

New Sir... Lodge Set Stops Howl

Radio Digest

EVERY WEEK

INTERNATIONAL LIMITED

TEN CENTS

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No. 4 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.....

4-17-26

ONLY SEVENTY-EIGHT NAMES IN CUP RACE!

LISTENERS HAVE WIDE SELECTION IN 1926 AWARD

Who Will Be World's Champion Announcer This Year? Three Cups on Prize List

Seventy-eight favorite announcers, two of whom have voluntarily withdrawn, have been nominated by admiring listeners to participate in the third annual Radio Digest Gold Cup Award for the world's most popular announcer. The two withdrawn on their own initiative, are George Hay and Graham McNamee, winners of the 1924 and 1925 awards. They wish to establish a precedence by winning the last issue of the Gold Cup award.

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Announcer	Station
Konecky, Eugene.....	WOAW
Junkin, George.....	KMOX
Lane, Frank.....	KVOO
Locke, C. B.....	WBAP
May, Earl E.....	KMA
Malin, Donald.....	WLS
Markham, G. E.....	WGY
McArthur, Peter.....	WOC
McNamee, Graham (See footnote)	
Nelson, Ted.....	WMCA
Palmer, Lester.....	WOAW
Rouse, Gene.....	WOAW
Randall, Clyde R.....	WSMB
Ryan, A. W.....	CNRO
Ryan, Quin A.....	WGN
Ryan, George S.....	KDKA
Reid, Louis.....	WJZ
Rice, B. M.....	WORD
Swanson, Gus.....	WOAW
Schilling, John T.....	WHB
Squires, Eddie.....	WJAX
Stace, W. C.....	WLW

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.....

Announcer	Station
Stoess, W. C.....	WLW
Sullivan, Jerry.....	WQJ
Scroggin, G. G.....	KFEQ
Shannon, Spike.....	KDKA
Thompson, Roy F.....	WFBG
Tomy (Chief) C. D.....	WCX
Tison, Walter.....	WGHB
Tyson, E. L.....	WWJ
Turner, Hobb.....	KFKX
Wolfreese, Andy.....	WOI
Wall, W. C.....	WAPI
Wetzell, Maurice.....	WOOD

(Graham McNamee and George D. Hay, winners of the two previous Gold Cup Awards, have withdrawn from further participation in the cup awards, hence their names appear only for record in the above list. Do not send ballots marked with votes for either of these two announcers, as the votes will not be credited to anyone, but will be thrown out.—Editor's Note.)

A recent morning devotional service from KLDS, Independence, Mo., brought over a thousand cards and letters from listeners.

WHISPERING PIANIST YELLS AT IMITATORS

FEELS FLATTERED; ALSO "BURNED UP," HE SAYS

Art Gillham Calls Attention to Pioneering Efforts—Wants Listeners to Know Who Is Who

NEW YORK.—Art Gillham, the Whispering Pianist of Radio, arrived in New York recently, and brought with him a grievance that he picked up on his recent tour of the South and the Middle West.

"Imitation may be the sincerest of flattery," says Mr. Gillham when I go into a town and find me that I am imitated, and so, it just burns up. Art Gillham has a radio audience of confidential, which covered long old Drake highway in December necessary to shout into Gillham's

He was the first artist to sing songs in such a low standing in the studio not hear what was being said on his first tour of states in May, 1924 and to date has broadcast from 208 different stations.

Lambdin Kay, well-known announcer Station WSB, the Atlanta Journal, called Art Gillham "The Whispering Pianist" in an article on February 1924. Since then this billing has been used. Mr. Gillham's style has been successful that it has given rise to many imitators of his style. One artist, Gillham claims, has even gone so far to lift word for word the type of conversation Art uses in his introduction.

Carnegie Tech Will Offer Six-Week Course in Radio

PITTSBURGH.—As a result of the demand that has been developing during the past few years, a course in Radio communication, it is announced, is included in the plans for the summer session this year at the Carnegie Institute of Technology here. The college will give a six weeks' course from June 28 to August 6.

NEILANS FIND SALLY AND MAKE HER MIK

MARSHALL Neilan and his wife, Blanche Sweet, were looking for Mike when they sauntered well-known Los Angeles ball-rooms months ago. They sat watching a group of dancers sweep past at the same moment they were attracted on a frolicsome blonde curls bobbed on her serious head, whose sparkling eyes made a swirling circle

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Looking Ahead

and the Instinct of a Pair of New York News Whippets leads them into the tangled depths of a Fifth Avenue apartment where they contend against extreme odds to rescue beauty in a Fullerton beginning in

Big Double

OLIVER LODGE INVENTS "N" SET

NEWS BRIEFS FROM THE BROADCASTERS

NO AIR TIME LOST BY WPG INSTALLING SUPER SET

Dornberger's Replaces Coon-Sanders Orchestra at KYW—WEAN Has American Legion Program

WPG, municipal station of Atlantic City, N. J., is making an installation of a 5,000-watt superstation without interrupting its broadcasting service. No time on the air will be lost in transferring from the old 500-watt equipment to the new.

"The Phantom Violin," the ghostly old master who ever and anon comes to the WGN, Chicago, studio from the land of the shades, was heard there again last week. His identity is being kept secret, and his program usually includes popular favorites as well as classics.

Charles Dornberger's orchestra has taken the place of Coon-Sanders orchestra at the Congress hotel while the latter group of musicians, known for their broadcasts from KYW, goes on its annual tour.

"Round the Town with WDAF" is a feature added to the Kansas City Saturday nights from 8 to 10 p. m. The feature is made up of pickups from Kansas City clubs and dining rooms.

Music and American Legion program will be given on Thursday, April 15, at 7:30 p. m. Eastern time on WEAN; Shepard Stores, Music and addresses by Commander R. B. Little; and Executive Committee-man B. ... will be featured.

How to plant flowers and shrubs about your home this spring is told by WOC, Davenport, every Wednesday evening at 9:00 and Friday at 7:30 p. m. Central time.

BACH, 91 YEARS OLD, IS HONORED BY WSOE

MILWAUKEE. — When Christopher Bach, Milwaukee's own composer, wrote his three operas and twenty overtures, little did he realize that the time would come when he would sit at the fireplace in his own home and hear selections coming over the air and dedicated to himself on his birthday.

WSOE, the School of Engineering station, here, recently gave a special program in commemoration of the ninety-first birthday of this famous composer. The program featured the music written by Mr. Bach.

A feature of the program was the cello selections by Hugo Bach, a son of the composer, while many of the Bach overtures were played by Pestalozzi's string quartet. Al Nitz, musical director of WSOE, and Katherine Kies Hardtke, pianist, also participated.

A tribute to the composer was paid by F. A. Vaughn, manager of the station, while telegrams from many parts of the country were received congratulating Mr. Bach on his birthday.

FAMOUS ENGLISHMAN CLAIMS NEW RECEIVER CANNOT BLOOP

Device Is Product of Three Years' Laboratory Experiments—Does Not Rely on Tuned Aerial—Circuit Details Are Kept Secret

By A. C. Blackall

LONDON, Eng.—A problem which has completely baffled Radio experts the world over for years past—how to do away with the howler or "blooper"—has been completely solved by Sir Oliver Lodge, the world-famous physicist and Radio pioneer.

Sir Oliver's epoch-making discovery will ensure perfect reception without aerial tuning, and will thus avoid the use of regeneration. It will not add to the cost of new sets, but will mean the alteration of existing receivers.

Sir Oliver has been working on his great invention in secret for nearly three years in his laboratory at Egham, Surrey. Briefly, his discovery consists of a set which cannot be made to bloop.

Eliminates Tuning He Invented

The change by which this result has been brought about is a comparatively small one, but it is not a change that can easily be incorporated in existing receivers, as these sets are relying on a tuned aerial and must howl when there is too much regeneration.

Sir Oliver, who introduced tuning to the world, and thus made Radio communication possible without chaos, has now taken it away again. By dispensing altogether with the tuned aerial he has abolished blooping.

When Sir Oliver filed papers on his new invention he found, as so often happens, that another man had been working along almost precisely the same lines—a Mr. Melinski. He approached Sir Oliver, and the two are now working as partners, with the interesting result that Mr. Melinski has evolved a supplementary patent of great value.

Invention Will Cheapen Receivers

Sir Oliver's great discovery is known as the "N" circuit. The first set under the new principle is still in the stage of perfection. All tests have been made with a one tube set.

The invention may not be applicable to crystal sets. On a set only one control—that of the "N" system—is required. The "N" replaces reaction is controlled automatically.

As regeneration, coupled with automatic tuning involves a royalty of \$3

MUZIO'S SOPRANO VOICE IS LIKED



Claudio Muzio is one soprano listeners can tune in without fear. They have heard her many times over the air, the most recent occasion being her appearance over the WEAF chain in an Atwater Kent hour. Her chief work is that of leading soprano for the Chicago Civic Opera company.



Coy, shy Irene Downing, above, is a much applauded pianist and organist who delights the Crosley WLW audience with her ability. Her artistry is a regular feature of the Cincinnati superpower station.

The feature will continue throughout April.

KTNT, the Calliophone station at Muscatine, Ia., has inaugurated a correspondence club for lonesome men and women of all ages. Excerpts from the letters are read over the air nightly at 9:30 p. m. Central time.

WCAU Entertains British Guiana

PHILADELPHIA.—Georgetown, Demerara, British Guiana, reports successful reception of WCAU, Philadelphia. Besides hearing the Philadelphia station, the listener heard WMBF, Miami, Fla., and relayed WMBF's program to several friends through the Georgetown telephone exchange.



Hugh Fullerton

Hugh Fullerton WRITES "Big Rabbit" FOR RADIO DIGEST

THE Big Rabbit ?????? Hugh Fullerton, famous author, sports expert and magazine writer hits a new and broader stride in a brand new love story with a powerful romantic theme which will begin in next week's Radio Digest.

It's a story of the South, but quite different in treatment than anything ever written before of this land of romance. The Big Rabbit deals with negro fanatical superstition, bringing out tragedy and comedy by turns.

Fullerton shows he understands emotions that rise higher than the shouts of the bleachers. He shows that a New York news hound has the same instincts in a maze of alleys or a Florida jungle and can stick to a trail that seems hopelessly baffling. And with love waiting there as an added incentive—

Imagine the thrills. There's a leap and a jump on every page, with the life of a beautiful Georgia peach in the balance.

Yes, you'll agree that Hugh Fullerton has a place in the purely fiction field when you read this story which will be found only in Radio Digest. Do not miss the opening chapters in the next issue, April 24.



It won't be long now, until Lorraine Allen, above, is graduated from the University of Arkansas, for she's a senior. Her talent at the piano of KUOA, Fayetteville, Ark., has earned for her the title of "Queen of the Ivories."

In England, the elimination of regeneration will lead to cheaper receivers, as the other device can be dispensed with.

The "N" circuit is simple and capable of construction by any fan.

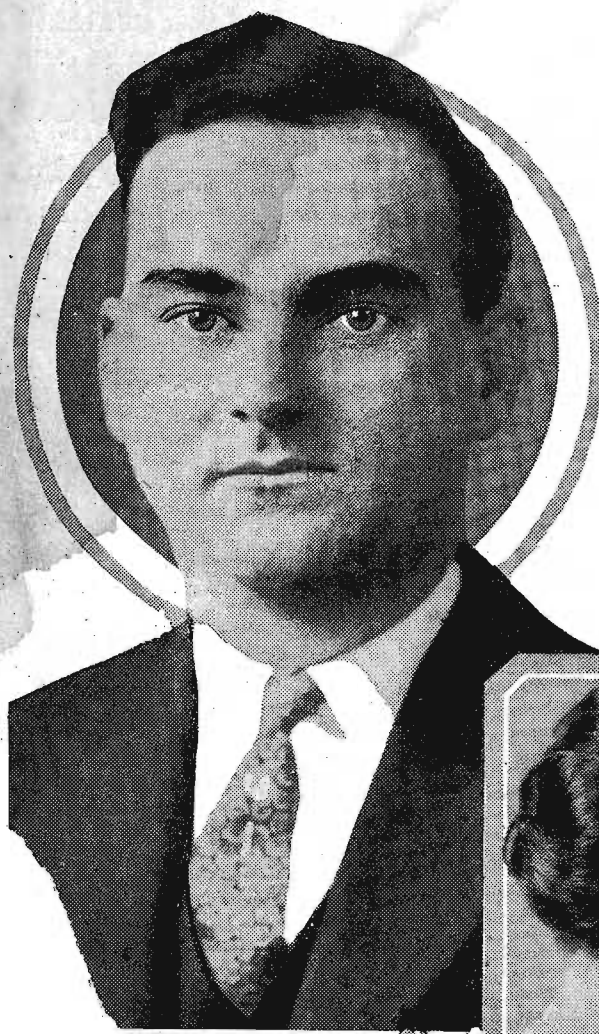
Sir Oliver's definite claim for the invention is that it eliminates regeneration control and makes blooping impossible, but at the same time retains the feedback effect, so that the detector tube works with maximum efficiency.

The many tests that have taken place leave no room for doubt that the device for which everybody is in search has been found. The users of the new set must be prepared to make very delicate adjustment, and this may be rather trying.

Sir Oliver states that he will soon make known the results of his work.

"Welcome to Pensacola," WCOA

"Wonderful City of Advantages" Sends Mayor and City Treasurer to Washington When Other Appeals for Wave Allotment Fail. Public Servant Likes Job—Labors for Love.



ture on broadcasting apparatus. All was set for the purchase of a station in October, when it was found that Secretary Hoover had no available wave lengths to allot. The city commissioners were staggered for the moment, but they did not give up.

The story is well told by Celia Myrover Robinson's magazine, Florida On the Gulf, as follows:

"So Mayor J. Harvey Bayliss and City Clerk John E. Frenkel made a trip to Atlanta, and there met W. Van Nostrand, Jr., supervisor of Radio for the southeastern district, who accompanied them to Washington, where the Florida representatives, Senator Duncan U. Fletcher and Congressman J.

H. Smithwick helped them to get in conference with the powers that be. Permission was granted to the city of Pensacola then to install WCOA—one of the finest broadcasting stations in the United States, which three times a week will tell the world about Pensacola, "Wonderful City of Advantages." The magazine itself thrills with the ardor of youth and at the same time breathes a dignity worthy of the oldest city in the United States and continues:

"MONDAYS, Wednesdays and Fridays, if you will listen, you will hear Pensacola calling . . . to tell the world of this wonderful city of opportunities—a city with the largest naval air training school in the world, the only modern fortifications on the Gulf coast, old and historic forts, the purest water in the United States, the biggest red snapper business in the world and the best port in the South.

"It will tell about the advantages of Escambia county, which has had the greatest increase in farms during the past few years of any county in Florida; where one man cleared \$2,100 in Satsuma oranges on two and one-half acres of land last fall; where anything in the world may be grown; where the rainfall is plentiful and summer or winter life is a joy."

WCOA took the air during the early part of last February, on a 222 meter wave length. It is well equipped with the very latest improvements and makes the most of its 500 watts power.

Mr. Frenkel volunteered as public servant to sponsor the station as a city institution. He not only assumed responsibility for its physical well being, but he took charge of the programs. Having a good voice himself, he has not neglected the musical phase of the broadcasting. Others than Mr. Frenkel have taken local pride in their station and volunteered cooperation with talent so that the entertainments have been diversified and universally interesting with never a dull program since the opening.

The studio has been carefully constructed with an eye to the artistic as well as the acoustic. The draperies are of a light gray corduroy velvet, plaited and decorated with fringe and tassels. The ceiling is finished in the style of Louis XVI. This is emphasized by the great crystal chandelier, five tiers deep, which scintillates to the four corners of the room. At one end of the room against the gray background is a plaque with the WCOA letters standing out in clear relief in the dim light. The furniture is finished in burnt-orange and blue with a deep floss rug of blue to match. The piano is a Baldwin Artist Grand.

see about that," said Bayliss (above) as he was in Washington for a wave length. That's why you are able now to hear Anita O. Villar (right) singing over WCOA.



By HAROLD P. BROWN

MR. JOHN E. FRENKEL of Pensacola, Florida, is a public servant who likes his job so well he isn't satisfied with an ordinary day's work. He officiates as city treasurer and city clerk and after office hours conducts the municipal broadcasting station, WCOA, on his own time.

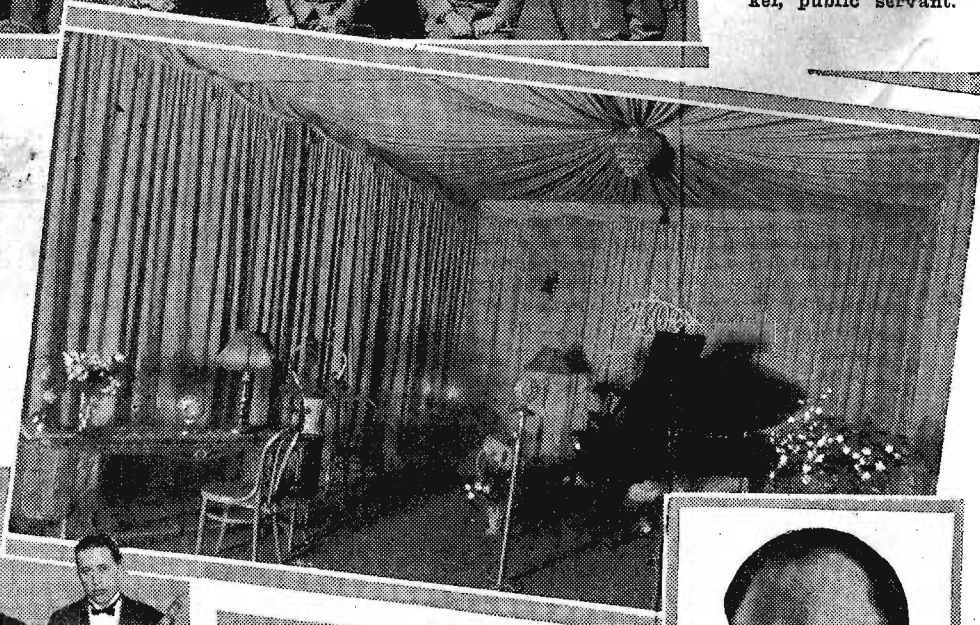
Don McLellan, city editor of the Pensacola News, says he has been trying to catch Mr. Frenkel at a moment of leisure for the past three months and hasn't succeeded yet. The busy man dashes away from his grapefruit and cereal to be at the city hall when the doors open. He buries his nose in the ledgers until noon, then sends out for coffee and sandwiches and between sips and bites, answers questions from a line of waiting citizens, snatching moments here and there to fill out marriage licenses for blushing applicants.

With Pensacola caught on the crest of the Florida boom, there is no end of work keeping up the city records and making official note of the big real estate deals and new subdivision openings. Pensacola is one of the big cities of the state and has been doing its full share to keep the west coast on an even keel with the east coast.

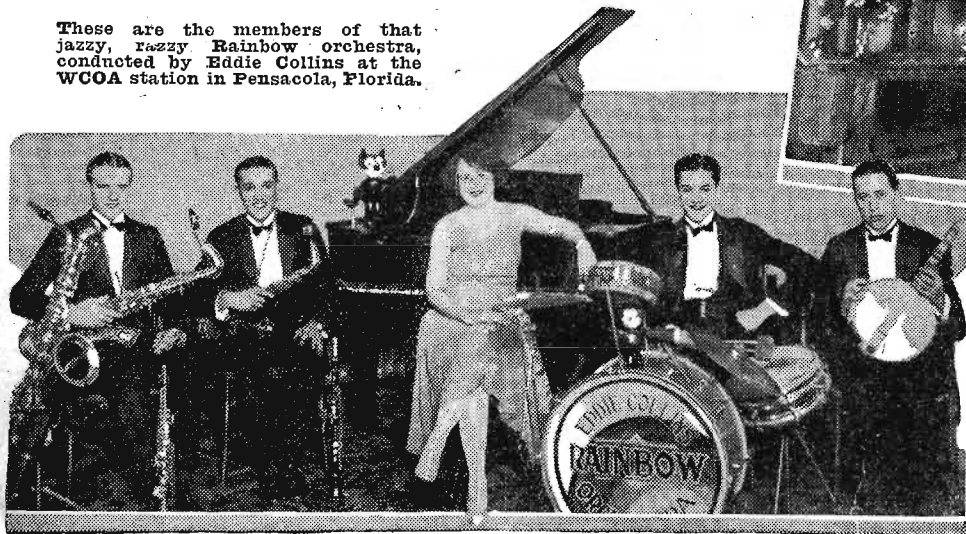
Along in autumn of last year, it was discovered that Pensacola had no voice in the air realms. This was at once considered a matter for grave concern. The city fathers pondered over the matter and sent for litera-



At left are members of 13th Coast Artillery band heard over WCOA. Below is a corner of studio as it appeared on opening night. In lower corner John E. Frenkel, public servant.



