI (270m-1110kc) Farm crops.
				WEAO (293.9m-1020kc) "Flowers—Blubs for Spring Planting."
8:30	7:30	6:30 p. m.	5:30 p. m.	WOI (270m-1110kc) "Pulling Together—Hitches."
8:33	7:33	6:33	5:33	KYW (535.4m-560kc) American Farm bureau.
9:30	8:30	7:30	6:30	KOA (322.4m-930kc) Farm question box.

Friday, April 16

Eastern	Central	Mountain	Pacific	
12 noon	11 a. m.	10 a. m.	9 a.m.	WRC (468.5m-640kc) Fifty Farm Flashes.
1:15 p. m.	12:15 p. m.	11:15	10:15	WOC (483.6m-860kc) Special Farm Service Day.
				KTHS (374.8m-800kc) Farmers' Radio Chautauqua.
1:45	12:45	11:45	10:45	WOI (270m-1110kc) Agricultural Economics.
8	7	6 p. m.	5 p. m.	WOS (440.9m-680kc) Evening Market hour, Dairy questions and answers.
8:15	7:15	6:15	5:15	KFRU (399.8m-750kc) "Selecting Machinery and Power Equipment."
				KSO (242m-1240kc) Farm talk.
8:30	7:30	6:30	5:30	WOC (483.6m-620kc) Question box.
8:45	7:45	6:45	5:45	WCCO (416.4m-720kc) "Landscape Gardening—Planting and Care of Ornamentals."
9:05	8:05	7:05	6:05	WOS (440.9m-680kc) "Corn in Missouri."

DANCING

Central Time

Saturday, April 10: Wjr, Wnyc, Wpg; , Wfaa; 8:35, Wgy; Webh, Weei, Wmbb, yc, Wreo; 9:10, Kths, ; 9:30, Kths, Wgbs, r, Wrc; 10, Kfve, a, Koa, Kpo, Weaf, n, Wjr, Wkrc, Wmca, yc, Wor, Wqj, Wreo, m; 10:05, Weco; 30, Wamd; 10:45, ; 11, Kfpg, Kfwa, b, Kpo, Webh, Wfaa, bu, Who, Woc; 11:30, m; 11:45, Wdaf; 12, a, Kgo, Kgw, Knx, bu, Wjjd.

Monday, April 12: 8, ep; 9, Weei, Wgbu, ar, Wor; 9:15, Wahg; Kths, Wgbu, Wgcp, r, Wnyc, Wpg; 10:15, r; 10:30, Kfoa, Wgcp, n; 11, Kgw, Kofl, bu, Wgcp, Wgr, Whn, o; 11:45, Wdaf; 12, x, Kpo.

Tuesday, April 13: Webh, Wgbu, Wmbb; 0, Wcau, Wgbs, Wgy, p; 9:35, Wnyc; 10, e, Wbbm, Weaf, bh, Wgbu, Wgn, Whn, nca, Wnyc, Wpg; 10:15, as; 10:30, Kths, Whn; 45, Wsb; 11, Kgw, il, Wghu, Whn; 11:30, oa; 11:45, Wdaf; 12, w, Khj, Knx, Kpo, laf; 1, Wqj.

Wednesday, April 14: Wcx, Webh, Wgbu, ep, Whn, Who, Wmbb, mca, Wtic; 9:15, hg; 9:30, Wbap, Who, r; 10, Kfve, Wbap, af, Wgbu, Wgcp, Wqj; :05, Weco; 10:30, bap, Whn; 11, Kofl, o, Wobh, Wgbu, gcp, Wgr, Whn; 11:45, laf; 12, Kfwa, Knx, o, Wjjd.

Thursday, April 15: Wjr; 9, Webh, Weei, gbu, Whn, Wjr, mbb, Wsai, Wtag; 9:05, x, Wip; 9:30, Wgbs, gy, Whn; 9:35, Wnyc; Kths, Wbbm, Weaf, gbu, Whn, Wmca, Wpg, qj; 10:30, Kths, Whn, bbh, Wgbu, Whn, Woc, :45, Wdaf; 12, Kgo, j, Knx, Kpo, Wjjd.

Friday, April 16: 8, vj; 9, Wcx, Webh, sei, Wgbu, Wgcp, mbb; 9:15, Wahg; 9:30, cau, Whn; 10, Kfve, o, Kths, Wgbu, Wgcp, hn, Wgr, Wqj.

WOAI, San Antonio, Texas (394.5m-760kc), 8:30 p. m., Geoghardt Mexican players.

WOAW, Omaha, Nebr. (526m-570kc), 6 p. m., Hugo G. Heyn, xylophonist; 6:50, Ed Myers and his Peony Park orchestra; 10:30, Nightingale orchestra.

WOC, Davenport, Iowa (483.6m-620kc), 7-7:30 p. m., Grand Prize Eurekas, WEAF; 7:30-8, Gold Dust Twins, WEAF; 8-9, Eveready hour, WEAF; 10-11, Heuer's Whizz band dance orchestra.

WOK, Chicago, Ill. (217.3m-1380kc), 10-1:30 a. m., Tearney's Town club orchestra; Pershing Palace orchestra; Capitol theater program; program.

WOOD, Grand Rapids, Mich. (241.8m-1240kc), 9-10 p. m., Ye Old Tyme Songe Feste; 10-12 midnight, Henry Ford Old-Time dance.

WORD, Batavia, Ill. (275.1m-1090kc), 7 p. m., Public Service Company of Northern Illinois.

WQJ, Chicago, Ill. (447.5m-670kc), 7-8 p. m., Ralph Williams and his concert orchestra; Leo Miller, violinist; Lorena Anderson, soprano; 10-1 a. m., Ralph Williams and his Skylarks; Rose Vanderbosch, pianist and soprano; Hal Lansing and his uke; Everett Opie, character reader; popular songs; 1-2, Ginger hour.

WSAI, Cincinnati, Ohio (325.9m-920kc), 7 p. m., WEAF; 7:30, musicale; 8, WEAF; 9, musicale.

WSB, Atlanta, Ga. (428.3m-700kc), 8 p. m., Lyon and King de luxe concert; 10:45, Green Room frolic, Loew's Grand theater.

WSM, Nashville, Tenn. (282.8m-1060kc), 10 p. m., Beasley Smith's orchestra; Edward Stockman, baritone; Jack Egan, Irish tenor.

WSOE, Milwaukee, Wis. (245.8m-1220kc), 8:45 p. m., movie review, Peggy Patton; 9, Milwaukee County Federation of Women's clubs; 10, Leon Grieb, tenor.

Mountain Time Stations

CFAC, Calgary, Can. (435.8m-688kc), 8-9 p. m., Y. M. C. A. concert.

CNRR, Regina, Can. (476m-640kc), 8 p. m., program, Mrs. R. Taylor's concert party.

KFXF, Colorado Springs, Colo. (250m-1200kc), 8:30 p. m., Cleora Wood Schmidt, soprano; Wilhelm Schmidt, pianist.

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

Pacific Time Stations

CNRV, Vancouver, Can. (291.1m-1080kc), 8:30 p. m., Edna Haywood, xylophonist; Dorothy Bridge, soprano, Dorothy Denison, pianist; Richard Stanton, tenor, 10:30, Cabaret Belmont orchestra; Bebe Mullar, soprano.

KFI, Los Angeles, Calif. (467m-642kc), 6:30 p. m., vest pocket program; 6:45, Radiotorial period; 7-7:30, Chinese Gardens orchestra; 7:30-8, Jim, Jack and Jean trio; 8-9, Screen Artists string ensemble; 9-10, popular program; 10-11, Packard Radio club.

KFON, Long Beach, Calif. (232.4m-1280kc), 7-7:30 p. m., studio program; 8-9, Press Telegram studio; 9-11, Long Beach Aero club frolic.

KFWB, Hollywood, Calif. (252m-1190kc), 8-9 p. m., Patrick-Marsh dance orchestra, Betty Patrick, soloist; 9-10, Guzman string trio, Jean Hayden, soprano; 10-11, Bill Hatch's Oakmont Country club orchestra.

KGO, Oakland, Calif. (361.2m-830kc), 6-6:55 p. m., twilight concert; 8-9, Eveready program; Metropolitan male singers; Vladimir Drucker, trumpeter; Louise Polos, pianist; 9:10-9:30, Mrs. A. Ford, mezzo-soprano; Stanford Moses, bass; Lennore Kelthley, soprano; duet; 10-12 midnight, Madson's Midshipmen, dance orchestra.

KGW, Portland, Ore. (491.5m-610kc), 6-7 p. m., dinner concert; 8-10, Alicia McElroy quartet; 10-12, Herman Kenin's dance orchestra.

KHJ, Los Angeles, Calif. (405.2m-740kc), 8-10 p. m., Times de luxe presentation.

Wednesday, April 14

Headliners Today

Eastern	Central	Mountain	Pacific	
8 p. m.	7 p. m.	6 p. m.	5 p. m.	
				WEAO (293.9m-1020kc) Special program.
				WTIC (475.9m-630kc) Clef male quartet.
8:30	7:30	6:30	5:30	
				KDKA (309.1m-970kc) Russian chorus.
				WHAS (399.8m-750kc) Jake Seligman and Kentucky Nightowls.
9:55	8:55	7:55	6:55	
				WMAQ (447.5m-670kc) WMAQ players.
10	9	8	7	
				KTHS (374.8m-800kc) Solo specialties.
				WGR (319m-940kc) Buffalo Choral club.
10:30	9:30	8:30	7:30	
				WOC (483.6m-620kc) "Ten Nights in a Barroom," drama.
11	10	9	8	
				KNX (336.9m-890kc) Joe Daley's comedians.
12 m.	11	10	9	
				WSM (282(8m-1060kc) Beethoven string quartet.

Wednesday, silent night for: CHIC, CKAC, CKNC, CNRA, CNRC, CNRE, CNRM, CNRR, CNRT, CNRV, KFAU, KFXF, KGO, KLDS, KMMJ, KOB, KOIL, KPSN, KSAC, KTAB, KUOA, WABQ, WAIU, WBAL, WBAP, WBBR, WCAL, WCBD, WEBW, WFAA, WGBF, WGBS, WGCP, WHAR, WHAZ, WIP, WJAD, WJAZ, WLWL, WMC, WOAI, WOAW, WOI, WPG, WRC, WRR.

Eastern Time Stations

CFCA, Toronto, Can. (356.9m-840kc), 7 p. m., Salvation Army band concert; 11, Gilbert Watson and his orchestra.

CNRO, Ottawa, Can. (435.8m-688kc), 8 p. m., Chateau Laurier concert orchestra; 9, string quartet; Gladys Ewart, pianist; dance orchestra.

KOKA, Pittsburgh, Pa. (309.1m-970kc), 6:30 p. m., dinner concert; 8:30, Russian chorus, Russian music.

WADC, Akron, Ohio (258.5m-1160kc), 6:30 p. m., dinner concert, Carnes Richards Hotel Portage quintet.

WAHG, Richmond Hill, N. Y. (315.6m-950kc), 7:40 p. m., studio program; 8:15, Raymond Maher, baritone; 8:45, Louis Caton, tenor; Richard Delmunzio, violinist; 9:20, Old-Fashioned quartet; 10:02, Elspeth Brownell, pianist; Frank Jasper, baritone.

WBZ, Springfield, Mass. (333.1m-900kc), 6:45 p. m., Hotel Kimball; 6:45, Hotel Lenox ensemble; 8, "The Holyoke Hour"; 9, WBZ concert company.

WCAE, Pittsburgh, Pa. (461.3m-650kc), 6:30 p. m., dinner concert, William Penn hotel; 8, WEAF; 8:30, WEAF; 9, studio concert; 10, Kramer's orchestra.

WCAP, Washington, D. C. (468.5m-640kc), 7-11 p. m., matters before the house; U. S. Navy band; WEAF.

WCAU, Philadelphia, Pa. (277.6m-1080kc), 7:30 p. m., N. Snellenburg recital; 8, medical talk; 8:10, Jeff Kane's musical adventures; 8:30, Rapport and McCullough, banjoists; 9, recital; 10:30, Carl Zoehrns and Lou Herscher, songs; 10:45, Frank Cook, old-time songs; 11, Artie Bittong and his Cheer-up club.

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

WEAF, New York, N. Y. (491.5m-610kc), 4 p. m.,-12 midnight, Ray Nichols' Recording orchestra; Antonio Lanasa, tenor; Vincent Lopez and his orchestra; Shinola Merrymakers; Davis saxophone octet; Ipana Troubadours; Hughie Barrett and his orchestra.

WEAO, Columbus, Ohio (293.9m-1020kc), 8 p. m., special program, dedicating WEAO New Transmitting station.

WEBJ, New York, N. Y. (272.6m-1100kc), 8 p. m., Peter Pan society orchestra, direction Sam Wolff, 8:45, Benjamin Jarmus, tenor; 9, Richard Franklin, concert pianist; 9:15, John Von Aspe, tenor; 9:30, Ed Holgers, Hedin orchestra.

WEEI, Boston, Mass. (348.6m-860kc), 7:45 p. m., "Poetry Workshop of Mt. Holyoke"; 8-10, WEAF.

WFI, Philadelphia, Pa. (394.5m-760kc), 6:30 p. m., Bellevue Stratford concert orchestra; 7, Bellevue Stratford dance orchestra.

WGBS, New York, N. Y. (315.6m-950kc), 6 p. m., Uncle Geebee; 6:30, Jersey Collegians; 7, inspirational half-hour.

WGCP, New York, N. Y. (252m-1190kc), 7-8:30 p. m., studio program.

WGHB, Clearwater, Fla. (265.3m-1130kc), 6:30-7:30 p. m., dinner music; 8:30-9:30, E. H. Krug, baritone; W. Craig, concert soprano; 11:45-1 a. m., midnight ramble, Graham Prince and his orchestra.

WGHP, Detroit, Mich. (270.1m-1110kc), 6 p. m., dinner concert, Hotel Fuller orchestra; Anne Patterson, mezzo-soprano; 8, Little Symphony orchestra; male quartet; Madame Gizi Szanto, pianist; Jean Courtois, violinist; Marius Fossenkemper, clarinetist; 12-1 a. m., Gerald Marks and his orchestra.

WGR, Buffalo, N. Y. (319m-940kc), 6:30 p. m., Century orchestra; 8, WEAF; 10, Buffalo choral club; 10:30, W. L. MacRae and associate artists; 11, Yankee Six orchestra.

WGY, Schenectady, N. Y. (379.5m-790kc), 7 p. m., Eastman theater, WHAM; 8:05, WHAM.

WHN, New York, N. Y. (361.2m-830kc), 7:30 p. m., Lexington organ recital; 8, Vogue entertainers; 9, Loew's New York orchestra; 9:30, Daven entertainers; 10, Roseland dance orchestra; 10:30, Anatol Friedland; 11, Silver Slipper orchestra; 12, Cotton club orchestra.

WIP, Philadelphia, Pa. (508.2m-590kc), 6:05 p. m., Benjamin Franklin hotel concert orchestra.

WJZ, New York, N. Y. (454.3m-660kc), 7 p. m., Markel's orchestra; 8:30, Lewisohn free chamber music concert; 10:45, George Olsen's Hotel Pennsylvania orchestra.

WLIT, Philadelphia, Pa. (394.5m-760kc), 7:30 p. m., Dream Daddy's bedtime stories; 8, Arcadia cafe concert orchestra; 9, P. R. T. band and orchestra; 10, Arcadia cafe dance orchestra.

WLWL, New York, N. Y. (288.3m-1040kc), 9:15 p. m., Carr's musicale; 9:45, McEvoy's concert; 10:15, entertainers.

WMAK, Buffalo, N. Y. (265.3m-1130kc), 7:30-8 p. m., musical, Harry Jackson, tenor; 8-8:30, George Hurst, violinist; Mrs. Dorothy Sexsmith, pianist; 8:30-9:30, musicale; 9:30-10, song recital, Mrs. Gertrude Zimmerman.

WMCA, New York, N. Y. (340.7m-880kc), 6 p. m., Olcott Vail and his Hotel McAlpin string ensemble; 6:30, Ernie Golden and his Hotel McAlpin orchestra; 8:30, Fourth Annual Food Show; 9, Mamaroneck night; 10:30, Creole Follies; 11, Hofbrau Haus entertainers; 11:30, Jack Denny's orchestra; 12, McAlpin entertainers.

WNYC, New York, N. Y. (526m-570kc), 6:20 p. m., piano selections; 7:35, concert program; 9, violin recital; 9:30, piano selections; 9:45, Cantor Sol Fuchs, baritone.

WOO, Philadelphia, Pa. (508.2m-590kc), 7:30 p. m., Sylvania dinner dance orchestra; 8, WEAF; 10, Fox theater studio program; 10:30, Sylvania dance orchestra.

WRVA, Richmond, Va. (256.3m-1170kc), 8:10 p. m., Smithers Hawaiian players; 8:30, Virginians; 9:15, Augusta Military academy orchestra; 10:15, Ernest H. Cosby, organist.

WTAG, Worcester, Mass. (267.7m-1120kc), 8-8:30 p. m., WEAF; 8:30-9, WEAF; 9-10, Assumption college musical clubs; 10-11, WEAF.

WTIC, Hartford, Conn. (475.9m-630kc), 6:30 p. m., Hotel Bond trio; 8, joint recital, Clef male quartet, Arcadia ladies' quartet; 9:15, piano recital, Laura Gaudet; 9:30, organ recital, Esther Nelson.

WWJ, Detroit, Mich. (352.7m-850kc), 6 p. m., dinner concert; 8, News orchestra; 9, dance program; 10, WEAF.

Central Time Stations

CNRW, Winnipeg, Can. (384.4m-780kc), 7:50 p. m., Irvin A. Plumm and his Fort Garry hotel orchestra; 8:50, Knox Crescent church choir; 10, Supper dance club.

KFAB, Lincoln, Nebr. (340.7m-880kc), 5:30-6:30 p. m., dinner concert; 8:30-10:30, Little symphony orchestra; Harriett Cruise; Cowbell Boys; Ed Ellingson, Original songbird; Harmony boys, vocal and piano numbers.

KFRU, Columbia, Mo. (399.8m-750kc), 9-11 p. m., musical program.

KMA, Shenandoah, Ia. (252m-1190kc), 9-11 p. m., clog dancing; Willy Cunningham.

KMOX, St. Louis, Mo. (280.2m-1070kc), 6 p. m., Arthur L. Utt, organist; 6:30, Mrs. Jacques Landree, organist; 7, Missouri theater; debate; 8, Gordon Morrison, guitarists; Helen Brady, soprano; 9, song cycle, 10, dance music.

KPRC, Houston, Texas (296.9m-1010kc), 6:30 p. m., Harold Oxley's Warwick hotel concert orchestra; 7:30, C. Sowerby, basso; 7:45, Jack Willrich's orchestra, Virginia Willrich, piano-accordionist; 8:30, Frank Tilton, boy pianist; 11, Vaughan's Virginians dance orchestra.

KSD, St. Louis, Mo. (545.1m-550kc), 7 p. m., WEAF, 7:30, Hotel Statler orchestra; 8, WEAF.

KTHS, Hot Springs National Park, Ark. (374.8m-750kc), 9-9:45 p. m., KTHS staff artists; 9:45-10:30, Southerners; 10:30-11, Hot Springs Harmony Twins.

KYW, Chicago, Ill. (535.4m-560kc), 6-6:15 p. m., KDKA; 7:30, half hour of music; 8, Sherwood School of Music; 10-12, revue.

WAMD, Minneapolis, Minn. (243.8m-1230kc), 7:10 p. m., classical program; 11, frolic.

WBAP, Ft. Worth, Texas (475.9m-630kc), 6-6:30 p. m., dinner concert.

WBBM, Chicago, Ill. (225.4m-1330kc), 8-10 p. m., Barber Shop quartet; Billy Spears, tourist bureau; 9-9:15, old song period; Philip Nilles, tenor; Floyd Falch; 12-2, Alemite orchestra; Harold Anderson, accordionist; Sy Berg, Bob Witt.

WCCO, Minneapolis-St. Paul, Minn. (416.4m-720kc), 7 p. m., WEAF; 8, WEAF; 9, Nash-Finch concert orchestra; 10:05, Marigold Garden dance orchestra; 11:30, organ recital, Eddie Dunstedter.

WDAF, Kansas City, Mo. (365.6m-820kc), 6-7 p. m., School of the Air; Trianon ensemble; 8-9, WDAF players; 9-10, classical program, Star's orchestra; vocal pupils of Franklyn Hunt; 11:45-1 a. m., Nighthawk frolic.

WEBH, Chicago, Ill. (370.2m-810kc), 7 p. m., Oriole orchestra; 8, Oriole string trio; 9-9:15, news flashes; 9:15-10, Frank Bordner, songs; Florence Behrend, soprano; 11-12:30 a. m., Oriole orchestra; Florence Behrend; impromptu review; Bernice Follis; Oriole orchestra.

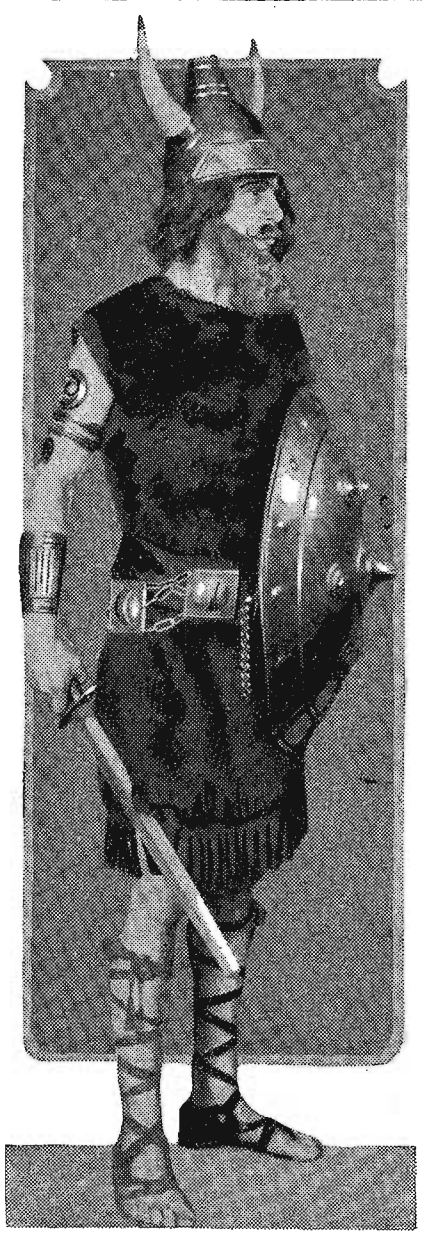
WEMC, Berrien Springs, Mich. (285.5m-1050kc), 8:15 p. m., Lighthouse Music Makers; Eleanor McClanahan, pianist; Ellis Maas, baritone; Jeanette Richardson, soprano.

WGN, Chicago, Ill. (302.8m-990kc), 6:30-6:45 p. m., Drake concert ensemble, Blackstone string quintet; 6:45, old-time favorites; 6:55-7, "The Million Sing"; 9-10, studio program; 10:10, Sam 'n' Henry; 10:10-10:20, old-time favorites; 10:20, play shop; 10:40-11, studio ensemble.

WHAS, Louisville, Ky. (399.8m-750kc), 7:30-9 p. m., Jake Seligman and his Kentucky Night Owls.

WHB, Kansas City, Mo. (365.6m-820kc), 7-8 p. m., Milo Finley trio; banjo mandolin duet; vocal quartet; Jerry DeLooze, Nellie DeLooze, Fannie Baldwin and Georgia Blum; John Blum, pianist.

ANN PENNINGTON TO FACE WOR MIKE



Like the sturdy Norsemen of old, The Vikings are conquering the air over the WEAF chain. Aage Sorenson, above, wearing a costume similar to those worn by the old time Vikings, is a soloist of the group.

Wednesday, April 14

WHO, Des Moines, Iowa (526m-570kc), 6-7 p. m., Bankers Life Little symphonic orchestra; 7:15-8:15, Irene Dorans Little symphony; 8:15-9, Arthur Frey, banjoist; Kate Miller, whistler; Harry Lewis, popular songster; Norman Broholm, pianist; 9-12 midnight, dance program.

WHT, Chicago, Ill. (399.8m-750kc), 6 p. m., Peter Porstner; Helen Rauh, pianist; 7:45-9:15, Cinderella cafe orchestra; 9:30, Al Carney and Pat Barnes; 10:05, Ray-O-Vac concert; 11:15, Cinderella cafe orchestra, 11:30, Pat Barnes and Al Carney; 12, Pat Barnes and Al Carney.

WIBO, Chicago, Ill. (225.4m-1330kc), 6-8 p. m., dinner concert, string trio; Charles Champlin, baritone; Christopher Hendra, tenor; Earl Bigelow, pianist; 10-12, popular program, Marie Tully, songster; Wayne Myers, reader; Melody Strummers; Tommy Smith, songster; Melody three; Vic Fredericks.

WJJD, Mooseheart, Ill. (370.2m-810kc), 8-9 p. m., Mooseheart children; 10-11, Isabel Defaut, Simeon Oliver, Palmer House Victorians; 12:30 a. m., Settin' up hour.

WKRC, Cincinnati, Ohio (422.3m-710kc), 6 p. m., Hotel Alms orchestra; 8:15, Winnie Pippin, soprano; Oliver Plunkett, tenor; 9, instrumental quintet; 12 midnight, Wesley Helvey and his orchestra.

WLIB, Chicago, Ill. (302.8m-990kc), 7:30-7:40 p. m., Auld Sandy; 7:40-8, musical program; 8-9, WEAF; 11-11:20, Correll and Gosden; 11:20-1 a. m., studio ensemble, dance music, harmony duos.

WLS, Chicago, Ill. (344.6m-870kc), 6:40 p. m., College Inn orchestra; 7:30, Ralph Emerson, organist; 8, Northwestern R. R. band; 9, WLS trio; 9:30, St. Mark's M. E. church choir; 10:15, Blackfriars; 11-1, circus.

WLW, Cincinnati, Ohio (422.3m-710kc), 7 p. m., dinner hour, Hotel Bibson; 10, dance music, Castle Farm; 10:30, Crosley male quartet; 11, Maids of Melody; 11:15, organ recital, Johanna Grosse.

WMAQ, Chicago, Ill. (447.5m-670kc), 6 p. m., Chicago theater organ; 6:30, Hotel LaSalle orchestra; 8:25, Hyde Park high school girls' glee club; 8:55, WMAQ players.

WMBB, Chicago, Ill. (249.9m-1200kc), 7-8 p. m., Trianon duo, Eleanor Kaplan, violinist; Preston Graves, pianist; Edwin House, bass-baritone; 9-11, Trianon orchestra, Woodlawn theater orchestra; Cecil and Esther Ward, Hawaiian guitarists; Eddie Wallace, tenor; Scotty Welch and Madison Sisters, Tracy and Duncan; popular program.

WNAD, Norman, Okla. (254.1m-1180kc), 7:40 p. m., Lois Mozley, pianist; Hettie Maloy, vocalist; Edna Whitlock, pianist; 9, WNAD miniature symphony.

WOAI, San Antonio, Texas (394.5m-760kc), 8:30 p. m., Army night.

WOC, Davenport, Iowa (483.6m-620kc), 7-7:30 p. m., WEAF; 9, Earl Ferris Nursery trio; 9:30, "Ten Nights in a Barroom," WOC players.

WOK, Chicago, Ill. (217.3m-1380kc), 10 p. m.,-1:30 a. m., Tearney's Town club orchestra; Pershing Palace orchestra; Capitol theater program; program.

WOOD, Grand Rapids, Mich. (241.8m-1240kc), 9-10 p. m., Willard Battery hour; 10-12 midnight, Regent Roof orchestra; Ruth Glaser, Pearl Knudson, Sid Goldman.

WORD, Batavia, Ill. (275.1m-1090kc), 7 p. m., North Shore Line; 9, Webster hotel concert trio; I. B. S. A. choral singers.

WOS, Jefferson City, Mo. (440.9m-680kc), 8:15 p. m., program, Bowling Green, Mo.

WQJ, Chicago, Ill. (447.5m-670kc), 7-8 p. m., Ralph Williams and his concert orchestra; Otis Jester, soprano; Mary House, concert pianist; Kenneth Sterling, pianist; 10-1 a. m., Ralph Williams and Skylarks; Melodians; Oxford Girls, Gall Bandell and artists; 1-2, Ginger hour.

WSAI, Cincinnati, Ohio (325.9m-920kc), 7-9 p. m., WEAF; C. Conservatory of Music; 10:15, Congress Playing Card string quartet.

WSB, Atlanta, Ga. (428.3m-700kc), 10:45 p. m., Biltmore hotel orchestra.

WSBT, South Bend, Ind. (275.1m-1090kc), 7:15 p. m., orchestra, concert.

WSM, Nashville, Tenn. (282.8m-1060kc), 6:30 p. m., Francis Craig's orchestra; 8, Mrs. T. E. Miles, contralto; 10, Vanderbilt university; 11, Beethoven string quartet.

WSOE, Milwaukee, Wis. (245.8m-1220kc), 10:30 p. m., Hollywood symphony orchestra.

Mountain Time Stations

KFWA, Ogden, Utah (260.7m-1150kc), 9-10 p. m., Olie Reeves and his orchestra; 10-11, Paramount theater; 11-12, Olie Reeves and his orchestra.