These are the members of that jazzy, Razzzy Rainbow orchestra, conducted by Eddie Collins at the WCOA station in Pensacola, Florida.



One of the best known musical features of the WCOA station is the 13th Coast Artillery band from Fort Barrancas. It goes on the air from WCOA twice each month. Then, among the regulars, comes Eddie Collins and his Rainbow orchestra. Miss Anita O. Villar is one of the staff artists who has endeared her voice to a very large audience of listeners. (Continued on page 20)



WOAW Radiates Brotherhood

OMAHA Station Reaches Out Friendly Hand to All Listeners and Brings Them Together in Air Fraternity. Rev. R. R. Brown Has Radio Congregation Embracing 500,000 Members.

FEW broadcasting stations in the United States are so located that they may be heard regularly from coast to coast. One of these stations, however, is WOAW of Omaha. Even through the heat resistor months the WOAW programs are reported back from both coasts. Thus the fundamental purpose of the establishment of the station is achieved.

Be it known that WOAW is the official mouthpiece of the great fraternal order, Woodmen of the World, and is located on that fraternity's skyscraper building in the heart of Omaha.

"Nothing has changed so much in the last few years as the social life of the people," said President William A. Fraser of Texas, as he sat in the WOAW studio revising a speech he had prepared for broadcasting. He is one of those unusual big men who seem to spring up characteristically from the Texas soil. And he has been affectionately titled by his fellow workers "Big Bill Fraser," which seems to please him better than the title of president.

"With our daughters and sisters growing up to become business women," continued Big Bill, "and with the multiplicity of evening attractions including the automobile, movies, supper clubs and dinner dances taking up the hours of leisure, the home lives have been greatly altered. The kitchenette and the family hotel have taken the places of millions of family homes. The old-time neighborliness and community life seemed to be disappearing.

"All this was not conducive to fraternal growth and so we decided we would take our order to the people through the Radio. Through the Radio we find a great uniting force between vast numbers of people. They meet and become acquainted through the medium of the air. They may never actually see each other physically but they hear the voices and they feel a union of interests in many ways. They are experiencing a reawakening of spiritual interest through our religious services. They enjoy the same amusements and have their Radio clubs."

When Donald B. McMillan, the Arctic explorer, was frozen in on his ship the Bowdoin, eleven degrees from the North Pole, about 5,000 miles from Omaha, he sent a Radio message to WOAW saying, "Deeply appreciate your Radio chapel service in behalf of my men shut in near the Pole. Will listen for you again." This was considered one of the very essences of fraternalism through service to fellow men.

Among the feature activities of Radiophone WOAW, are the World Radio Congregation, and the Bible Study Hour. Every Sunday morning, at 9 a. m., Central Standard time, Reverend R. R. Brown, pastor of WOAW's Radio church, conducts a full service program from the studio of WOAW. His listeners are everywhere, of all types, and each of the members of the congregation is presented with a beautiful certificate, engraved, colored, and signed, upon proof of good character and regular Radio receiving of the services. The outstanding fact of the

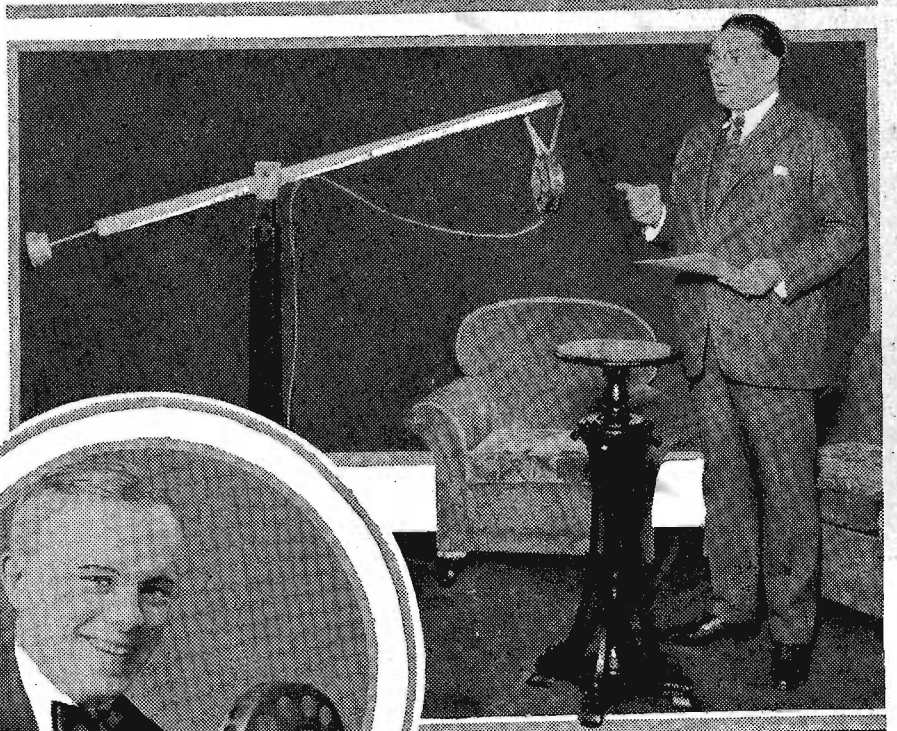
Rev. R. R. Brown (below) who conducts church and chapel services from the Woodmen Radio station, said to have the largest congregation in the world. Arthur Randall (right) pianist.



Lester Palmer (right), program and studio director WOAW. Eugene Konecky (below), poet laureate and announcer at this station. Both are known by their initials.

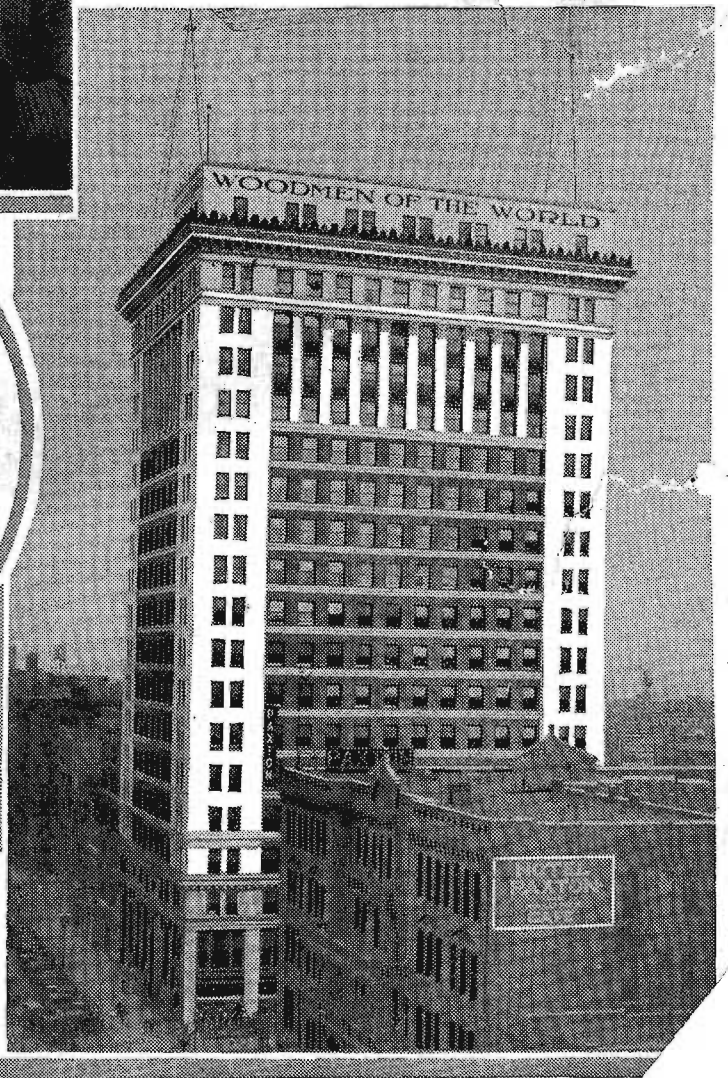


"Big Bill" Fraser, president of Woodmen (top), in speech that was heard from coast to coast. Mrs. Carl R. Gray (left), Bible class leader. Below, home of WOAW.



Radio congregation is its interdenominational sect. Reverend Brown is a man selected by Mr. Fraser for his personal integrity and his ability to appear to a varied, cosmopolitan audience. Reverend Brown is one of the most popular preachers in the world. It is impossible to keep account of all the hundreds of gifts which find their way into the studio, from country-fresh eggs to a beautiful new touring car for his trips to rural districts to preach to enthusiastic Radio fans in person.

Mrs. Carl R. Gray conducts the Bible Study hour each Sunday at 6 p. m. She, too, conveys to her listeners, the religious idea. But, not as a preacher, not as a controversialist. Her message is that of the scholar, reflective, calm, interpretative, through research and investigation. Mrs. Gray's lessons are valuable because they bring people back to the original sources, because they go (Continued on page 20)



MEAT PIES PROVIDE CHEAP, SAVORY DISH

ARE TASTY AND DELICIOUS AND YET ECONOMICAL

Miss Betty Crocker Gives Recipe for Dish That Answers Demands of Diet and Pocketbook

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 WEAF, WEA, WCAE, WGR, WEAR, WWJ, WDAF, WJAB, 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

ONE reason why meat is such a popular food is because it leaves one with a sure feeling of satisfaction. People who are accustomed to eat considerable meat and are, for some reason or another, deprived of it, are not at all satisfied with other foods. They feel that there is something lacking. There are several reasons for this feeling. First of all, we like the flavor of meat because it is stimulating and appetizing. Furthermore, meat digests more slowly than some other foods. Because of the fact that it remains in the stomach for a longer time, it gives one a comfortable, well fed feeling that is lacking when the diet is made up of foods that do not stay by.

During the war time, we talked a great deal about meat extenders. The idea of a meat extender is to extend or spread the meat flavor so that it flavors other foods and thus satisfies the desire for meat although only a small amount of meat itself is served. Gold Medal meat pie is a good meat extender. It is also a good left over dish in which left over meat may be used. It is an economical dish as it is prepared with a cheap cut of meat and it makes a little bit of meat go a long way. The mere mention of meat extenders and economical dishes sometimes rather

WORLD'S GREATEST WOMAN WRITER



At home, Dr. Selma Lagerloef, famous Swedish woman known as the world's foremost woman writer and winner of the Nobel prize, is just the same as any other woman. She is an ardent listener and has several Radio receivers in use at her beautiful home at Vaermland, Sweden.

spoils our desire to try those particular dishes. Usually the economical dishes sound uninteresting but that is not always true. Meat pie fills all of these requirements and yet is by no means an uninteresting dish. It is so tasty and delicious that I make it often because I like it and because every one likes to eat it. It is a satisfaction to have a dish you really like to make and serve which will at the same time answer all the demands of the diet and the pocketbook. This is the recipe:

One small onion, 4 stalks celery, 6 tablespoons meat drippings, 2 pounds of beef or veal, a cheap cut, 2 teaspoons salt, ½ teaspoon pepper, 1 cup cooked macaroni (about ½ cup uncooked), 2 cups cooked diced carrots, 2 cups peas, 5 tablespoons Gold Medal flour. A baking powder biscuit dough is made of 2 cups Gold Medal flour, 3 tablespoons shortening, 4 teaspoons baking powder, 1 teaspoon salt, ¾ cup milk.

Method: Dice and brown the onion and celery in 1 tablespoon of meat drippings. Add the meat and sear well. Cover with water. Add salt and pepper and let simmer until tender. Remove meat from liquid and cut in small pieces. Add cooked macaroni, carrots and peas. Make a gravy by combining 5 tablespoons of the meat drippings with 5 tablespoons of flour. Mix to a paste and cook well. Add the liquid from the meat and cook 10 minutes. Place the meat and vegetable mixture in a buttered baking dish. Cover with gravy. Make the baking powder biscuit dough, roll out and cut with a biscuit cutter. Place biscuits on top of meat and gravy. Bake 20 minutes in a hot oven, 450°F. This amount will make ten servings.

Some of the fat may be cut from the meat for the drippings, or you may use other meat drippings. If there is very

(Continued on page 17)

SHORT WAVES

By Marcella

Ann would know more of her favorite announcer, George Hay of WSM. Is he married? Any family? Or what have you? Speaking from a long acquaintanceship, Ann, I can truthfully say that he is married. If you are still interested, read on. Family? I think so, but don't know how big. He is a tall, gangling, good-natured philosopher around thirty years old. His hair is dark brown, complexion sallow and his eyes—funny I can't recall the color after having "looked into them wistfully" so often—are greenish-gray, I think. One of the highest tributes I can pay him, exclusive of telling you that he won the Radio Digest Gold Cup Award in 1924, is to say that he is a good newspaper man. He writes as interestingly as he announces, and his little feature stories and sketches always contain that inimitable twang of personality that means George Hay.

Who are "Sam 'n' Henry" ask not less than a score of listeners, who range, I should judge from their letters, all the way from grand old Civil War vets to ultra-modern sheiks and shebas. Marcella knows, 'deed I do, but I'm bound by an awful oath not to give them away. That would spoil the whole act. It's the mystery of their identity that gives you about half the "kick" you get from their programs, and I wouldn't cause you to lose that for the world. No, sirree, especially not after Quin A. Ryan, WGN's smiling director, has threatened to tell the world who I am if I let the "cat out of the bag" about Sam and his "genneman fren." Doan argue wiff de genneman... doan argue wiff 'im.

I hereby offer a reward of one sweet cookie to the young or old boy or girl friend who can give me last-minute and definite information concerning the total disappearance of Gene Rouse, ex-WOAW. He is wanted on the air by many good friends, but poor Marcella doesn't know where to begin to start. Come on, Gene, make them quit writing me!

(Continued on page 17)

WOMEN'S PROGRAMS INDEX

Saturday, April 17				Tuesday, April 20				Friday, April 23			
Eastern	Central	Mountain	Pacific	Eastern	Central	Mountain	Pacific	Eastern	Central	Mountain	Pacific
9:30 a. m.	8:30 a. m.	7:30 a. m.	6:30 a. m.	9:30 a. m.	8:30 a. m.	7:30 a. m.	6:30 a. m.	9:30 a. m.	8:30 a. m.	7:30 a. m.	6:30 a. m.
WWJ (352.7m-850kc)	Tonight's dinner.			WWJ (352.7m-850kc)	Tonight's dinner.			WWJ (352.7m-850kc)	Tonight's dinner.		
WEAR (389.4m-770kc)	Home service talk.			WEAR (389.4m-770kc)	Home service talk.			WEAR (389.4m-770kc)	Home service talk.		
WHT (399.8m-750kc)	Women's club, Jean Sargent.			WHT (399.8m-750kc)	Women's club, Jean Sargent.			WHT (399.8m-750kc)	Women's club, Jean Sargent.		
WGN (302.8m-990kc)	Household hints.			WGN (302.8m-990kc)	Household hints.			WGN (302.8m-990kc)	Household hints.		
WQJ (447.5m-670kc)	Home Economics program; "Fruit Salads." Character readings.			WQJ (447.5m-670kc)	Home Economics program; "Fruit Salads." Character readings.			WQJ (447.5m-670kc)	Home Economics program; "Fruit Salads." Character readings.		
12:30 p. m.	11:30	10:30	9:30	12:30 p. m.	11:30	10:30	9:30	12:30 p. m.	11:30	10:30	9:30
WGN (302.8m-990kc)	Discussion of fashions.			WGN (302.8m-990kc)	Discussion of fashions.			WGN (302.8m-990kc)	Discussion of fashions.		
12:35	10:35	9:35		12:35	10:35	9:35		12:35	10:35	9:35	
KYW (535.4m-560kc)	Table talk.			KYW (535.4m-560kc)	Table talk.			KYW (535.4m-560kc)	Table talk.		
12 n.	11	10		12 n.	11	10		12 n.	11	10	
KGW (491.5m-610kc)	Household helps, shopping aids.			KGW (491.5m-610kc)	Household helps, shopping aids.			KGW (491.5m-610kc)	Household helps, shopping aids.		
5	4 p. m.	3 p. m.	2 p. m.	5	4 p. m.	3 p. m.	2 p. m.	5	4 p. m.	3 p. m.	2 p. m.
KMOX (280.2m-1070kc)	Housewives' hour.			KMOX (280.2m-1070kc)	Housewives' hour.			KMOX (280.2m-1070kc)	Housewives' hour.		
Monday, April 19				Wednesday, April 21				Thursday, April 22			
9:30 a. m.	8:30 a. m.	7:30 a. m.	6:30 a. m.	9:30 a. m.	8:30 a. m.	7:30 a. m.	6:30 a. m.	9:30 a. m.	8:30 a. m.	7:30 a. m.	6:30 a. m.
WWJ (352.7m-850kc)	Tonight's dinner.			WWJ (352.7m-850kc)	Tonight's dinner.			WWJ (352.7m-850kc)	Tonight's dinner.		
WTAG (268m-1120kc)	Marjorie Woodman, nurse.			WTAG (268m-1120kc)	Marjorie Woodman, nurse.			WTAG (268m-1120kc)	Marjorie Woodman, nurse.		
WMC (499.7m-600kc)	Home economics discussion, Miss Kitty.			WMC (499.7m-600kc)	Home economics discussion, Miss Kitty.			WMC (499.7m-600kc)	Home economics discussion, Miss Kitty.		
10	9	8		10	9	8		10	9	8	
WEAR (389.4m-770kc)	Home service talk.			WEAR (389.4m-770kc)	Home service talk.			WEAR (389.4m-770kc)	Home service talk.		
WHT (399.8m-750kc)	Women's club, Jean Sargent.			WHT (399.8m-750kc)	Women's club, Jean Sargent.			WHT (399.8m-750kc)	Women's club, Jean Sargent.		
11:30	10:30	9:30		11:30	10:30	9:30		11:30	10:30	9:30	
WTIC (475.9m-630kc)	Housewife's forum.			WTIC (475.9m-630kc)	Housewife's forum.			WTIC (475.9m-630kc)	Housewife's forum.		
11:45	10:45	9:45		11:45	10:45	9:45		11:45	10:45	9:45	
WCCO (416.4m-720kc)	"The Cakes Crowning Glory." Betty Crocker. WDAF (365.6m-880kc). WHT (399.8m-750kc). WJAR (305.9m-980kc). Home service talk, Betty Crocker.			WCCO (416.4m-720kc)	"The Cakes Crowning Glory." Betty Crocker. WDAF (365.6m-880kc). WHT (399.8m-750kc). WJAR (305.9m-980kc). Home service talk, Betty Crocker.			WCCO (416.4m-720kc)	"The Cakes Crowning Glory." Betty Crocker. WDAF (365.6m-880kc). WHT (399.8m-750kc). WJAR (305.9m-980kc). Home service talk, Betty Crocker.		
12 n.	11	10	9	12 n.	11	10	9	12 n.	11	10	9
WGN (302.8m-990kc)	Household hints.			WGN (302.8m-990kc)	Household hints.			WGN (302.8m-990kc)	Household hints.		
WQJ (447.5m-670kc)	Home Economics program. "Tropical Nuts." Maude Jacobs. "Baking." Cleve Carney.			WQJ (447.5m-670kc)	Home Economics program. "Tropical Nuts." Maude Jacobs. "Baking." Cleve Carney.			WQJ (447.5m-670kc)	Home Economics program. "Tropical Nuts." Maude Jacobs. "Baking." Cleve Carney.		
12:30 p. m.	11:30	10:30	9:30	12:30 p. m.	11:30	10:30	9:30	12:30 p. m.	11:30	10:30	9:30
WEBH (370.2m-810kc)	Fashion and household talks.			WEBH (370.2m-810kc)	Fashion and household talks.			WEBH (370.2m-810kc)	Fashion and household talks.		
12:35	11:35	10:35	9:35	12:35	11:35	10:35	9:35	12:35	11:35	10:35	9:35
KYW (535.4m-560kc)	Table talk.			KYW (535.4m-560kc)	Table talk.			KYW (535.4m-560kc)	Table talk.		
12 n.	11	10		12 n.	11	10		12 n.	11	10	
WSOE (245.8m-1220kc)	Ladies' hour.			WSOE (245.8m-1220kc)	Ladies' hour.			WSOE (245.8m-1220kc)	Ladies' hour.		
2:30	1:30 p. m.	12:30 p. m.	11:30	2:30	1:30 p. m.	12:30 p. m.	11:30	2:30	1:30 p. m.	12:30 p. m.	11:30
KFNF (263m-1140kc)	Mothers' hour.			KFNF (263m-1140kc)	Mothers' hour.			KFNF (263m-1140kc)	Mothers' hour.		
WGJ (379.5m-790kc)	Cooking lesson, Jessie Lane. "Preparation of Coffee." Edith Nason.			WGJ (379.5m-790kc)	Cooking lesson, Jessie Lane. "Preparation of Coffee." Edith Nason.			WGJ (379.5m-790kc)	Cooking lesson, Jessie Lane. "Preparation of Coffee." Edith Nason.		
3	2	1	12 n.	3	2	1	12 n.	3	2	1	12 n.
WCCO (416.4m-720kc)	Women's hour, Garden Flower society.			WCCO (416.4m-720kc)	Women's hour, Garden Flower society.			WCCO (416.4m-720kc)	Women's hour, Garden Flower society.		
WSOE (246m-1220kc)	Cooking chats.			WSOE (246m-1220kc)	Cooking chats.			WSOE (246m-1220kc)	Cooking chats.		
4	3	2	1 p. m.	4	3	2	1 p. m.	4	3	2	1 p. m.
WIP (508.2m-590kc)	Market hints for housewives.			WIP (508.2m-590kc)	Market hints for housewives.			WIP (508.2m-590kc)	Market hints for housewives.		
WJZ (454.3m-660kc)	"Your Daily Menu," Mrs. J. Heath.			WJZ (454.3m-660kc)	"Your Daily Menu," Mrs. J. Heath.			WJZ (454.3m-660kc)	"Your Daily Menu," Mrs. J. Heath.		
WOC (483.6m-620kc)	Home management schedule, Aunt Jane.			WOC (483.6m-620kc)	Home management schedule, Aunt Jane.			WOC (483.6m-620kc)	Home management schedule, Aunt Jane.		
WQJ (447.5m-670kc)	"Educating the Taste of Finicky Folks." Helen Downing. "The Care of the Skin and Hair." Madame Huntingford.			WQJ (447.5m-670kc)	"Educating the Taste of Finicky Folks." Helen Downing. "The Care of the Skin and Hair." Madame Huntingford.			WQJ (447.5m-670kc)	"Educating the Taste of Finicky Folks." Helen Downing. "The Care of the Skin and Hair." Madame Huntingford.		
4:15	3:15	2:15	1:15	4:15	3:15	2:15	1:15	4:15	3:15	2:15	1:15
WJZ (454.3m-660kc)	Flower Making Course, Doris Clark.			WJZ (454.3m-660kc)	Flower Making Course, Doris Clark.			WJZ (454.3m-660kc)	Flower Making Course, Doris Clark.		
4:25	3:25	2:25	1:25	4:25	3:25	2:25	1:25	4:25	3:25	2:25	1:25
WJZ (454.3m-660kc)	Shopping service.			WJZ (454.3m-660kc)	Shopping service.			WJZ (454.3m-660kc)	Shopping service.		
5	4	3	2	5	4	3	2	5	4	3	2
KMOX (280.2m-1070kc)	Housewives' hour.			KMOX (280.2m-1070kc)	Housewives' hour.			KMOX (280.2m-1070kc)	Housewives' hour.		
WOI (270.1m-1110kc)	"A Sure Supply of Garden Cut Flowers After Midsummer."			WOI (270.1m-1110kc)	"A Sure Supply of Garden Cut Flowers After Midsummer."			WOI (270.1m-1110kc)	"A Sure Supply of Garden Cut Flowers After Midsummer."		
5:15	4:15	3:15	2:15	5:15	4:15	3:15	2:15	5:15	4:15	3:15	2:15
KYW (535.4m-560kc)	"Chasing a Pot Roast with a Bow and Arrow." John Cutting.			KYW (535.4m-560kc)	"Chasing a Pot Roast with a Bow and Arrow." John Cutting.			KYW (535.4m-560kc)	"Chasing a Pot Roast with a Bow and Arrow." John Cutting.		

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 suspicious for the various evil happenings are being cast about, BYX starts up. A number is rendered and BYX 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 panic-stricken 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 speaker tells all others to remain quiet and they will not be molested. Then the intruders begin tearing up the brick work around the hearth. Aunt Helen declares there is a corpse on the floor at her feet. Finally Mary Williams obtains a revolver, and from a hiding place, guards the front door exit while Hari Singh announces from without that he is guarding the side door. One intruder, seeking escape, is shot by Mary. The front door swings out from the wall, casing and all. The police arrive and throw a beam of light in the room. All are ordered to hold up their hands. The raid leader calls Henry Graves by the name of "Doggy" French, evidently a known criminal.

THE STORY CONTINUES.

CHAPTER FIFTEEN

The Itinerant Corpse

THE bewildered men and women who ranged against the rear wall of the hunt-room with their hands in the air and their glassy eyes turned full into the searchlight would have been hard put to decide whether this place of horrors was more forbidding in the unplumbed shadows or in fearful brightness such as this. Every face was ghostly in the light that fell upon them through the door whence had been carried the bodies of the dead Turners in their century-old parade to the graveyard. Highlights stood out boldly. But back in the corners the fearsome shadows were still undispersed—a little blacker, perhaps, a little more terrifying than before.

Men were moving in the snow beyond the front door—state troopers in uniform, a city policeman or two, and deliberate, squarely carved men in overcoats who looked as if they might be detectives. Inside the room in the twilight at the edge of the glare moved a trooper captain and a lieutenant. Their interest seemed to be centered on two figures in the foreground—Henry Graves and a roughly dressed stranger who stood beside him.

"Has Mr. Everett come yet?" inquired the captain.

"Coming," boomed a voice from the doorway. "What have we got, so far?" A man in civilian clothing but apparently high in authority slipped into the room.

"Hard to say just what we have got," replied the captain. "There's 'Doggy' French out there in front but I can't tell yet just how many of our customers are victims and how many principals."

"Bring the trouble-light in out of the car," suggested Everett. "It's got thirty feet of wire on it—ought to reach easily."

A trooper carried out the order. He laid the wire close to a corner of the doorway and hung the lamp to a corner of the fireplace and turned it on.

"That'll do," observed Everett cheerfully. "Captain, your men will take the posts assigned to them. Ask the two federal men to step in here and we'll close the door. It's too chilly for any comfort."

In a moment, before the wide-eyed spectators could guess how it had been

done, the front door had swung shut once more as if to close out its hideous secrets. Two oaken bars lay across it, incontrovertible evidence that it had never been opened. But from somewhere beneath it wound a green wire, the lamp cord that furnished the battery current for the light on the mantelpiece.

"SEARCH the company for weapons, Captain Phelps," directed Everett. And he stood eyeing the crowd critically as this ceremony was in progress.

"No weapons," the captain reported. "I took the pistols from 'Doggy' and his pal right after we broke in here."

"Good," said Everett. "Put the cuffs on them and we'll take an inventory. . . Ladies and gentlemen you may lower your hands but please remain standing for a moment. . . Lieutenant Cass, would you mind looking under the table and seeing what's going on there. . . Something's moving. . ."

"A man," returned the lieutenant. "He's crawling out under his own steam."

"My head is bloody but unbowed," declared the mystery under the table. "Name's Tolliver—or was before I got soaked on the head. Sorry I wasn't up to welcome the gendarmes."

Tolliver straightened himself, clinging to the edge of the table for support. "Who hit you?" Everett inquired.

"Some prowler in the dark," Tolliver told him. "I don't know just who. But I won't bother to guess now that you've slipped the irons onto Henry Graves. He'll do on any indictment from arson to murder."

"If I had hit you I'd have killed you, you big-mouthed boob," countered Graves energetically.

"That's enough of that, 'Doggy,'" Everett broke in. "And you, Tolliver, who are you?"

"Everybody asks me that," Tolliver observed cheerfully. "I'm Maurice Tolliver. That's all there is to it. I came here like a sap without any alias. I stayed here the same way while everybody in the place went cuckoo. And somebody hit me on the head. . . By the way. . . This any use to you?"

He held out a white packet which Everett seized quickly with a sudden ejaculation.

"Where did you get that?" he demanded.

"Down on the floor where I was asleep. When I came to the boys were digging something out of the fireplace and setting it to one side. Little boxes with hinged tops. I opened one and those packets were inside. . ."

"Well, Mr. Tolliver," Everett said judicially, "That is a packet of cocaine. It completes our evidence. . . And I think you will agree with me it makes it doubly imperative that we find out what has been going on here."

"Here I am," taunted Mary. "Help me down." Whereupon Tolliver discovered her for the first time since the light had been turned on. "Why she's up there on the gun rack," he laughed.

"AS FOR that you'd better ask Mr. Ardwyn, the gentleman over there near the door. He was in charge of these proceedings until Graves or somebody choked him off."

"We may wait a minute or two until Mr. Ardwyn feels more like himself."

Ardwyn stepped forward unsteadily. "There is no need for delay," he said. "I am attorney for the Turner estate. I was Peleg Turner's counsel during his life. And I called this meeting tonight as I had been directed to do by my client in my last conference with him. I know very few of these people here but I think that all of them—not excluding Henry Graves there—can be identified readily as Mr. Turner's relatives."

Everett nodded. "I knew in advance that there was to be such a meeting," he said. "I feel as you do that we should be safe in taking for granted the innocence of every man and woman in this room. But we have to make investigations."

"These troopers are here—I am here—under orders of the federal narcotic bureau of Portsmouth. It has been evident to us for some time that a cocaine smuggling ring has maintained a headquarters near this house, if not in it. We were warned that they intended to move their supply tonight and I suspect that they were handicapped by your

seance. At any rate their attempt to call off the coast guard with a fake SOS, did not succeed. So much for that. What we should like to know now is just how many of your party were in this room when the doors were locked."

"We started as twelve—not including Hari Singh who probably will be found standing guard with a shot gun just outside the hall door. One of our number disappeared and was found out in front with a broken head. That left eleven of us, but when I attempted to count heads in the dark I found thirteen."

"Funny," replied Everett. "One of the thirteen probably was 'Doggy' French's pal 'Jim.' Then, counting 'Doggy' in his role of Henry Graves as you knew him there ought to be eleven of you standing up there. And I can count only nine."

"You might count me as ten," laughed a voice from somewhere behind the federal operative.

"Mary Williams," ejaculated Ardwyn. "I had forgotten her."

"Where is she?" puzzled Everett.

"HERE I am," taunted Mary. "Help me down."

Whereupon Tolliver discovered her for the first time since the light had turned on.

"Why she's up there on the gun rack," he laughed.

"Just where I was when Henry Graves was looking for me," she announced. "Take this pistol, somebody, and help me down."

Henry Graves went white as he looked at her but he made no comment. The troopers lifted the girl from the rack to the floor and Everett, after an admiring glance, went on with his count.

"Even with this lady accounted for we are two short," he said. "We should muster thirteen including the two prisoners, or eleven without them."

"There's a man unconscious here against the wall," reported Captain Phelps. And as if his words had recalled a forgotten experience Aunt Helen Holmes began to gasp.

"It slipped my mind," she gasped. "I didn't tell you in the excitement an' all. But there was a corpse lying right there at my feet while all this fighting was going on. . . That was the thirteenth guest. . . A corpse. . ."

A sudden hush came over the company. The nerve weary guests felt as if the finding of a mere corpse would prove an anticlimax after the terrors of the night. The policemen, well aware of the character of the men they dealt with, knew that sudden death hovered perpetually over houses in which they rested. Captain Cass and Lieutenant Phelps made a hasty search behind chairs and in darkened corners until a sudden half-cry from Ardwyn drew them to the recess in the wall against which he leaned.

"There is the corpse, gentlemen," he said. "Turn it over in the light. . . what?" His calm voice rose to a sudden hysterical shriek. . .

"It can't be! it can't be!" he repeated dazedly.

"This is the body of Peleg Turner!"

CHAPTER SIXTEEN

The Step

"ARE you sure that's Peleg Turner?" asked Everett.

"There can't be any doubt of it," declared Ardwyn in an awed whisper. "You don't have to take my word for it. Most of these people here would know. And out there in the hallway is Hari Singh, his servant."

"Hari Singh would be the best witness," decided Everett quietly. "He isn't so likely to be hysterical. And John Carton is out there somewhere. Ask him to come in here."

There was a delay of only a moment while an eternity settled on the shoulders of Frederick Ardwyn and bent him forward, suddenly an old man. Presently the doors opened and Hari Singh, shotgun in hand, stepped across the threshold closely followed by John Carton. "The Sahib Peleg Turner," he gasped incredulously. "And dead. . ."

"Dead? Yes," snapped Everett. "How did you expect to find him? Alive?"

"Who am I to say who have never tried death?" shrugged Hari Singh. "I shall remember always the Sahib Peleg Turner as alive. And death seems so permanent."

"What about it, John?" inquired Everett of young Carton who stood gazing in horrified fixity at the corpse.



"That is undoubtedly my Uncle Peleg," he said tremulously. "We came too late."
 "But how does it come that he is here?" pursued Ardwyn. "How could they have brought him here even if they could have had any purpose in doing it?"
 "The front door, Mr. Ardwyn," John Carton told him after a plain struggle with his grief. "Peleg Turner came back into this house the same way he went out of it. . . Through the front door."
 "But the door was locked."

"YES. . . Locked and barred. I know all that. But it isn't like other doors. One of the Turners was a Tory spy and he built the thing as an emergency exit. I discovered the secret the night after Uncle Jeremiah was killed. The whole frame swings in or out of the wall on a pivot hinge. The locks don't mean anything. The legend should have kept anybody from attempting to tamper with it. And now poor old Uncle Peleg comes back through it."

"Then the ghouls who did this thing must still be here," declared Ardwyn with sudden fire. "Who did it?"

"Do you recognize any of these people, John?" asked Everett.

"Yes, nearly all of them," replied Carton. "You got two of the worst of them when you put the cuffs on Graves and Jim Teufel. The bulk of the others aren't crooks. . . Hypocrites, perhaps, but not crooks."

"This one on the floor," suddenly interrupted Capt. Cass. "I thought it was Gus Marks. But it isn't. This fellow hasn't any beard."

"No," said Carton as he leaned over the prostrate figure. "That's not Gus."

"Gus is upstairs waiting for the doctor or the coroner. Hari Singh hit him with the butt of a shotgun when he broke out through the front door earlier in the evening. His name at this party was Milford Jones."

Capt. Cass turned the face of the unconscious figure toward the light and aroused a chorus of startled comment.

"I know him, too," observed John Carton. "This is my sanctimonious Cousin William Caryl and far be it from me to express the hope that whoever put him out did a good job of it."

Everett suddenly turned from the prostrate William and raised an ear toward the hall door.

"Who's that coming down the stairs now?" he demanded. "Anybody up there besides Gus Marks?"

FOR perhaps the tenth time since the old mantel clock had announced midnight a blanketing silence fell over the room. And once more came the echo of the step on the stairs. . . A creaking indefinable footstep. . . followed as always by the tapping that slowly spelled out the fateful message—SOS.

"There are no stairs in that end of the house," John Carton announced suddenly. "Those sounds originate right here in this room. . . Has anybody bothered to open that old cupboard at the end?"

The eyes of the company suddenly shifted and a trooper leaped across the room to the great walnut armoire that Carton's words seemed to have conjured out of the shadows.

"Stand back everybody while I open the door," commanded the trooper. "No telling what we may find in here." And he drew his pistol as he gingerly turned the key and threw back the front panel on its creaking hinges.

Out onto the floor dropped a reeling gray bundle.

"A man," breathed Mary Williams. "The man Millis was telling me about," cried Hari Singh. "The man in the gray overcoat who came from the sea."

"If this is another member of the gang we have him," reported the captain. "He seems to be about half smothered."

"He's not a member of the gang, Capt. Cass," replied Everett. "That's Tommy Mitchell of the Portsmouth narcotic squad. . . How did he get in there?"

"I guess I locked him in," confessed Mary Williams in a thin startled voice. "I guess I locked him in."

How did Mary Williams lock Mitchell, a man, in the cupboard and why? How did Peleg Turner's body get into the hunt-room? Who brought it there? The mysterious happenings are approaching a thrilling climax in next week's installment. Don't miss it.

Roy F. Thompson Is Named To Succeed Walter Greevy

ALTOONA, Pa.—Roy F. Thompson, known to thousands of Radio fans throughout the country as "R. T.," has been named by the directors of the Gable-Tribune Station WFGB, director and general manager of the station as successor to the late Walter S. Greevy. Mr. Greevy was also a director of the National Association of Broadcasters.

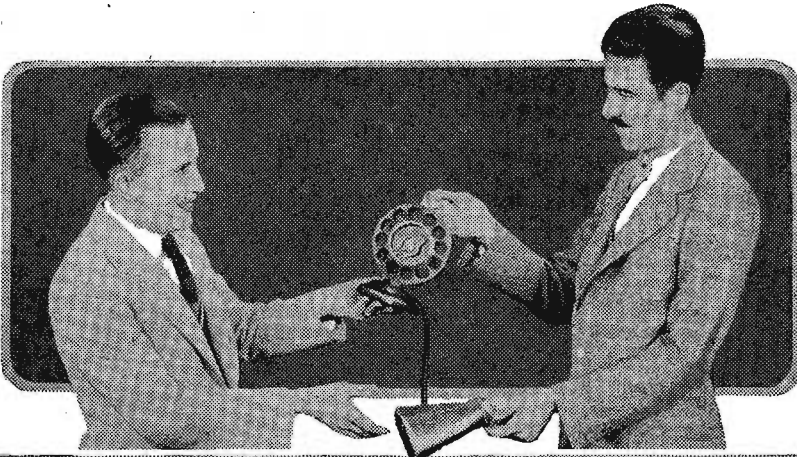
Mr. Thompson, prior to his new appointment, was very active in Radio work, not only as chief announcer at the station but he has also appeared on the programs as a vocalist.

Charlie Wellman of KFWB Has New Lingo, Perfected for Microphone Use

Hollywood Announcer Gains Greater Clearness and Is Able to Speak Faster and Remain Distinct Due to His System of Using Only "Mike Words"

CHARLIE Wellman, manager of the Warner Brothers station, KFWB, at Hollywood, is generally conceded to be one of the best and popular announcers in the West. Exceptionally

remarks, as every announcer is, it seemed an almost impossibility at first to arrange his vocabulary so it would stay within these self-imposed rules, but the difficulty was solved by his determina-



Charlie Wellman, left, manager and announcer of KFWB, who has cultivated his "Radio talk," is here swapping his microphone with William Beaudine, famous movie director, for a megaphone.

fluent in speech, he is at all times distinctly audible and easily gets rid of 150 words per minute while many others in his line of endeavor struggle with about one-third that number.