KOA, Denver, Colo. (322.4m-930kc), 8 p. m., Scheuerman's Colorado orchestra; 8:15, Public Service company of Colorado; KOA orchestra; Denver concert quartet; 10, Broadmoor Rhythm Rustlers.

Pacific Time Stations

KFI, Los Angeles, Calif. (467m-642kc), 6:30 p. m., vest pocket program; 6:45, Radiotorial period; 7-7:30, Grehe Synchrophase string ensemble; 8-9, program, Ventura Refining company; 9-10, program, Chevrolet Motor company of California; 10-11, popular program.

KFON, Long Beach, Calif. (232.4m-1280kc), 7-8 p. m., program; 8-9, Press-Telegram studio; 9-10, Prizma hour; 10-11, Oriole dance orchestra from Torrance.

KFWB, Hollywood, Calif. (252m-1190kc), 8-9 p. m., Sphinx orchestra, Lilyan May Challenger, contralto; 9-9:30, Bill Hatch's Oakmont country club orchestra; 9:30-10, Mutual Motors mirth contest; 10-11, Warner Brothers frolic.

KGO, Oakland, Calif. (361.2m-830kc), 6-6:55 p. m., Brokaw and his orchestra.

KGW, Portland, Ore. (491.5m-610kc), 6-7 p. m., dinner concert; 8-9, Seventh United States Infantry band; 9-10, instrumental music; 10-11, Sherman Clay and company.

KHJ, Los Angeles, Calif. (405.2m-740kc), 7-7:30 p. m., Huntington Park Union high school orchestra and glee club; 8-10, Times de luxe studio program.

KJR, Seattle, Wash. (384.4m-780kc), 7-8:30 p. m., Sears, Roebuck company program; Bab's lady orchestra; 8:30-10, Post Intelligencer studio program.

KLX, Oakland, Calif. (508.2m-590kc), 6:30-7 p. m., Athens Athletic Club orchestra; 9-10, KLX master ensemble.

KMTR, Hollywood, Calif. (238m-1260kc), 6-7 p. m., Radio Press Agent; 8-10, KMTR concert orchestra; Dan Gridley, tenor; 10-11, Starr Piano company studio.

KNX, Hollywood, Calif. (336.9m-890kc), 6:30-7 p. m., Atwater Kent orchestra; 7-8, program, Dellarowe Drug company; 8-9, program, Security Trust and Savings bank; 9-11, Joe Daley's Comedians; 11-12, Ambassador hotel dance orchestra.

KOWW, Walla Walla, Wash. (256.3m-1170kc), 8-10 p. m., Violet Reser Hughes; 10-12, dance music.

KPO, San Francisco, Calif. (428.3m-700kc), 6:30-7 p. m., States restaurant orchestra; 7-7:30, Rudy Seiger's Fairmont hotel orchestra; 8-9, Atwater Kent artists; 9-10, Goodrich Silvertown Cord orchestra; 10-11, States restaurant orchestra; 11-12, Henry Halstead's orchestra.

KTAB, Oakland, Calif. (239.9m-250kc), 8-10 p. m., Western States Life Insurance company.

KWSC, Pullman, Wash. (348.6m-860kc), 7:15-9 p. m., Lewiston Venetian trio, solos and ensemble; Mrs. Blanche Addington, pianist; Rich Whitman, violinist; Frank Durbin, flutist.

Thursday, April 15

Headliners Today

Eastern	Central	Mountain	Pacific
8 p. m.	7 p. m.	6 p. m.	5 p. m.

WTIC (475.9m-630kc) Annual spring concert.

8:30	7:30	6:30	5:30

KDKA (309.1m-970kc) Russian chorus.

Eastern	Central	Mountain	Pacific
9 p. m.	8 p. m.	7 p. m.	6 p. m.

WSB (428.3m-700kc) Georgia Booster program.

9:45	8:45	7:45	6:45

WFI (277.6m-1080kc) Comedy lesson.

11	10	9	8

KGO (361.2m-830kc) Treble Cleff society.
KGW (491.5m-610kc) Vaudeville.
KPO (428.3m-700kc) Harmony team.

11:30	10:30	9:30	8:30

KTHS (374.8m-800kc) Special request hour.

12 m.	11	10	9

KGO (361.2m-830kc) Two one-act plays, "Pure Moonshine," and "A Resourceful Wife."
KNX (336.9m-890kc) Wisecrackers club.
KPO (428.3m-700kc) Swiss band.
WMCA (340.7m-880kc) Broadway night.

1:15 a. m.	12:15 a. m.	11:15	10:15

WLW (422.3m-710kc) Night Howls.

Thursday, silent night for: CHIC, CKNC, CNRA, CNRE, CNRO, CNRR, CNRT, CNRV, CNRW, KFAB, KFAU, KFMX, KFOA, KFUO, KFWA, KLX, KMOX, KOA, KOAC, KOB, KSAC, KWSC, PWX, WABQ, WAFD, WAHG, WAIU, WCAP, WCEE, WOOD, WEAO, WEBJ, WEBW, WEMC, WGBF, WHAD, WHAZ, WJJD, WMAK, WMAZ, WOOD, WOR, WOS, WSM, WSUI, WTAM.

Eastern Time Stations

CKAC, Montreal, Can. (410.7m-730kc), 8:30 p. m., Canadian National Railways program; 11:15, classical request organ music, Buddy Payne.

CNRM, Montreal, Can. (410.7m-730kc), 8:30 p. m., Gilbert and Sullivan opera night.

KDKA, Pittsburgh, Pa. (309.1m-970kc), 6:30 p. m., dinner concert; 8:15, farm program; 8:30, with famous composers, Little Symphony orchestra; 9, Geneva college program; Alta Shultz, contralto; George Kirk, baritone; Gerald McElhany, pianist; Andrew Calhoon, violinist; Beatrice Carl Sohn, reader; Keith Hammond, reader; 11, concert.

WADC, Akron, Ohio (258.5m-1160kc), 6:30 p. m., dinner concert, Carnes Richards Hotel Portage quintet; 9:30, studio program; 10, Goodrich Silvertown Cord orchestra.

WBAL, Baltimore, Md. (245.8m-1220kc), 6:30-7:30 p. m., dinner concert; 7:30-8, Frederick D. Weaver, organist; 8-10, Elna Proffen, soprano; Bess Perry, contralto; Morris Cromer, baritone; Joyce Barber, pianist; Hendrik Essers, violinist; Michael Richter, flutist.

WBBR, New York, N. Y. (272.6m-1100kc), 8 p. m., Ruth de Boer and Elvira Kiefer, vocalists; Malcolm Carment, clarinetist.

WBZ, Springfield, Mass. (333.1m-900kc), 6:45 p. m., Hotel Lenox ensemble; 7:30, Sidney H. Kohn, baritone; 8, Leo Reisman's orchestra; 9, Mrs. Marguerite Boyce, soprano; Arthur Ballance, baritone; 9:30, Arthur Clifton, organist.

WCAE, Pittsburgh, Pa. (461.3m-650kc), 6:30 p. m., dinner concert, William Penn hotel; 8, WEAF; 8:30, WEAF; 9, WEAF; 10, WEAF.

WCAU, Philadelphia, Pa. (277.6m-1080kc), 6:30 p. m., Billy Hays and his orchestra; 7:30, Snellenburg symphony orchestra; 8, recital; 8:15, Eight Bright Boys; 8:45, The Kandy Kids; 9, Barry O'Moore, Irish tenor; 9:30, The Musical Chefs; 9:45, comedy lesson, Professor Doolittle; 10, Sesqui-centennial hour; 11, Ralph Jackson and his Blue Grass orchestra; 11:30, Club Madrid review.

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

WEAF, New York, N. Y. (491.5m-610kc), 4 p. m.-12 midnight, Pauline Haggard, pianist; Eddie Stanger, baritone; Vincent Lopez and his orchestra; Hire's Harvesters, Clicquot Club Eskimos, Silvertown Cord orchestra, Vincent Lopez and his orchestra.

WEAO, Columbus, Ohio (293.9m-1020kc), 8:15 p. m., orchestra concert; 8:30, Marjorie Rosemond, soprano.

WEEI, Boston, Mass. (348.6m-860kc), 7:30 p. m., Rickenbacker's Old Homestead; 8-10, WEAF.

WFI, Philadelphia, Pa. (394.5m-760kc), 6:30 p. m., Bellevue Stratford concert orchestra; 7, Bellevue Stratford dance orchestra; 8, WEAF; 11, Bellevue Stratford dance orchestra.

WGBS, New York, N. Y. (315.6m-950kc), 6 p. m., Uncle Geebee; 6:30, Mal Hallet's orchestra; 10:30, orchestra.

WGHB, Clearwater, Fla. (265.3m-1130kc), 6:30-7:30 p. m., Belleair estates; 8:30-10, diversified program; 11:45-1 a. m., ramble, orchestra.

WGHP, Detroit, Mich. (270.1m-1110kc), 6 p. m., dinner concert, Hotel Fuller orchestra; Charles Hutton, baritone; 10, WGHP Frolickers; Heck and Mack; Gladys Luber; Gladys Sanderson and her uke; Mr. and Mrs. Eddie McGrath; 11, Skylark dance band; 12-1 a. m., Gerald Marks and his orchestra.

WGR, Buffalo, N. Y. (319m-940kc), 6:30 p. m., Vincent Lopez Hotel Statler dance orchestra; 8, WEAF; Harry Horlick's dance orchestra.

WGY, Schenectady, N. Y. (379.5m-790kc), 6:30 p. m., Ten Eyck trio; 7:45, Syracuse university, WFBL, WHAM; 9, WJZ; 10, Marion Brewer, soprano; Helen Cook, reader; Rice string quartet; 11:30, Stephen E. Boisclair, organist.

WHAR, Atlantic City, N. J. (275.1m-1090kc), 8 p. m., Seaside hotel trio; 11, Follies Bergere dance orchestra.

WHN, New York, N. Y. (361.2m-830kc), 7 p. m., Iceland orchestra; 8, Will Oakland's Chateau; 8:30, Al Herman's entertainment bureau; 9:30, Loew's Eighty-third Street orchestra; 10:30, Leroy Smith's orchestra; 11, Joe Ward's Swanee entertainers; 11:30, Everglades orchestra.

WIP, Philadelphia, Pa. (508.2m-590kc), 6:05 p. m., Benjamin Franklin hotel concert orchestra; 7, Marion Deemer, pianist; Mabel Murray, saxophonist; Miriam Miller, mandolinist; 8:15, banquet of salesmanship class, South Philadelphia high school; 10:05, Nelson Maples and his S.S. Leviathan orchestra.

WJZ, New York, N. Y. (454.3m-660kc), 7 p. m., Hotel Vanderbilt orchestra; 8, United States Army band, WRC; 8:30, "The Desert Healer," picture; 9, Royal Salon orchestra; 10, Record Boys; 10:30, Freddie Rich and his Hotel Astor Orangine orchestra.

WLWL, New York, N. Y. (288.3m-1040kc), 8:30 p. m., McEnery's entertainers; 9:30, entertainment; 10:15, entertainment.

WMAK, Buffalo, N. Y. (265.3m-1130kc), 6:15-7:15 p. m., dinner music.

WMCA, New York, N. Y. (340.7m-880kc), 6 p. m., Olcott Vail and his Hotel McAlpin string ensemble; 6:30, Parody orchestra; 7, Twin Oaks orchestra; 8:30, Fourth Annual Food Show; 9, Nathan Straus serenaders; 10:30, Tango orchestra; 11, Ernie Golden and his Hotel McAlpin orchestra; 12, Broadway night.

WNYC, New York, N. Y. (526m-570kc), 7:10 p. m., songs; 8, Max Kalfus, tenor; 8:30, violin selections; 9, piano recital; 9:30, Original Black Diamond orchestra.

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

WPG, Atlantic City, N. J. (299.8m-1000kc), 7 p. m., Hotel Morton dinner music; 7:30, Elks' home; 8, concert, students, Ethel Dobson; 9, Hotel Ambassador concert orchestra; 10, Hotel Traymore Grill dance orchestra; 10:45, Katz and his Kittens; 11, Silver Slipper Supper club.

WRC, Washington, D. C. (468.5m-640kc), 7 p. m., New Willard hotel orchestra; 8:05, WJZ; 8:20, WJZ; 9, WJZ; 10, WJZ; 10:45, Meyer Davis' Le Paradis band.

WRVA, Richmond, Va. (256.3m-1170kc), 8:10 p. m., Y. W. C. A. orchestra; 9:40, Edgeworth male quartet.

WTAG, Worcester, Mass. (267.7m-1120kc), 8-11 p. m., WEAF.

WTIC, Hartford, Conn. (475.9m-630kc), 6:50 p. m., Hotel Bond trio; 8, annual spring concert, Travelers choral club, symphonic ensemble.

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

Central Time Stations

KFKU, Lawrence, Kan. (275.1m-1090kc), 7:15 p. m., H. C. Taylor, pianist; Marjorie Evans, soprano.

KFRU, Columbia, Mo. (399.8m-750kc), 6:15 p. m., dinner music.

KLDS, Independence, Mo. (440.9m-680kc), 8 p. m., program, Kansas City Junior college.

KMA, Shenandoah, Ia. (252m-1190kc), 9-11 p. m., Delmonica Dreamers' dance orchestra.

KOIL, Council Bluffs, Iowa (277.6m-1080kc), 6:30 p. m., Art Marr's Imperial dance orchestra; 7:30, Lions club; 11, Hotsy Totsy hour.

KPRC, Houston, Tex. (296.9m-1010kc), 7:30 p. m., Blanchard's dance orchestra; 8:30, Margaret Parkington, contralto; 9, Southern Pacific Lines band.

KSD, St. Louis, Mo. (545.1m-550kc), 7 p. m., Harry Horich's orchestra; 7:30, Esmeralda Mayes, pianist; 8-10, WEAF.

KTHS, Hot Springs National Park, Ark. (374.8m-750kc), 9-9:40 p. m., heart songs; 9:40-10:30, New Arlington hotel orchestra; 10:30-11:30, Eastman hotel orchestra.

KUOA, Fayetteville, Ark. (299.8m-1000kc), 8 p. m., Lorraine Allen, pianist.

KYW, Chicago, Ill. (535.4m-560kc), 6-6:15 p. m., KDKA; 8:20-9, Congress hotel; 9, musicale; 10-12, revue.

WAMD, Minneapolis, Minn. (243.8m-1230kc), 11:30 p. m., Clifford Perry, organist.

WBAP, Ft. Worth, Texas (475.9m-630kc), 6-6:30 p. m., dinner concert; 7:30-8:30, Davis Baking Powder company saxophone octet; 9:30-11, Cross Plains Chamber of Commerce band; 11, "A Step On the Stairs," third episode.

WBBM, Chicago, Ill. (225.4m-1330kc), 8-12 midnight, Matched unit quartet; Ariston trio; 9-9:15, song period; Two Jays; Maurice Silverman.

WCBD, Zion, Ill. (344.6m-870kc), 8 p. m., brass quartet, Preparatory chorus, duets, double trios; P. B. and Carl Newcomer, duets; John Thomas, baritone; Mrs. Smith, reader.

WCCO, Minneapolis-St. Paul, Minn. (416.4m-720kc), 7 p. m., WEAF; 7:30, Northern Pacific program; 8, WEAF; 9, WEAF.

WDAF, Kansas City, Mo. (365.6m-820kc), 6-7 p. m., School of the Air; Trianon ensemble; 11:45-1 a. m., Nighthawk frolic; Ted Weems' Victor Recording orchestra; Billy Adair's orchestra; Johnnie Campbell's orchestra.

WEBH, Chicago, Ill. (370.2m-810kc), 7-8 p. m., J. Henry Welton, tenor; Hannah Braverman; 9-9:15, news; 9:15-10, Ruth Buhl Flick; Rita McFawn; 11-12:30 a. m., Oriole orchestra; Ruth Buhl Flick, reader; Rita McFawn, Mary Bieber, Billy Tracy, Sonny Duncan; Oriole string trio.

WFAA, Dallas, Tex. (475.9m-630kc), 6:30-7:30 p. m., Jimmy's Joys; 8:30-9:30, choral club, Plana.

WGN, Chicago, Ill. (302.8m-990kc), 6:30-6:45 p. m., Drake concert ensemble, Blackstone string quintet; 6:45, old-time favorites; 6:55-7, "The Million Sing"; 8-10, WEAF; 10, Sam 'n' Henry; 10:10, old-time favorites; 10:20, play shop; 10:40-11, studio ensemble.

WGST, Atlanta, Ga. (270.1m-1110ko), 7-8 p. m., Washington Seminary Glee club.

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

WHB, Kansas City, Mo. (365.6m-820kc), 7-7:45 p. m., dinner hour organ music; 8-9, American Legion band; 9-10, ukulele songsters, Harry Taylor and Sam Martin; Mrs. H. Taylor, pianist.

WHO, Des Moines, Iowa (526m-570kc), 7:30-8 p. m., Raleigh quintet; 8-9, Bankers Life trio; 11-12, Bankers Life Corn Sugar orchestra.

WHT, Chicago, Ill. (399.8m-750kc), 6 p. m., dinner organ recital, Al Carney; 6:30, Hugh Aspinwall, tenor; Grayling's string trio; 6:45, Swedish program; 9:15, Cinderella cafe orchestra; 9:30, Kitchen Klassics; 10:10, U. S. L. entertainers; male quartet; 11:30, Pat Barnes and Al Carney; 12, Pat Barnes and Al Carney.

WIBO, Chicago, Ill. (225.4m-1330kc), 6-8 p. m., dinner concert, string trio; Chester Newman, baritone; Helen Snyder, soprano; Swedish program; 12, jamboree, Ted Fiorito, pianist; Dan Russo, violinist; songs, Marie Tully; Wayne Myers, reader; Rita McFawn, Mary Bieber; artists.

WJAD, Waco, Texas (352.7m-1190kc), 8:30-10 p. m., program, Mrs. J. E. Osborne, director.

WJJD, Mooseheart, Ill. (370.2m-810kc), 5:30-7 p. m., Jack Nelson; Palmer House symphonic players; Howard L. Peterson, organist; Palmer House Victorians; 8-9, children; 10-11, Palmer House Victorians; 12:30 a. m., frolic.

WKRC, Cincinnati, Ohio (422.3m-710kc), 10 p. m., Ace Brigode and his Fourteen Virginians; 11, song revue; 11:15, Ace Brigode and his Virginians.

WLIB, Chicago, Ill. (302.8m-990kc), 6:30-6:45 p. m., WEAF; 11-11:20, Correll and Gosden; 11:20-1 a. m., studio ensemble, dance music, harmony duos.

WLS, Chicago, Ill. (344.6m-870kc), 6:40 p. m., College Inn orchestra; 7:30, Ralph Emerson, organist.

WLW, Cincinnati, Ohio (422.3m-710kc), 6:15 p. m., musical handshakes, Bob Groenke, Jim Mischler; 7, dinner concert, Hotel Gibson; 10:03, Doherty Melody Boys; 10:40, Ray Sullivan, popular songs; 11, Cliff Lang, composing pianist; 11:30, dance music, Castle Farm; 12:15 a. m., Night Howls.

GENERAL TALKS AND SPEECHES

Saturday, April 10

Eastern	Central	Mountain	Pacific
7:25 p. m.	6:25 p. m.	5:25 p. m.	4:25 p. m.

WRC (468.5m-640kc) "The Work of Congress."

8	7	6	5

WPG (299.8m-1000kc) "Competitive Swimming," Harold Furlong.

9	8	7	6

WCCO (416.4m-720kc) "Fireside Philosophies," Rev. Roy L. Smith.

9:30	8:30	7:30	6:30

WMAQ (447.5m-670kc) Photologue.

12 m.	11	10	9

KPO (428.3m-700kc) "The Responsibility of the People," L. F. Ryington.

Monday, April 12

Eastern	Central	Mountain	Pacific
7 p. m.	6 p. m.	5 p. m.	4 p. m.

WDAF (365.6m-820kc) Address, Edgar A. Linton.
WBAL (245.8m-1220kc), Talk, William J. Casey.
WRVA (256.3m-1170kc) "Virginia Folk Lore," Dr. Douglas Freeman.

10	9	8	7

KGW (491.5m-610kc) "Australia," Sir James Elder.

10:30	9:30	8:30	7:30

KFXF (250m-1200kc) "Come with Me Into Colorado's Mountain Sunshine," Gilbert McClurg.

11:25	10:25	9:25	8:25

KGO (361.2m-830kc) "Chats About New Books," Joseph Henry Jackson.

11:50	10:50	9:50	8:50

KGO (361.2m-830kc) "Our Citizenship Program," Mrs. G. F. West; "The Cultural Background of our Japanese Girls," Donna May Lewis.

Tuesday, April 13

Eastern	Central	Mountain	Pacific
7:30 p. m.	6:30 p. m.	5:30 p. m.	4:30 p. m.

WHAR (275.1m-1090kc) "Glimpses Through the Stage Door," Mort Eiseman.

7:45	6:45	5:45	4:45

WTAG (267.7m-1120kc) "Back to Methuselah in Worcester Industries," Prof. A. L. Smith.

8	7	6	5

WGBS (315.6m-950kc) Talk, Prof. John Erskine.

8:10	7:10	6:10	5:10

WIP (508.2m-590kc) "Mother's Day," Anna Jarvis.

9	8	7	6

WMAQ (447.5m-670kc) Book talk, Harry Hansen.
WMC (499.7m-600kc) Lecture, William Allen White.
WRC (468.5m-640kc) Washington's Political situation, Frederic W. Wile.

10:30	9:30	8:30	7:30

WCCO (416.4m-720kc) "Outdoors in Minnesota."

Wednesday, April 14

Eastern	Central	Mountain	Pacific
7:45 p. m.	6:45 p. m.	5:45 p. m.	4:45 p. m.

CNRO (435m-680kc) "The Great Northern Plains," G. H. Blauchet.

8:15	7:15	6:15	5:15

WJZ (454.3m-660kc) Zoological society series.

8:45	7:45	6:45	5:45

WAHG (315.6m-950kc) "Trout Fishing," Miles J. Flynn.

10:30	9:30	8:30	7:30

KWSC (348.6m-860kc) Book review, Alice Lindsay Webb.

Thursday, April 15

Eastern	Central	Mountain	Pacific
7:30 p. m.	6:30 p. m.	5:30 p. m.	4:30 p. m.

WGY (379.5m-790kc) WGY book chat, William F. Jacob.
WHAR (275.1m-1090kc) Historical facts, Harry H. Haeberly, Jr.
WMAK (265.3m-1130kc) "Shade Trees," Charles Bley.

8	7	6	5

WHB (365.6m-820kc) Aviation talk, Harry Wimer.

8:15	7:15	6:15	5:15

WSAI (325.9m-920kc) Art talk.

9	8	7	6

WEAO (293.9m-1020kc) "Bulbs for Spring Planting," Prof. A. C. Hottes.

10	9	8	7

KMTR (238m-1260kc) "Color Photography," Charles W. Beam.
WRC (468.5m-640kc) Political situation, Frederic W. Wile.

Friday, April 16

Eastern	Central	Mountain	Pacific
7 p. m.	6 p. m.	5 p. m.	4 p. m.

WOAW (526m-570kc) Music review, Hester Bronson Copper.

8	7	6	5

WLIT (394.5m-760kc) "The Mile Stones in the Career of a Singer," Henry Hotz.

8:30	7:30	6:30	5:30

WCAL (336.9m-890kc) Book talk, Dr. George Weida Spohn.

9	8	7	6

WOS (440.9m-680kc) "Condition of Missouri Roads," C. I. Steele.

9:20	8:20	7:20	6:20

KFWB (252m-1190kc) Hunting and Fishing, Jack Boaz.

10:30	9:30	8:30	7:30

KHJ (405.2m-740kc) "Romance of Santa Fe Trail," Gladys De Witt.

FRIEDA HEMPEL OVER WEAF CHAIN

Thursday, April 15

WMAQ, Chicago, Ill. (447.5m-670kc), 6 p. m., Chicago theater organ; 6:30, Dana college choir; 9:55, chimes.
WMBB, Chicago, Ill. (249.9m-1200kc), 7-8 p. m., Trianon ensemble; Swedish program; 9-11, Trianon orchestra; Woodlawn theater orchestra; ensemble; Bob Duffy, Bob Smith, Andy Anderson, Ted Graham, Bob Bennett, popular program.
WMC, Memphis, Tenn. (499.7m-600kc), 8:30 p. m., David Graham Withers.
WOAI, San Antonio, Tex. (394.5m-760kc), 8:30 p. m., Mistletoe Melody Maids.
WOAW, Omaha, Nebr. (526m-570kc), 6 p. m., Dorothy Chenoweth Lowden, harpist; 6:20, Manna Kea trio; 6:50, Hotel Fontenelle orchestra; 9, program.
WOC, Davenport, Iowa (483.6m-620kc), 7-7:30 p. m., WEAF; 7:30-8, Moline Plowboys; 8-9, WEAF; 9-10, WEAF; 11-12, LeClaire hotel orchestra; Peter MacArthur, baritone.
WOI, Ames, Ia. (270.1m-1110kc), 7:50 p. m., Musical clubs, Iowa Falls high school.
WOK, Chicago, Ill. (217.3m-1380kc), 10-1:30 a. m., Tearney's Town club orchestra; Midway Garden orchestra; Capitol theater program; program.
WORD, Batavia, Ill. (275.1m-1090kc), 8 p. m., Webster hotel concert trio; 8:35, Cosmopolitan School of Music.
WQJ, Chicago, Ill. (447.5m-670kc), 7-8 p. m., Ralph Williams and his concert orchestra; Florence Cane, soprano; Jean St. Anne, baritone; Christian Grimm, pianist; Henrietta Nolan, violinist; 10-1 a. m., Ralph Williams and Skylarks; Rose Vanderbosch, soprano and pianist; Hal Lansing and his uke; 1-2, Ginger hour.
WSAI, Cincinnati, Ohio (325.9m-920kc), 8-10 p. m., WEAF.
WSB, Atlanta, Ga. (428.3m-700kc), 8 p. m., Georgia Booster program; 10:45, Charles A. Sheldon, organist.
WSOE, Milwaukee, Wis. (245.8m-1220kc), 8 p. m., Bible conference; 9, Polish musicale, Polish opera club.

Mountain Time Stations

CFAC, Calgary, Can. (435.8m-688kc), 9-11 p. m., Canadian National Railways program, orchestra.
CNRC, Calgary, Can. (435.8m-688kc), 9 p. m., C. N. R. orchestra.
KFXF, Colorado Springs, Colo. (250m-1200kc), 8:30 p. m., Bernard Vesey, tenor; Mrs. W. W. Price, pianist; Mary Fry Miller, concert company.
KOA, Denver, Colo. (322.4m-930kc), 6:30 p. m., Brown Palace string orchestra.

Pacific Time Stations

KFI, Los Angeles, Calif. (467m-642kc), 6:30 p. m., vest pocket program; 6:45, Radiotorial period; 7-8, program, students, University of Southern California; 8-9, classic hour; 9-10, program, Chickering hall; 10-11, popular song program.
KFON, Long Beach, Calif. (232.4m-1280kc), 7:30-9 p. m., Long Beach municipal band; 9-10, studio program; 10-11, Lake's club orchestra; 11-12, State theater organ.
KFWB, Hollywood, Calif. (252m-1190kc), 8-9 p. m., program, Phillips and Hambaugh, featuring Frazier Mountain Park orchestra, Sol Hoopii's Hawaiians; 9-10, program, C. H. Davidson Investment company, featuring Los Serranos Country club orchestra; 10-11, Warner Brothers' frolic.
KGO, Oakland, Calif. (361.2m-830kc), 8 p. m., Treble Cleff society, vocal selections; Arion trio; two one-act plays: "Pure Moonshine," "A Resourceful Wife"; 10-12:30 a. m., Brokaw and his dance orchestra.
KGW, Portland, Ore. (491.5m-610kc), 6-7 p. m., dinner concert; 8-10, vaudeville program.
KHJ, Los Angeles, Calif. (405.2m-740kc), 8-10 p. m., Times special presentation.
KJR, Seattle, Wash. (384.4m-780kc), 7-8:30 p. m., Eureka mixed quartet; 8:30-10, Puget Sound Savings and Loan association orchestra; 10-10:30, Benjamin Franklin Electric company program; 10:30-12, Post Intelligencer's "Keep Joy Radiating Order of Bats."
KMTR, Hollywood, Calif. (238m-1260kc), 6-7 p. m., Starr Piano company studio; 8-10, KMTR concert orchestra.
KNX, Hollywood, Calif. (336.9m-890kc), 6:30-7 p. m., Atwater Kent orchestra; 7-8, program, H. L. Crockett company; 8-9, program, Willys-Overland dealers; 9-10, The Wisecrackers club, with Duke and Count; 10-11, dance music; 11-12, Ambassador hotel dance orchestra.
KOWW, Walla Walla, Wash. (256.3m-1170kc), 8-10 p. m., McDonald School of Music; 11-11:30, organ concert.
KPO, San Francisco, Calif. (428.3m-700kc), 6:30-7 p. m., States restaurant orchestra; 7-7:30, Rudy Seiger's Fairmont hotel orchestra; 8-9, Gypsy and Marta, harmony team; 9-10, Swiss band; 10-11, Cabiria cafe dance orchestra; 11-12, Henry Halstead's orchestra.
KPSN, Pasadena, Calif. (315.6m-950kc), 8-9 p. m., Pasadena Chamber of Commerce.
KTAB, Oakland, Calif. (239.9m-250kc), 8-10 p. m., program.