Mr. Wellman, an enthusiastic and untiring Radio student, does not make any claim to extraordinary culture, but declares his success in announcing is due to a system of his own, the result of keen observation and constant practice.

Everyone acquainted with the rudiments of Radio is aware that certain sounds do not carry as well as others over the air—the soprano voice, for example—also that certain sounds and words are easily and frequently mistaken for others with sometimes laughable and embarrassing results.

Carefully taking these facts into consideration, about one year ago, Mr. Wellman decided to experiment and at last thinks he has the basis for a successful system of announcing for Radio. Like the answer to a conundrum, it is very easy when told, and the plan is so simple it is strange it has never been thought of before.

In speaking before the microphone he uses only three tones of his voice. These three have been selected after long and continual practice as being particularly suited to the mike and of the few tones used that will not blast when spoken, regardless of the volume used. He is also very careful not to employ words that grate or sound harsh over the air.

Called upon frequently for impromptu

tion to use in his daily conversation only words that would be suitable should he be talking into the microphone.

When asked a question he would pause deliberately and not answer until he had framed a reply in his mind that was air proof. The result is that when in the studio, no matter what the occasion, by sheer force of habit appropriate words come rolling off his tongue.

In Hollywood he is known as the "Man Who Talks Radio"—and what kind of a language is that?

STATION WDAF SHOWS MUSIC MEMORIES LAG

Less Than Half of Papers Above Fifty Per Cent

KANSAS CITY, Mo.—WDAF, the Kansas City Star's station here, stumbled upon something in a recent program when a music memory contest was presented which developed that almost half of those who wrote in fell below a grade of 50 per cent.

Twelve standard numbers were played by the Radio orchestra. The announcer introduced the selections by number only, inviting listeners to jot down the title, composer and country. Then, if they cared to, they might mail their "examination papers" to the "schoolmarm" at WDAF, who would grade them with a red pencil and return.

\$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 employees 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.

KWKH TURNS PIRATE AND HIJACKS ZENITH

SHREVEPORT JOINS WJAZ ON CANADIAN WAVE

Issues Defy to Department of Commerce After Petition for Increased Power Is Denied

WASHINGTON.—Fire has broken out in a new place among broadcasters who are dissatisfied with the wave length assigned them by the department of commerce and who have taken the law into their own hands and selected an air channel more to their liking.

According to reports to the department of commerce, Station KWKH, owned by the W. K. Henderson Iron Works and Supply company, at Shreveport, La., has followed the example of WJAZ, owned by E. F. McDonald, Jr., and is operating on 329.5 meters, which is assigned exclusively to Canadian stations.

Both Sides Confident

At the present time there is pending in the Chicago courts a suit against Mr. McDonald for violation of the law in operating on 329.5 meters without authority. The case hinges on the right of the department of commerce to assign wave lengths to stations. A decision is expected on the case within a short time. Legal advisers of the department are confident the case will be won by the government. Mr. McDonald expresses himself as equally confident that the government will lose.

Before it decided to take matters into its own hands, KWKH operated on 261 meters, with around fourteen other stations. Dissatisfied with its channel, KWKH officials applied to the department of commerce for permission to increase its power. The request was denied on the ground that, with higher power, KWKH would drown out the other stations on 261 meters. The inevitable result, according to department of commerce officials, would have been that the other stations also would have likewise increased their power in an effort to drown out KWKH.

Await Chicago Decision

No action will be taken on the Shreveport case by the department of commerce until a decision is made on the Chicago case. If the department wins in Chicago, it will almost automatically decide the case against the Shreveport station. On the other hand, if the department loses in Chicago, it may attempt to reopen the subject by fighting the case over again in the Louisiana courts.

Chief Radio Supervisor W. D. Terrell takes a philosophical view of the situation.

"If all the bad actors go ahead and operate on 329.5 meters," said he, "it would solve a big problem for us. We could ask the Canadian government to release that wave length and give them another in exchange for it."

To which all the "bad actors" would then shift, no doubt.

Serious as the situation may appear, department of commerce officials believe it will work itself out satisfactorily. In the event of failure to win in the courts, it is believed that congress will take the attitude that additional legislation is absolutely imperative and pass some kind of Radio bill.

Moose Call and Paper Join Hands at WJJD

Reunite Three Old-Timers of WDAP Fame

CHICAGO.—A local newspaper, the Chicago Evening Post, and the Loyal Order of Moose station, WJJD, recently have effected a cooperative connection which brings three old-time Radio figures back together again.

In the old days of Chicago broadcasting, WDAP, Board of Trade station on the Drake hotel, was a popular favorite and one of the then few stations in the city. Jack Nelson was director, Ralph Shugart was announcer and Paul G. Neal was engineer.

Messrs. Nelson and Shugart became director-announcer and engineer, respectively, of the Moose Station WJJD, when it was built. Mr. Neal recently left Station WGN, formerly WDAP, to become technical editor of the weekly Post Radio section.

So with the newspaper and WJJD joining hands, the three men are once more associated in their work.

Testing Radio Torpedoes

PARIS.—Secret experiments are being made at present in France of an invention by which it is claimed that the flight of air torpedoes can be controlled by Radio.

BROADCAST PROGRAMS IN ADVANCE

Saturday, April 17

Headliners Today

Eastern 8 p. m.	Central 7 p. m.	Mountain 6 p. m.	Pacific 5 p. m.
KFNH (263m-1140kc) Scotch concert.	7:10	6:10	5:10
WEEI (348.6m-880kc) Boston Symphony.	8:30	7:30	5:30
WGY (379.5m-790kc) Saxophone frolic.	8:30	7:30	5:30
WHAS (399.8m-750kc) Town club concert.	8:30	7:30	5:30
WJZ (454.3m-660kc), WGY (379.5m-790kc), WRC (488.5m-640kc), Saxophone concert.	9:30	8:30	6:30
KMOX (280.2m-1070kc) "Seven Ages of Man."	9:30	8:30	6:30
WLO (422.3m-710kc) Laughing John Meyer's band.	9:30	8:30	6:30
WOAW (526m-570kc) "A Step On the Stairs," mystery serial.	9:30	8:30	6:30
WGN (302.8m-990kc) "The Red Mill."	9:30	8:30	6:30
WLW (422.3m-710kc) "A Step On the Stairs," mystery serial.	9:30	8:30	6:30
KTHS (374.8m-800kc) Old-time fiddlers.	10:45	9:45	7:45
WSB (428.3m-700kc) Red Head club.	11:10	10:10	8:10
WSWS (275.8m-1090kc) Scott and his novelty Hawaiian orchestra.	11:10	10:10	8:10
KLO (361.2m-830kc) "The County of Luxembourg," performance.	12 m.	11 m.	9 m.
KYW (535.4m-560kc) Congress Carnival.	12:15 a. m.	11:45	9:45
KGO (361.2m-830kc) "A Step On the Stairs," mystery serial.	2 a. m.	12 m.	11
KFI (487m-640kc) Frolic.			

Saturday, silent night for: CNRA, CNRC, CNRE, CNRM, CNRR, CNRT, CNRV, CNRW, KFKU, KFUD, KFXF, KMA, KOAC, KOE, KSAC, KSO, KTAB, KUOA, KWSC, WABQ, WAIU, WBAL, WCAL, WGX, WDD, WEAO, WEBJ, WEBW, WEMC, WGBF, WGPC, WGHP, WGST, WHAD, WHAZ, WHN, WHO, WIP, WIAR, WKAR, WLIT, WLWL, WMAZ, WOS, WRVA, WTAG, WTIC, WWJ.

Eastern Time Stations

CNRO, Ottawa, Can. (435.8m-698kc), 8 p. m., Chateau Laurier dinner concert orchestra; 9, studio program; old-time favorite ballads, Orpheus singers; Blissa Williamson, soprano; Myriah Kendall, pianist; Chateau Laurier dance orchestra.

KDKA, Pittsburgh, Pa. (309.1m-970kc), 6:30 p. m., Westinghouse band; 8:30, Westinghouse band; Mary Louise Jeffrey, pianist; Earl Renner, tenor.

WAHG, Richmond Hill, N. Y. (315.6m-954kc), 12 m., novelty program.

WBRR, New York, N. Y. (272.6m-1100kc), 8 p. m., Carl Park, violinist; 8:30, Fred Franz, tenor.

WBZ, Springfield, Mass. (332.1m-900kc), 6:45 p. m., Hotel Kimball dance; 7, Capitol theater orchestra; 7:30, Dr. D. M. Staley, reader; 7:45, Repertory theater concert; 8:15, "Too Many Brothers"; 9:15, Gertrude Cotter, contralto; 9:30, Sylvia Glasser, pianist; 9:45, William Flood, tenor.

WCAE, Pittsburgh, Pa. (461.3m-650kc), 6:30 p. m., dinner concert, William Penn hotel; 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 p. m., 12 midnight, Vincent Lopez and his orchestra; special music.

WEAR, Cleveland, Ohio (389.4m-770kc), 7 p. m., Hotel Statler concert orchestra; 12, Wormack's Singing synchopators.

WEEI, Boston, Mass. (348.6m-860kc), 7:10 p. m., Slade's Spice family; 8:10, Boston symphony orchestra; 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, concert from studio; 11, Bellevue Stratford dance orchestra.

WGSS, New York, N. Y. (315.6m-950kc), 6:30 p. m., Vincent Sorey concert trio; 7:30, Arcadia ballroom orchestra; 8:30, Clifford Cheasley, numerology; 8:40, Richard Finley, tenor; Eleanore Reynolds, soprano; 9, Plectra club; 9:30, Park male quartet; 10:30, Arrowhead Inn dance orchestra.

WGHB, Clearwater, Fla. (265.3m-1130kc), 6:30-7:30 p. m., Gray Moss Inn; 8:30-9:30, program; Bill Ewin, L. W. Joy; 11:45-1 a. m., Rambie, Graham Prince and his orchestra.

WGY, Schenectady, N. Y. (379.5m-790kc), 6:30 p. m., dinner program, WFRL, WELM; 8:30, Rudy Wlodekoff, saxophonist; 9:30, WJZ; 10:30, dance.

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; 8:15, special concert, Metropolitan Opera House; 10:05, El Patio dance orchestra; 11:05, organ recital, Germantown theater.

WJR, Pontiac, Mich. (516.9m-580kc), 7 p. m., Storm-feltz-Loveley serenaders; 9, Jean Goldkette's serenaders; 10, Jean Goldkette's orchestra; 11:30, Jewett Radio Jesters.

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

WMAK, Buffalo, N. Y. (265.3m-1130kc), 6:15 p. m., dinner music; 7:30-8:30, musicale; 8:30-9, Wolff's Furniture House, Inc.; 9-10:30, musicale; 10:30-11, Teddy orchestra.

WMCA, New York, N. Y. (340.7m-860kc), 6 p. m., Hotel McAlpin string ensemble; 6:30, Parody orchestra; 8:30, Fourth Annual Food Show; 10, Norman Pearce, reader; 10:30, Creole Follies; 11, Hotel McAlpin orchestra; 12, entertainers.

WNYC, New York, N. Y. (526m-570kc), 7:45 p. m., songs; 8, instrumental program; 8:15, songs; 8:30, songs; 8:45, songs; 9, Harriette Weems, "Shakespeare"; 9:15, Beatrice Anthony, piano; 9:45, songs; 10:15, Mounted Police association.

WOR, Newark, N. J. (405.2m-740kc), 6:30 p. m., Jacques Jacobs' Hotel Shelton orchestra; 7:30, Van's Collegians; 8:45, Joseph M. Barnett, baritone; Copenhagen quartet; 9:15, LaForge-Berumen musicale; 10, Joseph Franko, violinist; 10:30, "A Step On the Stairs"; 11, Leon H. Wood, organ recital.

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

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

WRC, Washington, D. C. (468.5m-640kc), 7 p. m., Hotel Washington orchestra; 8:25, music; 10:30, Meyer Davis' Swane synchopators; 11:30-12, Otto F. Beck, organist.

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

WTIC, Hartford, Conn. (475.9m-630kc), 6:50 p. m., Hotel Bond trio; 8:30, Zella S. Nary, contralto; Margaret St. John, soprano; 9, studio program; 10:30, Carroll's Palais Royal dance orchestra.

CKY, Winnipeg, Can. (384.4m-780kc), 8:30 p. m., studio program; 9, concert; John Harper and his orchestra; Frank Wright's Country club orchestra.

KFAB, Lincoln, Nebr. (340.7m-880kc), 5:30-6:30 p. m., dinner concert; 8:30-10:30, artists; 12-2 a. m., orchestra entertainment.

KFNH, Shenandoah, Iowa (263m-1140kc), 7 p. m., Scotch concert, E. S. Dodds, director; 11, old-time music.

Central Time Stations



Among the unlimited supply of beauties which face the mike of KFWB is Doris Hill, above. She is one of the new players of the Warner Brothers.

KMA, Sherandoah, Iowa (252m-1190kc), 6-7 p. m., popular music; 9-11, pipe organ recital, William Howie.

KMOX, St. Louis, Mo. (280.2m-1070kc), 6 p. m., organ recital, Arthur Utt; 6:30, Mrs. Jacques Landree, organist; 7, East St. Louis Chamber of Commerce musicale; 8, orchestra; "Seven Ages of Man"; Frank Maples, Mary Noble, soloists; 9, Herbert Grosskop, baritone; orchestra; 10, dance music, Colonel 6121.

KOIL, Council Bluffs, Iowa (277.6m-1080kc), 6:35 p. m., McCrory music period; 7:30, Virginia Fair, pianist;

S. Jean Stirling, pianist; 11, Pow-Wow Randall's Royal Fontenelle orchestra.

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

KSD, St. Louis, Mo. (545.1m-550kc), 7 p. m., Grand Central theater; 8:30, Blanch McGregor, contralto.

KTHS, Hot Springs National Park, Ark. (374.8m-800kc), 9-10 p. m., Old-Time Fiddlers; 10-10:30, New Arlington hotel orchestra.

KYW, Chicago, Ill. (535.4m-560kc), 6-6:15 p. m., KDKA;

High Lights of the Air

THE TABLOID operetta scheduled by the WGN production company for Saturday evening is Friml's famous musical comedy "The Red Mill." The curtain rises at 8:30 p. m. Central time. Before the microphone will be gathered June Lacey, soprano; Kathleen Ryan, contralto; Frederick Wood, Gilbert Ford, tenors; Bryce Talbot, baritone; and Mark Love, director and bass. In the background will be the WGN studio ensemble.

"Babbit" and "Mainstreet" are two books which have become associated with midwest American life. The author of these famous novels will talk and answer questions at WHB, Sunday night. Another interesting event of the evening is the radio debut of the Baltimore Symphony orchestra at WBAL. The concert features national prize-winning compositions of Baltimore composers.

Madame Valentina Tumanskaya, a Russian prima donna teaching music in Memphis, has arranged a classical program to be given Monday evening at WMC. This musicale will be welcomed by fans who enjoyed Madame

Tumanskaya's singing several weeks ago. Monday is a legal holiday in Massachusetts because on this date 151 years ago Paul Revere made his significant ride. WTIC will celebrate Patriotic Day with national music.

Humor mingles with pathos in the famous balcony scene of Cyrano de Bergerac. On Tuesday evening at 9:30 p. m. Central time Carol Lynn and Dewight Hensen will give this scene at WIP.

A dulcimer made in England in 1784 will be presented during the Wednesday program of WOS, Jefferson City. Miles Carpenter to whom this quaint old-fashioned instrument belongs plays it with skill.

Gaelic music will be presented at KDKA this week during the Thursday half-hour with famous composers. The KDKA Little symphony orchestra will play this interesting folk music under the direction of Victor Saudek.

See Florida from a new angle Friday. Follow the flights of Lieutenant George Pond across this state and learn if possible before buying which parts of Florida are the best for investment. He talks at WEBJ.

6:30-7, Congress hotel orchestra; 7:30-9, home-lovers' hour; 9-10, Congress hotel; 11-12, Congress carnival.

WADC, Akron, Ohio (258.5m-1160kc), 6:30 p. m., Hotel Forlane quintet.

WAMD, Minneapolis, Minn. (243.8m-1230kc), 7:05 p. m., Hartman twins, Frank and Ernest; 7:10, popular program, Harmony twins, Fred Robie, Bob Melcher; Bluebirds orchestra.

WBAP, Fort Worth, Tex. (475.9m-630kc), 6-6:30 p. m., dinner music; 9, Hired Hand little symphony.

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

WCCO, Minneapolis-St. Paul, Minn. (416.4m-720kc), 6:15 p. m., dinner concert, Wesley Barlow's Nicollette hotel orchestra; 8:15, musical program; 10:05, dance program, Emmet Long's Golden Pheasant orchestra.

WDAF, Kansas City, Mo. (365.6m-820kc), 6-7 p. m., School of the Air; organ music; Trianon ensemble; 8-10, Around the Town with WDAF, popular music; 11:45-1 a. m., Nighthawk frolic.

WEBB, 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.

WENR, Chicago, Ill. (265.3m-1130kc), 6-7 p. m., Bauland lyric trio; 8-10, All-American Pioneers; 12-2 a. m., frolic.

WFAA, Dallas, Tex. (475.9m-630kc), 6:30-7:30 p. m., Jimmie Joy's orchestra; 8:30-9:30, Woodmen of the World program; 11-12, Jack Gardner's orchestra.

WGN, Chicago, Ill. (302.8m-990kc), 6:55-7 p. m., Drake concert ensemble, Blackstone string quintet; 8-8:10, Auld Sandy; 8:10-8:30, Drake concert ensemble, Blackstone string quintet; 8:30-9:30, "Red Mill"; 9:30-10, old-time prize fight; 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, Town club, Louisville Conservatory of Music.

WHT, Chicago, Ill. (399.8m-750kc), 8 p. m., Al Carney, organist; 6:50-7:45, Rayner Dalheim orchestra; (235m-1260kc), 7:45-9:15, musical features, Cinderella cafe orchestra; (399.8m-750kc), 9:30, Kitchen Klenzer program; 9:50, popular; 10:30, Cinderella cafe orchestra; 12, Your Hour league, Pat Barnes and Al Carney.

WIO, Chicago, Ill. (225.4m-1330kc), 6-8 p. m., dinner concert; Maria Fay, soprano; Hazel McBroom, contralto; Christopher Hendra, tenor; string trio.

WJAZ, Chicago, Ill. (322.4m-930kc), 9-2 a. m., dance program, Opera club.

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.

WKAF, Milwaukee, Wis. (260.7m-1150kc), 8:30-9:45 p. m., Hi Coleman's orchestra.

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

WLIB, Chicago, Ill. (302.8m-990kc), 7:30-8 p. m., musical program; 11-11:20, Correll and Gosden; 11:20-12:30 a. m., studio ensemble, dance music, harmony duos.

WLS, Chicago, Ill. (344.6m-870kc), 7 p. m., Ford and Glenn; 7:30, Ralph Emerson, organist; 8-12 midnight, national barn dance, twin wheeze; Maurice Sherman's College Inn orchestra.

WLW, Cincinnati, Ohio (422.3m-710kc), 7 p. m., organ recital, Johanna Grosse; 7:30, Secretary Hawkins Radio club; 8, Laughing John Meyer's band; 8:30, "A Step On the Stairs"; 9, Castle Horn dance orchestra.

WMAQ, Chicago, Ill. (447.5m-670kc), 6 p. m., theater organ; 6:30, Shetzl's Hotel La Salle orchestra; 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; Willie Horowitz, Jimmy Egert, Andy Anderson.

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

WOAW, Omaha, Nebr. (526m-570kc), 6:15 p. m., Herb Feilerman and his orchestra; 8, "A Step On the Stairs"; 9, de luxe; 10:30, Frank Hodek and his Nighthawk orchestra.

WOC, Davenport, Iowa (463.6m-620kc), 9-10 p. m., Davenport Industrial commission; 11-12, LeClair hotel orchestra; Peter MacArthur, Scotch baritone.