Friday, April 16

Headliners Today

Eastern	Central	Mountain	Pacific
8 p. m.	7 p. m.	6 p. m.	5 p. m.

WQJ (447.5m-670kc) Special concert hour.
WTIC (475.9m-630kc) Symphonic ensemble.

8:15	7:15	6:15	5:15

WGY (379.5m-790kc) "A Step On the Stairs," mystery serial.

8:30	7:30	6:30	5:30

KDKA (309.1m-970kc) Chamber music.
KSD (545.1m-550kc) Commerce hour.
WGY (379.5m-790kc) "The New Way," comedy.
WOC (483.6m-620kc) Swiss Yodelers.

9	8	7	6

CNRT (356.9m-840kc) Heather Opera company.
KMOX (280.2m-1070kc) Music Lovers' hour.

9:30	8:30	7:30	6:30

WBZ (333.1m-900kc) Goldosi trio.
WMAQ (447.5-670kc) Black Friars, play.

10	9	8	7

WBAL (245.8m-1220kc) "Il Pagliacci" opera.
KTHS (374.8m-800kc) Opera and Light Opera hits.
WLIT (394.5m-760kc) Morning Glory club.

11:45	10:45	9:45	8:45

WSB (428.3m-700kc) Negro spirituals.

11:30	10:30	9:30	8:30

WOC (483.6m-620kc) "A Step On the Stairs," drama.

Friday, silent night for: CFAC, CHIC, CKAC, CKNC, CKY, CNRC, CNRM, CNRO, CNRR, CNRW, KFAU, KFWA, KFXF, KLDS, KPRC, KPSN, KSAC, KUOA, KUOM, PWX, WBBR, WCAD, WCBD, WEAO, WEBW, WGBS, WGST, WHAZ, WIP, WJAZ, WKRC, WLW, WLWL, WMAK, WNAD, WRC, WREO, WRVA, WSAI, WSMB, WSUI, WTAM.

Eastern Time Stations

CNRA, Moncton, Can. (312.4m-960kc), 8 p. m., program, Stephen McGillivray, director; 10, CNRA orchestra.
CNRT, Toronto, Can. (356.9m-840kc), 6:30 p. m., Luigi Romanellis and his King Edward hotel concert orchestra; 9, Heather opera company; 11, King Edward hotel dance orchestra.
KDKA, Pittsburgh, Pa. (309.1m-970kc), 6:30 p. m., dinner concert; 8:30, chamber music.
WABQ, Haverford, Pa. (261m-1150kc), 11 p. m., Horace Hustler, organist.
WADC, Akron, Ohio (258.5m-1160kc), 6:30 p. m., dinner concert, Carnes Richards Hotel Portage quintet; 8, studio program; 10, India Owls.
WAHG, Richmond Hill, N. Y. (315.6m-950kc), 8 p. m., organ recital; 9, Marie Nicholson, soprano; Philipp A. Frey, tenor; Jean Lemaire, pianist; 10:02, Gondoliers; 10:30, Southland dance orchestra.
WBAL, Baltimore, Md. (245.8m-1220kc), 6:30-7:30 p. m., dinner concert; 7:30-8, male quartet; 8-9, Jubilee singers; 9-10, WBAL trio; John Wilbourn, tenor; 10-11, WBAL opera company.
WBZ, Springfield, Mass. (333.1m-900kc), 6:30 p. m., dinner music; 7, Hotel Lenox ensemble; 8, Edward J. McKnelly and his orchestra; 8:30, Russell Cook's orchestra; 9:30, Goldosi trio.
WCAE, Pittsburgh, Pa. (461.3m-650kc), 6:30 p. m., dinner concert, William Penn hotel; 8, studio program; 9:30, WEAF; 10:30, WEAF.
WCAP, Washington, D. C. (468.5m-640kc), 6 p. m.-12:30 a. m., Mozart string quintet; WEAF.
WCAU, Philadelphia, Pa. (277.6m-1080kc), 6:30 p. m., Clarence Seaman and his Pennsylvania orchestra; 7:30, Snellenburg instrumental trio; 8, recital; 8:30, The Singing Groundhog; 8:45, The Bryan Girl; 9, The Regina Crooners; 9:15, Dwight Strickland, "the poetician"; 9:30, The Sea Gulls; 10, Archie Lloyd, songs; 10:30, Jack Myers' dance orchestra.
WCX, Detroit, Mich. (516.9m-580kc), 6-7 p. m., Goldkette ensemble; 9-10, Jean Goldkette's Breeze Blowers.
WEAF, New York, N. Y. (491.5m-610kc), 4 p. m.-12 midnight, Kenneth Casey, popular singer; Marion Schott, Muriel Pollock, pianists; Dorothy Dellano Rumage, soprano; Vincent Lopez and his orchestra; Michaels Markel's dance orchestra; Etta Kabram, pianist; Happiness Boys; Eagle Neutrodyne trio; Vikings; Whittall Anglo-Persians; Ben Bernie and his orchestra.
WEBJ, New York, N. Y. (272.6m-1100kc), 7 p. m., Blenheim theater ensemble; 7:45, Walter W. Schullstrom, tenor; 8, Joseph M. Bocco, tenor; Arthur Levey, guitar; 8:15, Lucille Hegamin, contralto; J. Cyril Fullerton, pianist; 8:30, Al Ciccones, Harlem Tea Garden orchestra.
WEEI, Boston, Mass. (348.6m-860kc), 7:30 p. m., Whiting Milk company program; 8:30, Neapolitan Ice Cream company; 9, musicale; 9:30, Carter's Incas; 10, WEAF.
WFI, Philadelphia, Pa. (394.5m-760kc), 6:30 p. m., Bellevue Stratford concert orchestra; 7, Bellevue Stratford dance orchestra.
WGBS, New York, N. Y. (315.6m-950kc), 6 p. m., Uncle Geebee; 6:30, Anzell's orchestra.
WGHB, Clearwater, Fla. (265.3m-1130kc), 6:30-7:30 p. m., dinner music; 8:30-10:30, diversified program; 11:30-1 a. m., midnight ramble, Graham Prince and his orchestra.
WGHP, Detroit, Mich. (270.1m-1110kc), 6 p. m., dinner concert, Hotel Fuller orchestra; Rhea Clancy, soprano; 10, WGHP entertainers; 11, Skylark dance band; saxophone quartet; William Kerr, baritone; Lucile Burke, soprano; 12-1 a. m., Gerald Marks and his orchestra.
WGR, Buffalo, N. Y. (319m-940kc), 6:30 p. m., Lester Erlenbach's K. of C. concert orchestra; 7:30, WEAF; 8, Audubon Terrace Meadow Larks; 8:30, Gertrude Hutchinson program; 9, Winger's Crescent Park entertainers; 9:30, WEAF; 11, Vincent Lopez Hotel Statler dance orchestra; John F. Gunderman, Jr., organist.
WGY, Schenectady, N. Y. (379.5m-790kc), 7 p. m., Eastman theater orchestra, WHAM, WFBL; 8:15, "A Step On the Stairs"; 8:30, "The New Way," WGY players; 10:30, WGY orchestra; Christine Neilson, soprano; Stephen St. John, banjoist.
WHAR, Atlantic City, N. J. (275.1m-1090kc), 8 p. m., Seaside hotel trio.
WHN, New York, N. Y. (361.2m-830kc), 7 p. m., Harry Richman and his entertainers; 9, Alan Stone's orchestra; 9:30, Loew's Lexington orchestra; 10, Roseland dance orchestra; 10:30, Anatol Friedland; 11:30, Bill Gleason and his entertainers; 12, Silver Slipper orchestra.
WIP, Philadelphia, Pa. (508.2m-590kc), 6:05 p. m., Benjamin Franklin hotel concert orchestra; 7, songs, Harrison Eastwood.
WJZ, New York, N. Y. (454.3m-660kc), 7:15 p. m., Hotel Commodore concert orchestra; 8, Sundial Shoe serenaders; 8:30, Bonnie Laddies; 9, United States Army night, band; 10:30, Hotel Lorraine grill orchestra.
WLIT, Philadelphia, Pa. (394.5m-760kc), 8:10 p. m., Arcadia cafe concert orchestra; 10, Morning Glory club concert; Arcadia cafe dance orchestra; 10:30, Rufus and Rastus; 11, continuation of Morning Glory club.
WMAK, Buffalo, N. Y. (265.3m-1130kc), 7:30-9 p. m., musical; 9-10, musical program.
WMCA, New York, N. Y. (340.7m-880kc), 6 p. m., Olcott Vail and his Hotel McAlpin string ensemble; 6:30, Ernie Golden and his Hotel McAlpin orchestra; 7:30, Sachs' Musical Monarchs; 8, Fourth Annual Food Show; 9, Hardman hour of music; 11, Hofbrau Haus entertainers; 11:30, Jack Denny's orchestra; 12, McAlpin entertainers; 12:15 a. m., Van and Schenck; 12:30, Parody orchestra.
WNYC, New York, N. Y. (526m-570kc), 6:20 p. m., piano selections; 8, vocal concert program; 9, Rudolph Joskowitz, violinist; 9:30, Josef Wohlmann, pianist; 10:15, song recital.
WOO, Philadelphia, Pa. (508.2m-590kc), 8 p. m., recital; 9, WEAF; 10:30, Ritz-Carlton dance orchestra.
WPG, Atlantic City, N. J. (299.8m-1000kc), 6:45 p. m., Arthur Scott Brooks, organist; 7, Hotel Traymore dinner music; 8:15, Indian Avenue school children; 8:30, Katz and his Kittens; 9, banquet, National American Wholesale Lumber association; 10, James' Salt Water Taffy Boys' dance orchestra; 11, Jean Wiener, organist.
WRVA, Richmond, Va. (256.3m-1170kc), 8:20 p. m., Masonic musicale society; 8:45, Eugene Turner, pianist; Paul Saunier, violinist; Louis Morales, pianist; 10, Hotel Richmond Winter Garden orchestra.
WTAG, Worcester, Mass. (267.7m-1120kc), 8:15 p. m., Piedmont church choir; 10-10:30, WEAF.
WTIC, Hartford, Conn. (475.9m-630kc), 6:30 p. m., Hub trio; 8, United States Coast Guard band concert; 9, Little Symphony mandolin orchestra; 10:30, studio program; 11, Emil Heimberger's Hotel Bond dance orchestra.
WWJ, Detroit, Mich. (352.7m-850kc), 8 p. m., Detroit News orchestra; C. T. S. and his gang; 9:30, WEAF; 10:30, dance program.

Central Time Stations

KFAB, Lincoln, Nebr. (340.7m-880kc), 5:30-6:30 p. m., dinner concert; 8:30-10:30, Auburn, Nebr., program.
KFRU, Columbia, Mo. (399.8m-750kc), 6:15 p. m., dinner music; 12-2 a. m., musical program.
KMA, Shenandoah, Ia. (252m-1190kc), 9-11 p. m., musicale.
KMOX, St. Louis, Mo. (280.2m-1070kc), 6 p. m., Arthur L. Utt, organist; 6:30, Mrs. Jacques Landree, organist; 7, Hausman Brothers banjo artists' duo; 8, music lovers' hour; 9, Gordon Morrison, guitarist; 10, dance.
KOIL, Council Bluffs, Iowa (277.6m-1080kc), 6:35 p. m., Fontenelle orchestra; 7:30, Clare Perkins Canterbury, soprano; Helen Sprague Cogley, mezzo-soprano; Helen Jacobs, pianist; 8:30, Dresher Brothers' entertainers; 11, Hotsy Totsy hour.
KSD, St. Louis, Mo. (545.1m-550kc), 7 p. m., Union Avenue Christian Sunday school quartet; 7:30, Joseph Faerber, violinist; 8-11, WEAF; 11, Carthage college glee club.
KTHS, Hot Springs National Park, Ark. (374.8m-750kc), 9-9:45 p. m., operas, New Arlington hotel ensemble; 9:45-10:30, Valley Mills male quartet.
KYW, Chicago, Ill. (535.4m-560kc), 6-6:15 p. m., KDKA; 6:30-7, Congress hotel; 9-10, Edison studio; 10-12, Federal Masters artists.
WAMD, Minneapolis, Minn. (243.8m-1230kc), 7:10 p. m., school hour; Hamilton School music; 11, frolic.
WBAP, Ft. Worth, Texas (475.9m-630kc), 6-6:30 p. m., dinner concert; 7:30-8:30, Will Foster, organist; 9:30-11, classical program; 11-12, Panther Hawaiian trio.
WBBM, Chicago, Ill. (225.4m-1330kc), 8-10 p. m., Two Jays, Corinne Jordan; Alemite orchestra.
WCCO, Minneapolis-St. Paul, Minn. (416.4m-720kc), 6:15 p. m., Dick Long's Nankin cafe orchestra; 10:05, Dick Long's Nankin cafe dance orchestra.
WDAF, Kansas City, Mo. (365.6m-820kc), 6-7 p. m., School of the Air; 8-9:30, glee club, Kansas State Teachers' college; 11:45-1 a. m., Nighthawk frolic; Ted Weems' Victor Recording orchestra; Billy Adair's orchestra; Ted Meyn, organist.
WEBH, Chicago, Ill. (370.2m-810kc), 7-8 p. m., Oriole orchestra; Pauline Sachs, soprano; Eleanor Kaplan, violinist; 9-9:15, news; 9:15-10, Jack Sieberg, pianist; Jack Simons; 11-12:30 a. m., Oriole orchestra.
WEMC, Berrien Springs, Mich. (285.5m-1050kc), 9 p. m., Ed Scram and artists; 10:05, old-time Gospel songs.
WFAA, Dallas, Tex. (475.9m-630kc), 6:30-7:30 p. m., Hawaiian music; 8:30-9:30, George T. Cobb.
WGBF, Evansville, Ind. (236.1m-1270kc), 7 p. m., musical program; 8, Evansville college hour; 11, D. N. Hunting club.
WGN, Chicago, Ill. (302.8m-990kc), 6:30-6:45 p. m., Drake concert ensemble, Blackstone string quintet; 6:45, old-time favorites; 6:55-7, the Million sing; 8-8:30, WEAF; 8:30-9, quartet; 9-9:30, WEAF; 9:30-10, studio program; 10, Sam 'n' Henry; 10:10, old-time favorites; 10:20, the Play Shop; 10:45-11, studio ensemble.
WHAS, Louisville, Ky. (399.8m-750kc), 7:30-9 p. m., glee club concert; Mrs. S. Hunt, soprano.
WHB, Kansas City, Mo. (365.6m-820kc), 7-8 p. m., popular musical numbers, Sweeney orchestra.
WHO, Des Moines, Iowa (526m-570kc), 7:30-9 p. m., Messrs. Piersol and Kaushaar, tuneful teachers; Gertrude Nourse, pianist; Myrtle Williams, soprano; 11-12, Philbreck and his orchestra.
WHT, Chicago, Ill. (399.8m-750kc), 6 p. m., classical program; dinner organ recital, Al Carney; Grayling's string trio; Helen Rauh, pianist; Charles Hussey, basso; 6:50, Ray-O-Vac concert; 9:15, Cinderella Cafe orchestra; 9:30, Sunbeam Girls; 12, Pat Barnes and Al Carney.
WIBO, Chicago, Ill. (225.4m-1330kc), 6-8 p. m., dinner concert; string trio; Joe North, baritone; Mary Thrash House, pianist; Elsie Orr, soprano; 10-2 a. m. popular program; Ted Fiorito, pianist; Dan Russo, violinist; the Jordans; Melody strummers, Tony Corcoran, Ed Diller.
WJAD, Waco, Texas (352.7m-1190kc), 8:30-11 p. m., R. B. Moorman, choral club.
WJJD, Mooseheart, Ill. (370.2m-810kc), 8-9 p. m., children's hour; 10-11, feature hour; Senator Harold C. Kessinger; Palmer House Victorians; Jean St. Anne; 12:30 a. m., frolic.
WLIB, Chicago, Ill. (302.8m-990kc), 7:30-8 p. m., musical program; 11-11:20, Correll and Gosden; 11:20-1 a. m., ensemble, dance music, harmony duos.
WLS, Chicago, Ill. (344.6m-870kc), 6:40 p. m., College Inn orchestra; 7:30, Singa Alpha Iota sorority; 9, Laura Butts, contralto; Pearl Appel, pianist; 9:30, Wheaton college glee club; 10-11, Hotel Sherman.
WMAQ, Chicago, Ill. (447.5m-670kc), 6 p. m., organ; 8:30, Black Friars play; 9:55, chimes.
WMBB, Chicago, Ill. (249.9m-1200kc), 7-8 p. m., Trianon duo, Vella Cook, contralto; Rosalind Wallache, violinist; Hart and McCready, harmony duo; Arvid Anderson, Frank Bordner, semi-classical home-songs program; 9-11, Trianon orchestra; Woodlawn theater orchestra; male trio; Joe Warner, Norman Hart, Scotty Welch and Madison Sisters; popular program.
WMC, Memphis, Tenn. (499.7m-600kc), 8:30 p. m., Mrs. O. Mischler; 11, Harry O. Nichols, organist.
WOAI, San Antonio, Tex. (394.5m-760kc), 8:30 p. m., college night.
WOAW, Omaha, Nebr. (526m-570kc), 6:20, Francis Potter's banjo orchestra; 6:50, Gilbert Jaffy, violinist; Nat Young, pianist; 9, M. C. Peters Mill company; 10:30, Nightingale orchestra.
WCC, Davenport, Iowa (483.6m-620kc), 7:30-9 p. m., Swiss Yodelers; orchestra; 9-9:30, WEAF; 10:30, "A Step On the Stairs."
WOK, Chicago, Ill. (217.3m-1380kc), 10-1:30 a. m., Tearney's Town club orchestra; Pershing Palace orchestra; Capitol theater program; program.
WOOD, Grand Rapids, Mich. (241.8m-1240kc), 9:15-11, Melissa Dvorak, pianist; Mrs. Carl Tyndall, contralto; H. P. Vaughn, baritone; Regent little symphony.
WORD, Batavia, Ill. (275.1m-1090kc), 7 p. m., North Shore Line; 9, studio program.
WOS, Jefferson City, Mo. (440.9m-680kc), 8:20 p. m., program, Eldon High School; Nelle Harrawood, reader.
WQJ, Chicago, Ill. (447.5m-670kc), 7-8 p. m., Ralph Williams and concert orchestra; Resurrection quartet; special concert hour; 10-1 a. m., Ralph Williams and Skylarks; Dr. Lucille Long, harmonica player; Clark's Hawaiian trio; artists; 1-2, Ginger hour.
WSB, Atlanta, Ga. (428.3m-700kc), 8 p. m., concert; 10:45, Big Bethel choir, Negro spiritual.
WSBT, South Bend, Ind. (275.1m-1090kc), 7:15 p. m., orchestra, concert.
WSM, Nashville, Tenn. (282.8m-1060kc), 6:30 p. m., Francis Craig's orchestra; 8, Mrs. Louis Sperry, soprano; Mrs. Frank Russum, pianist; 10, Fisk university faculty.

Atwater Kent Program, April 11, over WEAF and Chain*

FRIEDA HEMPEL

Assisted by ERNO BALOGH, pianist; LOUIS P. FRITZE, flutist

I.

(a) Oh! Had I Jubal's Lyre ..... Handel
(b) Ave Maria ..... Schubert
(c) On Wings of Song ..... Mendelssohn
(d) A Joyous Easter Hymn ..... 17th Century

II.

Piano solo: Scherzo in B flat Minor ..... Chopin

Mr. Balogh

III.

(a) "Shadow Song" from DINORAH ..... Meyerbeer (with flute obbligato)
(b) The Last Rose of Summer ..... Flotow
(c) The Cuckoo Clock ..... Old French
(d) Lauterbach ..... Old German
(e) Blue Danube Waltz ..... Strauss

*The WEAF chain for the Atwater Kent hour (9:15 p. m. Eastern time, 8:15 p. m. Central time) includes WEAF, WFI, WGR, WCAE, WCAP, WJAR, WTAG, WGN, KSD, WCCO, WOC, WSAI, WEAR, WEEI.

Frieda Hempel, soprano, is the Sunday headliner over the WEAF chain. She will be assisted by Erno Balogh, pianist, and Louis P. Fritze, flutist.

WSOE, Milwaukee, Wis. (245.8m-1220kc), 9 p. m., Croatian Tamburica orchestra.

Mountain Time Stations

CFAC, Calgary, Can. (435.8m-688kc), 7-8 p. m., Salon broadcast.
CNRE, Edmonton, Can. (516.9m-580kc), 8:30-10:30 p. m., Mrs. Ethel Norbury and concert party.
KFWA, Ogden, Utah (260.7m-1150kc), 9-10 p. m., male chorus.
KFXF, Colorado Springs, Colo. (250m-1200kc), 8:30 p. m., Russ Kemp's Hammond Cottage City dance orchestra.
KOA, Denver, Colo. (322.4m-930kc), 6:30 p. m., Brown Palace string orchestra; 8, Scheuerman's orchestra; 8:15, Rocky Mountain News, Denver Times; Florence MacKay, pianist; Helen Ruusey Robinson, reader; KOA orchestra; Charles South, violinist; Blanche Branch, soprano; KOA orchestra; Helen R. Robinson, reader.
KOB, State College, N. M. (348.6m-860kc), Recital, Mrs. L. A. Broaddus, director.

Pacific Time Stations

CNRV, Vancouver, Can. (291.1m-1080kc), 8:30 p. m., British Columbia musical festival; 10:30, Cabaret Belmont orchestra.
KFI, Los Angeles, Calif. (467m-642kc), 6:45 p. m., Radiotorial period; 7-8, dance music; 8-9, Aeolian organ recital; 9-10, popular program with Mutual mirth contest; 10-11, Packard ballad hour featuring popular songs.
KFON, Long Beach, Calif. (232.4m-1280kc), 7-8 p. m., program, Dalton and Hoagland company; 8-9, Press-Telegram studio; 9-10, studio program; 10-12, Long Beach Elks Lodge No. 888 frolic.
KFWB, Hollywood, Calif. (252m-1190kc), 8-9 p. m., program, John Wright; 9-10, Len Nash and his original Country Boys; 10-11, Warner Brothers frolic.
KGO, Oakland, Calif. (361.2m-830kc), 6-6:55 p. m., Brokaw and his orchestra.
KGW, Portland, Ore. (491.5m-610kc), 6-7 p. m., dinner concert; 8-9, vocal and instrumental music; 9-10:30, Sherman Clay and company; 10:30-12, Hoot Owls.
KHJ, Los Angeles, Calif. (405.2m-740kc), 8-10 p. m., De luxe studio program.
KJR, Seattle, Wash. (384.4m-780kc), 7-8:30 p. m., old-time songs, Lundquist-Lilly male quartet; 8:30-10, Post Intelligencer studio program.
KLX, Oakland, Calif. (508.2m-590kc), 8-9:45 p. m., Pen Honor company; 9:45-10:30, Athens Athletic club orchestra.
KMTR, Hollywood, Calif. (238.m-1260kc), 6-7 p. m., Radio Press Agent; 8-10, orchestra; Neil Russell, baritone; 10-11, Starr Piano company studio.
KNX, Hollywood, Calif. (336.9m-890kc), 6:30-7, Atwater Kent orchestra; 7-8, studio program; 8-9, program, Jell-X-Cell company, Charlie Melson and his Playboys; 9-10, Order of Optimistic Donuts; 10-11, Fights, Hollywood Legion stadium; 11-12, Ambassador hotel dance orchestra.
KOWW, Walla Walla, Wash. (256.3m-1170kc), 8-10 p. m., Loyal Order of Moose; 10-12, dance music.
KPO, San Francisco, Calif. (428.3m-700kc), 6:30-7 p. m., States restaurant orchestra; 8-9, Jonathan club program; 9-10, Palace hotel dance orchestra; 10-11, States restaurant orchestra; 11-12, Henry Halstead's orchestra.
KTAB, Oakland, Calif. (239.9m-250kc), 8-10 p. m., Breuner's.
KWSC, Pullman, Wash. (348.6m-860kc), 7:15-9 p. m., Dorothy Ruemelin, vocalist; Pauline Williams, pianist; Boy Scout's band; Esther Olson, reader.

Crosley Station Adds Two New Features for Farmers

CINCINNATI.—Two new Radio features have been added to the Crosley WLW broadcasting station's programs for Wednesday and Thursday afternoons. The United States department of agriculture is sponsoring a lecture for boys and girls by "Uncle Bert," a ficticious character who speaks to the children upon the subject of "Gardening the Radio Way," at 4:45 o'clock Central time, every Wednesday afternoon. "Fifty Farm Flashes" is the title of a series of talks in the question and answer style and will deal with agricultural subjects, which are being broadcast every Thursday afternoon at 4:30.

Radio Saves Army $48,086

WASHINGTON, D. C.—During the first half of the current fiscal year the army signal corps, by use of its Radio nets throughout the country, has been able to make a saving of $48,086.43 for nineteen governmental departments.

Arctic Ships to Carry Full Radio Equipment

Byrd Expedition Will Broadcast With Short and Long Waves

WASHINGTON, D. C.—The Byrd arctic expedition will be equipped with the latest type of Radio equipment, according to officials of the navy department who are completing plans for the trip to the frozen north. The objects of the equipment are safety of ship, plane, fog and weather reports, entertainment by broadcasters and messages from home, and it is anticipated that many tests and experiments in communication may be carried out with both long and short waves.

The SS Chantier, with call letters KEGK, will be equipped with a 1-k. w. navy spark transmitters, sending on 300, 600 and 800 meters. It will also have a short wave transmitter, to work on 80, 40, 20 and 10 meters. The airplane is to carry a 50-watt short wave transmitter, capable of working on 61 and 44 meters.

BASEBALL GOES ON AIR

(Continued from page 3)

Cubs will be on Wednesday, April 21, when they play the Cincinnati Reds.

Saturday home games of the Chicago Cubs will also be broadcast play-by-play by WGN, The Chicago Tribune station. Quin Ryan, aided by "Sam 'n' Henry," the colored comic team, will handle the mike.

WSB, Atlanta, Already Under Way

All Fools Day, April 1, WSB began its fifth consecutive season of baseball broadcasting. This southern station, owned by the Atlanta Journal, considers baseball its most valuable summer feature. In a statement from WSB, it is said that the station would be maintained for that purpose alone, even if all nightly entertainments were discontinued.

WSB was the first station in America to report a World Series game in detail, play-by-play, through telegraphic relay. This was in 1922. Since then WSB has reported all the Southern league games played by the Atlanta Crackers team, whether at home or on the road. It is a significant fact that for each succeeding year the Atlanta club has broken all attendance records for the city and for the league.

WSB this year will again report all the Atlanta club games and likewise report the Dixie championship between the pennant winners of the Southern and Texas leagues, the baseball classic of the South. The World Series will also be broadcast. Every night at 8:30 p. m. Central time WSB announces a tabulation of all games played in the principal leagues.

Fort Worth Games Over WBAP

WBAP, the Fort Worth Star-Telegram, will broadcast all the home games of the Fort Worth nine, which is a member of the Texas league. These will be handled play-by-play direct from the ball park. The Dixie series will also be given by WBAP.

Harold Hough, WBAP official, announces that an open grandstand microphone will be used to pick up the cheering, hooting, crack of the bat and even the pursuasive sales cries of the peanut venders. He is of the opinion that such an arrangement adds much color to the play-by-play broadcast and enables Radio listeners to form a more complete and interesting picture of the game.

WDAF and WHAS Plans

WDAF, the Kansas City Star's popular station, will feed the ball fans of the great Southwest with inning scores and game results for the major leagues and American association, of which Kansas City is a member. These will be given every afternoon at 3:30, 4:00, 4:35 and 6:00 o'clock, Central time.

Credo Harris, director of the Louisville Courier-Journal and Times broadcaster, WHAS, announces that his station will give daily results of the major league, American association, and other important games. Besides, under Mr. Harris' personal direction, his invention of 1925, in which the World Series was broadcast and re-played play-by-play by living players at the Louisville ball park, will again be put in operation at the conclusion of the 1926 season as the World Series takes all fans' attention.

WJAG and Printer's Devil Active

WJAG, the Norfolk (Nebr.) Daily News station and home of the Printer's Devil, has plans ready for giving the national pastime reports to its listeners. Along with flashes on results in the bush leagues and town teams in three states, the Printer's Devil will give a daily resume of results in the major leagues with standings of each team and in cases of important games, score by innings descriptions. The daily average and baseball diamond dust gossip will be the foundation from which the famous World Series stories will be broadcast by Karl Stefan, the Printer's Devil.

The play-by-play description of the World Series this year will again be read direct from the telegraph wire by Mr. Stefan, who will simultaneously keep a box score for listeners.

Station 6BM, Bournmouth, England, recently organized a cross-word puzzle competition. A diagram appeared in the station's published program, and listeners were asked to keep it and follow the clues read out by the announcer.

STATEMENT OF THE OWNERSHIP, MANAGEMENT, CIRCULATION, ETC., REQUIRED BY THE ACT OF CONGRESS OF AUGUST 24, 1912,

Of Radio Digest, Illustrated, published weekly at Chicago, Ill., for April 1, 1926.

State of Illinois, County of Cook, ss.—Before me, a notary public in and for the State and county aforesaid, personally appeared E. C. Rayner, who, having been duly sworn according to law, deposes and says that he is the publisher of the Radio Digest, Illustrated, and that the following is, to the best of his knowledge and belief, a true statement of the ownership, management (and if a daily paper, the circulation), etc., of the aforesaid publication for the date shown in the above caption, required by the Act of August 24, 1912, embodied in section 443, Postal Laws and Regulations, printed on the reverse of this form to-wit:

1. That the names and addresses of the publisher, editor, managing editor, and business managers are: Publisher, E. C. Rayner, 2335 Commonwealth Ave., Chicago, Ill.; Editor, Evans E. Plummer, 934 Lawrence Ave., Chicago, Ill.; Managing Editor, None; Business Manager, V. E. Huffer, 5220 Cornell Ave., Chicago, Ill.

2. That the owner is: (If the publication is owned by an individual his name and address, or if owned by more than one individual the name and address of each, should be given below; if the publication is owned by a corporation the name of the corporation and the names and addresses of the stockholders owning or holding one per cent or more of the total amount of stock should be given.) E. C. Rayner, 2335 Commonwealth Ave., Chicago, Ill.; George Seaman, 2350 Parkway, West Chicago, Ill.; F. T. Ryan, 510 N. Dearborn St., Chicago, Ill.; D. R. Seaman, 49 Cedar Ave., Chicago, Ill.; Joseph Seaman, 250 5th Ave., New York, N. Y.; V. E. Huffer, 5220 Cornell Ave., Chicago, Ill.

3. That the known bondholders, mortgagees, and other security holders owning or holding 1 per cent or more of total amount of bonds, mortgages, or other securities are: (If there are none, so state.) None.

4. That the two paragraphs next above, giving the names of the owners, stockholders, and security holders, if any, contain not only the list of stockholders and security holders as they appear upon the books of the company but also, in cases where the stockholder or security holder appears upon the books of the company as trustee or in any other fiduciary relation, the name of the person or corporation for whom such trustee is acting, is given; also that the said two paragraphs contain statements embracing affiant's full knowledge and belief as to the circumstances and conditions under which stockholders and security holders who do not appear upon the books of the company as trustees, hold stock and securities in a capacity other than that of a bona fide owner; and this affiant has no reason to believe that any other person, association, or corporation has any interest direct or indirect in the said stock, bonds, or other securities than as so stated by him.

5. That the average number of copies of each issue of this publication sold or distributed, through the mails or otherwise, to paid subscribers during the six months preceding the date shown above is.....
(This information is required from daily publications only.)

E. C. RAYNER,
(Signature of publisher.)

Sworn to and subscribed before me this 29th day of March, 1926.
(SEAL.) A. C. McKITRICK.
(My commission expires October 1st, 1928.)

Imagine any good 5-tube set lifted into the realm of the extraordinary—and you have the new Crosley 5-38. That's how the Crescendon, Crosley's new volume control, enhances the performance of the 5-tube 5-38 . . . $38 without accessories.

Add 10% to all prices west of the Rockies

THE CROSLEY RADIO CORPORATION, Cincinnati, Ohio

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"Your radio is always top notch. What do you do to keep it so full of pep?"

KEEPING your "B" batteries full of pep, without frequent renewals, is simply a matter of using the right size Eveready for your particular set with a "C" battery*.

The rule which determines the right size "B" batteries to use is so simple no one can make a mistake, and once learned it definitely settles the question of "B" battery service and economy.

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.

When following these rules, No. 772, on 1 to 3 tube sets, will last for a year or more, and Heavy Duties on sets of 4 or more tubes, for 8 months or longer.

These life figures are based on the established fact that the average year-round use of a set is 2 hours a day.

A pair of Eveready No. 772's for a 5-tube set instead of 2 Eveready No. 770's or 2 Eveready Layerbilts No. 486—looks at first glance like an economy because of lower first cost. But in a few months the 772's will be exhausted and have to be replaced. After the same length of time the Eveready No. 770's or the Eveready Layerbilts No. 486 will still be good for many more months of service.

We have prepared for your individual use a new booklet, "Choosing and Using the Right Radio Batteries," which we will be glad to send you upon request. This booklet also tells about the proper battery equipment for use with the new power tubes.

*NOTE: In addition to the increased life which an Eveready "C" Battery gives to your "B" batteries, it will add a quality of reception unobtainable without it.

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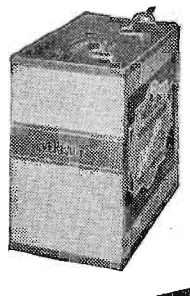
Tuesday night means Eveready Hour—9 P. M., Eastern Standard Time, through the following stations:

WEAF–*New York*
WJAR–*Providence*
WEEI–*Boston*
WTAG–*Worcester*
WFI–*Philadelphia*
WGR–*Buffalo*
WCAE–*Pittsburgh*
WSAI–*Cincinnati*
WEAR–*Cleveland*
WWJ–*Detroit*
WGN–*Chicago*
WOC–*Davenport*
WCCO {*Minneapolis* / *St. Paul*}
KSD–*St. Louis*

Pacific Coast, Eveready Program
KGO–*San Francisco*, 8 to 9 P. M.



LEFT–*No. 486, for 4, 5 or more tubes, $5.50.*
RIGHT–*Eveready Dry Cell Radio "A" Battery, 1½ volts.*

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Radio Batteries
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AN EVENING AT HOME WITH THE LISTENER IN
IN CENTRAL TIME

Call	Location	Met.	Saturday	Sunday	Monday	Tuesday	Wednesday	Thursday	Friday
AT9	Fort Bragg, N. C.	435	Silent	5:00- 6:00	Silent	Silent	Silent	7:00- 8:55	Silent
CFCA	Toronto, Ont.	356.9	Silent	6:00- 8:00	5:45- 6:45	Silent	6:00-11:00	Silent	Silent
CFCN	Calgary, Alta.	356.9	11:00- 1:00	Silent	Silent	Silent	Silent	9:00-10:00	Silent
CJCA	Edmonton, Can.	434.5	10:00-12:00	8:30- 9:30	8:30-10:30	8:30- 9:00	7:00- 9:00	10:00-12:00	9:00-12:00
CKAC	Montreal, Que.	516.9	6:00-10:30	1:45- 2:45	Silent	6:00-10:30	Silent	6:30- 8:30	Silent
CKCL	Toronto, Ont.	410.7	6:00- 7:00	2:00- 3:55	Silent	6:00-10:50	Silent	6:00- 7:00	Silent
CKNC	Toronto, Ont.	356.9	7:00- 9:00	Silent	7:00-10:00	Silent	Silent	Silent	Silent
CKY	Winnipeg, Man.	384.4	8:00-11:00	7:00-10:00	8:00-12:00	Silent	7:30-11:00	8:30-11:00	Silent
CNRO	Ottawa, Ont.	434.5	7:30-12:30	Silent	Silent	Silent	7:30-12:30	Silent	Silent
CYL	Mexico City, Mex.	480	Silent	9:24-10:54	Silent	9:24-10:54	Silent	Silent	9:24-10:54
CZE	Mexico City, Mex.	350	8:24- 9:24	Silent	8:24- 9:24	8:24- 9:24	8:24- 9:24	8:24- 9:24	8:24- 9:24
KDKA	Pittsburgh, Pa.	309.1	5:30- 8:55	3:00- 7:45	5:30- 8:55	5:30-11:35	5:30- 8:55	5:30-11:00	5:30-10:05
KFAB	Lincoln, Nebr.	340.7	5:30- 2:00	4:00-11:00	5:30- 2:00	5:30-10:30	5:30-10:30	Silent	5:30-10:30
KFDM	Beaumont, Tex.	315.6	Silent	8:00- 9:00	Silent	8:00-10:30	Silent	Silent	8:00-10:30
KFH	Wichita, Kan.	267.7	10:00-11:00	7:15-12:00	10:00- 1:15	10:00-11:00	10:00- 1:15	10:00-11:00	10:00-11:00
KFI	Los Angeles, Cal.	467	8:00- 5:00	6:00- 1:00	8:00- 1:00	8:00- 1:00	8:00- 1:00	8:00- 1:00	8:00- 1:00
KFJF	Okla. City, Okla.	260.7	6:30-10:45	2:30-11:45	6:30-10:45	6:30- 7:30	6:30-12:00	6:30-10:45	6:30-10:45
KFKX	Hastings, Nebr.	288.3	5:30- 6:30	Silent	5:30-11:00	5:30- 6:30	5:30-11:00	5:30- 8:00	5:30-11:00
KFMX	Northfield, Minn.	336.9	Silent	7:00- 8:00	Silent	9:30-10:00	9:00-10:00	Silent	10:00-11:00
KFNF	Shenandoah, Ia.	263	7:00-12:00	2:30- 8:30	7:00- 9:00	7:00- 9:00	7:00- 9:00	7:00- 9:00	7:00- 9:00
KFOA	Seattle, Wash.	454.3	11:30- 1:00	Silent	9:00-12:00	8:00- 1:00	9:00-12:00	Silent	8:00- 1:00
KFON	Long Beach, Cal.	232.4	8:00- 1:00	8:00-12:00	8:00- 1:00	8:00- 1:00	8:00- 1:00	8:00- 1:00	8:00- 1:00
KFQB	Fort Worth, Tex.	508.2	8:30- 9:30	3:00- 8:30	8:30- 9:30	8:30- 9:30	Silent	8:30- 9:30	8:30- 9:30
KFRU	Columbia, Mo.	499.7	Silent	7:30- 8:30	6:15- 7:15	6:15- 7:15	9:00-11:30	6:15- 7:15	12:00- 2:00
KFUO	St. Louis, Mo.	545.1	Silent	4:00-10:15	8:00- 9:00	Silent	9:15-10:15	Silent	Silent
KFVE	Univ'ty City, Mo.	240	9:15-10:15	Silent	9:15-10:15	9:15-10:15	9:15-10:15	Silent	9:15-10:15
KFWA	Ogden, Utah	260.7	10:00- 1:00	Silent	Silent	Silent	10:00- 1:00	Silent	Silent
KFWB	Hollywood, Calif.	252	10:00- 1:00	11:00- 1:00	9:30- 1:00	10:00- 1:00	10:00- 1:00	10:00- 1:00	9:10- 1:00
KFWI	San Francisco, Cal	226	Silent	10:00- 2:00	10:00- 2:00	Silent	10:00- 3:00	12:00- 2:00	10:00- 3:00
KFXF	Colorado Springs.	250	10:00-12:00	8:30- 9:30	9:30-11:30	9:30-11:30	Silent	10:00-12:00	Silent
KGO	Oakland, Calif.	361.2	10:30- 2:00	5:30-10:30	8:00-12:00	8:00- 2:00	8:00- 9:00	10:00- 3:00	8:00- 9:00
KGW	Portland, Ore.	491.5	8:00- 2:00	8:00-12:00	8:00-12:00	8:00- 2:00	8:00- 1:00	8:00-10:00	8:00- 2:00
KHJ	Los Angeles, Cal.	405.2	9:45-12:00	6:00-12:00	Silent	10:00-12:00	10:00-12:00	10:00-12:00	10:00-12:00
KIAF	Sihtipok, Minn.	421	Silent	4:00- 5:00	9:00-10:00	Silent	9:00-10:00	Silent	9:00-10:00
KJR	Seattle, Wash.	384.4	10:30-12:00	7:00-12:30	9:00-12:00	9:00-12:00	9:00-12:00	9:00- 2:00	9:00-12:00
KLDS	Independence Mo.	440.9	8:00- 9:00	6:30-10:00	Silent	8:00-11:59	Silent	8:00- 9:00	Silent
KLX	Oakland, Calif.	508.2	Silent	Silent	6:00-12:30	Silent	6:00-12:00	Silent	6:00-12:30
KMA	Shenandoah, Ia.	252	6:00-11:00	4:00- 6:00	6:00-11:00	6:00-11:00	6:00-11:00	6:00-11:00	6:00-11:00
KMOX	St. Louis, Mo.	280.2	6:00-11:00	9:00-10:00	6:00-11:00	6:00-11:00	6:00-11:00	Silent	6:00-11:00
KNX	Hollywood, Cal.	336.9	7:30- 4:00	8:30-12:30	7:30- 2:00	7:30- 2:00	7:30- 2:00	7:30- 2:00	7:30- 2:00
KOA	Denver, Colo.	322.4	10:00-12:00	4:00- 9:45	7:30-11:30	7:30- 9:30	7:30- 1:00	7:30- 8:30	7:30-10:00
KOB	StateCollege, N.M.	348.6	Silent	Silent	8:30- 9:30	Silent	Silent	Silent	8:30- 9:30
KOIL	Council Bluffs, Ia	278	7:00- 3:00	7:00-12:00	6:00-12:00	6:00-12:00	6:00- 7:15	6:00-12:00	7:00-12:00
KPO	SanFrancisco, Cal	428.3	8:35- 2:00	7:00-12:00	8:40- 1:00	8:40- 1:00	8:40- 1:00	8:40- 1:00	8:30- 1:00
KPRC	Houston, Texas	296.9	7:30-11:00	7:30-10:30	7:30-10:00	7:30- 9:30	7:30-12:00	7:30-12:00	Silent
KPSN	Pasadena, Calif.	315.6	10:00-12:00	10:45-11:45	Silent	10:00-11:00	Silent	10:00-11:00	Silent
KSD	St. Louis, Mo.	545.1	7:00-10:00	6:15- 9:15	7:00-12:00	6:55-10:00	7:00- 9:00	6:55-10:00	7:00-10:00
KSL	Salt Lake City, U.	299.8	9:00-12:00	8:30-11:00	8:00-12:00	8:00-11:30	8:30-12:00	8:30-12:00	8:30-11:00
KTAB	Oakland, Calif.	240	Silent	9:45-11:15	10:00-12:00	10:00-12:00	10:00-12:00	10:00-12:00	10:00-12:00
KTBI	Los Angeles, Cal.	293.9	Silent	9:15-11:30	Silent	10:00-11:00	Silent	10:00-11:00	Silent
KTCL	Seattle, Wash.	305.9	Silent	8:10-11:10	9:00-10:00	10:00-11:00	Silent	Silent	9:00- 2:00
KTHS	Hot Springs, Ark.	374.8	9:00-10:30	9:00-11:30	9:00-11:00	9:00-10:30	9:00-11:00	9:00-10:45	9:00-11:00
KTW	Seattle, Wash.	455	Silent	9:00-11:30	Silent	Silent	Silent	Silent	Silent
KUOA	Fayetteville, Ark.	299.8	Silent	Silent	Silent	7:30- 8:30	8:00- 9:00	Silent	Silent
KWKH	Shreveport, La.	260.7	9:00-12:00	7:00-11:00	10:00-11:30	9:00-12:00	Silent	8:00- 9:30	Silent
KWSC	Pullman, Wash.	348.6	Silent	Silent	9:30-11:00	Silent	9:30-11:00	Silent	9:30-11:00
KWWG	Brownsville, Tex.	278	6:00- 7:00	Silent	8:30- 9:30	6:00- 7:00	6:00- 7:00	6:00- 7:00	6:00- 7:00
KYW	Chicago, Ill.	535.4	6:00- 1:00	2:30-11:00	6:00- 6:30	6:00-12:00	6:00-12:00	6:00-12:00	6:00-12:00
NAA	Radio, Va.	434.5	Silent	Silent	6:45- 7:00	7:30- 8:30	Silent	Silent	Silent
PWX	Havana, Cuba	400	7:30-10:00	7:00- 9:00	7:30-10:00	7:30-10:00	7:00- 9:00	Silent	7:30-10:00
WADC	Akron, Ohio	258	5:30- 6:30	5:30- 6:30	5:30- 6:30	5:30-10:00	5:30- 6:30	5:30-10:00	5:30-10:00
WAHG	Richmond, N. Y.	315.6	11:00- 1:00	Silent	6:30- 1:00	Silent	6:30-11:00	Silent	7:00-10:00
WAIU	Columbus, Ohio	293.9	8:15-10:00	2:00- 3:00	5:00-10:30	5:00-11:00	5:00- 6:00	5:00- 6:00	5:00-11:00
WAMD	Minneapolis, Minn	244	6:15-10:30	6:15-10:30	7:00-12:00	Silent	7:00-12:00	6:15-12:00	6:15-12:00
WBAL	Baltimore, Md.	246	Silent	5:30- 7:30	5:30- 9:00	5:30- 9:00	Silent	5:00- 9:00	5:30- 9:00
WBAP	Fort Worth, Tex.	475.9	6:00-11:00	5:00-11:00	6:00-12:00	6:00-11:00	6:00- 6:30	6:00-12:00	6:00-12:00
WBAR	Sisiht, Wis.	406	Silent	10:00-11:00	9:00-10:00	Silent	8:00- 9:00	7:30- 8:30	Silent
WBBM	Chicago, Ill.	226	8:00- 2:00	4:00- 2:00	6:00- 7:00	8:00-12:00	8:00- 2:00	8:00-12:00	8:00-10:00
WBBR	StatenIsland, N.Y.	272.6	7:00- 9:00	8:00- 9:15	7:00- 8:00	Silent	Silent	7:00- 8:00	Silent
WBCN	Chicago, Ill.	266	9:00- 1:00	5:00-12:00	Silent	9:00- 1:00	8:00-12:00	9:00- 2:00	9:00- 1:00
WBPI	New York, N. Y.	263	5:00-10:45	Silent	5:00-10:00	5:00-10:00	5:00-10:00	5:00- 6:00	5:00-10:00
WBZ	Springfield, Mass.	333.1	5:30- 9:00	6:00- 8:00	5:30- 9:30	5:30- 9:15	5:30- 9:00	5:30- 9:00	5:30- 9:00
WCAE	Pittsburgh, Pa.	461.3	7:30- 8:30	5:30- 9:15	5:30-11:00	5:30-11:00	5:30- 9:60	5:30-10:00	5:30- 9:30
WCAP	Washington, D.C.	468.5	Silent	3:00- 9:15	5:00-10:00	Silent	6:00-11:30	Silent	5:00-11:30
WCAU	Philadelphia, Pa.	278	Silent	4:00-10:30	7:00-10:30	5:45-10:30	5:45-11:00	5:30-11:30	5:45-10:30
WCBD	Zion, Ill.	344.6	Silent	8:00-10:30	Silent	8:00-10:30	Silent	8:00-10:30	Silent
WCCO	Minn.-St.P.,Minn.	416.4	6:15-11:05	4:10- 8:15	6:30-10:00	6:15-10:00	6:45-12:30	7:00-11:05	6:15-11:05
WCOA	Pensacola, Fla.	222	1:00-12:00	Silent	6:30- 7:30	Silent	6:30- 7:30	Silent	6:30- 7:30
WCX	Detroit, Mich.	516.9	5:00- 6:00	6:15- 7:15	5:00- 8:00	5:00- 1:00	5:00- 8:00	5:00- 8:00	5:00- 9:00
WDAF	Kansas City, Mo.	365.6	6:00- 1:00	4:00- 4:45	6:00- 1:00	6:00- 1:00	6:00- 1:00	6:00- 1:00	6:00- 1:00
WDBO	Winter Park, Fla.	240	8:00- 9:30	4:00- 5:00	8:00- 9:30	8:30-10:00	8:00- 9:30	8:00- 9:30	8:00- 9:30
WDWF	Providence, R.I.	440.9	Silent	Silent	Silent	6:45- 7:00	6:25- 7:40	6:45- 7:00	6:45- 7:00
WEAF	New York, N.Y.	491.5	5:00-11:00	1:00- 9:15	5:00-11:00	5:00-11:00	5:00-11:00	5:00-11:00	5:00-11:00
WEAN	Providence, R.I.	270.1	5:30- 9:30	6:30- 7:45	5:30- 9:30	5:30- 9:30	5:30- 9:30	5:30- 9:30	Silent
WEAO	Columbus, Ohio	293.9	Silent	Silent	Silent	6:00- 8:00	7:00- 8:00	7:00-10:00	Silent
WEAR	Cleveland, Ohio	389.4	6:00-12:00	6:00- 9:15	6:00- 7:00	6:00-11:00	6:00- 7:00	6:00-10:00	6:00-11:00
WEBH	Chicago, Ill.	370.2	7:00- 2:00	5:00- 9:00	Silent	7:00-12:30	7:00-12:30	7:00-12:30	7:00-12:30
WEBJ	New York, N.Y.	272.6	Silent	Silent	Silent	7:00- 9:00	7:00- 9:00	Silent	6:00- 8:00
WEEI	Boston, Mass.	348.6	7:10-10:00	2:00- 9:15	5:15-10:00	6:30-10:30	5:15-10:00	6:30-10:00	6:30-10:00
WEMC	Berrien Spgs., Mic	285.5	Silent	7:15- 9:10	7:15- 8:15	Silent	7:15- 8:15	Silent	8:00-10:05
WENR	Chicago, Ill.	266	6:00- 2:00	2:00-12:00	Silent	6:00-10:00	6:00- 2:00	6:00-10:00	6:00- 2:00
WFAA	Dallas, Texas	475.9	6:30-12:00	6:00-12:00	6:30- 9:30	6:30-12:00	Silent	6:30-12:00	6:30- 9:30
WFBH	New York, N.Y.	272.6	10:30- 1:00	4:00- 7:00	10:30- 1:00	10:30- 1:00	10:30- 1:00	10:30- 1:00	10:30- 1:00
WFI	Philadelphia, Pa.	394.5	5:30-11:00	3:30- 4:30	5:30- 7:00	5:30-10:30	5:30- 7:00	5:30-10:00	5:30- 7:00
WGBS	New York, N.Y.	315.6	5:00-10:30	7:00- 8:00	6:00- 6:15	5:00-10:30	5:00- 7:30	5:00- 7:45	Silent
WGBU	Fulford, Fla.	278	5:30-12:00	8:30-11:00	5:30-12:00	5:30-12:00	5:30-12:00	5:30-12:00	5:30-12:00
WGCP	New York, N.Y.	252	7:30-11:00	2:00- 5:00	8:00-10:30	Silent	6:00- 8:15	9:30-12:00	6:00- 8:10
WGES	Oak Park, Ill.	250	5:00- 1:00	5:00-12:00	5:00- 7:00	5:00- 1:00	5:00- 1:00	5:00- 1:00	5:00- 1:00
WGHB	Clearwater, Fla.	266	5:30-12:00	Silent	5:30-12:00	5:30-12:00	5:30-12:00	5:30-12:00	5:30-12:00
WGHP	Detroit, Mich.	270	Silent	Silent	5:00-12:00	5:00-12:00	5:00-12:00	5:00-12:00	5:00-12:00
WGN	Chicago, Ill.	302.8	6:30-10:00	3:00- 9:15	6:30- 7:00	6:30-11:00	6:30-11:00	6:30-11:00	6:30-11:00
WGR	Buffalo, N. Y.	319	7:15- 9:00	6:45- 9:15	5:30-11:00	5:30-10:00	5:30-11:00	5:30-10:00	5:30-12:00
WGY	Schenectady, N.Y.	379.5	5:30-11:00	2:00- 8:15	5:30- 7:45	5:30-10:30	5:30- 8:05	5:30-11:30	6:00-10:30
WHAD	Milwaukee, Wis.	275.1	Silent	3:15- 4:15	6:15-10:00	6:15- 7:00	6:15-12:30	6:15- 7:00	6:15-10:00
WHAR	AtlanticCity, N.J.	275.1	6:30- 8:00	6:50- 9:00	6:30-11:00	6:30- 8:00	Silent	6:30-11:00	6:30- 8:00
WHAS	Louisville, Ky.	399.8	7:30- 9:00	4:30- 5:30	Silent	7:30- 9:30	7:30- 9:00	7:30- 9:00	7:30- 9:00
WHAZ	Troy, N.Y.	379.5	Silent	Silent	8:00-11:00	Silent	Silent	Silent	Silent
WHB	Kansas City, Mo.	365.6	Silent	8:00- 1:00	7:00- 8:00	7:00-10:00	7:00- 8:00	7:00-10:00	7:00- 8:00
WHN	New York, N.Y.	361.2	Silent	2:00-11:30	5:30-11:30	5:00-12:00	5:00-12:00	5:00-12:00	5:00-12:00
WHO	Des Moines, Ia.	526	Silent	7:30-12:00	7:30-12:00	7:30-12:00	6:00-12:00	7:30-12:00	7:30-12:00
WHT	Chicago, Ill.	399.8	7:00- 1:00	12:00-10:30	Silent	7:00- 1:00	7:00- 1:00	7:00- 1:00	7:00- 1:00
WIBO	Chicago, Ill.	226	6:00- 8:00	6:00-12:00	Silent	6:00- 2:00	6:00-12:00	6:00- 2:00	6:00- 2:00
WIP	Philadelphia, Pa.	508.2	5:05-11:05	3:00- 4:00	5:05- 7:00	5:05-10:30	5:05- 7:00	5:05-10:15	5:05- 7:00
WJAR	Providence, R. I.	305.9	Silent	5:00- 9:15	6:45-10:00	6:30- 9:00	6:30-10:00	7:00-10:00	6:55-11:00
WJAS	Pittsburgh, Pa.	275.3	6:00-11:00	Silent	6:00-11:00	6:00-11:00	6:00- 1:00	6:00-11:00	6:00-11:00
WJAX	Jacksonville, Fla.	336.9	7:00- 9:00	6:30- 7:30	7:00- 9:00	7:00-11:00	7:00- 9:00	7:00-11:00	7:00- 9:00
WJAZ	Chicago, Ill.	322.4	Silent	Silent	Silent	Silent	Silent	10:00-12:00	Silent
WJJD	Mooseheart, Ill.	370.2	5:30- 1:00	3:00- 4:00	Silent	5:30- 1:00	5:30- 1:00	5:30- 1:00	5:30- 1:00
WJR	Pontiac, Mich.	516.9	6:00-11:30	Silent	6:00-11:30	6:00- 9:00	6:00-11:30	6:00-10:00	6:00- 9:00
WJZ	New York, N.Y.	454.3	6:00- 9:25	1:30-10:00	6:00-10:30	6:00-10:45	6:00-10:45	6:00-10:45	6:00-10:30
WKAQ	San Juan, P. R.	340.7	Silent	Silent	Silent	Silent	6:00- 8:00	6:00- 8:00	6:00- 8:00
WKAR	Lansing, Mich.	285.5	Silent	Silent	6:15- 8:00	6:00- 7:00	6:00- 8:00	6:00- 7:00	6:15- 8:00
WKRC	Cincinnati, Ohio	422.3	10:00-12:45	6:45-12:30	6:00- 1:00	10:00-12:00	6:00- 1:00	10:00-12:15	Silent
WLIB	Chicago, Ill.	302.8	6:00- 1:00	5:00- 7:00	Silent	7:00- 1:00	7:00- 1:00	7:00- 1:00	7:00- 1:00
WLIT	Philadelphia, Pa.	394.5	6:30- 7:30	6:00- 7:30	6:30-10:45	6:30- 6:50	6:30-10:30	6:30- 7:30	6:30-11:00
WLS	Chicago, Ill.	344.6	7:00- 1:00	6:00- 7:55	Silent	7:00- 8:00	7:00-11:30	7:00- 8:55	7:00-11:30
WLW	Cincinnati, Ohio.	422.3	7:00-10:00	4:00- 9:30	7:00-11:00	7:00-11:00	7:00-12:30	6:00- 1:15	Silent
WLWL	New York, N.Y.	288.3	Silent	6:00- 7:00	7:00- 9:00	Silent	Silent	7:00- 9:00	Silent
WMAK	Lockport, N.Y.	265.5	5:15-10:00	6:30- 7:30	6:30-10:00	5:15- 6:15	6:30- 9:00	6:15- 7:00	Silent
WMAQ	Chicago, Ill.	447.5	8:00-10:00	Silent	Silent	8:00-10:15	8:00- 9:45	7:00-11:00	8:00-10:15
WMAZ	Macon, Ga.	260.7	Silent	Silent	9:00-10:00	7:00- 8:00	10:00-11:00	9:00-10:00	7:00-10:00
WMBB	Chicago, Ill.	250	7:00-11:00	3:00-11:00	Silent	7:00-11:00	7:00-11:00	7:00-11:00	7:00-11:00
WMBF	Miami Beach, Fla	384.4	6:00-12:00	6:00-12:00	6:00-12:00	6:00-12:00	6:00-12:00	6:00-12:00	6:00-12:00
WMC	Memphis, Tenn.	499.7	7:15- 9:30	Silent	7:15- 9:00	7:15-12:00	Silent	7:15- 9:45	7:15-12:00
WMCA	New York, N.Y.	340.7	8:00-12:00	6:00- 9:00	8:00-11:00	7:00-11:00	8:00-11:00	8:00-11:00	7:00-10:45
WNAC	Boston, Mass.	280.2	5:00-10:00	2:15- 7:45	5:30- 9:45	5:00- 8:00	5:00- 9:00	5:00- 8:00	5:00-10:00
WNYC	New York, N.Y.	526	6:00- 9:30	8:00-10:00	6:35- 9:30	6:10- 9:30	6:30- 9:30	6:35- 9:30	6:30- 9:30
WOAI	San Antonio, Tex.	394.5	Silent	7:30-10:30	Silent	8:30-10:30	8:30- 9:30	Silent	8:30- 9:30
WOAN	Lawrenceb'g, Tenn	282.8	Silent	9:00-10:00	9:00- 1:30	9:00-10:00	9:00-10:00	9:00-10:00	9:00-10:00
WOAW	Omaha, Nebr.	526	6:00-12:00	6:00- 9:00	6:00-11:00	6:00- 1:00	Silent	6:00- 1:00	6:00-11:15
WOAX	Trenton, N. J.	240	Silent	8:30-10:30	Silent	Silent	Silent	Silent	Silent
WOC	Davenport, Iowa	483.6	6:30-12:00	6:30-11:45	Silent	6:30-11:30	6:30-10:30	6:30-12:00	6:30-10:30
WOK	Homewood, Ill.	217.3	10:00- 1:00	6:30- 8:30	Silent	10:00- 1:00	10:00- 1:00	10:00- 1:00	10:00- 1:00
WOO	Philadelphia, Pa.	508.2	6:30- 7:30	5:05- 9:15	6:30-11:00	6:30- 7:30	6:30-11:00	6:30- 7:30	6:30-11:00
WOQ	Kansas City, Mo.	278	8:00-11:00	7:00- 7:45	Silent	8:00- 9:00	Silent	7:00- 9:00	Silent
WOR	Newark, N. J.	405.2	5:15-11:00	Silent	5:15-11:00	5:15- 7:00	5:15-10:30	5:15- 7:20	5:15- 7:00
WORD	Batavia, Ill.	275	7:00-10:25	2:30-10:00	Silent	7:00-12:45	7:00-12:00	8:00-10:00	7:00-12:45
WOS	JeffersonCity, Mo.	440.9	Silent	8:00- 9:00	8:00-10:00	Silent	8:00-10:00	Silent	8:00-10:00
WPG	Atlantic City, N.J.	299.8	5:45-11:00	2:15-10:00	5:45-11:00	5:45-11:00	Silent	5:45-11:00	5:45-11:00
WQJ	Chicago, Ill.	447.5	7:00- 3:00	7:00-10:00	Silent	7:00- 2:00	7:00- 2:00	7:00- 2:00	7:00- 2:00
WRC	Washington, D.C.	468.5	6:15-10:30	Silent	Silent	6:00-10:30	Silent	6:00-11:30	Silent
WREO	Lansing, Mich.	285.5	5:00-11:00	6:00- 7:00	5:00- 6:00	5:00- 8:15	5:00- 6:00	5:30-11:30	Silent
WRVA	Richmond, Va.	256	Silent	Silent	7:00-10:15	Silent	7:00-10:00	7:00-10:00	6:00-10:00
WRW	Tarrytown, N.Y.	273	8:00-10:30	7:00-10:30	8:00-10:30	8:00-10:30	8:00-10:30	8:00-10:30	8:00-10:30
WSAI	Cincinnati, Ohio	325.9	7:00-12:00	3:00- 9:15	8:00-11:00	7:00-10:00	6:45-11:15	7:30-10:00	Silent
WSB	Atlanta, Ga.	428.3	8:00-12:00	7:30- 9:15	8:00-12:00	8:00-12:00	10:45-12:00	8:00-12:00	8:00-12:00
WSBC	Chicago, Ill.	209.7	6:30- 4:00	6:30- 1:00	6:30- 7:00	6:30- 1:00	6:30- 1:00	6:30- 1:00	6:30- 1:00
WSM	Nashville, Tenn.	282.2	6:30-12:00	Silent	6:30-11:00	10:00-12:00	6:30-11:00	Silent	6:30-11:00
WSMB	New Orleans, La.	319	9:30-11:30	Silent	9:30-11:30	Silent	9:30-11:30	9:30-11:30	Silent
WSUI	Iowa City, Iowa	483.6	Silent	9:15- 9:45	7:30- 8:30	Silent	7:45- 8:45	Silent	Silent
WSWS	Chicago, Ill.	275.1	7:00-11:00	Silent	Silent	7:00-11:00	7:00-11:00	7:00- 8:00	7:00-11:00
WTAG	Worcester, Mass.	268	Silent	3:00- 9:15	6:00-10:00	6:45-10:00	6:45-10:00	7:00-10:00	7:00- 9:30
WTAM	Cleveland, Ohio	389.4	5:00-11:00	Silent	5:00-11:00	5:00- 6:00	5:00-11:00	5:00- 6:00	5:00- 6:00
WTIC	Hartford, Conn.	475.9	5:30-11:00	4:00- 9:30	5:30-11:00	Silent	5:30- 9:00	5:30- 6:30	5:30-11:00
WWJ	Detroit, Mich.	352.7	Silent	5:20- 9:15	5:00- 8:00	5:00- 8:00	5:00-[illegible]:00	5:00-11:30	5:00- 9:00