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

WOOD, Grand Rapids, Mich. (241.8m-1240kc), 9:30 p. m., quartet; Henry Ross, Simon Walters, Jack Bos, Bill Dice; violin soloist; 10-12, Roy Clark, F. Jeffery, Harold DeWindt, Bill Dallavo and his orchestra.

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

WQJ, Chicago, Ill. (447.5m-670kc), 7-8 p. m., Rainbo Gardens orchestra; quartet; 10-3 a. m., Skylarks; Rose Vanderbosch, soprano; Clarence Theders, tenor; Joe Warner, character songs; Oxford Girls; Rita McFawn, Mary Eber, harmony duo; West Brothers; Gail Baudell, Radio Sunshine Girl; Melodians.

WSOE, Milwaukee, Wis. (245.8m-1220kc), 8:30 p. m., uniform Sunday school lesson; E. Erving, baritone; Al Nitz, tenor; Pauline Voltz, soprano.

WRR, Dallas, Tex. (245.8m-1230kc), 6-7 p. m., dinner hour orchestra; 8-9, Cecilia music club; 12:1, organ recital.

WSAI, Cincinnati, Ohio (325.9m-920kc), 7 p. m., chimes; 7:15, WEAF; 8:45, Bicycle Playing Card sextet; 12, Freda Sanker's orchestra.

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

WSUL, Iowa City, Iowa (483.6m-620kc), 7:30 p. m., Mrs. Mildred B. Paddock, artists.

WSWS, Chicago, Ill. (275.8m-1090kc), 6 p. m., Chicago serenaders, mixed quartet; Helen Elliott, soprano; James de Young, tenor; 8, Samovar orchestra; Jean Dunan, contralto; Ruth Burnell, pianist; Hugh Aspinwall, reader and tenor; 10, Scott and his Novelty Hawaiian orchestra; Zola Haynes, pianist; Oxford girls, harmony; Jack Ford, uke soloist; ballads, John Clark; Samovar orchestra; 12, Samovar orchestra; Majorie Lee, pianist.

Mountain Time Stations

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

KFXF, Colorado Springs, Colo. (249.9m-1200kc) 9 p. m., Russ Kemp's dance orchestra.

KGA, Denver, Colo. (322.4m-930kc), 9 p. m., Harmony Feetless orchestra; 10:30, Scheuerman's Colorado orchestra.

Pacific Time Stations

KFI, Los Angeles, Calif. (467m-640kc), 7-8 p. m., dance music; 8-9, classic hour; 9-10, varied program; 10-11, Packard Radio club; 11-3 a. m., KFI midnight frolic.

KFOA, Seattle, Wash. (454.3m-660kc), 7-8 p. m., musical program; 8:15-9:30, Pacific N. W. program; 9:30-11, Jackie Souder's Club Lido Serenaders.

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, Helene Smith, Ericson Sisters; 11-12, State theater organ.

KFWB, Hollywood, Calif. (252m-1190kc), 6:30-7:30 p. m., Pontiac Six dinner hour music; 8-9, Electromae; 9-10, studio program; 10-11, Warner Brothers frolic.

KGO, Oakland, Calif. (361.2m-830kc), 8-10 p. m., "The Count of Luxembourg," opera in two acts; 9:45, "A Step On the Stairs," mystery serial, eighth episode; 10-12, dance music, Madson's Midshipmen.

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., Tower studio feature program.

WGN TO GIVE OPERETTA "RED MILL"

Saturday, April 17

KJR, Seattle, Wash. (384.4m-780kc), 8:30-10 p. m., Warner company studio program, artists.
 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 Keht concert orchestra; 7:30-8, popular program; 8-9, program, John A. Vaughn corporation; 9-10, W. W. Rainey organization; 10-11, Ambassador hotel dance orchestra; 11-2 a. m., Hollywood night.
 KPO, San Francisco, Calif. (428.3m-700kc), 8-11 p. m., Fairmont hotel dance orchestra; Maurice Guskys, tenor; Merton Borles, pianist; 11-12, Henry Halstead's orchestra.
 KPSN, Pasadena, Calif. (315.6m-950kc), 8-9 p. m., Star-News concert hour; 9-10, dance orchestra.

Sunday, April 18

Headliners Today

Eastern 6 p. m.	Central 5 p. m.	Mountain 4 p. m.	Pacific 3 p. m.
WEAF (491.5m-610kc) "Merchant of Venice."	7:30	6:30	5:30
WLIB (302.8m-990kc) Non-Professional period.	7:30	6:30	5:30
WGST (270.1m-1110kc) Special operatic program.	8:30	7:30	6:30
WBAL (245.8m-1220kc) Boston Symphony.	9:30	8:30	7:30
WZL (245.8m-1220kc) Boston Symphony.	9:30	8:30	7:30
WBZ (333.1m-900kc) Spalding sextet.	9:15	8:15	7:15
WBB (365.6m-820kc) Sinclair Lewis.	9:15	8:15	7:15
WEAF (491.5m-610kc), WEET, WCAP, WFI, WJAR, WGR, WCAE, WSAI, WJWJ, WCCO, WGN, WEAR, KSD, WTAC, Atwater Kent program.	10:30	9:30	8:30
KFI (467m-640kc) Jim, Jack and Jean trio.	10:30	9:30	8:30
KPRC (296.9m-1010kc) Paramount Five.	10:30	9:30	8:30
WAMD (243.8m-1230kc) Gould Banjo club.	11:15	10:15	9:15
KHJ (405.2m-740kc) Artland club.	11:15	10:15	9:15
KGW (491.5m-610kc) Symphony orchestra.	11:15	10:15	9:15

Sunday, silent night for: CFAC, CHIC, CKAC, CKNC, CNRA, CNRC, CNRE, CNRM, CNRO, CNRR, CNRT, CNRV, CNRW, KFAB, KFAU, KFPA, KFMA, KFXF, KLG, KMA, KMTR, KOAC, KOB, KOW, KSAC, KSO, KWSC, WABO, WAHG, WAIU, WCAU, WDAF, WEAO, WEBL, WEBW, WFI, WGBF, WGBH, WGHF, WHAS, WHAZ, WIP, WJAZ, WJJD, WJR, WKAF, WKAR, WMAQ, WMAZ, WMC, WNYC, WOI, WOOD, WRC, WRVA, WSB, WSM, WTAM.

Eastern Time Stations

CHIC, Toronto, Can. (356.9m-840kc), 5 p. m., organ recital, Central Technical school; George Graham, organist.
 KDKA, Pittsburgh, Pa. (309.1m-970kc), 11 a. m., service; 4 p. m., Dr. Charles Heinrich, organist; 4:45, vesper; 6:30, dinner concert; 7:15, chimes; 7:45, church service.
 WBAL, Baltimore, Md. (245.8m-1220kc), 6:30-7:30 p. m., WBAL concert orchestra; 8:30-10:30, Baltimore Symphony orchestra; Hilda Hopkins Burke, soprano; Amy Nell, violinist; Castelle vocal ensemble.
 WBBR, New York, N. Y. (272.6m-1080kc), 10 a. m., Watchtower instrumental trio; 10:35, Fred Twarosch, tenor; I. B. S. A. choral singers; 2 p. m., Watchtower orchestra; Fred Twarosch, tenor; 9, Watchtower violin choir.
 WBZ, Springfield, Mass. (333.1m-900kc), 10:45 a. m., Church of the Unity; 6 p. m., Golden Rule hour, Ary Duffer, violinist; Alexander Blackman, violist; George Brown, cellist; Hans Ebell, pianist; 7, Copley Plaza orchestra; 8, Unity quartet; 9, Spalding sextet.
 WCAE, Pittsburgh, Pa. (461.3m-850kc), 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., Epiphany Episcopal church; 4 p. m., Bethlehem chapel; 7:20-9:15, WEAF; 9:15-10:15, WEAF.
 WCAU, Philadelphia, Pa. (277.6m-1080kc), 11 a. m., First Unitarian church; 5, recital; 5:15, Undenominational church services; 5:25, talk, Rev. John W. Stockwell; 6:35, Clarence Seaman and his Penna. hotel orchestra; 7:45, Cathy concert orchestra; 8:30, Bonwit Teller ensemble; 9, Lester-North hour of music; 10, Ten Californians.
 WGX, Detroit, Mich. (516.9m-580kc), 7:15 p. m., Central Methodist Episcopal church.
 WEAF, New York, N. Y. (491.5m-610kc), 2-3 p. m., Sunday Radio service; 3-4, young people's conference; 4-5:30, men's conference; 5:30-6, music; 6-7:20, Shakespeare hour; 7:20-9:15, Capitol theater; 9:15-10:15, Atwater Kent hour, Schola Cantorum.
 WEAR, Cleveland, Ohio (389.4m-770kc), 7 p. m., Lowe's

theater orchestra; 7:45, Fireside hour; 8:30, Vincent Percy, organist; 9:15, WEAF.
 WEEI, Boston, Mass. (348.6m-860kc), 10:50 a. m., Old South Church, Copley Square; 2 p. m., Sager's Hour of Hospitality; 3, Chamber of Commerce organ recital; 5:30, Ecker concert group; 6, Jordan Marsh company's Sparkling Diamonds; 7:20, WEAF; 9:15, WEAF.
 WFI, Philadelphia, Pa. (394.5m-760kc), 4:30 p. m., chapel services.
 WGR, Buffalo, N. Y. (319m-940kc), 10:45 a. m., Westminster church service; 6 p. m., Shakespearean hour; 7:45, Central Presbyterian church service; 9:15, WEAF.
 WGY, Schenectady, N. Y. (379.5m-790kc), 10:30 a. m., First Presbyterian church; 3 p. m., Syracuse, WBB; 4:30, Elmer A. Tidermarsh, organist; 7:15, First Presbyterian 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,
 Baptist church; Mrs. Henry Chambers, organist; 7 p. m., Central M. E. church; W. James Tillison, organist.
 WTAC, Worcester, Mass. (268m-1120kc), 7:20-9:15 p. m., WEAF; 9:15-10:15, WEAF.
 WTIC, Hartford, Conn. (475.9m-630kc), 5 p. m., Prof. Bozayan, organist.
 WWJ, Detroit, Mich. (352.7m-850kc), 7:20 p. m., WEAF; 9:15, WEAF.

Central Time Stations

CKY, Winnipeg, Can. (384.4m-780kc), 7 p. m., All Saints Anglican church; 8:45, First Baptist church concert.
 KFAB, Lincoln, Nebr. (340.7m-880kc), 4-5 p. m., vesper service; 9-11, Sunday evening musicale.
 KFMC, Northfield, Minn. (336.9m-890kc), 7-8 p. m., vespers.
 KFNH, Shenandoah, Iowa (263m-1140kc), 10:45 a. m., First M. E. church; 2:30 p. m., song service; 3,

Lewis; 11:45-1 a. m., Linwood theater feature; Morrill Moore, organist; Don Anchors, poet.
 WHAS, Louisville, Ky. (399.8m-750kc), 9:57 a. m., organ recital; 10, Broadway Baptist church; 4:30-5:30, evensong choral service, Christ Church cathedral.
 WHO, Des Moines, Iowa (526m-520kc), 11 a. m., B'nai B'rith congregation; 4-5 p. m., Hartley Municipal band; 5-6, Bankers Life trio; 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), 6-8 p. m., dinner program; Bernice Taylor, soprano; Robert E. Wessling, baritone; Helen Snyder, mezzo-soprano; Eugene Wallenius, baritone; Robert York, tenor; 10-12 midnight, popular program; Marie Tully, Wayne Myers, Lenore Friedman; Agnes Buchli, soprano; Charles Burke, uke soloist.
 WJAZ, Chicago, Ill. (322.4m-930kc), 7-9 p. m., Spanish Garden studio.
 WJJD, Moosheart, Ill. (370.2m-810kc), 7:45 a. m., Catholic services; 9:40-10:30, Protestant services; 3 p. m., Moosheart Sunday concert.
 WKRC, Cincinnati, Ohio (422.3m-710kc), 6:45 p. m., Walnut Hills Christian church, sacred music; 10, classical program, vocal and instrumental selections; 11:15, Ace Brigade and his Virginians.
 WLIB, Chicago, Ill. (302.8m-990kc), 5-6:30 p. m., chamber music; 6-6:15, non-professional period.
 WLS, Chicago, Ill. (344.6m-870kc), 6:30-7:55 p. m., WLS Little Brown church in the Vale; Emanuel Congregation choir.
 WLW, Cincinnati, Ohio (422.3m-710kc), 9:30 a. m., school; 11, Seventh Presbyterian church; 5 p. m., organ recital; 7:30, First Presbyterian church; 8:30, concert, H. and S. Pogue company orchestra; Amy Hattersley, soprano.
 WMBB, Chicago, Ill. (249.9m-1200kc), 3-5 p. m., matinee program; 7:40-9, Fifth Church of Christ, Scientist; 9-11, Trianon orchestra; Woodlawn theater orchestra; Wellington Forbes; Billie Allen Hoff.
 WNAD, Norman, Okla. (254.1m-1180kc), 9:30 p. m., Prof. Milton Dieterich, violinist; Prof. Josef Noll, pianist; Prof. Adrian Wynnobel, voice; Ann Lee Hamilton, vocalist.
 WOAI, San Antonio, Tex. (394.5m-760kc), 11 a. m., First Presbyterian church; 7:30 p. m., Central Christian church; 9:30, music.
 WOAW, Omaha, Neb. (526m-570kc), 9 a. m., chapel service; 1:30 p. m., classical; 6, Bible study period; 9, Parkvale Presbyterian church.
 WOC, Davenport, Iowa (493.6m-620kc), 1-2:30 p. m., Old Folks' musical program; 8:30-7, Christian 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; Capitol theater musical program; program.
 WORD, Batavia, Ill. (275.1m-1090kc), 10 a. m., I.B.S.A. service; 2 p. m., Bible lecture; Earl E. Cassidy, 2:30, program; 6, Webster hotel trio; 9:30, lecture, music.
 WOS, Jefferson City, Mo. (440.9m-680kc), 9:30 a. m., Christian church; 5 p. m., Christian church; 7:30, Christian church.
 WQJ, Chicago, Ill. (447.5m-670kc), 10-12 noon, Peoples church; 3-4 p. m., St. Ita's Senior choir, St. Ita's Boys' choir; 8-10, Rainbo Garden orchestra; Dr. Carl Bertschinger, pianist; Sheppard Levine, tenor; Marjory Worthington, soprano.
 WRR, Dallas, Texas (245.8m-1230kc), 10:45 a. m., First Baptist church; 7:30 p. m., First Methodist church; 9-10, Dallas Athletic club, First Methodist church.
 WSAI, Cincinnati, Ohio (325.9m-920kc), 11 a. m., service; 3-4:30 p. m., WEAF; 5, WEAF; 7:45, chimes; 9:15, WEAF.
 WSM, Nashville, Tenn. (282.8m-1060kc), 10:30 a. m., First Presbyterian church.
 WSOE, Milwaukee, Wis. (245.8m-1220kc), 8:30 a. m., special humane services; 7:30 p. m., Methodist Episcopal church.
 WSU, Iowa City, Iowa (483.6m-620kc), 9:30 p. m., familiar hymns; William G. Edmondson, 11:20-12:30 p. m., Moody church; 3:30-5, services; 7-9:30, song service.

Mountain Time Stations

KFXF, Colorado Springs, Colo. (249.9m-1200kc), 11 a. m., First Presbyterian church; 5 p. m., "Our Lord Victorious," cantata; 7:30, First Methodist church.
 KOA, Denver, Colo. (322.4m-930kc), 10:30 a. m., Immaculate Conception cathedral; 3 p. m., Malcolm C. Marks, organist; 7:45, Immaculate Conception cathedral.
 KUOM, Missoula, Mont. (243.8m-1230kc), 9:15 p. m., religious and classical music.

Pacific Time Stations

KFI, Los Angeles, Calif. (467m-642kc), 7-7:30 p. m., Grebe Synchronase string ensemble; 7:30-8, Jim Jack and Jean trio; 8-9, Acadian organ; 9-10, Ray Gill and his orchestra; 10-11, Packard Six dance orchestra.
 KFON, Long Beach, Calif. (232.4m-1280kc), 6:30-7:30 p. m., Prest and Dean program; 7:45-9, First Church of Christ, Scientist; 9-10, studio program; 10-11, Burt Pedersen's orchestra.
 KFVB, Hollywood, Calif. (252m-1190kc), 9-11 p. m., Warner Brothers Sunday night movie frolie; Jack Smith's dance orchestra, Frances St. George, the jazz-mania girl.
 KGO, Oakland, Calif. (361.2m-830kc), 11 a. m., First Methodist Episcopal church; Bessie Roland, organist; 3:30 p. m., concert, KGO little symphony orchestra; Merlyn Morse, baritone; 7:30, First Methodist Episcopal church.
 KGW, Portland, Ore. (491.5m-610kc), 10:25 a. m., First Presbyterian church; 7:30-9, First Congregational 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, program, Artland club, Orpheus Four, Burkan Brothers' Hawaiians.
 KJR, Seattle, Wash. (384.4m-780kc), 11-12:30 p. m., First M. E. church; 7:15-7:30, organ recital, Mrs. Montgomery Lynch; 7:30-9, First M. E. church; 9-10:30, Puget Sound Savings and Loan Association orchestra.
 KNX, Hollywood, Calif. (336.9m-890kc), 6:30-7 p. m., Unitarian church service; 8-9 p. m., First Presbyterian Church of Hollywood; 9-10:30 p. m., Beverly Hills Nurseries.
 KPO, San Francisco, Calif. (428.3m-700kc), 9:45-10:45 a. m., Undenominational and nondenominational church; 5-6 p. m., organ recital, Marshall Gismann; 6-6:30, States Restaurant orchestra; 8:35-8:55, Palace hotel concert orchestra; 8:55-10, Rudy Seiger's Fairmont hotel orchestra.
 KPSN, Pasadena, Calif. (315.6m-950kc), 8:45-9:45 p. m., concert, Maryland artists' ensemble.
 KTAB, Oakland, Calif. (239.9m-1250k), 9:45 a. m., Bible lecture, Prof. E. G. Linsley; 11, service; 7:45 p. m., service; 9:30, concert.



With and without! Yes, the gentleman in the circle above is how Clara Kurtz' Chocolate Cake-Eater looks when he isn't chocolate. His name is Frank Hall. This pair of comedians make themselves at home over KOLL, Council Bluffs. Dorothy Prowell, right, is the popular violinist of KGO.