STATIONS IN ORDER OF WAVE LENGTHS

Meters	Call	Meters	Call	Meters	Call	Meters	Call	Meters	Call	Meters	Call
209.7	WSBC	266	WBCN	288.3	KFKX	340.7	WKAQ	394.5	WOAI	468.5	WCAP
217.3	WOK	266	WGHB	288.3	WLWL	340.7	WMCA	399.8	WHAS	468.5	WRC
222	WCOA	268	KFH	293.9	KTBI	344.6	WCBD	399.8	WHT	475.9	WBAP
226	KFWI	268	WTAG	293.9	WAIU	344.6	WLS	400	PWX	475.9	WTIC
226	WBBM	270.1	WEAN	293.9	WEAO	348.6	KOB	405.2	KHJ	475.9	WFAA
226	WIBO	270.1	WGHP	296.9	KPRC	348.6	KWSC	405.2	WOR	480	CYL
232.4	KFON	272.3	KWKH	299.8	KUOA	348.6	WEEI	406	WBAR	483.6	WOC
240	KFVE	272.6	WBBR	299.8	KSL	350	CZE	410.7	CKAC	483.6	WSUI
240	KTAB	272.6	WEBJ	299.8	WPG	352.7	WWJ	416.4	WCCO	491.5	KGW
240	WDBO	272.6	WFBH	302.8	WGN	356.9	CFCA	421	KIAF	491.5	WEAF
240	WOAX	273	WRW	302.8	WLIB	356.9	CKCL	422.3	WLW	499.7	KFRU
244	WAMD	275.1	WHAD	305.9	KTCL	356.9	CKNC	422.3	WKRC	499.7	WMC
246	WBAL	275.1	WHAR	305.9	WJAR	361.2	KGO	428.3	WSB	502.8	KFQB
250	KFXF	275.1	WORD	309.1	KDKA	361.2	WHN	428.3	KPO	508.2	KLX
250	WGES	275.1	WSWS	315.6	KFDM	365.6	WDAF	434.5	CNRO	508.2	WIP
250	WMBB	275.3	WJAS	315.6	KPSN	365.6	WHB	434.5	CFCN	508.2	WOO
252	KFWB	278	KOIL	315.6	WAHG	370.2	WEBH	434.5	NAA	516.9	CJCA
252	KMA	278	KWWG	315.6	WGBS	370.2	WJJD	435	AT9	516.9	WCX
252	WGCP	278	WCAU	319	WGR	374.8	KTHS	440.9	KLDS	516.9	WJR
256	WRVA	278	WGBU	319	WSMB	379.5	WGY	440.9	WDWF	526	WHO
258	WADC	278	WOQ	322.4	KOA	379.5	WHAZ	440.9	WOS	526	WNYC
260.7	KFWA	280.2	KMOX	322.4	WJAZ	384.4	CKY	447.5	WMAQ	526	WOAW
260.7	KFJF	280.2	WNAC	325.9	WSAI	384.4	KJR	447.5	WQJ	535.4	KYW
260.7	KWKH	282.8	WOAN	333.1	WBZ	384.4	WMBF	454.3	KFOA	545.1	KFUO
260.7	WMAZ	282.8	WSM	336.9	KNX	389.4	WEAR	454.3	WJZ	545.1	KSD
263	WBPI	285.5	WEMC	336.9	KFMX	389.4	WTAM	455	KTW		
263	KFNF	285.5	WKAR	336.9	WJAX	394.5	WFI	461.3	WCAE		
265.6	WMAK	285.5	WREO	340.7	KFAB	394.5	WLIT	467	KFI		

SHORT WAVES
By Marcella

(Continued from page 6)

however, that he is doing announcing regularly anywhere.

* *

This much of your question I can answer, M. W. F., and that is about H. W. Arlin, former KDKA announcer. He is off the air and in the electrical appliance sales business. Akron, Ohio, I think, is his new home. I'll answer the rest later.

* *

The Duncan Sisters, Edwin, are still on the road with "Topsy and Eva," I believe, but am not sure. Are they married? No, neither of them is. Ages? Another thing I don't know—and a bad thing to guess about—a lady's age. However, I don't think they would be interested in matrimony. Gypsy and Marta, the Mona Motor Oil Twins, are billed every Tuesday at 9 p. m. Pacific time at KPO, Hale Brothers, San Francisco. Perhaps this is the other team you are seeking?

* *

V. K. Y., an ardent "Marcellite," wants other members of the order to know that KMOX, the well-liked "Voice of St. Louis," has engaged the good-looking-but-married George Junkin as announcer. Considering George's experience as a theatrical producer, motion picture actor, and microphone star, it is too bad that a lady from the "show me" state married him away back in 1913.

* *

Adele, J just don't know where Clyde Hager, ex-WMBB, Chicago, has gone. They tell me, however, that he is on the road—but where, for whom and doing what, I do not know.

* *

Hah—ah and another ah. Here's the first opportunity for several weeks, girl friends. Louis John Johnen, who arranges the programs heard through WLW, Crosley station in Cincinnati, is a BACHELOR! He is also interlocutor of the WLW minstrel show heard every Tuesday evening, and he announces about half the time. As if that weren't enough, he sings baritone solos now and then, and during his leisure moments teaches vocal at the Cincinnati Conservatory of Music.

* *

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

KOA Player to Musical Comedy

DENVER.—High recognition was again given the KOA dramatic players when Will Morgan, leading man and widely known in western theatricals, was recently chosen for one of the principal roles in "No, No, Nanette," famous musical comedy.

WHAT IS SOUP STOCK?

(Continued from page 6)

It is not always necessary to have new material to make soup stock. In fact, in many cases the scraggy meat and bones from roasts, chops and steaks will make all the stock you need. If you are buying meat to use for soup, buy a shank of veal or a shin of beef. These cuts come far down on the leg of the animal where there is a large amount of the tissue which makes jelly, and also some very juicy and well-flavored meat. Ordinarily a good proportion to use is one quart of water for one pound of meat. With less water the result will be a stiff jelly. For a good, rich stock, use two or three pounds of meat or meat and bone for each quart of finished stock. Any meat may be used except that which has been smoked or pickled.

In addition to the meat and bone, use several different vegetables for flavoring. From one-half to one tablespoon of each vegetable is sufficient for each quart of stock. The favorite vegetables are carrots, celery, onions and turnips. Leftover vegetables may be utilized in the soup, but the soup should never be a general dumping ground for scraps. After the soup is done, let it stand until cool, and then remove the solid layers of fat and all small particles of fat. Strain to remove all of the meat and vegetables. The soup is then ready to serve as an ordinary soup with the addition of diced vegetables, noodles, rice, macaroni or anything you like.

How to Clarify Stock

If you wish to clarify the stock for bouillon, proceed as follows: Use one egg white and shell for each quart of stock. Beat the egg slightly and crush the shell. Stir into the stock and heat slowly to the boiling point, stirring constantly. Boil without stirring from 5 to 15 minutes until all of the particles collect with the egg to form in a heavy scum. The length of time required depends upon the quantity of soup. Let stand to settle, then strain through a double cheese cloth. If any additional bubbles of the fat remain on the soup, they may be removed by touching the surface with absorbent paper. A crepe paper napkin is good for this purpose.

Soup stock is used as the foundation for many different kinds of soup. Stock that is jellied may be kept for a long time if kept in a cold place. It will keep as long as it is jelly and has a layer of solid fat on top to keep out the air, or it may be sealed in fruit jars and kept in a cool place. It is better not to cook vegetables in the stock if you expect to keep it any length of time. They may be added later as you make up the soup to serve.

Fewer Radio Stations

WASHINGTON, D. C.—The total number of broadcasting stations has been decreased to 532, according to W. D. Terrell,

Radio Digest Illustrated

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Food for Noises

"FOUR feet of snow, plus a temperature of twelve degrees below zero, plus an open car in which to travel, plus unlimited interference, equals a happy life for the Radio inspector in the northern states," reports one of the federal Radio men who was sent from Chicago to Minnesota to make special investigations.

How would you like to trade jobs with the inspector and receive his small salary and transportation allowance? Not so pleasant to anticipate is it?

Yet congress and the budget bureau feel that they have done their best in appropriating $335,000 with which the Radio section of the department of commerce must work during the next twelve months. This fund will buy patches for the older inspectors' last year's suits and provide enough extra money to pay the meager salaries of a few youths in the various districts who will sit at night and listen to broadcasting stations that persist in sliding their wave lengths up and down the scale and radiating their programs on anywhere from two to sixteen different wave lengths.

But the third of a million dollars won't begin to do the work necessary to police the air one hundred per cent perfect. We don't believe the fund allowed is half enough.

The Radio inspectors could be of great assistance in running down and correcting bloopers, leaking power lines and transformers, faulty broadcasting station transmitters, and interference by amateurs and boats—but the inspection force is not financed or manned enough to begin to do all of this work. As a result we sit by and tune in to every kind of noise and nuisance the electron is capable of producing or the ether of carrying.

When we said that $500,000 annually was not too much to devote to the work of the Radio section, we meant it. Please remind your congressmen.

Listen to the Good Ads

AN AGITATION against undue advertising on the air is in progress. A number of newspapers have been carrying articles of late lamenting on the number of lottery contests and advertising announcements on the air. The complaint is that these announcements and contests are unwelcome and that they should be barred by legislation.

It is our belief that legislation is unnecessary and is ill advised. Our forefathers founded this country upon certain definite principles. It is a democracy. Personal and business liberties were not to be controlled by the government. We have enough laws. But there are always those persons who would add a few more to the already overcrowded statute books. Let's first enforce the laws we have.

The advertising situation will govern itself far better than it is within the power of the federal government to control it. Let us prove this contention.

If a station by its boring sales announcements, its nauseous telegram reading, or its monthly or more frequent lotteries, becomes unentertaining and distasteful, it is within the power of every listener to tune that station out. Of course there are certain exceptions where the receiving post is under the shadow of the bothersome station's towers—but that is an exception, and the rule will take care of the situation.

If the station is tuned out often enough, and if the advertisers paying for time on the air through that station are told, in letters from disgusted fans, what a bore their Radio advertising is proving to be, that firm will not continue to broadcast through the station—or the method of broadcast advertising therefrom will be altered greatly. No business company is going to continue long to advertise via the microphone in an unprofitable way.

And remember—the listener always has the option of twisting the dials around to another station whose program is more to his taste. That is the American privilege, the right to do as one pleases, the ability to hear what one chooses.

Who is there to say that there is not sufficient variety on the air from which to make a satisfactory selection?

RADIO INDI-GEST

Buncha Din

There's a sound of armies clashing,
There's the roar of breakers dashing
Wreakage up against a rugged dike;
There's a roll of distant thunder
As the clouds are rent asunder—
Cannons fired broadside at the mike.
There's a scream of vultures dying;
Of demented people crying;
A yelping savage beating on a drum.
There's a most discordant banging
Like the fire engines clanging
And tearing up the cobbles as they come.
There's a shriek, a scream, a clatter—
What on earth can be the matter?
Are the elements engaging in a fight?
It's the noise of all creation
Headed straightway for damnation—
Ah, go on—It's only silent night.

THE NIGHT HERD

When You Call Me That, Smile!

Dear Indi: Apropos of the argument between the linguists and purists over "Radiocasting" and "broadcasting," do you think WBAP at Fort Worth can sneak their cowboy show in under the name "Rodeocasting?"

ELOISE R

What a Dirty Dig!

Dear Indi: See in last week's issue that an unknown movie extra is to be popularized on air. Whadyu mean? Hot Air?

PABLO

My Radio

I sit me down at eventide,
My faithful radio beside,
And scour the ether, far and wide,
For music, soft and low.
And, like a million other saps,
With "DX" written on their maps,
In my ears the static snaps,
And fills my soul with woe.

Anon, I exercise my wiles,
I twist and turn the cussed dials
And think that, from a thousand miles,
I'll tear a lot of guff,
To find when I tune in a guy
And steal his skill from out the sky,
To bring the sparkle to my eye,
It's only local stuff.

My Frau assures me I'm a nut,
That bug-house is my occiput,
And a darned fool I am nothing but,
Plumb dead above the neck,
It may be so, but, I'll be cussed,
I'll have my Radio or bust,
For there are millions, who are just
As nuts as I, By Heck.

WILSON E. ROGERS

Where Men Are Men an' Women Are—Not

Dear Indi: Where is the Night Herd from? A guy couldn't dope out all he does from the "Smog" of Chicago or the cold grey of N'Yawk. Bet he's from the great open spaces.

SHOBIE

"A FLOP ON THE STAIRS"

by THE THIRD TROMBONE PLAYER

Episode 2—Is Beer All?

Synopsis.—It seems that C. Densed, a prominent writer of Radio criticisms, is plotting to re-write the dictionary as it does not agree with his spelling. He organizes a gang called the "Jazzbo Six" to destroy by means of Radio waves all existing copies of Webster's important, although somewhat unromantic, masterpiece. In this he is opposed by Marten Dirkun, a fearless copy boy with big blue eyes, rosy cheeks and a sweet temper. Now go on with the story, Pancrace.

IT WAS Dirkun who, with blazing eyes, faced the scowling C. Densed. Little did he know what was in store for him.

"Lay off that there dictionary, big boy, or I'll turn 135 volts B battery on your quivering flesh."

"You can't harm me," hissed C. Densed, "cause I'm Dielectric and don't conduct electricity." With this he smote our hero on the bean with a Whistlinghouse R. C. set.

As he was about to drag out the body, a woman's scream rent the air. Again this mysterious scream!

(Boys, this is getting serious. Wonder who that female is?)

(TO BE CONTINUED)

Found Out at Last

Dear Indi: And here, all the time, I thought you were a nice old man and, heck, you know about Ponjola, Congressional and Boy bobs!!! How come???

KITTEE KEY

Franque's Filosofee

Although Radio keeps a man at home, all the while he is trying to get as far away as possible.

Stations Were Down on the List

What do you think of the guy that wrote in and expressed indignation because a number of stations listed in the programs had "Silent Night" and, after trying to tune them all in, he failed to hear it even once?

INDI

News of the Week

Condensed

BY DIELECTRIC

When the instruments are in tune and the rhythm is maintained, dance orchestras sound very much alike to this reviewer, which may be a frank confession of ignorance. If so, the plaintiff loses. Nothing in the playing of dance music by an orchestra from Station WJJD, Moosehart, provoked me to slander nor to eulogy. It was the manner of announcing which led me to put that station down for mention. In a short time those stations failing to give call and city between numbers will be so few as to cause them to feel their own delinquency. "WJJD, Moosehart," follows so quickly each number there is always time for it. They are to be commended for their policy.

Station WGN, Chicago, hit upon a feature of duo value: presenting old-time favorites with prizes awarded to those guessing them correctly. Old-time songs are not dying out, nor are they likely to, and yet the titles of these pieces are ofttimes difficult to recall. Hence, listeners will make an effort to learn the names of all these songs and at the same time familiarize themselves anew with their beauty.

Edward Johnson, of the Metropolitan Opera company, New York, sang for the Atwater Kent concert series in a manner most pleasing. There may be some to whom this tenor's voice lacked certain wanted qualities, but to most listeners his work was highly engaging. After listening to each of the famous operatic tenors for some years back sing the well-known "Pagliacci's Lament," from the opera of that name, I hesitate to deprive Mr. Johnson of the laurels justly due him. His artistry was notable in each phrase of the aria, coloring his tones with intelligence and displaying a voice of sweetness and warmth, a truly magnificent rendition of this recital of woe.

Another dance program listened to was one presented by the Golden Pheasant orchestra through Station WTAM, Cleveland. Previous mention has been made of the good work of this musical organization and is repeated here. Something more than that is slated to be said before commencing comment on the next feature, however, and it is to the effect that the Willard station is open to censure because of the announcer's allowing several numbers to go by without announcement. I am in entire agreement with those fans would urge giving the call letters following each feature and again preceding the next.

Station WWAE, Plainfield, Ill., had a happy group of broadcasters in their studio one night a short time ago who dispensed cheer lavishly, not sparing themselves in the least. When the time came for them to depart, the announcer interrupted his standard explanation to bid Bill, Dick, Joe, etc., a fond farewell. Is he supposed to be human or merely a mechanical bulletin of past and coming events? Your votes for the world's most popular announcer should tell.

With all the excitement over prohibition enforcement it is not surprising to have a number of speakers from as many stations broadcasting their remarks on the subject. Station WLW, Cincinnati, stood fast while Senator Edwards, New Jersey, delivered a speech which included nearly all the uncomplimentary adjectives contained in the dictionary, having immediately in mind everyone supporting the latest check to freedom. His immediate audience was composed of Irishmen. I don't know how cosmopolitan was the Radio audience. Everyone with a receiving set may firmly exclaim "Amen" or "bosh" and not interrupt these meetings. That's the beauty of listening in.

Super-Torodyne: An Improved 8-Tube Super

Part I—Analysis of the Circuit

By J. E. Owen, Univ. of Okla.

THE Super-Torodyne is offered on the basis of its merit, and with a realization of the necessity for further development in the super-heterodyne circuit field for the reception of broadcast programs.

When the work was started on the Super-Torodyne, it was realized that certain factors had been utilized quite satisfactorily in other circuits that had not (for no obvious reason) been carried over into the super-heterodyne circuit. The fact was obvious, that the super-heterodyne at that date was, from the viewpoint of oscillator and antenna coupler units, considerably outranked by other circuits. Thousands of dollars had been spent in experimental work on tuned radio frequency circuits in the development of low loss toroid coils that had characteristics suitable for inter-stage coupling. Also, the super-heterodyne is often bulky and inconvenient from the viewpoint of installation. To partially overcome certain of these features of the usual super-heterodyne, the Super-Torodyne was devised.

Weeks of careful selection of apparatus followed, particularly in the nature of the selection of the intermediate stage transformers and the oscillator and antenna coupler units. It was recognized that while it might be possible to easily design a coil for the set, it would mean more to the builder to have a unit that was already on the market. The All-American Toroid transformer type, T-2, proved the most suitable of all tried.

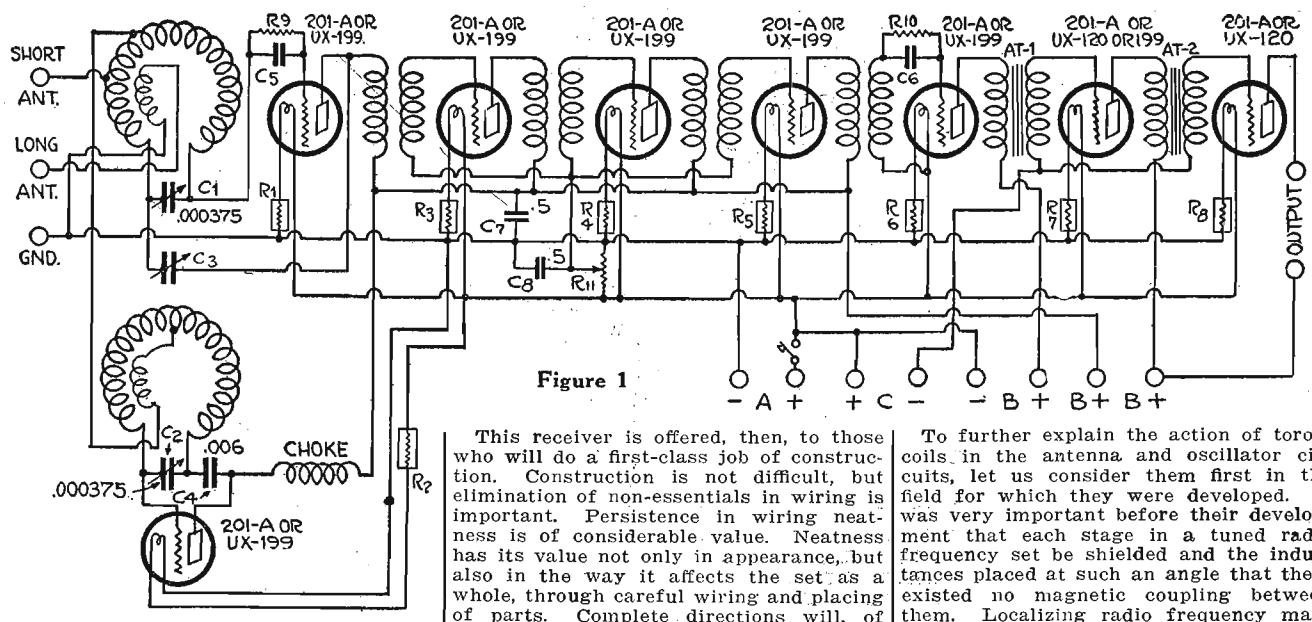


Figure 1

super-heterodyne utilizing the unusual toroid advantages in a generally satisfactory manner; the scheme being to produce a set of real quality. Nothing cheap has been substituted that might in any way interfere with quality of reproduction, nor sensitivity and selectivity. It may be said in all fairness, however, that stability of operation was recognized as a necessary essential in the finished product, and an effort to overcome the usual disadvantages attendant to stability was seriously made. This effort was quite successful, and is apparent when one studies the circuit and the arrangement of its different units.

This set is not offered in a spirit of education for those in the kindergarten class in Radio. The super-heterodyne circuit is fundamentally the most complex circuit yet devised, aside from certain super-regenerative sets. No particular attempt has been made to produce a "most simple super-heterodyne," or anything of the sort, but rather to produce a

This receiver is offered, then, to those who will do a first-class job of construction. Construction is not difficult, but elimination of non-essentials in wiring is important. Persistence in wiring neatness is of considerable value. Neatness has its value not only in appearance, but also in the way it affects the set as a whole, through careful wiring and placing of parts. Complete directions will, of course, be given.

The wiring diagram of the Super-Torodyne is that shown in figure 1. It will be noticed that the circuit is fairly standard, except that regeneration is used with an outside aerial. The term "outside aerial" is used in its general sense, and only to distinguish it from a loop. It may consist of a wire strung around the room. Regeneration is obtained in the antenna coupler in much the same way that it is obtained in a loop in many super-heterodyne circuits. The antenna and oscillator couplers are toroid in their construction, as was explained above. It is from these that the set gets its name. As is seen in the list of parts, air core intermediate stage coupling transformers are used, the high frequency response of the Victoreen units giving them a low noise level.

To further explain the action of toroid coils in the antenna and oscillator circuits, let us consider them first in the field for which they were developed. It was very important before their development that each stage in a tuned radio frequency set be shielded and the inductances placed at such an angle that there existed no magnetic coupling between them. Localizing radio frequency magnetic and electrostatic fields was no small job. Local broadcasting stations proved quite disastrous on the action of many receivers. In spite of the theoretical considerations and experiments which led to the set's rejection of signals fed directly into it and at a frequency differing to that for which the receiver was tuned, local stations kept on interfering and spoiling reception. Further consideration of the matter showed that linkages within the fields of each radio frequency transformer and the broadcasting sources resulted in each unit acting as sort of an antenna. The solution to this problem revealed by this discovery, was in toroid coils. These units have no external field —that is, the field at any point caused by a flow of current within the wire of a tor-

(Continued on next page)

SUPER-TORODYNE

List of Parts

4 Victoreen R. F. Trans.	Geo. W. Walker, Cleveland, Ohio	$28.00
2 Type AL-2 Shield Audio Transformers	Jefferson Elec. & Mfg. Co., Chicago	12.00
2 T-2 Toroid R. F. Trans.	All-American Radio Corp., Chicago	7.00
2 .000375 Hammarlund Condensers	Hammarlund Mfg. Co., New York	9.50
1 .000032 Hammarlund Junior Cond.	Hammarlund Mfg. Co., New York	1.80
1 Victoreen 400-ohm Potentiometer	Geo. W. Walker, Cleveland, Ohio	1.50
1 Battery Switch	Benjamin Elec. Mfg. Co., Chicago	.30
1 Pair Benjamin Brackets	Benjamin Elec. Mfg. Co., Chicago	.70
7 Bremer-Tully Universal Sockets	Bremer-Tully Mfg. Co., Chicago	5.25
1 B-T Silent Universal Socket	Bremer-Tully Mfg. Co., Chicago	1.25
1 B-T Radio Frequency Choke Coil	Bremer-Tully Mfg. Co., Chicago	.90
2 Velvet Vernier Dials	National Co., Cambridge, Mass.	5.00
2 1-mfd. Fixed Condensers	Tobe Deutschmann Co., Boston, Mass.	1.80
6 4v-199 Amperites	Radiall Company, New York city	6.60
2 No. 120 Amperites	Radiall Company, New York city	2.40
2 2-Megohm Grid Leaks	Allen-Bradley Co., Milwaukee, Wis.	1.50
1 .006 Fixed Condenser	Dubilier Cond. & Radio Corp. New York city	.75
13 Eby Binding Posts	H. H. Eby Mfg. Co., Philadelphia, Pa.	1.75
2 .00025 fixed Cond. with grid leak mtgs.	Dubilier Cond. & Radio Corp., New York city	.90
1 Formica Panel, 7x18	Formica Insulation Co., Cincinnati	2.85
1 Formica Panel, 7x17	Formica Insulation Co., Cincinnati	2.70
1 Formica Strip, 10½x1¼	Formica Insulation Co., Cincinnati	.30
1 10x18 Cabinet		3.50
Cook's Bus Bar Wire	E. N. Cook Plate Co., Providence, R. I.	.50
Miscellaneous: Screws, Spaghetti, etc.,		2.00
Total		$105.75

Fred W. Stein.

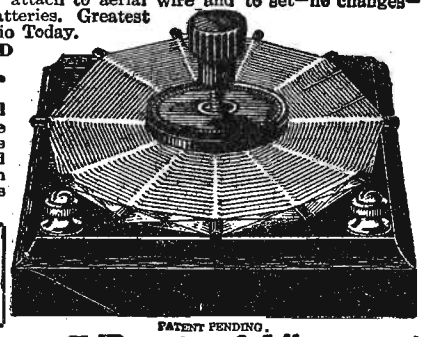
Steinite Low Loss Interference Eliminator

No Radio Set Complete Without It

Select stations at will. With music and voices crowding the air the average set fails to bring in the desired stations properly. The *Steinite Interference Eliminator* shuts out local and other interference. You get one station at a time, the one you want, and tune in loud and clear. Operates on any set—attach to aerial wire and to set—no changes—no extra tubes or batteries. Greatest Dollar Value in Radio Today.

OVER 300,000 SOLD

Improved Results With Tube or Crystal Try entirely at my risk the wonderful improvement this inexpensive little device will make in the reception of your set. Improves results on both crystal and tube sets that use any kind of aerial except loop antenna. Clears up reception wonderfully, increases volume, and partially absorbs static. ***MONEY-BACK GUARANTEE.***



Mfrs. Famous 1,500 Mi. Steinite 1-Tube Set, $6; Long Distance Crystal Set, $6; Steinite Crystal 50¢—3 for $1

STEINITE 5-Tube Set—$29.75

FREE Descriptive Literature on request.

PATENT PENDING.

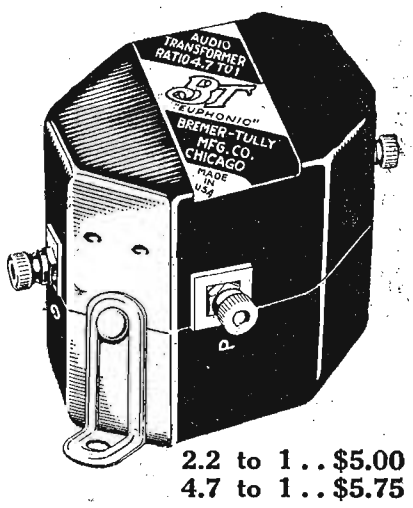
Put this interference eliminator on your set and note amazing improvement. No tools needed—install in a moments time. Connect with set and follow simple instructions. Money back promptly if not delighted. $1.00 postpaid anywhere in U. S. when cash with order.

$1 Postpaid If you are not delighted with results you get your dollar back

References: Exchange National Bank, Atchison Savings Bank. Order today—a dollar bill will do.

STEINITE LABORATORIES, 161 Radio Bldg., ATCHISON, KANSAS

BEST AUDIO TRANSFORMER BUY ON THE MARKET



2.2 to 1 . . $5.00
4.7 to 1 . . $5.75

J. E. Owen, Bureau of Tests and Measurements, University of Oklahoma and Radio Digest Technical writer, says, "I find your apparatus very excellent indeed. To my mind there is no better audio transformer buy on the market at anything near the price than your 2.2 to 1 Euphonic Transformer."

From a New York Pianoforte Instructor

Brooklyn, N. Y., March 10, 1926.

First let me tell you that in the past year I have built seven B-T Nameless Receivers.

Up to the completion of the seventh I was prepared to swear that there was no instrument in the world that could even equal it for selectivity, power and last but not least, tone quality. I say this from a musician's viewpoint.

Then came the Counterphase Six—

I think that you must take a malicious pleasure in springing surprises on competing manufacturers!

I have just completed my third one of these instruments. There is only one instrument that can come near to it in any way—and that is the "Nameless." I am using my personal instrument with a Western Electric Cone and their 25 B Power supply. The resulting reproduction is perfect.

The Counterphase sweeps all before it.

A. E. F.

Other B-T Products—

Lifetime Condensers
Tuning Controls
Tuners
Type UL Sockets
Silent Sockets
Nameless Kits
Counterphase Kits for Home Set Builders and Complete Factory-Built Counterphase Six Receivers

BREMER-TULLY MFG. CO.
532 South Canal Street CHICAGO, ILL.

NEW SUPER-TORODYNE

(Continued from page 19)

oid coil is zero, excluding flux leakage and choosing the point outside the unit. Therefore, the use of such coils in the radio frequency stages of a receiver proved quite satisfactory.

Two Antenna Taps

These coils carried over into the super-heterodyne circuit work quite well. Retaining the same characteristics that gave them success in the radio frequency circuits just described, they make in the super-heterodyne circuit for selectivity. Regeneration used with them makes the receiver also quite sensitive and selective. The unit selected used as an oscillator coupler has an output just sufficient to satisfactorily mix with the incoming signal of the first detector, while two antenna taps are provided for long or short aerials, which is an added advantage.

Buy Units Separately

Just a word might well be said about the intermediate stage and the audio units. The Victoreen intermediate coils are sold in kits, or separately, as desired, and are tuned individually to a frequency for which they were designed. One may feel safe in buying them separately, because they are built to a standard. There is considerable talk by some manufacturers of iron core units against air core units, their contention being that often mismatched transformers are sold and the resulting amplification is therefore quite low. Most certainly it is true that a mismatched set of units will give very poor results. The Victoreen units, however, may be used in full faith that they are well matched, and will stand considerable abuse without becoming detuned. The Victoreen kit should not be bought because the oscillator unit included in the kit is not used in the Super-Torodyne.

HOW SUPER-TORODYNE WILL LOOK

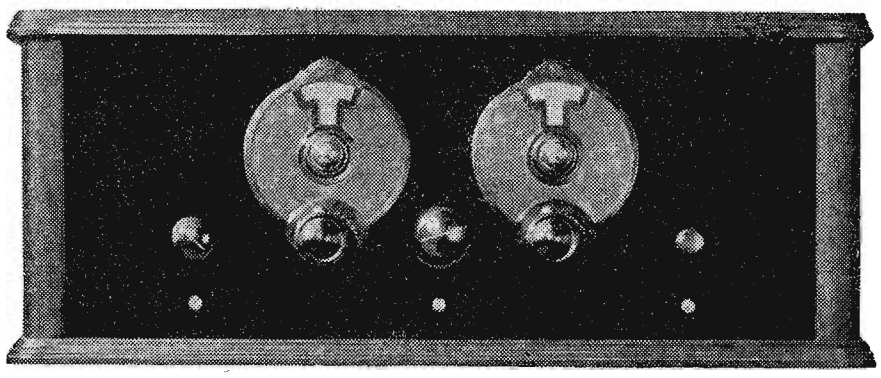


Figure..2

The writer on the Four-Filter Super in his first article recently gave a most excellent defense for the air core transformer and scored heavily against arguments that air core transformers of this type give distortion through elimination of side bands.

Use Quality Parts

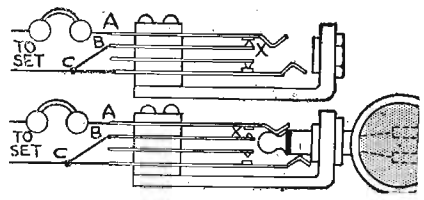
Although the expression "elimination of side bands" has no meaning in the audio stages, the major portion of distortion in most Radio receivers occurs in such stages, such irregularity being generally chargeable to the design of the transformer being such that they favor either the low or high register and thus lack any semblance of uniform amplification over the total broadcast frequency band. There are, however, available a few makes of audio transformers which clearly indicate the result of intensive research, and which produce straight line amplification characteristics which are most desirable.

Prominent among such transformers is the new Jefferson AL2 shield type, its amplification curve at broadcast frequencies from 40 cycles up being such that it is bound to find much favor among those insistent upon quality apparatus. It is to be remembered that any circuit is entirely dependent upon the quality of the parts used, while the arrangement and skill of the constructor follows in their order. Give this Super-Torodyne the benefit of good apparatus and it will prove a most excellent receiver.

(Next issue Professor Owen will start the actual construction of the Super-Torodyne by describing the panel layout, drilling and assembly instructions. Buy the specified parts and be prepared—Editor's Note.)

Connecting Phones in Series

The modern Radio experimenter often finds it desirable to connect another pair of phones in series with those that he is already using, but does not wish to take the time and trouble to disconnect the first set of phones in order to connect the



second set into the circuit. There is a very easy and simple way that this can be accomplished and the only material that is needed is an ordinary double circuit jack and plug.

In the great salt mine at Kalicz, Czecho-Slovakia, a receiving set and loud speaker have been installed in the deepest gallery of the workings, and the men are thus able to listen in to Vienna, Prague and other stations while working nearly a mile under the earth surface.

WDAE ON BUILT ISLAND

(Continued from page 5)

to do it regularly on a mere 250 watts! If you want to know who is the king of Davis Islands you'll find a monogram of a "D." and a "T." on a coronet of coils, tubes and crossed wires.

R. H. Megargle

The programs broadcast nightly from the Davis Islands Country club will rank with the finest on the air. Isham Jones and his famous Chicago orchestra playing their regular dance program at the Country club are broadcast each night. All dance lovers and most phonograph and Radio fans of America have heard this great orchestra, declared by musical authorities to be the greatest dance orchestra in the world. Isham Jones was brought to WDAE from the Kit Kat club, London, England, where he played a long engagement and his was acknowledged the favorite dance orchestra of the Prince of Wales.

Besides broadcasting orchestra and studio programs of exceptional merit, WDAE is teaching its listeners how to swim, how to play golf and how to dance by Radio. Miss Helen Wainright, champion woman swimmer of the world, is teaching a regular course in swimming every Wednesday night from 8:30 to 9 o'clock to students who hear her from the air.

On Thursday evenings, at the same hour, Miss Dorothy Mason, former dancing partner of Vernon Castle and instructor of dancing at Cornell university, takes the microphone to broadcast a weekly lesson in dancing.

On Friday night all the golf enthusiasts "tune in" on WDAE to hear Johnny Farrell, golf professional, at the Davis Islands Country club and runner-up in the national open golf tournament last year, broadcast his weekly golf instruction. Farrell, who recently beat Bobby Cruickshank for the Florida open golf championship, is making a big hit with the northern golfers who often are snowbound and unable to play their favorite game.

Ralph H. Megargle, director of Radio for the Tampa Times and Robert H. Nolan, one of the best known announcers in Florida, are handling the administration work and doing the announcing. Nolan, formerly with WGBU, Fulford-by-the-Sea, is also an entertainer of ability and features many programs with song and instrumental numbers. He announces as "B. N."

Megargle, who announces as "Tod," is well known and popular throughout the North as well as South because of his "sunshine state" announcements and stories. He is a former newspaper writer and has written many articles on Radio subjects.

Isham Jones and his orchestra will broadcast each night from WDAE until May 15. The programs start at 9 o'clock and continue until 2 a. m. On Sundays a special two hour concert, starting at 7:30 and continuing until 9:30, is broadcast.

WDAE operates on a wave length of 273 meters.

WBAP SUNFLOWER GIRL

(Continued from page 4)

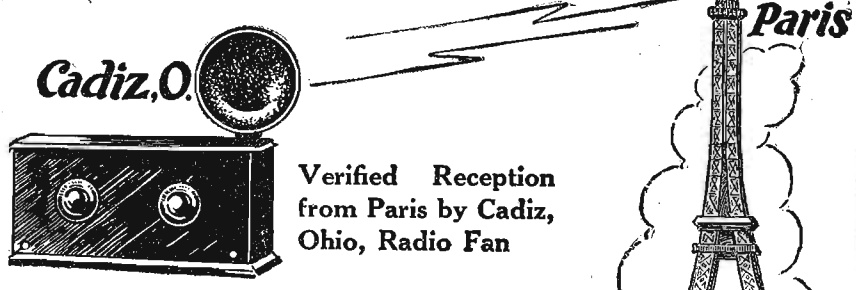
life the night she sang to thousands in the Coliseum at Fort Worth, the occasion being the opening of the Fat Stock Show and Rodeo; this program was also broadcast. Mingled with the thunderous applause was the characteristic whoops and calls of the cowboys and cowgirls—many of them world champions.

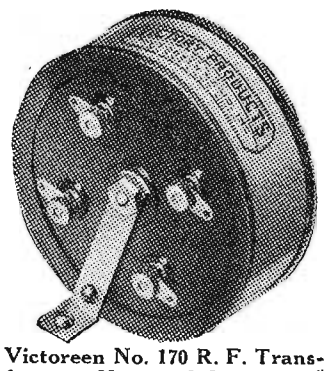
The little Sunflower Girl is still wondering what's it all about, this Radio business, that can take a singer and make her popular in such a short time. Although she has refused good offers to go on the stage, yet she is glad she has been the means of adding to the enjoyment of others. Of the future, she says little; but some day when deams come true, she hopes to sing personally to the many inmates of Uncle Sam's hospitals, who have been so generous in their letters.

With the risk of telling a secret, will whisper that recent negotiations have been made whereby the little singer whose career has been so spectacular, is to journey to New York to sing for records.

We only wish that the folks who write in and ask to be told "something about the Sunflower Girl" could have seen her as we saw her; there in the delightful drawing-room of her temporary home, eager and unaffected and sincere; singing and playing for the sheer love of it and enthusiastic in the happiness it was bringing to others.

Professor J. E. Owen
Specifies the
HAMMARLUND
Straight-Line Frequency
and
"HAMMARLUND, JR."
CONDENSERS
In His New
SUPER
TORODYNE
The best is none too good
for those who know.
Write for Folder
HAMMARLUND MFG. CO.
424-438 W. 33rd St., New York
For Better Radio
Hammarlund
PRECISION
PRODUCTS



Verified Reception
from Paris by Cadiz,
Ohio, Radio Fan
Coast to Coast On a Loop
is easy with a
Victoreen "Super"

Victoreen No. 170 R. F. Transformer—Neat and Compact 3" in diameter, 1" thick.
The Heart of the Circuit
4—No. 170 R. F. TRANSFORMERS
at $7.00 each and
1—No. 150 Coupling Unit at $5.50
No oscillations, howls or squeals—no matching of tubes.
Complete parts to build the "Victoreen" can be purchased of your dealers at moderate cost.
Ask your dealer for free "Victoreen" folder which contains hook-up and complete information or write us direct. This folder answers all questions regarding the "Victoreen" circuit.
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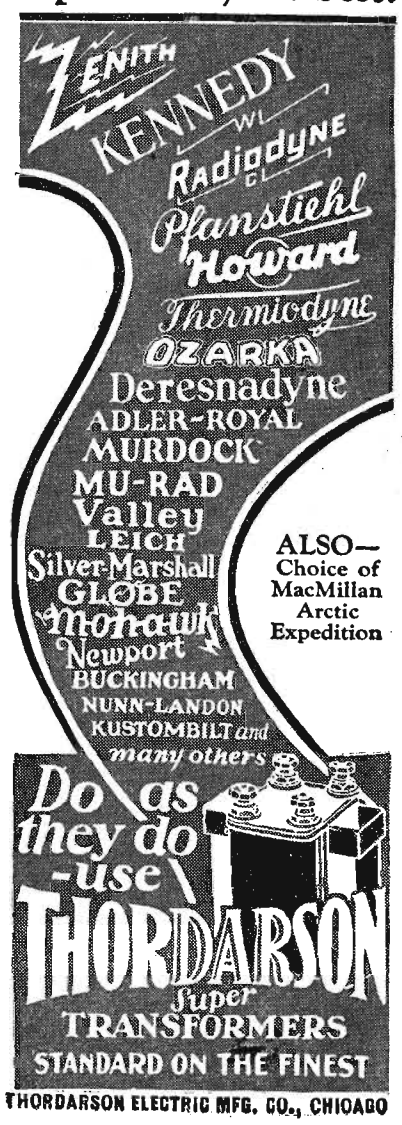
Branch Offices in Principal Cities

Year after Year
leading builders of
fine sets use more
Thordarsons than all
competitive makes of
transformers combined
—proof they are best!


THORDARSON ELECTRIC MFG. CO., CHICAGO

How to Stop Blooping and Man-Made Static

Part IX—Trouble Shooting Apparatus

By The Technical Staff

IN MAKING tests to locate sources of interference, as was shown in last week's article, one must approach the subject with an unprejudiced mind as to the source of the interference, and before concluding that the interference is caused by any given sourse, it is well to consider all possible conditions in which the interference may have originated from some other unknown cause. Investigating interference is a very fascinating detective game and one would sometimes suppose that the source of the interference had a sense of humor and was trying to evade detection in a manner similar to that of the most clever criminal.

As a major portion of interference is caused from leakages incident to transmission lines and their associated apparatus, there also exists disrupting surges from apparatus which are not defective.

In such cases where the electrical apparatus appears to be in good electrical condition it is often possible to supply some means of preventing electrical surges from getting out to the power line where they would radiate and cause interference.

Condenser Prevents Surges Traveling

Such electrical surges have the property of passing through condensers more readily than through inductances. The methods employed in preventing electrical surges which cause Radio interference, is to provide a path to ground in the form of a condenser. In order to make these filters effective, it is advisable to introduce between the line and the source of the disturbance a trap which will make the passage of the surge more difficult. This trap preferably takes the form of a choke coil consisting of a number of turns of wire of sufficient size to carry the required current without overheating.

Choke Coil Construction

A type of choke recommended for cases where the current is less than three amperes is constructed according to figure 16. It consists of 100 turns of number 18 double cotton covered copper wire comprising a single layer, wound on a fiber tube 3 inches in diameter, ⅛ inch thick. Leads are soldered to each end and made from number 14 flexible rubber insulated braid covered copper wire, making one turn around the tube then through a hole in the tube and extending through the inside of the tube a length of one foot.

All burrs should be carefully removed from the hole in the fiber tube so as not to cut the insulation. End rings or fillers are mounted at the end of the winding to build the coil form up to the same diameter as the outside diameter of the winding. These may be made of tape or a suitable size of fiber tube. The whole coil is then covered with five layers of Empire cloth and taped with friction tape and painted with an insulating varnish. Mounting lugs made of fiber can then be attached to each end of the coil. The finished coil should be mounted on a board covered with asbestos ⅛ inch thick and the leads soldered and thoroughly taped according to standard wiring practice.

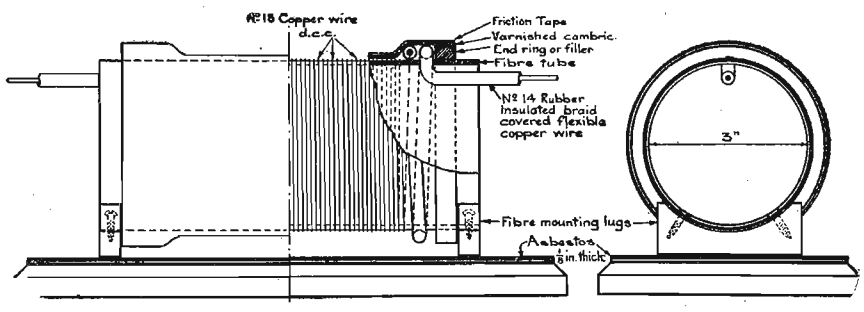


Figure 16

Mounting Condensers

Condensers which will stand a test voltage of 1,000 volts direct current may be connected across an alternating current or direct current circuit of 250 volts or less. On circuits which are protected by fuses of not more than 15 amperes capacity, no additional fuse is required for the condenser. On circuits protected by fuses of greater than 15 amperes capacity, a separate cut-out base and small fuse (of approved type) not exceeding 15 amperes, must be installed between the condenser and each ungrounded power wire. Where condensers are to be placed on wooden surfaces, they should be mounted on pads of asbestos at least ⅛ inch thick, and such pads should be sufficiently large to extend beyond the clamps used for holding the condenser in place.

Where condensers are to be used on 550-volt circuits, two condensers of the approved type must be connected in series between the lines, and the common point grounded. In such installations the condensers are to be protected by 600-volt fuses of not greater than 10 amperes

(Continued on next page)

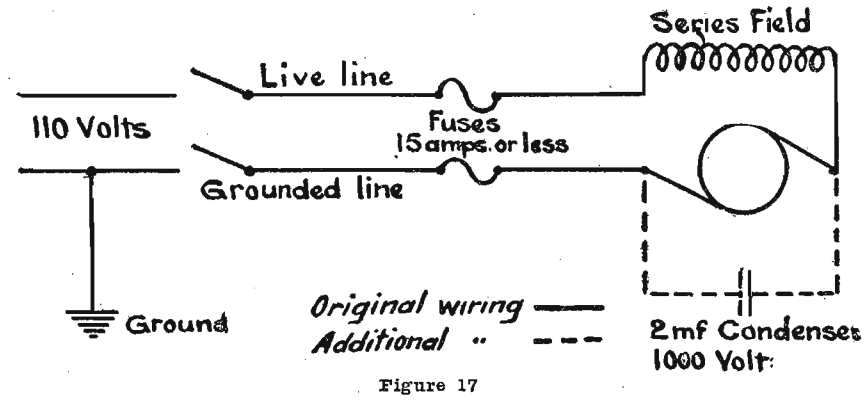
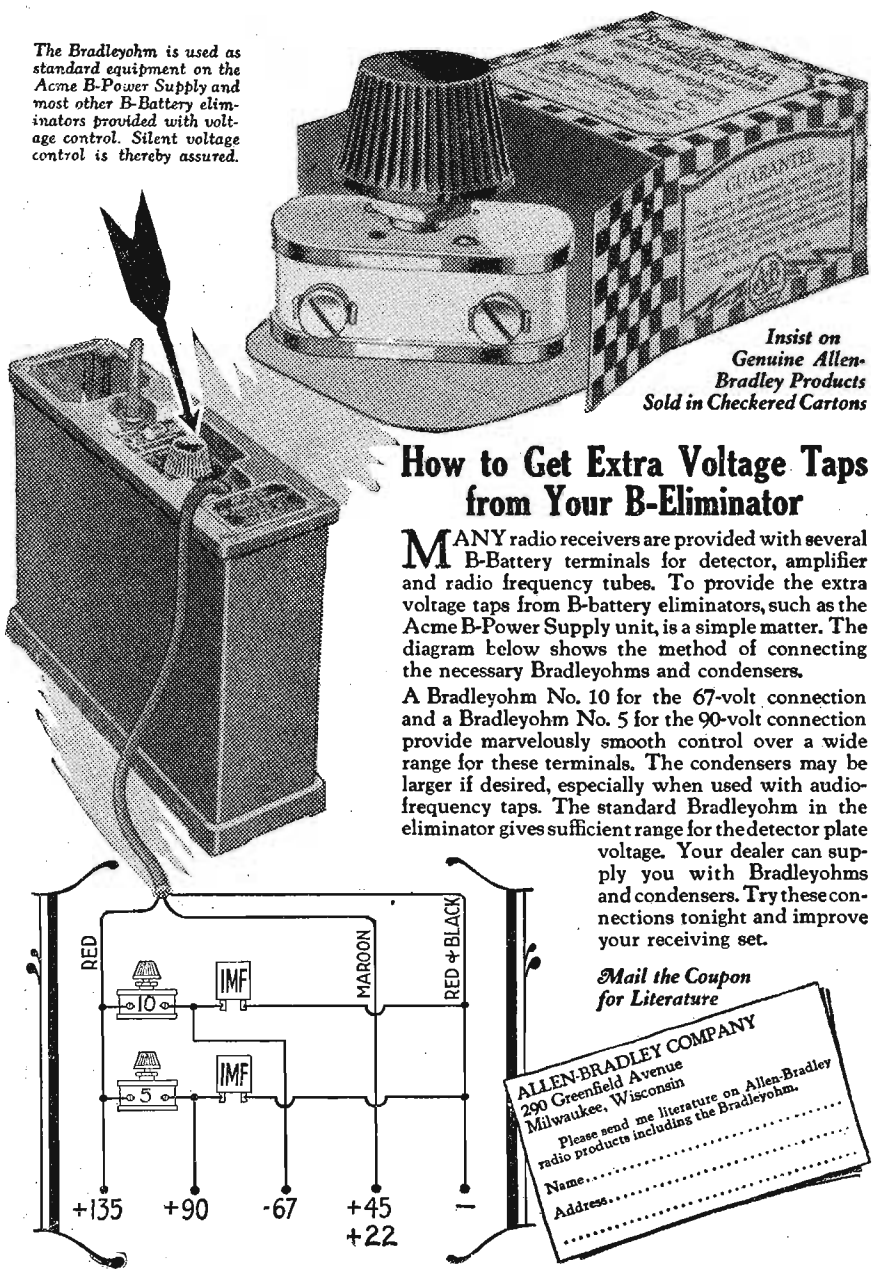


Figure 17

The Bradleyohm is used as standard equipment on the Acme B-Power Supply and most other B-Battery eliminators provided with voltage control. Silent voltage control is thereby assured.



Insist on Genuine Allen-Bradley Products Sold in Checkered Cartons

How to Get Extra Voltage Taps from Your B-Eliminator

MANY radio receivers are provided with several B-Battery terminals for detector, amplifier and radio frequency tubes. To provide the extra voltage taps from B-battery eliminators, such as the Acme B-Power Supply unit, is a simple matter. The diagram below shows the method of connecting the necessary Bradleyohms and condensers.

A Bradleyohm No. 10 for the 67-volt connection and a Bradleyohm No. 5 for the 90-volt connection provide marvelously smooth control over a wide range for these terminals. The condensers may be larger if desired, especially when used with audio-frequency taps. The standard Bradleyohm in the eliminator gives sufficient range for the detector plate voltage. Your dealer can supply you with Bradleyohms and condensers. Try these connections tonight and improve your receiving set.

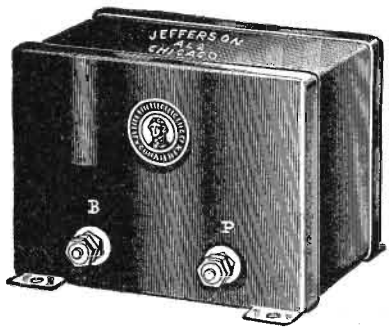
Mail the Coupon for Literature

ALLEN-BRADLEY COMPANY
290 Greenfield Avenue
Milwaukee, Wisconsin
Please send me literature on Allen-Bradley radio products including the Bradleyohm.
Name.....
Address.....
.....

Prof. Owen *Specifies*

JEFFERSON

A L Sealed Transformers



Prof. J. E. Owen of the Oklahoma University, after exhaustive research has selected Jefferson A L Sealed Audio Frequency Transformer for his new Super-Heterodyne circuit as described in this issue of Radio Digest. The A L Transformer was developed by Jefferson Radio Engineers after months of exhaustive experiments, the outcome of which allows us to offer to the radio public a transformer of a nicety of balance which comes from sufficient winding and large enough core and which gives an even amplification at low frequency and prevents resonant peaks at the higher frequencies. This transformer shows practically a straight line curve from 30 cycles for the low notes up to 10,000 cycles for the high notes.

A L Sealed Transformers Can Be Used with New Power Tubes

The A L Sealed transformer is one of the few which can be used with power tubes because it is heavily insulated throughout. This heavy insulation also causes less resistance between the primary and the core eliminating the danger of electrolytic action which is the cause of most open circuits.

A L Transformer Sealed

The Jefferson A L Sealed transformer is built into a metal case which makes it impervious to outside influences such as moisture which is liable to collect on the cord and windings if the transformer is used in damp places or humid climates so often found in summer homes and cottages. The extra large core permits the current to flow readily from tube to transformer preventing distortion. The A L Sealed transformer has not only been approved and tested by Prof. Owen but by most radio laboratories of this country. It is the last word in radio transformers manufactured. Ratio 2 to 1. Price **$6.00.**

For sale by all dealers. If your dealer does not carry the A L Transformer do not be satisfied with a substitute but write direct to manufacturer.

Jefferson Electric Manufacturing Co.

506 So. Green St., Chicago, Ill.

Specialists in Electrical Precision Equipment

HELP STOP BLOOPING

(Continued from page 21)

capacity in each live line. If the condensers are to be connected to two-phase or three-phase circuits of not greater than 600 volts, one condenser may be connected from each live line to ground and installed with fuses as stated above.

As these condensers contain wax, they should not be placed where they may be subjected to excessive heat. Condensers when connected to a circuit as stated above have no objectionable effect on the circuit, or the operation of any electrical associated apparatus.

Condensers of the Tobe Deutschmann or similar type of 1 mfd., 1,000 volts direct current, are suitable for installing in metal boxes as described above.

In many cases it is possible to make slight changes in the connections of the electrical apparatus causing the surge, in order to use some existing apparatus such as a choke coil and thus prevent the necessity of adding additional chokes to the system.

A series commutator motor, causing a surge of sparking at the brushes, may have its leads reversed to reduce the Radio interference. Where one wire is grounded, Radio interference from such a motor is often reduced by reversing the leads supplying the motor, so that the brushes are connected to the ground side of the line and the field coil is connected to the live side of the line. In this case, the field coil is used as a choke. It may also be necessary to place a condenser of one or two microfarads capacity across the brushes. See figure 17.