Seaside hotel trio; 7:50, Chelsea Baptist church; 9, an hour with the classics, Seaside hotel ensemble, soloists.
 WHN, New York, N. Y. (361.2m-830kc), 7:30 p. m., Calvary evening services; 10:15, Anatol Friedland; 10:45-11:15, Janssen's Hofbrau orchestra; 12-12:30 a. m., Sophie Tucker's playground.
 WIP, Philadelphia, Pa. (508.2m-590kc), 10:45 a. m., services, Holy Trinity church; 4 p. m., Germantown Gospel mission.
 WJR, Pontiac, Mich. (516.9m-580kc), 10:30 a. m., First Baptist church.
 WLIT, Philadelphia, Pa. (394.5m-760kc), 2 p. m., Areadia cafe concert orchestra; 3:30, Christian Science lecture; 6:30, organ recital; 7, Benjamin Franklin hotel concert orchestra; 7:30, debate on military training.
 WMAK, Buffalo, N. Y. (265.3m-1130kc), 10:25 a. m., First Presbyterian church; 7:30 p. m., Churchhill tabernacle.
 WMCA, New York, N. Y. (340.7m-880kc), 7 p. m., Hotel McAlpin orchestra; 7:30, string ensemble; 8, Mayollans; 9, Parody orchestra; 10:30, Twin Oaks orchestra.
 WOO, Philadelphia, Pa. (508.2m-590kc), 6 p. m., organ recital; 7:30, Bethany Presbyterian church; 9:15, WEAF.
 WPG, Atlantic City, N. J. (299.8m-1000kc), 8:15 p. m., organ recital, Arthur Brook; 4:15, community vocal and instrumental recital; William Stansfield, organist; 9:15, Hotel Traymore concert orchestra; 10, organ recital, Arthur Brook; quartet.
 WREO, Lansing, Mich. (285.5m-1050kc), 10 a. m., chimes, Plymouth Congregational church; 10:30, First

Men's Gospel team; 6:30, Golden Rule circle; 7:30, Christian church service.
 KFRU, Columbia, Mo. (499.7m-600kc), 7:30 a. m., sunrise service; 9:30, Burrill Bible class; 7:30 p. m., Columbia Baptist church.
 KMA, Shenandoah, Iowa (252m-1190kc), 12:15-1:15 p. m., sacred songs service; 4, church choir music.
 KMOX, St. Louis, Mo. (280.2m-1070kc), 9 p. m., popular entertainment, Skouras Brothers' Sunday night club.
 KOLL, Council Bluffs, Iowa (277.6m-1080kc), 11 a. m., First Congregational church; 4 p. m., Clyde Whitney; 7:30, Monday musical club; 11, Hotzy Totsy hour.
 KPRC, Houston, Tex. (296.9m-1010kc), 9:50 a. m., Trinity Lutheran church; 8 p. m., Trinity Lutheran church; 9:30, Paramount Five, male quartet, thirty feet of Texas harmony; 11, Texan theater pipe organ concert, J. Benson Carlisle.
 KSD, St. Louis, Mo. (545.1m-550kc), 6:15 p. m., WEAF; 8:15, WEAF.
 KTHS, Hot Springs National Park, Ark. (374.8m-800kc), 11-12:15 p. m., First Presbyterian church; 9-9:50, New Arlington Hotel Meyer Davis grand ensemble; 9:50-10, Phantom voice; 10-11:30, Arkansas Traveler.
 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, Dr. Bernard Iddings Bell; 9:30-11, classical concert.
 WADC, Akron, Ohio (258.5m-1160kc), 6:30 p. m., Hotel Portage quintet.
 WAMD, Minneapolis, Minn. (243.8m-1230kc), 10:30 a. m., First Unitarian church; 6:15 p. m., dinner concert, stringed orchestra; 6:45, Faust Stock company; 9:30, Gould banjo club.
 WBAP, Fort Worth, Tex. (475.9m-630kc), 11 a. m., First Presbyterian church; 5-6 p. m., Hollis, Oklahoma main quartet; 9:30-11, Texas hotel orchestra.
 WBBM, Chicago, Ill. (225.4m-1330kc), 12:30-2 p. m., music; 4-6, Sunday matinee; 8-10, Alenite orchestra; Pauline Stiffer Atlas, violinist; 12-2 a. m., Natty elub.
 WCCB, Zion, Ill. (344.6m-870kc), 8 p. m., Zion choir; male quartet, mixed quartet.
 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), 8-4 p. m., orchestra, choir, First English Lutheran church; 4-4:45, Sabbath vespers, International Bible Students' association.
 WEBH, Chicago, Ill. (370.2m-810kc), 10-10:12 noon, Seventh Church of Christ, Scientist; 5-6 p. m., twilight musicale; 7-9, news; Oriole orchestra; artists.
 WENR, Chicago, Ill. (265.3m-1130kc), 2-3 p. m., Skeeles-Biddle hour; 3-4, Moody Bible Institute hour, 6-7, Moody Bible Institute evening hour; 9:30-12 midnight, All-American Pioneers.
 WFAA, Dallas, Tex. (475.9m-630kc), 6-7 p. m., Bible class, First Presbyterian church; 7:30-8:30, First Methodist Episcopal church; 8:30-9:30, Tom D. Collins and his stringed instrument orchestra; 11-12, Jimmie Joy's orchestra.
 WGN, Chicago, Ill. (302.8m-990kc), 6:45-7 p. m., musical program; 7-7:20, "The Million Sing"; 7:45-8:15, Drake concert ensemble, Blackstone string quintet; 8:15, WEAF; 9:15, old-time music room "Schuman"; 10, Sam 'n' Henry; 10-10, old-time favorites; 10:20-11, musical program ensemble.
 WGST, Atlanta, Ga. (270.1m-1110kc), 7-8 p. m., operatic program, Emilio Volpu, director.
 WHB, Kansas City, Mo. (365.6m-820kc), 9:40-10:45 a. m., Linwood Blvd. Christian church; 11:15-12:30 p. m., Independence Blvd. Christian church; 8-9:15, Sinclair

GENERAL TALKS AND SPEECHES

Saturday, April 17

Eastern 7:45 p. m.	Central 6:45 p. m.	Mountain 5:45 p. m.	Pacific 4:45 p. m.
WRG (468.5m-930kc) "The Work of Congress."	8:15	7:15	6:15
WGB (305.2m-740kc) "The Versatile Thomas Jefferson," Emanuel Celler.	9	8	7
WCCO (416.4m-720kc) "Fireside Philosophies," Rev. Roy L. Smith.	9:30	8:30	7:30
KOB (348.6m-890kc) Address, Carl Magee.	9:30	8:30	7:30
WMAQ (247.5m-670kc) Photologue.	9:30	8:30	7:30

Monday, April 19

Eastern 7 p. m.	Central 6 p. m.	Mountain 5 p. m.	Pacific 4 p. m.
WDAF (365.6m-820kc) Address, Edgar A. Linton.	8:35	7:35	6:35
WSM (282.8m-1060kc) American Forest week, R. S. Maddox.	11:05	10:05	9:05
KGO (361.2m-830kc) "Rebuilding the Forests," C. J. Hansen.	11:25	10:25	9:25
KGO (361.2m-830kc) "Chats About New Books," Joseph Henry Jackson.	11:50	10:50	9:50
KGO (361.2m-830kc) "Our Indian Girls," Eugene B. Lawson; "Our Negro Girls," Mrs. Ruth Moore.	11:50	10:50	9:50

Tuesday, April 20

Eastern 7:30 p. m.	Central 6:30 p. m.	Mountain 5:30 p. m.	Pacific 4:30 p. m.
WHAR (275.1m-1090kc) Industrial talk, R. Orville Ketchum.	8	7	6
WMAQ (447.5m-670kc) Boy's talk, Harry Hansen.	10:30	9:30	8:30
WCCO (416.4m-720kc) "Outdoors in Minnesota."	10:30	9:30	8:30

Wednesday, April 21

Eastern 8:15 p. m.	Central 7:15 p. m.	Mountain 6:15 p. m.	Pacific 5:15 p. m.
WJZ (454.3m-660kc) Zoological society series.	8:15	7:15	6:15

Eastern 9:15 p. m.	Central 8:15 p. m.	Mountain 7:15 p. m.	Pacific 6:15 p. m.
WCAU (277.6m-1080kc) Topics of the day, Senator Haassenpfefer.	10:30	9:30	8:30
KWSC (348.6m-860kc) Book review, Alice Lindsay Webb.	10:30	9:30	8:30

Thursday, April 22

Eastern 7 p. m.	Central 6 p. m.	Mountain 5 p. m.	Pacific 4 p. m.
WIP (508.2m-590kc) Talk, Dr. Henry Leffman.	7:30	6:30	5:30
WGO (379.5m-790kc) WGY book chat, William F. Jacob.	7:45	6:45	5:45
WHAR (275.1m-1090kc) Historical facts, Harry H. Haerberly, Jr.	7:45	6:45	5:45
WMAK (265.3m-1130kc) "Shade Trees," Charles Bly.	7:45	6:45	5:45
WRC (468.5m-930kc) Political situation, Frederic William Wile.	7:45	6:45	5:45
KMTR (238m-1260kc) "Color Photography," Charles W. Beam.	12 m.	11	10
KGO (361.2m-830kc) "Wonders of the Sky," Henry M. Hyde.	12 m.	11	10

Friday, April 23

Eastern 7 p. m.	Central 6 p. m.	Mountain 5 p. m.	Pacific 4 p. m.
WOAW (526m-570kc) Music review, Hester Bronson Copper.	7:45	6:45	5:45
WEEI (272.6m-1100kc) "Flying over Florida," Lieut. George Pond.	8:30	7:30	6:30
WCAL (336.9m-890kc) Book talk, Dr. George Weida Spohn.	10:15	9:15	8:15
KEJ (405.2m-740kc) "Airports and their Effect on Municipalities," W. D. Waterman.	10:30	9:30	8:30
KHJ (405.2m-740kc) "Romance of Santa Fe Trail," Gladys De Witt.	12:30 a. m.	11:30	10:30
KPO (428.3m-700kc) American Forest week talk.	12:30 a. m.	11:30	10:30

Monday, April 19

Headliners Today

Eastern 7:45 p. m.	Central 6:45 p. m.	Mountain 5:45 p. m.	Pacific 4:45 p. m.
WGYY (379.5m-790kc) Juvenile string quartet.	8:30	7:30	6:30
WBAP (475.9m-630kc) Aboard the "Crimson Limited."	9	8	7
WDAF (365.6m-820kc) Ivanhoe band, glee club.	9	8	7
WEAF (491.5m-610kc) WOOD, WCAE, WJAR, WCAP, WTAC, WTIC, W			

SINCLAIR LEWIS TO SPEAK AT WHB

Monday, April 19

Eastern 11 p. m.	Central 10 p. m.	Mountain 9 p. m.	Pacific 8 p. m.
CHIC (356.9m-840ke) Musical comedy selections.	WBAZ (379.3m-750ke) Philmont Silver band.	WYAZ (422.3m-710ke) Modern musical comedies.	WOOD (241.8m-1240ke) "Gladiolus at the Ranch."
11:35	10:35	9:35	8:35
KTHS (374.8m-800ke) Harmony twins.			

Monday, silent night for: CKAC, CNRA, CNRC, CNRE, CNRM, CNRO, CNRR, CNRT, CNRV, CNRW, KFAU, KFMX, KFWA, KHI, KPSN, KSCA, KUOA, KYW, WBBM, WCB, WEOA, WEBH, WEBL, WEBW, WENR, WGBF, WGBS, WGES, WGN, WHAS, WHT, WIBO, WIP, WJAZ, WJJD, WLIB, WLS, WMAA, WMBB, WOAI, WOC, WOK, WORD, WOS, WQJ, WRC.

Eastern Time Stations

CHIC, Toronto, Can. (356.9m-840ke), 8 p. m., Magic Baking Powder entertainers; 11, musical comedy selections; trio; Mrs. K. Zimmerman, soprano; Olga Tough, contralto; Blake Lister, tenor; Harvey Doney, baritone.

KDKA, Pittsburgh, Pa. (309.1m-970ke), 9:55 p. m., Roud light opera hour.

WABQ, Haverford, Pa. (260.7m-1150ke), 11 p. m., Ardmore theater program; Horace Hustler, organist; William Stewart, pianist.

WBAL, Baltimore, Md. (245.8m-1220ke), 7:30-8 p. m., Peabody Conservatory of Music; 8-9, Edith Gwinn, soprano; Neenah Wood, contralto; Arthur Morgan, violinist; 9:10-10, Eastwood Lane, pianist; Modena Seville, pianist.

WAHG, Richmond Hill, N. Y. (315.6m-954ke), 7:30 p. m., boy scout program; 7:45, Dorathia Krueginger, soprano; 8, Synchrophase hour; 9:15, William Helfenstein, baritone; 9:30, John Diehl, zither soloist; 10:02, Cliff Ulrich and Charlie Myers, songs; 10:30, Joe Zimmerman, orchestra; 12, "The Orionites."

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

WBBR, New York, N. Y. (272.6m-1100ke), 8 p. m., Syrian music, vocal selections.

WBZ, Springfield, Mass. (333.1m-900ke), 6:35 p. m., Hotel Lenox ensemble; 7:30, Rene Dagenais, organist; 8, Capitol theater orchestra; 9:30, Patriots Day program; 10:30, Leo Reisman and his Hotel Brunswick orchestra.

WCAE, Pittsburgh, Pa. (461.3m-650ke), 6:30 p. m., dinner concert, William Penn hotel; 8, studio concert; 9, studio concert; 10, WEAF; 11:05, dance orchestra.

WCAP, Washington, D. C. (468.5m-640ke), 6-11 p. m., Washington Post program; WEAF.

WCAU, Philadelphia, Pa. (277.6m-1080ke), 7:30 p. m., recital, N. Snellenburg and company; 8, Carolyn Thomas, soprano; Ella Jaquette Kratz, pianist; 8:30, Hood Boys; 8:45, Enright's Gems; 9, Merry Minstrels; 9:30, E. P. Caragan, mime; 9:40, Jackson and Ellis, Radio sweethearts; 10, Madrigal mixed quartet.

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

WEAF, New York, N. Y. (491.5m-610ke), 4-12 mid-night, Marie Stapleton Murray, soprano; Etta Kabram, Pauline Sternlicht, pianists; Earl C. Little, bass; Vincent Lopez and his orchestra; Marie Davis, pianist; A. and P. Gypsies; WEAF Grand opera company; Ben Bernie and his orchestra.

WEAO, Columbus, Ohio (293.9m-1020ke), 7:35 p. m., music.

WEAR, Cleveland, Ohio (389.4m-770ke), 7 p. m., Allen theater orchestra.

WEI, Boston, Mass. (348.6m-860ke), 7:30 p. m., Black Iron Shiners; 8, Poetic Walker; 8:15, musicale; 9, WEAF; 10, Joe Bines and his Hunters Cabin orchestra.

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

WGBS, New York, N. Y. (315.6m-950ke), 6:30 p. m., Association of Reformed Rabelais.

WGH, Clearwater, Fla. (265.3m-1130ke), 6:30-7:30 p. m., Gray Moss Inn; 8:30-10, program, W. K. Parnell, baritone; L. W. Joy, pianist; Fred Sampanaro, banjoist; 11:45-1 a. m., Ramble.

WGR, Buffalo, N. Y. (319m-940ke), 6:30 p. m., Joe Armstrong's orchestra; 8:15, Ragnhild Simonson Rhode, featured in piano and vocal program; 9, Mrs. Harry Roberts and associates in popular program; 10, Marion Healy; 11, Vincent Lopez's Hotel Statler dance orchestra; John F. Gundersen, organist.

WGW, Schenectady, N. Y. (379.5m-790ke), 6:30 p. m., Hotel Van Curler orchestra; 7:45, Juvenile string quartet; 9:40, dinner, Schenectady County Republican organization, Senator James W. Wadsworth, Jr.

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

WHAZ, Troy, N. Y. (379.5m-790ke), 10 p. m., vaudeville; 11, Philmont silver band.

WHN, New York, N. Y. (381.2m-830ke), 6 p. m., Woodmanston Inn orchestra; 7:30, Joe Ward's Swanee entertainers; 8:05, orchestra; 8:30, George's Surprise; 9:30, Loew's New York orchestra; 10, orchestra.

WIP, Philadelphia, Pa. (508.2m-590ke), 8:05 p. m., Benjamin Franklin hotel concert orchestra.

WJR, Pontiac, Mich. (516.9m-580ke), 7 p. m., Jean Goldkette's Petite symphony orchestra; 7:15, Caspar Lincangam entertainers; 7:45, music; 9, Paige and Jewett Sixes; 11:30, Merry Old Chief.

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

WMAK, Buffalo, N. Y. (265.3m-1130ke), 7:30 p. m., Murray Whitman and serenaders; 8:30, musicale; 9-10, Philco hour; 10-11, Beaver Products company.

WMCA, New York, N. Y. (340.7m-880ke), 6 p. m., Hotel McAlpin string ensemble; 6:30 orchestra; 7:30, Kurtz Karnival Kings; 11:30, Jack Denny's orchestra; 12, entertainers; 12:30, orchestra.

WNYC, New York, N. Y. (526m-570ke), 7:45 p. m., songs; 8:15, piano; 8:45, instrumental program.

WOO, Philadelphia, Pa. (508.2m-590ke), 7:30 p. m., Sylvania orchestra; 8, WEAF.

WOR, Newark, N. J. (405.2m-740ke), 7:30 p. m., Copenhagen quartet; 9:30, Spanish Symphony orchestra; 10:45, Hofbrau Haus orchestra; 11:15, Billy Rose's Fifth Avenue club orchestra.

WPG, Atlantic City, N. J. (299.8m-1000ke), 6:45 p. m., organ recital, Arthur Brook; 7:10, Hotel Morton dinner music; 7:30, Elka home dinner dance music; 8:40, Alice Sachse, pianist; 9, Hotel Ambassador concert orchestra; 10, Hotel Traymore dance orchestra; 11, Silver Slipper supper club, Eddie McKnight's dance orchestra.

WREO, Lansing, Mich. (285.5m-1050ke), 6-7 p. m., dinner concert, Speed-Wagon Serenaders; Gold Standard ensemble.

WRVA, Richmond, Va. (256.3m-1170ke), 8:10 p. m., popular songs, Pat Bradford, Bright Keach; 9:15, juvenile stars; 9:45, Melodians orchestra; 11:30, Carry Me Back to Old Virginia.

WTAG, Worcester, Mass. (268m-1120ke), 8:30-9 p. m., Broad and Long; 9-10, Robin Hood hour of music; 10-11, WEAF.

WTIC, Hartford, Conn. (475.9m-630ke), 6:50 p. m., Hub trio; 8:30, Capitol theater orchestra; 9, popular songs, F. J. Cremin; 9:30, Emil Heimberger's Hotel Bond dance orchestra; 10, grand opera hour; 11, Travelers symphonic ensemble.

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

Central Time Stations

CKY, Winnipeg, Can. (384.4m-780ke), 8:30 p. m., concert; 10, old-time music, Roseland dance gardens; 11, revue, Capitol theater.

KFAB, Lincoln, Neb. (340.7m-880ke), 5:30-6:30 p. m., dinner concert; 8:30-10:30, Bolshaw's orchestra; Harmony Boys, vocal and piano; Cowbell Boys; Harriet Cruise, oriole of the air.

KFKU, Lawrence, Kan. (275.1m-1090ke), 7:15 p. m., Raymond Lawrenson, pianist; Esther Ott, soprano.

KFKK, Hastings, Neb. (288.3m-1040ke), 9 p. m., musicale, Methodist church.

KFNF, Shenandoah, Iowa (263m-1140ke), 7 p. m., concert.

KFRU, Columbia, Mo. (499.7m-600ke), 6:15 p. m., dinner music.

KMA, Shenandoah, Iowa (252m-1190ke), 6-7 p. m.,

Gibson orchestra; 7:30, theatrical feature; 10, modern musical comedies, Crosley little symphony orchestra; Crosley male quartet.

WMC, Memphis, Tenn. (499.7m-600ke), 8:30 p. m., concert, Mme. Valentina Tumanaskaya.

WNAD, Norman, Okla. (254.1m-1180ke), 7:20 p. m., Bernice Wyson, pianist; Helen Bailey, violinist; Tessie Rudell, vocalist; Rachael Bedford, reader; Hettie May Russell, violinist.

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

WOL, Iowa City, Iowa (270.1m-1110ke), 8 p. m., Iowa Industrial school.

WOOD, Grand Rapids, Mich. (241.8m-1240ke), 9-10 p. m., classical concert, Yeagla orchestral trio; 10-11, Mills-Wetzel presentation, "Gladiolus at the Ranch," play; ensemble; 11-1 a. m., Wild and Woolly Wood Workers' club; Merle Compton and his orchestra.

WOS, Jefferson City, Mo. (440.9m-680ke), 8:15 p. m., string ensemble.

WRR, Dallas, Tex. (245.8m-1230ke), 6-7 p. m., Jack Turner's orchestra; 8-9, Magnolia Petroleum company orchestra; 11-12, Pantage's vaudeville program.

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

WSB, Atlanta, Ga. (428.3m-700ke), 8 p. m., Merry-makers' orchestra; 10:45, Chamber of Commerce program.

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

WSM, Nashville, Tenn. (282.8m-1060ke), 6:30 p. m., Francis Craig's orchestra; Mrs. Robert Caldwell, contralto; artists; 10, Vito Pelletieri's orchestra.

WSOE, Milwaukee, Wis. (245.8m-1220ke), 9 p. m., Candygram frolic, Manhattan Beach orchestra; Al Nitz, tenor; Lorraine Hug, pianist; guest artists.

WSUI, Iowa City, Iowa (483.6m-820ke), 8:30 p. m., Bohemian program.

Mountain Time Stations

KOA, Denver, Colo. (322.4m-930ke), 6:30 p. m., Brown Palace string orchestra; 8, sacred cantata, "Ruth, the Moabitess," choir, Christ Methodist Episcopal church; KOA orchestra; P. G. Zieschang, pianist; Mrs. E. F. Loessel, soprano; Helen Doughty, pianist; Esther Uhlmann, pianist; 9:40, "A Step On the Stairs."

KUOM, Missoula, Mont. (243.8m-1230ke), 8 p. m., vocal, instrumental and ensemble music.

Pacific Time Stations

KFI, Los Angeles, Calif. (467m-642ke), 6:45 p. m., Radiatorial period; 7-8, Owen Fallon's Californians; 8-9, studio program; 9-10, Walter M. Murphy Motors company; Milsha Gerna orchestra; Olga Steffani, contralto; Virginia Flohr, soprano; 10-11, Meiklejohn Brothers.

KFON, Long Beach, Calif. (232.4m-1280ke), 7-8 p. m., Prizma; hotel dance orchestra; 8-9, Press-Telegram studio; 9-11, KFON artists' frolic; 11-12, State theater organ.

KFWA, Ogden, Utah (260.7m-1150ke), 9-10 p. m., Syncoopers orchestra.

KFWB, Hollywood, Calif. (252m-1190ke), 6:30-7:30 p. m., Pontiac Six dinner hour; 7:30-8, program, Dr. Ralph Mitchell and associated dentists; 8-9, program, Corduroy Tire company; 9-10, program, Star Motor Car company; 10-11, Warner Brothers frolic, direction, Charlie Wellman.

KFX, Colorado Springs, Colo. (249.9m-1200ke), 8:30 p. m., Dorothy Ehler Phillips, soprano; Lucinda Slutt, contralto; Evelyn Bissell, pianist.

KGO, Oakland, Calif. (361.2m-830ke), 6-6:55 p. m., dinner concert, Knickerbocker trio; 8, Arlon trio.

KGW, Portland, Ore. (491.5m-610ke), 6-7 p. m., Olds, Wortman and King company; 8-9, music; 9-10, instrumental music.

KJR, Seattle, Wash. (384.4m-780ke), 7-8:30 p. m., Sears, Roebuck and company program; Mendelssohn trio; 8:30-10, Post Intelligence studio program.

KLX, Oakland, Calif. (508.2m-590ke), 6:30-7 p. m., Athens Athletic club orchestra; 8-9, Martinez night; 9-10:30, Lake Merritt Ducks.

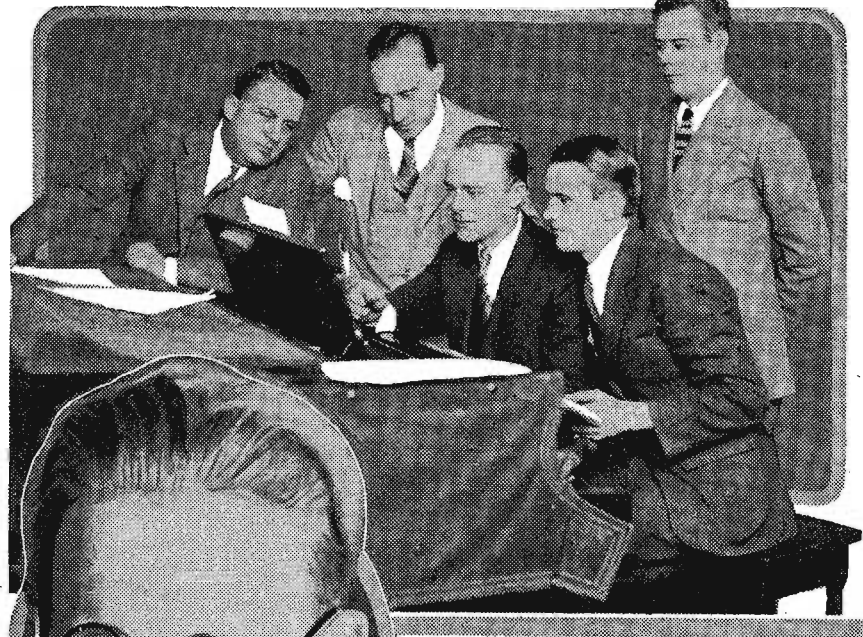
KMTR, Hollywood, Calif. (238m-1260ke), 7:30-8 p. m., Y. M. C. A. musical program; 8-10, KMTR concert orchestra; 10-11, Starr Piano company studio.

KNX, Hollywood, Calif. (336.9m-890ke), 6:30-7 p. m., Atwater Kent orchestra; 7:30-8, Overall's Furniture company; 8-9, L. W. Stockwell company; 9-10, Beste Dental system; 10-11, Goodrich Silvertown Cord dance orchestra; 11-12, Ambassador hotel dance orchestra.

KPO, San Francisco, Calif. (428.3m-700ke), 6:30-7 p. m., States restaurant orchestra; 7-7:30, Rudy Seiger's Fairmont hotel orchestra; 8:10-9, Palace hotel dance orchestra; 9-10, KFI program; 10-11, Cabiria cafe dance orchestra.

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

KWSC, Pullman, Wash. (348.6m-860ke), 7:30-9 p. m., Edith Johnson, pianist; Dorothy Sage, violinist; Olive Price, vocalist.



Rehearsing "The Prisoner's Song," is the probable occupation of the Teaberry quartet, above. Teaberry time means Friday night at KDKA, with a little classical music, a few popular songs, and just the right proportion of comedy. Ed King, right, is the cartoon teacher at WTIC, Hartford. Every Friday evening he gives young cartoonists advice.

"a Step On the Stairs"

Broadcast as a Play EPISODE EIGHT—THE SETTING

EPISODE SIX continues in the high-beamed hunt-room, the room that has been the scene of so 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 Millford Jones. The scene 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 intruders begin tearing up the bricks around the hearth. Aunt Helen cries there is a corpse at her feet. Mary Williams obtains a gun and, concealed, guards the front door exit while Hari Singh, without, guards the side door. One intruder, as they all seek escape, is shot by Mary. The front door suddenly opens, casting and all and the place is raided by police and state troopers. The raid leader calls Henry Graves by the name of "Doggy" French, evidently a known criminal. The eighth episode opens.

THE CAST

- Frederick Ardwyn.....Peleg Turner's lawyer
- Mary Williams.....A youthful guest
- Hari Singh.....Hindu servant of Peleg Turner
- Captain Phelps and Lieutenant Cass.....State troopers
- Henry Graves alias "Doggy" French.....
-A mysterious man Mary had known formerly
- Maurice Tolliver.....A youth and relative
- Mr. Everett.....Chief of Portsmouth narcotic squad
- John Carton.....Nephew of Peleg Turner

WHERE AND WHEN TO DIAL

KGO, Oakland, Calif. (361.2m-830ke), Eighth episode at 9:45 p. m. Pacific time, Saturday, April 17.

KOA, Denver, Colo. (322.4m-930ke), Eighth episode at 9:40 p. m. Mountain time, Monday, April 19.

WBAP, Fort Worth, Tex. (475.9m-630ke), Fourth episode at 11 p. m. Central time, Thursday, April 22.

WCCO, Minneapolis-St. Paul, Minn. (416.4m-720ke), Eighth episode at 10:05 p. m. Central time, Tuesday, April 20.

WGY, Schenectady, N. Y. (379.5m-790ke), Seventh episode at 8:15 p. m. Eastern time, Friday, April 16. Eighth episode same time, April 23.

WHO, Des Moines, Iowa (526m-570ke), Eighth episode at 2:30 p. m. Central time, Monday, April 19.

WLW, Cincinnati, Ohio (422.3m-710ke), Eighth episode at 8:30 p. m. Central time, Saturday, April 17.

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

WNAC, Boston, Mass. (280.2m-1070ke), Eighth episode at 8:30 p. m. Eastern time, Wednesday, April 14. Ninth episode at same time, April 21.

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

WOAW, Omaha, Neb. (326m-570ke), Eighth episode at 8 p. m. Central time, Saturday, April 17.

WOC, Davenport, Iowa (483.6m-620ke), Eighth episode at 10:30 p. m. Central time, Friday, April 16. Ninth episode same time, April 23.

WOR, Newark, N. J. (405.2m-740ke), Eighth episode at 10:30 p. m. Eastern time, Saturday, April 17.

WRC, Washington, D. C. (468.5m-640ke), Seventh episode at 8:15 p. m. Eastern time, Friday, April 16. Eighth episode same time, April 23.

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

RA GIVES PROGRAM OF GAELIC MUSIC

Air might be the title of the the Moline Plowboys who are for themselves by their singing at WOC, Davenport. To the tor of KSAI, Grace Rainie. To yan, contralto of WGN. Miss ed Mill" Saturday.
Ryan Photo by Drake Studio.



ANCING

entral Time
ay, April 17:
Wnyc, Wpg;
Waa; 8:35, Wgy;
h, Weei, Wmbb,
Wreo; 9:10, Kths,
30, Kths, Wgbs,
Wrc; 10, Kfve,
Koa, Kpo, Wcaf,
Vjr, Wkrc, Wmca,
Wor, Wqj, Wreo,
10:05, Wcco;
Wamd; 10:45,
11, Kfvg, Kfwa,
Koa, Webb, Wfaa,
Who, Woc; 11:30,
11:45, Wdaf; 12,
Kgo, Kgw, Knx,
Wjzd.
ay, April 19: 8,
9, Weei, Wgbu,
Wor; 9:15, Wahg;
Wgbu, Wgcp,
10:15, Wkfa,
Koa, Wgcp,
Kgw, Koll,
Wgcp, Wgr, Whn,
11:45, Wdaf; 12,
Khl, Knx, Kpo,
11, Wqj.
esday, April 21:
r, Webb, Wgbu,
Whn, Who, Wmbb,
s, Wtic; 9:15,
9:30, Wbap, Who,
10, Kfve, Wbap,
Vgbu, Wgcp, Wqj;
Wcco; 10:30,
Whn; 11, Koll,
Wb, Whn, Wgbu,
Wwr, Whn; 11:45,
12, Kfwa, Knx,
7jzd.
ay, April 22:
9, Webb, Weei,
Wbn, Wjr,
Waf, Wlg; 9:05,
Vip; 9:30, Wgbs,
Vhn; 9:35, Wney;
s, Wbmn, Wcaf,
Whn, Wmca, Wgaf,
0:30, Kths, Whn,
Wgbu, Whn, Woc,
Wdaf; 12, Kgo,
nx, Kpo, Wjzd.
y, April 23: 8,
9, Wex, Webb,
Wg b u, Wgcp,
9:15, Wahg; 9:30,
Whn; 10, Kfve,
ths, Wgbu, Wgcp,
Vgr, Wqj.

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

Pacific Time Stations

CNRC, Vancouver, Can. (291.1m-1080kc), 8:30 p. m., studio program; Charles Marsh, pianist; Jessie Belden, cellist; B. Morgan, violinist; Gordon Marsh, violinist; Mrs. Hazen Phillips, vocalist; 10:30, Cabaret Belmont orchestra; Bebe Muller, soprano.
KFI, Los Angeles, Calif. (467m-642kc), 7-8 p. m., Chinese Gardens orchestra; 8-9, Patrick-March string quartet; 9-10, program, A. V. Shotwell corporation; 10-11, Packard Ballad hour.
KFOH, Long Beach, Calif. (232.4m-1280kc), 8-9 p. m., Press-Telegram studio; 9-11, Long Beach Aero club frolic.
KFWB, Hollywood, Calif. (252m-1190kc), 6:30-7:30 p. m., Pontiac Six Dinner hour; 8-9, Patrick-March dance orchestra; Betty Patrick, soloist; 9-10, Guzman trio; 10-11, Warner Brothers frolic.
KGO, Oakland, Calif. (361.2m-830kc), 8-9 p. m., Eveready program; Mishel Plastro, violinist; Lev Shorr, pianist; 9:10-10, Bernice Giffen, soprano; Walker Sisters; Al Rosa, baritone; Ladies' quartet; Triple male quartet; Frances Minton, accompanist; 10-12 midnight, dance music; Madison's Midshipmen.
KGW, Portland, Ore. (491.5m-610kc), 6-7 p. m., Olds, Wortman and King company; 8-10, Alicia McElroy quartet; 10-12, Herman Kenin's dance orchestra.
KHJ, Los Angeles, Calif. (405.2m-740kc), 8-10 p. m., de luxe program featuring Frederick MacMurray, viola.
KJR, Seattle, Wash. (384.4m-780kc), 7-8:30 p. m., musical program, Cornish artistic ensemble; 8:30-10, Puget Sound Savings and Loan association orchestra.
KMTR, Hollywood, Calif. (238m-1260kc), 8-7 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 concert orchestra; 7-7:45, program, Geo. E. Read, Inc.; 8-9, Killgrove's Junior symphony; 9-10, Jack Cronshaw's orchestra; 10-12 midnight, Ambassador hotel dance orchestra.
KPO, San Francisco, Calif. (428.3m-700kc), 6:30-7 p. m., States restaurant orchestra; 7-7:30, Rudy Seiger's orchestra; 8-9, studio program; 9-10, Mona Motor Oil company's program; harmony team, Gypsy and Marta; trio; 10-11, Palace hotel dance orchestra.
KPSN, Pasadena, Calif. (315.6m-950kc), 8-9 p. m., Star-News concert hour; Adolf Tandler instrumental group.
KTAB, Oakland, Calif. (239.9m-1250kc), 8-10 p. m., Mills college.

Wednesday, April 21

Headliners Today

Eastern	Central	Mountain	Pacific
8 p. m.	7 p. m.	6 p. m.	5 p. m.
WBZ (333.1m-900kc) Hampden quartet.			
WIZ (494.3m-660kc) Imperial Imps.			
WTIC (475.9m-630kc) Arcadia Ladies' quartet.			
9:15	8:15	7:15	6:15
WHO (526m-570kc) Four Musketiers.			
10:30	9:30	8:30	7:30
KTHS (374.8m-800kc) Indian music.			
11	9	8	
WOS (440.9m-680kc) Dulcimer soloist.			

Wednesday, silent night for: CHIC, CKAC, CKNC, CNRA, CNRC, CNRE, CNRM, CNRR, CNRT, CNRV, KFAU, KFXF, KGO, KLD, KMMI, KOB, KOL, KPSN, KSAC, KTAB, KUOA, WABQ, WAU, WBAL, WBAF, WBBR, WCAL, WCBD, WEBW, WFAA, WGBF, WGBS, WGPC, WHAR, WHAZ, WIP, WJAD, WJAZ, WLWL, WMC, WOAI, WQAW, WOI, WPG, WRC, WRR.

Eastern Time Stations

CNRM, Montreal, Canada (410.7m-730kc), 8:30 p. m.,

instrumental music night, concert orchestra; W. Stevenson, baritone; Herve Baillarge, flutist; G. Markowski, violinist.
CNRO, Ottawa, Canada (435.8m-688kc), 8 p. m., Chateau Laurier concert orchestra; 9, Madame Milville Belleau, pianist; Milville Belleau, bass; Emile Boucher, tenor; Madame Emile Boucher, soprano; Chateau Laurier dance orchestra.
KDKA, Pittsburgh, Pa. (309.1m-970kc), 6:30 p. m., dinner concert; 8:30, Fire Brigade orchestra.
WAHG, Richmond Hill, N. Y. (315.6m-945kc), 7:45 p. m., Jimmy Smith, banjoist; 8, Michael Lambert, cellist; 8:15, Conrad Scheicher, flutist; 8:30, Michael Lambert, cellist; Edythe Lambert, soprano; 9, Conrad Scheicher, flutist; 9:15, studio program; 10:02, Milton Schwartz, violinist; Milton Katz, pianist; 10:30, Colonial dance orchestra.
WBZ, Springfield, Mass. (333.1m-900kc), 8:30 p. m., Hotel Kimball trio; 6:45, Hotel Lenox ensemble; 7, Hotel Kimball trio; 8, Hampden male quartet; 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., WEAF.
WCAU, Philadelphia, Pa. (277.6m-1090kc), 7:30 p. m., recital, Henry Hotz, bass; Virginia Klein, pianist; 8:10, Joe Murphy, "banjoist"; 8:30, Clarence Seaman and his Hotel Pennsylvania orchestra; 9, Helen Travis Hoel, soprano; 9:25, Ruppert and McCullough, banjoists; 9:45, Maurice Patton, tenor; Harry Reudy, baritone; 10:10, Rogers and Chapman, harp and harmonica; 10:30, Carl Zedlins, Louis Hirschler, songs; 10:45, Frank Cook, old-time songs; 11, Arthie Bitzong, Cheer-up club.
WCCX, Detroit, Mich. (516.9m-580kc), 6-7 p. m., Goldkette ensemble; 8-9, studio program.
WEAF, New York, N. Y. (491.5m-610kc), 4-12 midnight, Parnassus string trio; Elizabeth Smyth, soprano; Vincent Lopez and his orchestra; Chamber Musicale; Shinola Merry-makers; Davis Saxophone octet; Ipana Troubadours; Hughie Barrett and his orchestra.
WEAO, Columbus, Ohio (293.9m-1020kc), 8:15 p. m., music; 9, orchestra.
WEAR, Cleveland, Ohio (389.4m-770kc), 7 p. m., Hotel Cleveland orchestra.
WEBJ, New York, N. Y. (272.6m-1100kc), 8 p. m., Raymond orchestra; 8:45, Joseph Turkel, tenor; 9, Milton Yokeman, tenor; 9:15, Alfred Dulin, concert pianist; 9:30, McLean's dance orchestra.
WEEI, Boston, Mass. (348.6m-860kc), 6:13 p. m., Joe Lines and his Hunters Cabin orchestra; 8-11, musicale.
WFI, Philadelphia, Pa. (394.5m-760kc), 6:30 p. m., Bellevue Stratford concert orchestra; 7, Bellevue Stratford dance orchestra.
WGH, Clearwater, Fla. (265.3m-1130kc), 6:30-7:30 p. m., dinner music; 8:30-9:30, Rex Danzler, tenor; Marion Hoffman, pianist; 11:45-1 a. m., Grabam Prince and his orchestra.
WGR, Buffalo, N. Y. (319m-940kc), 6:30 p. m., Gospel Molders; 8, WEAF; 10, E. A. Willis Wallpaper and Paint stores program; 10:30, E. C. Weasner popular program; 11, Club Royale orchestra.
WGY, Schenectady, N. Y. (379.5m-790kc), 7 p. m., Eastman theater, WEAM; 8:05, WEAM.
WHN, New York, N. Y. (361.2m-830kc), 7:30 p. m., organ recital; 8, Vogue entertainers; 9:10, orchestra; 10:30, Anatol Friedland; 11, orchestra; 12, Cotton Club orchestra.
WIP, Philadelphia, Pa. (508.2m-590kc), 6:05 p. m., Benjamin Franklin concert orchestra; 7, pupils, Louis Streret Hazel studio.
WJR, Pontiac, Mich. (516.9m-580kc), 7 p. m., Petite symphony; 7:45, Goodwill; 9, Jean Goldkette's orchestra; 11, organ; 12, Jewett Jesters.
WLIT, Philadelphia, Pa. (394.5m-760kc), 8:30 p. m., Progress Points; 10, Arcadia cafe dance orchestra; 10:45, El Patio dance orchestra.
WMAK, Buffalo, N. Y. (265.3m-1130kc), 7:30 p. m., Harry Jackson, tenor; 8-8:50, George Hurst, violinist; Mrs. Saxsmith, pianist; 8:50-9:30, musicale; 9:30-10, Mrs. Gertrude Zimmerman.
WMCA, New York, N. Y. (340.7m-880kc), 6 p. m., Hotel McAlpin string ensemble; 6:30, orchestra; 9, Mamaronck night; 10:30, Creole Folles; 11, Hofbrau Haus entertainers; 11:30, Jack Denny's orchestra; 12 midnight, entertainers; 12:15, Parody orchestra.
WNYC, New York, N. Y. (526m-570kc), 7:45 p. m., songs; 8:15, piano; 9, debate.
WOP, Philadelphia, Pa. (508.2m-590kc), 7:30 p. m., Ritz-Carlton orchestra; 8, WEAF; 9:25, Rev. Forest Dagar; 10, Fox theater studio program; 10:30, Sylvania dance orchestra.
WOR, Newark, N. J. (405.2m-740kc), 6:30 p. m., Jacques Jacobs' Hotel Shelton ensemble; 7:30, Ziti's Central Park Casino orchestra; 9, Gertner's string quartet; 11, Billy Rose's 5th Avenue club orchestra.
WREO, Lansing, Mich. (285.5m-1050kc), 6-7 p. m., dinner concert, Speed-Wagon Sereaders; Gold Standard ensemble.
WRVA, Richmond, Va. (256.3m-1170kc), 8:20 p. m., Mayflower orchestra; 9:15, orchestra; 9:30, H. Pratt, pianist; 10:15, organ recital, Ernest Cosby; 11:15, Carry Me Back to Old Virginia.
WTAG, Worcester, Mass. (268m-1120kc), 8-9 p. m., WEAF; 9-10, Centurian orchestra; 10-11, WEAF.
WTIC, Hartford, Conn. (478.9m-630kc), 6:30 p. m.,

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 17
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.
5 p. m.
KDKA (309.1m-970kc) Farm program. 6 p. m.
9:30 8:30 7:30 6:30
KFAU (280.2m-1070kc) Agricultural talk, question box.