In cases where neither side of the line is grounded, a choke may be inserted on the line connected directly to one of the brushes, while the field coil may act as a choke in the other line. In such a case it is recommended to use two 2-microfarad condensers in series with the ground at the middle point according to the diagram, figure 18.

Where it is not convenient to make connections with the brushes of a motor, the condenser may be placed across the line as near the motor as possible, and a choke coil inserted in the live line, when necessary. Instructions for the installation of these units were given above. The live side of a low voltage lighting circuit may be determined by means of a test lamp connected from ground, first to one wire and then to the other. The lamp will light when connected from the live line to ground.

Battery Chargers and Sign Flashers

A battery charger of the vibrator type may be prevented from causing interference by connecting a condenser of ½ microfarad capacity across the vibrating contacts. It is useless to put condensers across the mains serving battery chargers, but it is essential to make use of the choke consisting of the wire and coil within the battery charger, to prevent the surge from getting out on the line.

Flashing electric signs may usually be prevented from causing interference by connecting condensers from ½ to 2 microfarads capacity across the contacts of the circuit breaker. As the Radio interference from such sources depends upon the conditions of the installation, it is necessary to make a few experiments, as suggested in our previous issue, in each case, in order to reduce the interference most effectively.

Sometimes the interference from such a sign is caused by sparking at the commutator of the motor which drives the flasher. This may readily be determined by the nature of the sound in the Radio receiver and can be remedied with the method described for dealing with interference from commutator motors.

Internal combustion engine ignition systems may cause Radio interference, but this is usually of a very local nature. Such, however, may be considerably reduced by making the leads from the magneto or spark coil to the engine as short as possible and running them in a grounded shield such as metal conduit or lead covered cable. The frame of the engine, magneto, and all shields, should be thoroughly grounded.

(In next week's article, the construction of a portable receiver suitable for locating interference will be described and suggestions for its use will be given. The devise should prove valuable to Radio clubs and organizations who are making efforts to elminate sources of interference.—Editor's note.)

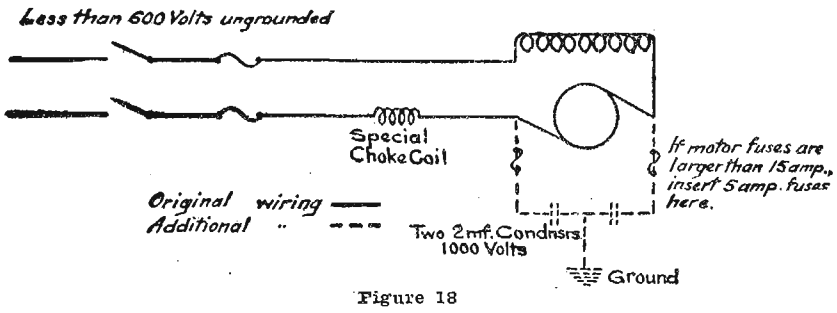


Figure 18

CLASSIFIED ADVERTISEMENTS

AGENTS WANTED

Sell Marvelous New Radio Invention That Improves summer reception 100%. Effarsee marvel inside antennae gives better tone, greater selectivity, less static. Sells to every radio owner for only $4.00. Write today. Fishwick Radio Co., 136 W. Central Parkway, Cincinnati, Ohio.

BLUE PRINTS

Super-Het, Ryan's Simplest Possible 7-Tube Set. Complete instructions, actual size template. How to make a loop. All for 50 cents. Book Dept., Radio Digest, 510 North Dearborn Street, Chicago.

SALESMEN WANTED

A PAYING POSITION OPEN to representative of character. Take orders shoeshosiery direct to wearer. Good income. Permanent. Write now. Tanners Shoe Mfg. Co., 3-717 C St., Boston, Mass.

AN ESTABLISHED MANUFACTURER WISHES TO INCREASE HIS SALES FORCE

and will consider applications for district Managers in New York State, Long Island, Connecticut, New Jersey, Pennsylvania. Intends to open branches in 20 towns. Under our plan of operation, we furnish the Radio Receiving sets and equipment, and make it possible for the applicant to start in business right away and make at least $2,500 per year income.

MR. FRANCK, 117 E. 24th St., New York, 11th floor

BUS BAR WIRE
Use COOK'S
We make a superior wire of pure copper
Every piece of Cook Bus Bar Wire is now plainly stamped "COOK'S"—your protection against substitutes.
It is finished square or round, properly tinned and correctly tempered for radio use.
Furnished in standard lengths of 2 feet.
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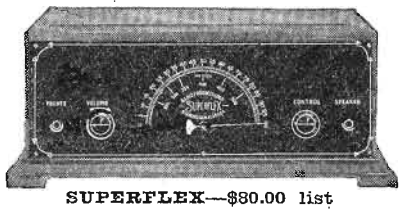
72 Ship Street Providence, R. I.
REPRESENTATIVES
A. ALLEN SMITH
304 E. Fourth St., Los Angeles, Cal.
WOOD & LANE CO.
915 Olive Street, St. Louis, Mo.
MR. W. I. OTIS
Rialto Building, San Francisco, Cal.
HARRY J. CAFFREY
51 East 42nd St., New York, N. Y.

It SEPARATES the STATIONS
One Dial (1 condenser)
GOES THRU STATIC



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Dealers—ask us WHY? Test a sample.
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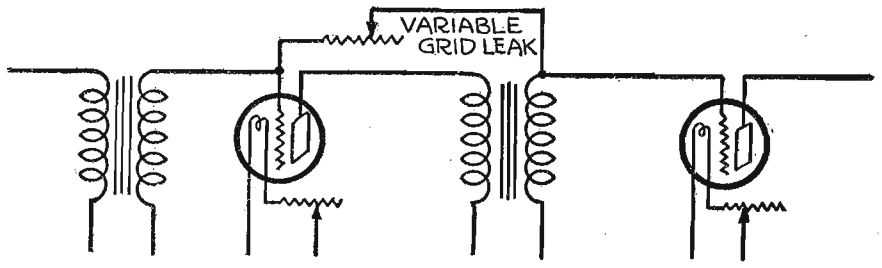
3816 N. 28th St. Birmingham, Alabama

Simplifies!
No guessing, less wiring and—no grief—with AMPERITE. Eliminates hand rheostats.
Specified in the Radio Digest Super-Torodyne. Price $1.10
Radiall Company
Dept. R.D.-1, 50 Franklin Street, New York City

Write for FREE Hook-ups
AMPERITE
REG. U.S. PAT. OFF.
The "SELF-ADJUSTING" Rheostat

KINK TO LESSEN SPEAKER NOISES



If you are troubled with various unwanted noises, try out this simple little experiment. In the accompanying sketch I show where an ordinary variable grid leak is connected between the grids of the last and preceding audio frequency tubes in order to control various kinds of distortion. I have found this arrangement most satisfactory. The resistance should be set at its lowest value and then increased very slightly. If howling should occur, the secondary leads of one or both transformers should be changed over.—Joseph H. Stevenson, Oak Station, Pa.

NATIONAL DIALS
HAMMARLUND CONDENSERS
GENERAL RADIO PARTS
CARDWELL CONDENSERS
TRANSMITTING APPARATUS
MADISON-MOORE UNITS
Chicago Radio Apparatus Company, Inc.
415 South Dearborn Street, Chicago, Ill.
Harrison 2276-7.

Yale GROUND HOG
"The Perfect Ground" DOUBLES POWER AND DISTANCE
Marvelous newly-invented ground gives 100% improved reception. Doubles power and distance. Stops leakage. Reduces static. Stops jangling even in mid-summer. Results never before equalled, users say. Satisfaction Guaranteed.
Proven absolutely essential to clear, powerful distance reception. Draws and holds moisture indefinitely. Highly sensitive to radio energy.
SEND ND MONEY—To introduce, we offer to those who act at once, regular $5.00 size for only $2.00. Send name today and pay $2.00 plus 17c postage on delivery. Or send only $2.00 with order and save postage. FREE—Full description of Ground Hog and big money making agent's offer on request—write today.
Yale Specialty Supply Co.
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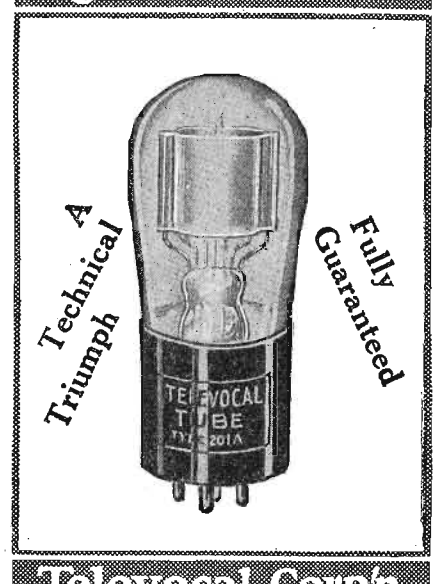
A&B Battery Charger ONLY $2

SATISFACTION GUARANTEED
Charges any type of storage A or B battery, using a few cents worth of ordinary house current. Works perfectly on either alternating or direct current. Cannot injure battery and lasts for years. May be used as a trickle charger. Complete directions enclosed — anyone can operate. No expensive "extras" to buy.
Why pay $10.00 to $18.00 for a charger when you can get this splendid GUARANTEED R. B. Charger by mailing us two dollars (bills, money order, check or stamps) plus 10c in stamps or coin to pay mailing costs. Charger will be sent postpaid. If you are not satisfied, return within five days and we will refund your money. Order at once—TODAY.
R. B. Specialty Company
308 East Third, Dept. 342, Cincinnati, Ohio

Televocal QUALITY TUBES



Televocal Corp'n
67 A Fifth Ave. — New York

A "RADEX" Tuning Chart
Shows by dial numbers, wave length to which set is tuned. Tells where to place dials for any station. Identifies programs received without announcement.
Adapted to any set
Send 25c Coin or Stamps
RADEX, Box 143-S, CLEVELAND, O.

Be the Jazz King Of Your Town!
Be popular. In demand everywhere. Have fun. Earn your welcome. Charm your friends with your
Buescher True Tone
SAXOPHONE
Teach yourself, 3 free lessons give you quick easy start. Try any instrument in your own home 6 days free. See what you can do. Easy terms if you decide to buy. Send now for beautiful free literature. A postal brings details.
Buescher Band Instrument Co. (4)
1524 Buescher Block Elkhart, Indiana

Gets Everything But Noise!
Read this convincing letter from a man who has "listened and marveled":
"Redlands, Cal., March 9.
Kane Antennae Co.
Gentlemen: My location is very bad, as I am entirely surrounded by high powered lines, but on putting up a Kane I found that my troubles were over. Before, I had but two stations I could depend upon, namely: KFI and KGO. The first night after installing a Kane, I received 14 long distance stations from 10:30 P. M. until about 11:15.
I can't say too much for your Antennae as it surely does its stuff. RUSSELL DEAN."
Improves Reception 60%
Entirely eliminates all power noises such as leaky transformers, generators, motor hums, Delco Plants, etc. Cuts static and regeneration howls and squeals in two. Dr. Gehrig of Oakland, Cal., says it improves his reception fully 60 percent. Do away forever with disagreeable noises.
$1.00 *Brings BLUE PRINT Complete Working Drawings*
and full instructions for erecting this wonderful Antennae. Just send $1.00 (a check will do. Stamps not accepted). A limited number available. Send TODAY.
KANE ANTENNAE CO.
Dept. 823E, 3034 W. Van Buren St., Chicago, Ill.
Dealers—Send at Once for Attractive Proposition.
KANE ANTENNAE

FOR CLEAR, QUIET "B" POWER

$2.75
RADIO Storage "B" Battery
12 Cells 24 Volts *Lasts Indefinitely—Pays for Itself*
Economy and performance unheard of before. Recharged at a negligible cost. Delivers unfailing power that is clear, pure and quiet. Approved and listed as Standard by leading Radio Authorities, including Pop. Radio Laboratories, Pop. Sci. Inst. Standards, Radio News Lab., Lefax, Inc., and other important institutions. Equipped with *Solid Rubber Case*, an insurance against acid and leakage. Extra heavy glass jars. Heavy rugged plates. Order yours today!
SEND NO MONEY Just state number of batteries wanted and we will ship day order is received. Extra offer: 4 batteries in series (96 volts), $10.50. Pay expressman after examining batteries. 5 per cent discount for cash with order. Mail your order now!
WORLD BATTERY COMPANY
1219 So. Wabash Ave., Dept. 76 Chicago, Ill.
Makers of the Famous World Radio "A" Storage Battery
Prices: 6-volt, 100 Amp. $11.25; 180 Amp. $13.85; 140 Amp. $14.00.
All equipped with Solid Rubber Case.
World STORAGE BATTERIES
Set your Radio Dials at 210 meters for the new 1000 watt World Storage Battery Station, WSBC, Chicago. Watch for announcements.
KDKA - WEAF - WGN - WJS - KHJ - KGO - KFAF - WJY - KGF

Radiophone Broadcasting Stations

Corrected Every Week—Part IV

FIND MISTAKES AND YOU'LL GET DOLLAR

ONE DOLLAR will be paid to the Radio fan reader of Radio Digest submitting the most errors in any one station's listing in the Directory of Radiophone Stations, which appears in six parts, serially continuously on the next to last page. Letters must reach Radio Digest's office not later than one week from date of issue corrected. Readers are not limited to correcting one station, but such corrections must be verified by the stations themselves, and NOT by comparison to other so-called accurate Radio directories or lists. Verifications must accompany corrections. Turn in corrections for as many stations as you can find—if you can find errors! Use separate sheet of paper for each station submitted and place name and address on each sheet. In case of tie, duplicate awards will be made.

United States (Cont'd)

NOTE.—The fourth part of the schedule list appears below. Part five appears next week.

WLIT, Philadelphia, Pa. 394.5m-760kc. 500 watts. Lit Bros. Announcer, Harry E. Ehrhart. Club, "Morning Glory." Daily ex Sun, 12:02 pm, music; 2, music. Mon, 4:30 pm, 7:30, 8, 10. Tues, 11 am. Wed, Thurs, 4:30 pm. Wed. 7:30 pm, 8, 10, 11. Fri, 7:30 pm, 8:45, 10. Eastern.

WLS, Chicago, Ill. 344.6m-870kc. 5,000 watts. Sears, Roebuck & Co. Slogan, "World's Largest Store." Announcer, Donald F. Malin. Daily ex Sun, 6:30-8 am, Y. M. C. A.; 9-1:30, half hour markets; 12-1 pm, music; 2, markets; 3-4, homemakers' hour. Daily ex Sun, Sat, 6-6:40, supper program; 6:40, organ. Tues, 7, lullaby time; 7:20, music. Wed, 7-12 midnight. Thurs 7 pm, 7:20. Friday, 7-12 midnight. Sat, 7-12 midnight. Sun, 6 pm, prelude; 7-7:55, WLS Little Brown church. Central.

WLSI, Providence, R. I. 440.9m-680kc. 500 watts. Lincoln Studios, Inc.

WLTS, Chicago, Ill. 258.5m-1160kc. 100 watts. Lane Technical High School. Fri, 1-2 pm. Central.

WLW, Cincinnati, Ohio. 422.3m-710kc. 5,000 watts. The Crosley Radio Corp. Announcer, William Stoess. Daily ex Sun, 10:45 am, 11:55, time; 1:30 pm. Daily ex Sun, Fri, 7, dinner hour; 6:55, markets. Daily ex Sat, Sun, 7:45 am, morning devotions; 8, exercises; 12:15, program; 3, 4, reports. Mon, Tues, 8-10 pm. Wed, Thurs, 10-12 midnight. Sun, 9:30 am, 11, 7:30 pm, 8:30. Central.

WLWL, New York, N. Y. 288.3m-1010kc. 3,500 watts. The Paulist League. Announcer, James F. Cronin. Slogan, "For God and Country." Mon, Tues, Wed, 9 pm. Thurs, 8:30 pm. Sun, 8 pm. Eastern.

WMAC, Cazenovia, N. Y. 275.1m-1090kc. 100 watts. C. B. Meredith. No definite schedule.

WMAF, South Dartmouth, Mass. 440.9m-680kc. 1,000 watts. Round Hills Radio Corp.

WMAK, Buffalo, N. Y. 265.3m-1130kc. 500 watts. Norton Laboratories, Inc. Announcer Kenneth Salisbury. Daily ex Sun, 7:15 pm, news. Tues, Thurs, Sat, 6:15-7:15 pm, dinner music. Mon, Sat, 7:30-11 pm. Wed, 7:30-10 pm. Sun, 10:25 am, church; 7:30 pm, church service. Eastern.

WMAL, Washington, D. C. 212.6m-1410kc. 100 watts. M. A. Leese Optical Co.

WMAN, Columbus, Ohio. 277.6m-1080kc. 50 watts. First Baptist church. Announcer, John Bohannan. Sun, 10:30-12 noon, 7:30-9 pm, church services. Eastern.

WMAQ, Chicago, Ill. 447.5m-670kc. 1,000 watts. The Chicago Daily News. Announcer, Roberty Whitney. Daily ex Sun, 12-3 pm, 4-7. Daily ex Sun, Mon, 8-10 pm. Central.

WMAY, St. Louis, Mo. 247.8m-1210kc. 100 watts. Kingshighway Presbyterian church. Slogan, "May Every By-Way Hear Kingshighway." Mon, 8 pm. Sun, 11 am, 8 pm. Central.

WMAZ, Macon, Ga. 260.7m-1150kc. 500 watts. Mercer University. Announcer, Carey O. Pickard. Mon, 9-11 pm. Wed, 10-12 mid. Fri, 9-11 pm. Eastern.

WMBB, Chicago, Ill. 249.9m-1200kc. 500 watts. American Bond & Mortgage Co.-Trianon. Announcer, Col. House. Slogan, "World's Most Beautiful Ballroom." Daily ex Sun, Mon, 7-8 pm, 9-11. Sun, 3-5 pm, 7:45-11. Central.

WMBC, Detroit, Mich. 256.3m-1170kc. 100 watts. Michigan Broadcasting Co. Mon, Tues, Wed, 10 pm. Sun, Thurs, Fri, 8 pm. Eastern.

WMBF, Miami Beach, Fla. 384.4m-780kc. 500 watts. Fleetwood Hotel. Announcer, Ed Kampf. Daily, 7-8 pm, dinner concert; 8-9, 10-1 am. Eastern.

WMC, Memphis, Tenn. 499.7m-600kc. 500 watts. The Commercial Appeal. Announcer, Francis S. Chamberlin. Slogan, "Station WMC, Memphis." "Down in Dixie." Club, "Midnight Frolic." Daily ex Sun, 9:45 am, 11:30, 2:30 pm, weather, markets, music. Daily ex Sun, Wed, 8:30 pm, program; Tues, Fri, 11 pm, Midnight Frolic. Sun, 11 am, church service. Central.

WMCA, New York, N. Y. 340.7m-880kc. 500 watts. Hotel McAlpin. Announcer, Snedden Weir. Slogan, "Where the White Way Begins." Daily, 6-12 midNight. Tues, 11-1 pm. Sun, 11-12:15 pm, 5-11. Eastern.

WMSG, New York, N. Y. 212.6m-1410ke. 500 watts. Madison Square Garden.

WNAB, Boston, Mass. 249.9m-1200kc. 100 watts. The Shepard Stores. Announcer, Anthony W. Kipeck. Daily ex Sun, 3-4 pm. Eastern.

WNAC, Boston, Mass. 280.2m-1070kc. 500 watts. The Shepard Stores. Announcer, John J. Fanning. Daily ex Sun, 10:30-11:30 am, 12:15-2 pm, 4-5, 6-7:30, 8-10. Sun, 11 am, 1:30-2:30 pm, 6:45-8:30. Eastern.

WNAD, Norman, Okla. 254.8m-1220kc. 500 watts. University of Oklahoma. Announcer, C. E. Bathe. Slogans, "Oklahoma"; "Voice of Sooner Land." Daily ex Sun, 9:15 pm, weather, news. Mon, Tues, Wed, 7 pm, talks, music. Daily ex Sun, Sat, 12:50-1:20 pm. Sun, 9:30-11 pm. Central.

WNAL, Omaha, Nebr. 258.5m-1160kc. 50 watts. Central High School. Announcer, Ronald J. Rockwell. Slogan, "Pioneer Broadcast of Omaha." Fri, Sat, 7:30-9 pm. Central.

WNAT, Philadelphia, Pa. 249.9m-1200kc. 100 watts. Lennig Bros. Co. Announcer, Jess Brinton Young. Slogan, "We Never Are Tired." Wed, 6:50 pm. Eastern.

WNAX, Yankton, S. D. 243.8m-1230kc. 100 watts. Dakota Radio Apparatus Co. Daily ex Sun, 11:30 am, markets, weather. Mon, Wed, Fri, 2:30-3:30 pm. Mon, Wed, 8:30-9:30 pm. Sun, 5-6 pm. Central.

WNBH, New Bedford, Mass. 247.8m-1210kc. 100 watts. New Bedford Hotel. Announcer, A. J. Lopez. Mon, 6-10 pm. Wed, Fri, 6-7 pm, 8-10. Sun, 11-12:15 pm, 4:30-5:30, 7-8:30. Eastern.

WNJ, Newark, N. J. 252m-1190kc. 150 watts. Radio Shop of Newark, Inc. Announcer, W. A. Bingenheimer. Slogan, "The Voice of Newark." Tues, Wed, Fri, Sat, Sun, 6-6:30 pm, 8:30-12 midnight, dance music. Eastern.

WNOX, Knoxville, Tenn. 267.7m-1120kc. 500 watts. Peoples Telephone & Telegraph Co.

WNYC, New York, N. Y. 526m-570kc. 1000 watts. New York Municipal Radio station. Announcer Tom Cowan. Slogan, "Municipal Broadcasting Station of The City of New York." Tues, Thurs, 7 pm, markets; 7:30 pm, 10:30, police; 7:35, entertainment; 10:30, weather. Mon, Wed, Fri, 6:10 pm, markets. Eastern.

WOAI, San Antonio, Tex. 394.5m-760kc. 2000 watts. Southern Equip. Co. (Evening News-Express). Announcer, J. G. Cummings. Slogan, "The Winter Playground of America, Where the Sunshine Spends the Winter." Daily ex Sun, 10 am, weather reports, news; 12:15 pm, 2:30, 3, 6:15. Tues, Wed, Thurs, Fri, 8:30-9:30 pm. Sun, 11 am, service; 7:30 pm, 9:30. Central.

WOAN, Lawrenceburg, Tenn. 282.8m-1060kc. 500 watts. James D. Vaughan. Announcer, James D. Vaughan. Daily ex Sat, 9-10 pm, concert. Central.

WOAW, Omaha, Neb. 526m-570kc. 1000 watts. Woodmen of the World. Announcer, Lester Palmer. Slogan, "The City Surrounded by the United States." Daily ex Sun, 8:15 am, 8:55, 10:30, 12:30 pm, 1:45, 4, markets. Daily ex Sun, Sat, 12:45 pm. Daily ex Sun, Wed, 6-7:30, 9-11. Sat, 11-12 midnight, dance. Sun, 9-10:45 am, 1:30 pm, 2:30-4 pm, 6, 9. Central.

WOAX, Trenton, N. J. 239.9m-1250kc. 500 watts. F. J. Wolff. Slogan, "Trenton Makes; the World Takes." Daily ex Sun, 12:15-12:30 pm, 6-7. Tues, 8:30-10 pm. Fri, 8:30-10 pm, music. Sun, 9:30-11 pm. Eastern.

WOC, Davenport, Iowa. 483.6m-620kc. 5,000 watts. The Palmer School of Chiropractic. Slogan, "Where the West Begins and in the State Where the Tall Corn Grows." Daily ex Sat, Sun, 12:15 pm, weather, Radio Farm school; 1:55 pm, time; 2, closing markets; 3, home hour; 5:45, chimes, 6, bulletins, Tues, 6:30-7 pm, 7-9; New York program, 9-10. Wed, 4-4:45 pm; 9-10:30. Thurs, 7-10 pm, 11-12. Fri, 4-5 pm. Crescent orchestra; 6:30, 7:30-11 pm. Sat, 12:55 pm, 1, 5:45, 6, 6:30, 9-10 pm; 11-12. Sun, 1-2:30 pm, 6:30-7 pm, church; 8:15-9:15, WEAF program; 10-11:30 pm. Central.

WOCL, Jamestown, N. Y. 275.1m-1090kc. 15 watts. Jamestown Furniture Market Assn. Announcer, W. A. McCutcheon. Slogan, "We're on Chautauqua Lake." Mon. 9-9:15, 9:15-12 midnight. Sun, 10:30 am, 7:30-9. Eastern.

WODA, Patterson, N. J. 223.7m-1340kc. 500 watts. O'Dea Temple of Music. Slogan, "A Voice from the Silk City." Daily ex Sun, 12-1 pm; 5-7, 8:30-11. Eastern.

WOI, Ames, Iowa. 270.1m-1110kc. 750 watts. Iowa State College. Announcer, A. G. Woolfrtes. Daily ex Sun, 9:30 am, weather reports; 10:30, 12:30 pm, chimes, market, weather, educational talks; 9:30, weather. Tues, Thurs, 10:30 am, homemakers hour. Mon, Thurs, 7:30 pm. Central.

WOK, Homewood, Ill. 217.3m-1380kc. 5,000 watts. Neutrowound Radio Mfg. Co. Announcer, George W. Allen. Daily ex Sun, Mon, 5-7 pm; 10-1:30, Sun, 1-2 pm, 6-1. Central.

WOKO, New York, N. Y. 232.4m-1290kc. 50 watts. The Dyckman Radio Shop. Announcer, Oscar H. Sherrane. Mon, Thurs, Sat, 8-12 pm. Eastern.

WOO, Philadelphia, Pa. 508.2m-590kc. 500 watts. John Wanamaker; Announcer, Jos. N. Nassau. Daily ex Sun, 11 am, organ recital; 11:55, time; 12-1 pm, concert; 4:30, weather; 4:45, organ recital; 7:30, police reports; 9:55, time; 10:02, weather. Mon, Wed, Fri, 7:30-11 pm, music, concert. Sun, 2:30 pm, Sunday school; 6, organ recital; alternate am and pm services, 9:15, alternate Sundays. Eastern.

WOOD, Grand Rapids, Mich. 241.8m-1240kc. 1,000 watts. Hotel Rowe. Announcer, Maurice Wetzel. Slogan, "The Furniture Capital of America." Daily ex Sun, 10 am, weather. Mon, 9-1 am. Tues, Wed, Fri, Sat, 9-12 midnight. Central.

WOQ, Kansas City, Mo. 277.6m-1080kc. 1,000 watts. Unity School of Christianity. Tues, 8-9 pm. Thurs, 7-7:45 pm, 7:45-9, Sat, 8-9 pm, 10-11 pm. Sun, 11 am, 7-9:15 pm. Central.

WOR, Newark, N. J. 405.2m-740kc. 500 watts. L. Bamberger & Co. Announcer, J. M. Barnett. Daily ex Sun, 6:45, 2:30-4 pm. Mon, Wed, Sat, 6:15-12 midnight. Tues, Thurs, Fri, 6:15-7:30 pm. Eastern.

WORD, Batavia, Ill. 275.1m-1090kc. 5,000 watts. Peoples Pulpit association. Announcer, B. M. Rice. Slogan, "Watchtower Station WORD." Tues, Wed, Fri, 7-8 pm; 9-10, 11-12. Thurs, 8-10 pm. Sat, 7-8 pm, 9-10. Sun, 2:30-4 pm, 7-8, 9-10:30. Central.

WOS, Jefferson City, Mo. 440.9m-680kc. 500 watts. Missouri State Marketing Bureau. Slogan, "Watch Our State." Daily ex Sun, first 15 min. of every hour from 9 am-2 pm, markets; 7, N. Y. stock and bond markets. Mon, Wed, Fri, 8-10 pm, concert. Sun, 9:30-10:30 am, services; 5 pm, vesper; 7:30-9, church service. Central.

WOWL, New Orleans, La. 270.1m-1110kc. 10 watts. Owl Battery company. Slogan, "Where Owl Batteries Are Made."

WOWO, Fort Wayne, Ind. 227m-1320kc. 500 watts. Main Auto Supply Co. Daily ex Sat, Sun, 12-1 pm. Mon, Thurs, 8-12 midnight. Wed, 7:15-12 midnight. Central.

WPAK, Fargo, N. D. 275.1m-1090kc. 100 watts. N. D. Agricultural College. Announcer, Gordon Laing. Mon, Wed, Fri, 7:30 pm. Central.

WPCC, Chicago, Ill. 258.5m-1160kc. 500 watts. North Shore Congregational church. Announcer, Rev. J. C. O'Hair. Wed, 7-8 pm. Fri, 7:30-9 pm. Sun, 11-12:30 pm; 3:30-5, 8, service. Central.

WPDQ, Buffalo, N. Y. 205.4m-1460kc. Hiram L. Turner.

WPG, Atlantic City, N. J. 299.8m-1000kc. 500 watts. Municipality of Atlantic City. Slogan, "World's Playgrounds." Mon, Tues, Fri, 7 pm. Tues, Thurs, Fri, Sat, 9 pm; 10, classics. Mon, 8 pm, Thurs, 11 pm. Sat, 6:30 pm, concert; 10, Sun, 3:15 pm, organ; 4:15, service; 10, service. Eastern.

WPRC, Harrisburg, Pa. 215.7m-1390kc. 100 watts. Wilson Printing & Radio Co.

WPSC, State College, Pa. 260.7m-1150kc. 500 watts. Pa. State College. Slogan: "The Voice of the Nittany Lion."

WQAA, Parksburg, Pa. 220.4m-1360kc. 500 watts. Horace A. Beale, Jr. Temporarily discontinued.

WQAC, Amarillo, Tex. 234.2m-1280kc. 100 watts. Gish Radio Service. Daily ex Sun, 10 am, 12 n, 7 pm. Sun, 11 am. Central.

WQAE, Springfield, Vt. 245.8m-1220kc. 50 watts. Moore Radio News Station. Announcer, Ernest S. Newell. Slogan, "The Pioneer Broadcasting Station of Vermont." Sat, 11-1 am. Sun, 10:30 am, church service; 7 pm, service. Eastern.

WQAM, Miami, Fla. 263m-1140kc. 100 watts. Electrical Equip. Co. Announcer, Frederick W. Mizer. Slogan, "The Most Southern Radiocasting Station in U. S." Daily ex Sun, 6-6:30 pm; 10:30-12:30. Wed, Sat, 7:30-9 pm. Sun, 10:45-12 noon, 3-4:30 pm, 7:30-9. Eastern.

WQAN, Scranton, Pa. 249.9m-1200kc. 100 watts. Scranton Times. Announcer, T. V. Nealon. Slogan, "The Voice of the Anthracite." Daily ex Sun, 12:30-1 pm, 4:30-5, news, reports, sports, music. Tues, Fri, 8 pm, entertainment. Sat, 10-12 midnight, dance music. Eastern.

WQAO, New York, N. Y. 361.2m-830kc. 500 watts. Calvary Baptist Church. Slogan: "The First Church Owned and Operated Broadcasting Station in the World." Wed, 8 pm, church service. Sun, 11:30 am, 3 pm, 7:30, church services. Eastern.

WQJ, Chicago, Ill. 447.5m-670kc. 500 watts. Calumet Baking Powder company-Rainbo Gardens. Announcer, Jerry Sullivan. Daily ex Sun, 11-12 m., women's hour. Daily, 3-4 pm. Daily ex Sun, Mon, 7-8 pm, 10-2 am. Sat, 11-12 m. 3-4 pm, 7-8, 10-3. Mon. 11-12 m, 3-4. Sun, 9:30 am, service; 3-4 pm, 8-10. Central.

WRAF, La Porte, Ind. 223.7m-1340kc. 100 watts. Radio Club, Inc. Announcer, Charles Middleton. Slogan, "The Voice of the Maple City." Mon, Thurs, Sun, 10:15 am, service; 8:30 pm. Central.

WRAK, Escanaba, Mich. 256.3m-1170kc. 100 watts. Economy Light Company. Announcer, H. E. Flath. Slogan, "The Gateway to Cloverland." Mon, Fri, 8:30 pm. Eastern.

WRAM, Galesburg, Ill. 243.8m-1230kc. 100 watts. Lombard College. Mon, 7-11 pm. Central.

WRAV, Yellow Springs, Ohio. 263m-1140kc. 100 watts. Antioch College. Announcer, Charles Hoffman. Wed, 8 pm, music; 9, educational. Sun, 7 pm. Central.

WRAW, Reading, Pa. 238m-1260kc. 10 watts. Avenue Radio & Elec. Shop. Slogan, "The Schuylkill Valley Echo." Announcer, C. M. Chafey. Tues, 9-11 pm. Thurs, 10-12. Eastern.

WRAX, Gloucester City, N. J. 267.7m-1120kc. 500 watts. Flexon's Garage. Announcer, A. D. Flexon.

WRBC, Valparaiso, Ind. 277.6m-1080kc. 500 watts. Immanuel Lutheran church. Announcer, Forrest Jones. Slogan, "World Redeemed by Christ." Mon, 7:30 pm. Wed, 7-8 pm. Sun, 7:30 pm, church service. Central.

WRC, Washington, D. C. 468.5m-640kc. 1000 watts. Radio Corp'n of America. Announcer, Norman Brokenshire. Slogan, "The Voice of the Capital." Mon, Wed, Fri, 10 am-6:30 pm. Tues, Thurs, Sat, 10 am-12, midnight. Eastern.

WRCO, Raleigh, N. C. 252m-1190kc. 100 watts. Wynne Radio Co. Mon, Fri, 7-8 pm. Wed, 9-10 pm. Sun, 10:45 am; 1 pm. Eastern.

WREC, Coldwater, Miss. 254.1m-1180kc. 10 watts. Wooten's Radio & Elec. Co. Announcer, S. D. Wooten. Slogan, "The Most Powerful 10-Watt Station in the World." Sat, 9:30-10:30 pm; Sun, 4-5 pm. Central.

WREO, Lansing, Mich. 285.5m-1050kc. 500 watts. Reo Motor Car Co. Announcer, Roy E. Davis. Slogan, "Watch Reo." Daily ex Sun, 6-7 pm, dinner concert. Tues, Thurs, 8:15-10 pm. Sat, 10-12 midnight. Sun, 10 am, chimes; 10:30 am, 7:30 pm, church. Eastern.

WRHF, Washington, D. C. 256.3m-1170kc. Washington Radio Hospital fund.

WRHM, Minneapolis, Minn. 252m-1190kc. 50 watts. Rosedale Hospital, Inc. Announcer, Troy S. Miller. Tues, 11 pm. Wed, 9-11 pm, music. Sun, 9:30 am, 2 pm, 9:30. Central.

WRK, Hamilton, Ohio. 270.1m-1110kc. 200 watts. Doron Bros. Elec. Co. Slogan, "The Oldest Station in Existence." Sun, 10:15 am, church services. Central.

WRM, Urbana, Ill. 272.6m-1100kc. 500 watts. Univ. of Ill. Tues, 7-8 pm, musical. Sun, 4 pm, organ. Central.

WRMU, New York, N. Y. 236 meters. 100 watts. A. H. Grebe & Co., Inc. Motor Yacht "MU-1."

WRNY, New York, N. Y. 258.5m-1050kc. 500 watts. Experimenter Pub. Co. Daily ex Sun, 12 noon, 1:30 pm, 6:59-11. Sun, 1-2 am, 3 pm, 4, 8. Eastern.

WRR, Dallas, Texas. 245.8m-1220kc. 500 watts. City of Dallas. Announcer, John Thorwald. Slogan, "City of Achievements." Daily ex Sun, Wed, 12-1 pm; 5-5:30, 6-7, 8-9. Mon, 11-12 midnight. Tues, Fri, 11-12 midnight. Wed, 5-5:30 pm. Sat, 12-1 am. Central.

WRST, Bay Shore, N. Y. 215.7m-1390kc. 250 watts. Radiotel Mfg. Co., Inc. Slogan, "Radiotel on the Sunrise Trail." Daily ex Sun, 12-1 pm; 7-11. Sun, 10-12 m, 4-6, 8-11. Eastern.

WRVA, Richmond, Va. 256.3m-1170kc. 1,000 watts. Larus & Bro. Co., Inc. Announcer, Elmer G. Hoelzle. Slogan, "Carry Me Back to Ole Virginny." Mon, Wed, Thurs, 8-11 pm. Tues, 11-1 am. Fri, 7-11 pm. Eastern.

WRW, Tarrytown, N. Y. 272.6m-1100kc. 500 watts. Tarrytown Radio Research Laboratory. Announcer, Frederick Koenig. Slogan, "Westchester County's Broadcasting Station." Daily ex Sun, Wed, 9-11:30 pm. Mon, 7-8 pm. Wed, 10-11:30 pm. Sun, 8-9 pm, 10:30-11:30. Eastern.

WSAI, Cincinnati, Ohio. 325.9m-920kc. 5,000 watts. United States Playing Card Co. Announcer, P. A. Greene. Mon, 10-12 m. Tues, 5:30-10; 12-1. Wed, 7:30-12 midnight. Thurs, 6:30-10 pm. Sat, 7-10 pm; 12-1:30. Sun, 3-4:30 pm; 7:45-10:15, 8-10 pm. Central.

WSAJ, Grove City, Pa. 228.9m-1310kc. 250 watts. Grove City College. Horace Montgomery, activities. Wed, 7:30-9 pm, music, irregular programs. Eastern.

WSAN, Allentown, Pa. 228.9m-1310kc. 100 watts. Allentown Call Pub. Co. Announcer, C. Fred Ritter. Tues, Thurs, 8:15 pm. Sat, 8:15 pm, 11:30. Eastern.

WSAR, Fall River, Mass. 254.1m-1180kc. 100 watts. Doughty & Welch Elec. Co., Inc. Announcer, Wm. A. McGrath. Daily ex Sun, 12-1 pm. Mon, Wed, Fri, 5-6 pm. Sun, 10:30-12 m. Eastern.

WSAX, Chicago, Ill. 267.7m-1120kc. 100 watts. Zenith Radio Corp. (Portable).

WSAZ, Pomeroy, Ohio. 243.8m-1230kc. 50 watts. Chase Elec. Shop. Announcer, Glenn E. Chase. Sat, 2 pm. Sun, 10:30 am, 2:30 pm. Eastern.

WSB, Atlanta, Ga. 428.3m-700kc. 1,000 watts. Atlanta Journal. Announcer, Lambdin Kay. Slogan, "The Voice of the South." Daily ex Sun, 12-1 pm, music, weather; 2:30, reports; 5, orchestra, 8-9, concert (ex Wed) 10:45-12, concert. Sun, 5-6, 7:30-9:15, church services. Central.

WSBC, Chicago, Ill. 209.7m-1430kc. 1000 watts. World Battery Co. Daily ex Sun, Mon, 6:30-8:30 pm; 10-1. Mon, 5:30-7 pm. Sat, 2-4 am. Sun, 6:30-8:30 pm, 10-1.

WSBF, St. Louis, Mo. 272.6m-1100kc. 250 watts. Stix Baer & Fuller Dry Goods Co. Announcer, Helen G. Hatfield. Daily, 12-12:30 pm, 3-3:30. Mon, Wed, Fri, 7:30-9 pm. Wed, 11-1 am. Thurs, 10-12 midnight. Sun, 9-10 pm. Central.

WSBT, South Bend, Ind. 275.1m-1090kc. 500 watts. South Bend Tribune. Announcer, C. G. Livengood. Mon, Wed, Fri, 7:15-9:30 pm, concert. Central.

WSDA, New York, N. Y. 263m-1140kc. 250 watts. City Temple. Thurs, 7:45-9:30 pm. Sat, 10:45-1 pm. Sun, 7:30-9:30 pm. Eastern.

WSKC, Bay City, Mich. 260.7m-1150kc. 100 watts. World's Star Knitting Co. Announcer, L. M. Nims. Slogan, "Where the Summer Trails Begin." Mon, Wed, 9-11 pm. Sat, 11-2 am. Eastern.

WSM, Nashville, Tenn. 282.8m-1060kc. 1,000 watts. National Life and Accident Insurance Company. Announcer, George Hay. Mon, Wed, Fri, 6:30-9 pm, 10-11. Tues, 10-12 mid. Sat, 6:30-12 mid. Sun, 10:30-12 noon, 7:30-9 pm. Central.

WSMB, New Orleans, La. 319m-940kc. 500 watts. Saenger Theaters, Inc., and The Maison Blanche Co., Daily ex Sun, 12:30-1:30 pm, 3:30-4:30, 6:30-7:30. Mon, Wed, Thurs, Sat, 8:30-10:30 pm. Sat, 12-1 am. Central.

WSMH, Owosso, Mich. 239.9m-1250kc. 30 watts. Shattuck Music House. Announcer, Don Shattuck. Wed, 8 pm. Sat, 10 pm. Sun, 10 am. Eastern.

WSMK, Dayton, Ohio. 275.1m-1090kc. 500 watts. S. M. Krohn, Jr. Slogan, "The Home of Aviation." Daily ex Sun, 12-1 pm; 4-4:30. Daily ex Sun, Tues, 6-7 pm. Sun, 8-12 mid. Central.

WSOE, Milwaukee, Wis. 245.8m-1220kc. 500 watts. School of Engineering of Milwaukee. Announcer, O. W. Meissner. Slogan, "In the Land of the Sky-blue Waters." Daily ex Sat, Sun, 5:25 pm, 5:30, 5:45, 6:05. Daily ex Sun, 9-10 pm. Tues, 7:30 pm; 8:45, Wed, 8:30 pm. Thurs, 8:30 pm; 8:45. Fri, 8:45 pm. Sat, 2 pm, reports; 2:05, 8:30, 9. Mon, 2 pm, cooking chat. Sun, 9:30 am; 11. Central.

WSRO, Hamilton, Ohio. 252m-1190kc. 100 watts. Radio Co. Announcer, Harry W. Fahrlander. Slogan, "We Sell Radio Only." Tues, Fri, 8-10 pm. Sun, 2-4 pm. Central.

WSSH, Boston, Mass. 260.7m-1150kc. 100 watts. Tremont Temple Baptist church. Announcer, Raymond B. Meader. Fri, 7:30-8:30 pm. Sun, 10:30 am; 6:30 pm, church service. Eastern.

WSUI, Iowa City, Iowa. 483.6m-620kc. 500 watts. Univ. of Iowa. Announcer, Carl Menzer. Mon, Tues, Wed, Thurs, Fri, 12:30-1 pm. Mon, 7:30 pm. Wed, 9-9:30 am; 7:30 pm. Alternate Mon, 4 pm. Sat, 7:30 pm. Sun, 9:30-10 pm. Central.

WSVS, Buffalo, N. Y. 218.8m-1370kc. 50 watts. Seneca Vocational School.

WSWS, Chicago, Ill. 275.1m-1090kc. 1,000 watts. S. W. Straus & Co. Daily ex Sun, 11-1 pm. Daily ex Sun, Mon, 6-7 pm, 8-9, 10-11. Tues, Thurs, Sat, 12-1 am. Sun, 11-12:30 pm, 3:30-5, 7-9:30. Central.

WTAB, Fall River, Mass. 265.3m-1130kc. 100 watts. Fall River Daily Herald. Daily ex Sun, Thurs, 6:15 pm. Mon, Thurs, 10:45 am. Tues, 7:30-9 pm. Thurs, 7:30 pm. Sun, 6:15 pm. Eastern.

WTAD, Carthage, Ill. 236.1m-1270kc. 50 watts. Robert E. Compton. Mon, 8-10 pm. Thurs, 9-11 pm. Central.

WTAG, Worcester, Mass. 267.7m-1120kc. 500 watts. Worcester Telegram. Announcer, Chester Gaylor. Slogan, "The Voice from the Heart of the Commonwealth." Daily ex Sun, 10:30-2 pm, music, reports; 4-5, music, stocks. Mon, Wed, Fri, 7:15 pm. Tues, Thurs, Sat, 5:15 pm. "The Twinkle-Twinkle Story Teller." Daily ex Sat, 8 pm. Eastern.

WTAL, Toledo, Ohio. 252m-1190kc. 10 watts. Toledo Radio & Elec. Co. Announcer, Reginald Baxter. Slogan, "The Gateway to the Sea." Daily ex Sun, 7:30 pm. Eastern.

WTAM, Cleveland, Ohio. 389.4m-770kc. 3,500 watts. Willard Storage Battery Co. Announcer, A. R. Herske. Slogan: "The Voice from the Storage Battery." Daily ex Sun, 12:15-1:30 pm, 6-7 pm, dinner program. Mon, 8-1 am, concert. Wed. 8-1 am. Sat, 8-12 midnight, dance. Eastern.

WTAP, Cambridge, Ill. 241.8m-1240kc. 100 watts. Cambridge Radio & Elec. Co. Announcer, B. Talbot.

WTAQ, Eau Claire, Wis. 254.1m-1180kc. 100 watts. C. S. Van Gorden. Announcer, Mrs. C. S. Van Gorden. Slogan: "The Voice of the Wilderness." Daily ex Sun, 10:30 am, 12:15 pm, 6:15, weather, markets; 6:30, code. Tues, 8 pm. Fri, Sun, 7:30 pm. Central.

WTAR, Norfolk, Va. 260.7m-1150kc. 100 watts. Reliance Electric Co. Announcer, J. K. Bohannon. Slogan, "Down in Old Virginia." Daily ex Sun, 6:15 pm, weather, markets, news. Fri, 8-9 pm, music. Eastern.

WTAW, College Station, Tex. 270.1m-1110kc. 500 watts. Agricultural and Mechanical College of Texas. Wed, Fri, 8 pm. Sun, 11 am. Central.

WTAX, Streator, Ill. 230.6m 1300kc. 50 watts. Williams Hardware Co., Radio Division. Announcer, N. B. Williams. Slogan: "Tappa Kegga Nails." Tues, 7-8 pm. Thurs, 8-12 mid. Sat, 8:30-10 pm. Central.

WTAZ, Lambertville, N. J. 260.7m-1150kc. 15 watts. Thomas J. McGuire. Mon, 8-10 pm, music. Eastern.

WTIC, Hartford, Conn. 475.9m-630kc. 500 watts. The Travelers Insurance Company. Slogan, "The Insurance City." Mon, 11 am, 1 pm, 6:30-12. Wed, 6:30-10 pm. Thurs, 6:30-7:30 pm. Fri, 11 am, 1 pm; 6:30-12. Sat, 6:30-11:30 pm. Sun, 9-10:15 pm. Eastern.

WWAD, Philadelphia, Pa. 249.9m-1200kc. 250 watts. Wright & Wright, Inc. Announcer, H. W. Feyhl. Slogan, "Penn City Station." Mon, 7:45 pm. Thurs, 7 pm. Every other Sun, 9:30 pm. Eastern.

WWAE, Plainfield, Ill. 241.8m-1240kc. 5,000 watts. Electric Park. Announcer, Harry B. Ohlhaver. Daily ex Sun, 12:30-1:30 pm; 9-12, midnight, orchestra. Sun, 10:50-12:15 pm, Methodist church; 3:30-4:30. pupular program. Central.

WWAO, Houghton, Mich. 263m-1140kc. 250 watts. Michigan College of Mines.

WWGL, Richmond Hill, N. Y. 212.6m-1410kc. 500 watts. Radio Engineering Corp.

WWI, Dearborn, Mich. 265.3m-1130kc. 500 watts. Ford Motor Co. Wed, 8-10 pm, music, lectures. Eastern.

WWJ, Detroit, Mich. 352.7m-850kc. 1,000 watts. The Detroit News. Announcer, E. L. Tyson. Mon, Wed, Fri, 7:30-8 am, 8-8:30 am, setting-up exercises; 9:30-9:45, household hints; 10:25-10:30, weather; 11:55-12, time; 12:05-12:45 pm, music; 3-3:55, music; 3:55, markets. Daily ex Sat, Sun, 6-7, dinner concert; 8, music. Mon, Wed, Fri, 9 pm, orchestra. Wed, 10 pm, orchestra. Sun, 11 am, church service; 2-3 pm, concert; 7:20, Capitol theater; 9:15, operatic stars. Eastern.

WWL, New Orleans, La. 275.1m-1090kc. 100 watts. Loyola Univ. Announcer, O. L. Abell. Sat, 7:30-8:30 pm. Central.

Canada

CFAC, Calgary, Alta. Can. 434.5m-690kc. 500 watts. Calgary Herald. Announcer, Fred Carleton. Daily ex Sun, 1 pm, news, markets, music. Mon, 9-10 pm. Tues, Wed, 8-9 pm. Thurs, 9-11 pm (CNRC), Fri, 7-8 pm. Mountain.

CFCA, Toronto, Ont., Can. 356.9m-840kc. 500 watts. Toronto Star. Announcer, E. J. Bowers. Daily ex Sun, 12 noon, weather, news, stocks; 5:30-6:10 pm, news. Wed, 8-10 pm, music, 11, dance. Thurs, 8-12, concert. Fri, 6:30-12 mid, CNRT. Sun, 11 am, 7 pm, church services. Eastern.

CFCF, Montreal, P. Q., Can. 410.7m-730kc. 1,650 watts. Canadian Marconi Co. Announcer, C. Walter Darling. Daily ex Sun, 12:45-1:40 pm, stocks, music, Mon, Fri, 7-7:30 pm, bedtime stories; 7:30-8:30, music; 9-10, 10:30-11:30, orchestra. Wed, 7-8 pm, orchestra. Eastern.

CFCH, Iroquois Falls, Ont., Can. 499.7m-600kc. 250 watts. Abitibi Power & Paper Co., Ltd. Slogan, "The Call of the North." Experimental station for forest protection.

CFCK, Edmonton, Alta., Can. 516.9m-580kc. 100 watts. Radio Supply Co., Ltd. Daily ex Sun, 4-5 pm. Wed, 9-10:30 pm. Sun, 4-5:30 pm. Mountain.

CFCN, Calgary, Alta., Can. 434.5m-690kc. 1,800 watts. W. W. Grant, Ltd. Slogan, "Voice of the Prairies." Tues, 11:30 pm, Bronco Busters; Wed, 9 pm, Fri, Sat, 10 pm, Sun, (alternate) 11 am, 7:30 pm, service. Mountain.

CFCQ, Vancouver, B. C. 410.7m-730kc. 10 watts. Sprott-Shaw Radio Co.

CFCT, Victoria, B. C., Can. 329.5m-910kc. 500 watts. The Deaville Station. Slogan, "The Mecca of Tourists." Wed, Fri, 8-9:30 pm. Every second Thurs, 10:30 pm, 12 mid. Night Birds, Sat, 10-11 pm. Sun, 11 am, 3 pm, 7:30. 9:30, organ. Pacific.

CFCU, Hamilton, Ont., Can. 340.7m-880kc. 500 watts. Jack V. Elliot, Ltd.

CFCY, Charlottetown, P. E. I. 312.3m-960kc. 50 watts. Island Radio Co.

CFDC, Vancouver, B. C., Can. 410.7m-730kc. 10 watts. Western Auto Elec. Co.

CFKC, Thorold, Ont., Can. 247.8m-1210kc. 75 watts. D. J. Fendell. Daily ex Sun, 12-12:30 pm; 5-6, Tues, Thurs, Sat, 8:30-10:30 pm. Sun, 11 am, church service; 2-4 pm, 8 pm, sacred concert, music.

CFMC, Kingston, Ont., Can. 267.7m-1120kc. 20 watts. Monarch Battery Co.

CFQC, Saskatoon, Sask., Can. 329.5m-910kc. 500 watts. The Electric Shop, Ltd. Announcer, Grant Stevenson. Slogan, "The Hub City of the West Where No. 1 Northern Hard Wheat Grows." Daily ex Sun, 9-10 am; 1:15-2 pm, markets, reports, music. Wed, 8-10 pm. Fri, 9-11:30 pm, dance program. Sun, 11 am, 7 pm, church service. Mountain.

CFRC, Kingston, Ont., Can. 267.7m-1120kc. 500 watts. Queen's University. Discontinued temporarily.

CFXC, New Westminster, B. C. 291.1m-1030kc. 50 watts. Westminster Trust Co. and Hume & Rumble, Ltd. Announcer, C. P. Rumble. Slogan, "Voice of the Fraser River." Mon, Wed, Sat, 7:30-8:30 pm. Pacific.

CFCY, Barnaby, B. C. 410.7m-730kc. 500 watts. Commercial Radio, Ltd. Slogan, "Canada's Flourishing Young City." Sun, 11 am, 7 pm. Atlantic.

CHCS, Hamilton, Ont., Can. 340.7m-880kc. 10 watts. Hamilton Spectator. Announcer, H. Earnshaw. Daily ex Sun, 6:45 pm, news, markets, baseball. Sat, 10-12 midnight, dance. Sun, 11 am, 7 pm. Eastern.

(The above listings complete the stations in the United States and part of the foreign broadcasters. Part V consists of a complete location index of stations and the remainder of the foreign list. This appears next week.)

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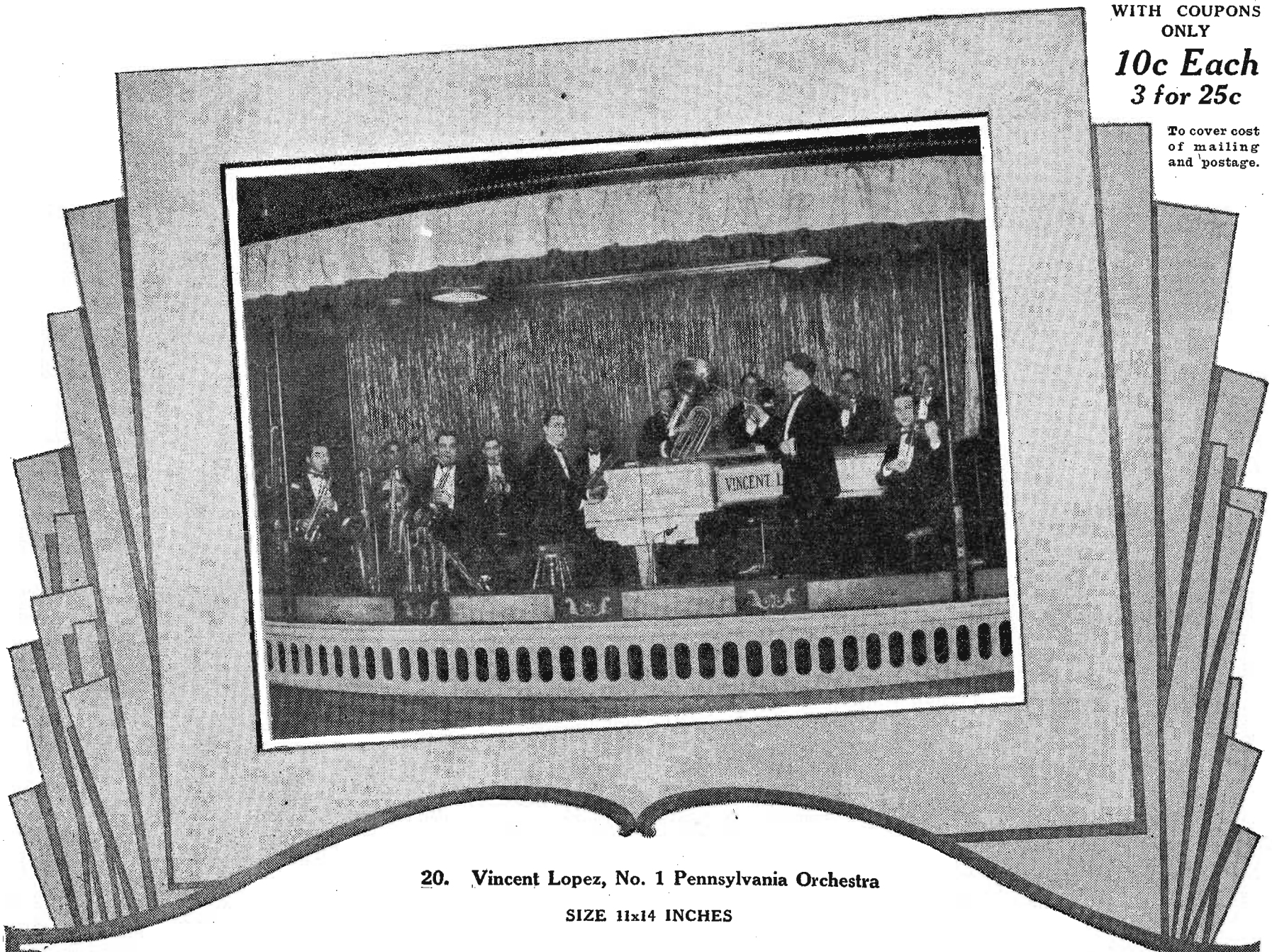

20. Vincent Lopez, No. 1 Pennsylvania Orchestra

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1 Wendell Hall, king of ukulele ditties
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3 Jack Little, popular wandering balladist
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5 Coon-Sanders' "Nighthawks" at KYW
6 George Hay, 1924 Gold Cup announcer
7 Harmony Girls, Edith Carpenter, Grace Ingram
8 Ford and Glenn, Lullaby Boys of WLS
9 "Roxy" Rothafel of WEAF chain fame
10 The Hired Hand, famous "Substitute 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 of WEAF
15 Lambdin Kay, "Little Colonel" of WSB
16 Leo Fitzpatrick, "Merry Old Chief," WJR
17 Henry Field, 1925 Gold Cup runner-up
18 Al Carney, organ favorite at WHT
20 Vincent Lopez, No. 1 Pennsylvania orchestra
21 E. L. Tyson, pleasing voice at WWJ
23 Art Gillham, "The Whispering Pianist"
24 Paul Greene, announcer at WSAI, "bridge voice"
25 Harry Ehrhart, "Dream Daddy" at 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 organist at WLS
32 Edna Adams, of KPRC
33 Pat Barnes, vaudeville announcer at WHT
38 Walter Wilson, "Uncle Bob" of KYW
40 Ray-O-Vac Twins, known country-wide
41 Art Linick, KYW's Mrs. Schlagenhauer
42 Fred Hamm of WTAS, now WLIB, fame
43 Meyer Davis' Le Paradis orchestra of WRC
46 D. R. P. Coats, 1925 Silver Cup announcer
47 Gene Rouse, WOAW's popular announcer
49 Iris Ruth Pavey, KOA's invisible stage beauty
51 Ipana Troubadours, on the WEAF Chain.

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