Sunday, April 18
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 19
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) "It Pays to Dodge the Round Worm."
WEAO (293.9m-1020kc) Timely Economic Information for the farmer, C. J. West.
1:45 12:45 11:45 10:45
WOI (270m-1110kc) "Why the Nation Observes Forest Protection Week."
WMAQ (447.5m-670kc) Radio farm school.
7 6 5 p. m. 4 p. m.
WGY (379.5m-790kc) Agricultural program.
WPG (299.8m-1000kc) "Baby Chicks and Their Care."
7:10 6:10 5:10 4:10
WEAO (293.9m-1020kc) "Fruits—Scale, Scat and Worms."
7:45 6:45 5:45 4:45
KFXF (288.3m-1040kc) "It Pays to Dodge the Round Worm."
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 Philosophy, Cy Adams.
WMC (499.7m-600kc) Farm talk.
8:45 7:45 6:45 5:45
WCO (416.4m-720kc) "Alfalfa—Sweet Clover."
WOI (270m-1110kc) "The Farmer and Fire Protection Week."
WTIC (475.9m-630kc) "Getting a Better Hay Crop This Year."
9 8 7 6
WOS (440.9m-680kc) "Putting Wool in Shape to Sell."
9:30 8:30 7:30 6:30
KOB (248.6m-860kc) "Horticulture."
KOAC (280.2m-1070kc) Agricultural question box.
"Developing a Dairy Herd."
10:30 9:30 8:30 7:30
WOAC (280.2m-1070kc) "Farm Concrete Construction."
10:45 9:45 8:45 7:45
KOAC (280.2m-1070kc) "Oregon's Agricultural Situation."
11:05 10:05 9:05 8:05
KGO (361.2m-830kc) "Rebuilding the Forests."

Tuesday, April 20
Eastern Central Mountain Pacific
12 n. 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) "Answers to Some of Your Poultry Problems."

Wednesday, April 21
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) Special Farm Service Day.
KTHS (374.8m-800kc) Farmers' Radio Chautauque.
12:45 11:45 10:45
WOI (270m-1110kc) Agricultural Economics.
8 7 6 p. m. 5 p. m.
KFXF (288.3m-1040kc) Special Farm Service Day.
KFBU (399.8m-750kc) "Draining Fields to Increase Their Productivity."
WOS (440.9m-680kc) Evening Market hour, Dairy questions and answers.
8:15 7:15 6:15 5:15
KSO (242m-1240kc) Farm talk.
8:30 7:30 6:30 5:30
WOC (483.6m-620kc) Question box.
9:45 8:45 7:45 6:45
WOS (440.9m-680kc) "Corn in Missouri."
10:15 9:15 8:15 7:15
KWSC (348.6m-860kc) "Certified Seed Pot, and How to Buy Them." "Year's Honey Crop, Dependent on Spring Work."

Thursday, April 22
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) "Alfalfa—Cutting."
1:45 12:45 11:45 10:45
WMAQ (447.5m-670kc) Radio farm school.
WOI (270m-1110kc) Farm crops.
8 7 6 p. m. 5 p. m.
KFXF (288.3m-1040kc) "Cutting Alfalfa—When, Why and Where."
9:30 8:30 7:30 6:30
WOI (270m-1110kc) "The Farm Fixit Shop."
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 23
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) Special Farm Service Day.
KTHS (374.8m-800kc) Farmers' Radio Chautauque.
12:45 11:45 10:45
WOI (270m-1110kc) Agricultural Economics.
8 7 6 p. m. 5 p. m.
KFXF (288.3m-1040kc) Special Farm Service Day.
KFBU (399.8m-750kc) "Draining Fields to Increase Their Productivity."
WOS (440.9m-680kc) Evening Market hour, Dairy questions and answers.
8:15 7:15 6:15 5:15
KSO (242m-1240kc) Farm talk.
8:30 7:30 6:30 5:30
WOC (483.6m-620kc) Question box.
9:45 8:45 7:45 6:45
WOS (440.9m-680kc) "Corn in Missouri."
10:15 9:15 8:15 7:15
KWSC (348.6m-860kc) "Certified Seed Pot, and How to Buy Them." "Year's Honey Crop, Dependent on Spring Work."

Saturday, April 24
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) Special Farm Service Day.
KTHS (374.8m-800kc) Farmers' Radio Chautauque.
12:45 11:45 10:45
WOI (270m-1110kc) Agricultural Economics.
8 7 6 p. m. 5 p. m.
KFXF (288.3m-1040kc) Special Farm Service Day.
KFBU (399.8m-750kc) "Draining Fields to Increase Their Productivity."
WOS (440.9m-680kc) Evening Market hour, Dairy questions and answers.
8:15 7:15 6:15 5:15
KSO (242m-1240kc) Farm talk.
8:30 7:30 6:30 5:30
WOC (483.6m-620kc) Question box.
9:45 8:45 7:45 6:45
WOS (440.9m-680kc) "Corn in Missouri."
10:15 9:15 8:15 7:15
KWSC (348.6m-860kc) "Certified Seed Pot, and How to Buy Them." "Year's Honey Crop, Dependent on Spring Work."

Sunday, April 25
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) Special Farm Service Day.
KTHS (374.8m-800kc) Farmers' Radio Chautauque.
12:45 11:45 10:45
WOI (270m-1110kc) Agricultural Economics.
8 7 6 p. m. 5 p. m.
KFXF (288.3m-1040kc) Special Farm Service Day.
KFBU (399.8m-750kc) "Draining Fields to Increase Their Productivity."
WOS (440.9m-680kc) Evening Market hour, Dairy questions and answers.
8:15 7:15 6:15 5:15
KSO (242m-1240kc) Farm talk.
8:30 7:30 6:30 5:30
WOC (483.6m-620kc) Question box.
9:45 8:45 7:45 6:45
WOS (440.9m-680kc) "Corn in Missouri."
10:15 9:15 8:15 7:15
KWSC (348.6m-860kc) "Certified Seed Pot, and How to Buy Them." "Year's Honey Crop, Dependent on Spring Work."

Monday, April 26
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) Special Farm Service Day.
KTHS (374.8m-800kc) Farmers' Radio Chautauque.
12:45 11:45 10:45
WOI (270m-1110kc) Agricultural Economics.
8 7 6 p. m. 5 p. m.
KFXF (288.3m-1040kc) Special Farm Service Day.
KFBU (399.8m-750kc) "Draining Fields to Increase Their Productivity."
WOS (440.9m-680kc) Evening Market hour, Dairy questions and answers.
8:15 7:15 6:15 5:15
KSO (242m-1240kc) Farm talk.
8:30 7:30 6:30 5:30
WOC (483.6m-620kc) Question box.
9:45 8:45 7:45 6:45
WOS (440.9m-680kc) "Corn in Missouri."
10:15 9:15 8:15 7:15
KWSC (348.6m-860kc) "Certified Seed Pot, and How to Buy Them." "Year's Honey Crop, Dependent on Spring Work."

Tuesday, April 27
Eastern Central Mountain Pacific
12 n. 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) "Answers to Some of Your Poultry Problems."

Wednesday, April 28
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) Special Farm Service Day.
KTHS (374.8m-800kc) Farmers' Radio Chautauque.
12:45 11:45 10:45
WOI (270m-1110kc) Agricultural Economics.
8 7 6 p. m. 5 p. m.
KFXF (288.3m-1040kc) Special Farm Service Day.
KFBU (399.8m-750kc) "Draining Fields to Increase Their Productivity."
WOS (440.9m-680kc) Evening Market hour, Dairy questions and answers.
8:15 7:15 6:15 5:15
KSO (242m-1240kc) Farm talk.
8:30 7:30 6:30 5:30
WOC (483.6m-620kc) Question box.
9:45 8:45 7:45 6:45
WOS (440.9m-680kc) "Corn in Missouri."
10:15 9:15 8:15 7:15
KWSC (348.6m-860kc) "Certified Seed Pot, and How to Buy Them." "Year's Honey Crop, Dependent on Spring Work."

Thursday, April 29
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) Special Farm Service Day.
KTHS (374.8m-800kc) Farmers' Radio Chautauque.
12:45 11:45 10:45
WOI (270m-1110kc) Agricultural Economics.
8 7 6 p. m. 5 p. m.
KFXF (288.3m-1040kc) Special Farm Service Day.
KFBU (399.8m-750kc) "Draining Fields to Increase Their Productivity."
WOS (440.9m-680kc) Evening Market hour, Dairy questions and answers.
8:15 7:15 6:15 5:15
KSO (242m-1240kc) Farm talk.
8:30 7:30 6:30 5:30
WOC (483.6m-620kc) Question box.
9:45 8:45 7:45 6:45
WOS (440.9m-680kc) "Corn in Missouri."
10:15 9:15 8:15 7:15
KWSC (348.6m-860kc) "Certified Seed Pot, and How to Buy Them." "Year's Honey Crop, Dependent on Spring Work."

Friday, April 30
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) Special Farm Service Day.
KTHS (374.8m-800kc) Farmers' Radio Chautauque.
12:45 11:45 10:45
WOI (270m-1110kc) Agricultural Economics.
8 7 6 p. m. 5 p. m.
KFXF (288.3m-1040kc) Special Farm Service Day.
KFBU (399.8m-750kc) "Draining Fields to Increase Their Productivity."
WOS (440.9m-680kc) Evening Market hour, Dairy questions and answers.
8:15 7:15 6:15 5:15
KSO (242m-1240kc) Farm talk.
8:30 7:30 6:30 5:30
WOC (483.6m-620kc) Question box.
9:45 8:45 7:45 6:45
WOS (440.9m-680kc) "Corn in Missouri."
10:15 9:15 8:15 7:15
KWSC (348.6m-860kc) "Certified Seed Pot, and How to Buy Them." "Year's Honey Crop, Dependent on Spring Work."

Saturday, May 1
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) Special Farm Service Day.
KTHS (374.8m-800kc) Farmers' Radio Chautauque.
12:45 11:45 10:45
WOI (270m-1110kc) Agricultural Economics.
8 7 6 p. m. 5 p. m.
KFXF (288.3m-1040kc) Special Farm Service Day.
KFBU (399.8m-750kc) "Draining Fields to Increase Their Productivity."
WOS (440.9m-680kc) Evening Market hour, Dairy questions and answers.
8:15 7:15 6:15 5:15
KSO (242m-1240kc) Farm talk.
8:30 7:30 6:30 5:30
WOC (483.6m-620kc) Question box.
9:45 8:45 7:45 6:45
WOS (440.9m-680kc) "Corn in Missouri."
10:15 9:15 8:15 7:15
KWSC (348.6m-860kc) "Certified Seed Pot, and How to Buy Them." "Year's Honey Crop, Dependent on Spring Work."

Sunday, May 2
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) Special Farm Service Day.
KTHS (374.8m-800kc) Farmers' Radio Chautauque.
12:45 11:45 10:45
WOI (270m-1110kc) Agricultural Economics.
8 7 6 p. m. 5 p. m.
KFXF (288.3m-1040kc) Special Farm Service Day.
KFBU (399.8m-750kc) "Draining Fields to Increase Their Productivity."
WOS (440.9m-680kc) Evening Market hour, Dairy questions and answers.
8:15 7:15 6:15 5:15
KSO (242m-1240kc) Farm talk.
8:30 7:30 6:30 5:30
WOC (483.6m-620kc) Question box.
9:45 8:45 7:45 6:45
WOS (440.9m-680kc) "Corn in Missouri."
10:15 9:15 8:15 7:15
KWSC (348.6m-860kc) "Certified Seed Pot, and How to Buy Them." "Year's Honey Crop, Dependent on Spring Work."

Monday, May 3
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) Special Farm Service Day.
KTHS (374.8m-800kc) Farmers' Radio Chautauque.
12:45 11:45 10:45
WOI (270m-1110kc) Agricultural Economics.
8 7 6 p. m. 5 p. m.
KFXF (288.3m-1040kc) Special Farm Service Day.<

FAMOUS RUSSIAN ARTIST AT WMC



This charming young lady is one of the pianists of WHAD, Milwaukee. Her name is Wilma Anderson.

Wednesday, April 21

Shore line; 9, Webster hotel concert trio, I. E. S. A. chamber of commerce Willow Springs; 10, Miles Carpenter, dulcimer soloist.

WOS, Jefferson City, Mo. (440.9m-600kc), 8:15 p. m., chamber of commerce Willow Springs; 10, Miles Carpenter, dulcimer soloist.

WQI, Chicago, Ill. (447.5m-670kc), 7-8 p. m., Rainbo Gardens orchestra; Kenneth Sterling, baritone; Leo Miller, violinist; 10-1 a. m., Melodians; Oxford Girls; Skylarks; 1-2, Ginger hour.

WSA, Cincinnati, Ohio (325.9m-920kc), 6:45 p. m., chimes; 7-9, WEAF; 9, musicale; 10:15, quartet.

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

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

SM, Nashville, Tenn. (282.8m-1060kc), 6:30 p. m., Francis Craig's orchestra; 8, chamber music, Vito's orchestra; 10, Leon Frank Music school.

KHC, Cincinnati, Ohio (422.3m-710kc), 6 p. m., dinner music, Alvin Koeh and his orchestra; 8:15, Winnie Pippin, soprano; Oliver Plunkett, tenor; 9, instrumental quintet, soloist; 12 midnight, Wesley Helvey and his orchestra.

SOE, Milwaukee, Wis. (245.8m-1220kc), 9 p. m., Herbert Schroeder, comedian; Riley Brothers harmonica duo; Emil Cords, pianist; 10:30, popular concert, Hollywood symphony orchestra.

SWS, Chicago, Ill. (275.8m-1090kc), 6 p. m., vocal artists; 8, Samovar orchestra, violin and piano selections; 10, Samovar orchestra, artists.

Mountain Time Stations

WA, Ogden, Utah (260.7m-1150kc), 9-10 p. m., Olive Hayes and his dance orchestra; 10-11, music, Paramount theater; 11-12, Olive Reeves and his dance orchestra.

K, XF, Colorado Springs, Colo. (249.9m-1200kc), 8:30 p. m., Irish Melody Boys.

KOA, Denver, Colo. (322.4m-930kc), 6:30 p. m., Brown Palace string orchestra; 8, Scheuerman's Colorado orchestra; 8:15, Colorado School of Mines; soprano solos, Mrs. F. M. V. Tuxil, Mrs. E. P. Martinson; oand; Francisco G. Joaquin, violinist; Mrs. R. C. Beckstrom, reader; Prof. J. L. Moore, baritone; quartet; Mrs. Chase Doster, soprano; KOA orchestra; 10-12, Broadmoor Rhythm Rustlers.

Pacific Time Stations

KFI, Los Angeles, Calif. (467m-642kc), 7-7:30 p. m., Grebe symphony string ensemble; 7:30-8, Nick Harris' detective story; 8-9, program, Ventura Refining company; 9-10, Chevrolet Motor Company of California; 10-11, popular hour.

KFON, Long Beach, Calif. (232.4m-1280kc), 7-8 p. m., Markwell Salt Water Taffy shop; 8-9, Press-Telegram studio; 9-10, Prizma hour; 10-11, Oriole orchestra.

KFWB, Hollywood, Calif. (252m-1190kc), 6:30-7:30 p. m., Pontiac Six dinner hour; 8-9, Sphinx Motor Oil company; 9-9:30, Bill Hatch's Oakland Country club orchestra; 9:30-10, Mutual Motors mirth contest; 10-11, Warner Brothers frolic.

KGW, Portland, Ore. (491.5m-610kc), 6-7 p. m., Olds, Wortman and King company; 8-9, Western Auto Supply company; 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; 8-10, Joe Arias and his Mexican entertainers.

KJR, Seattle, Wash. (384.4m-780kc), 7-8:30 p. m., Sears, Roebuck and company program; Bab's Lady orchestra; 8:30-10, Post Intelligencer program.

KLX, Oakland, Calif. (508.2m-590kc), 6:30-7 p. m., Athens Athletic club orchestra; 9-10, program.

MTR, Hollywood, Calif. (238m-1260kc), 8-10 p. m., 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 concert orchestra; 7-8, program, Dellarow Drug company; 8-9, Security Trust and Savings bank; 9-11, Daley's 165 grocery stores; 11-12 midnight, Ambassador hotel dance orchestra.

KPO, San Francisco, Calif. (428.3m-700kc), 6:30-7 p. m., States restaurant orchestra; 7-7:30, Rudy Selger's Fairmont hotel orchestra; 8-9, Atwater Kent artists; 9-10, Goodrich Silvertown Cord orchestra; 10-11, States restaurant orchestra.

KTAB, Oakland, Calif. (239.9m-1250kc), 8-10 p. m., Western States Life Insurance company.

KWSC, Pullman, Wash. (348.6m-860kc), 7:30-9 p. m., Frances Fremo, pianist; Olga Kraus, violinist; Margaret Ness, vocalist.

Thursday, April 22

Headliners Today

Eastern	Central	Mountain	Pacific
8:30 p. m.	7:30 p. m.	6:30 p. m.	5:30 p. m.
KDKA (309.1m-970kc) Gaelic music.	WVAP (475.9m-650kc) Saxophone octet.	WJZ (454.3m-660kc) "Hello, New York," picture.	
9	8	7	
WJAZ (322.4m-930kc) Chicago Women's Musical club.	9:30	8:30	7:30
WFAP (475.9m-650kc) Little Symphony.	10	9	8
KTBS (374.8m-800kc) Cotton Belt male quartet.	WBZ (356.6m-820kc) Metro Police quartet.	WJAZ (322.4m-930kc) Classical program.	

Eastern	Central	Mountain	Pacific
10:30 p. m.	9:30 p. m.	8:30 p. m.	7:30 p. m.
WSOE (245.8m-1220kc) Old-fashioned program.	11	10	9
KGO (361.2m-830kc) "Hazel Kirke" comedy drama.	KPO (428.3m-700kc) Metropolitan quartet.	12	11
12	11	10	9
WBAP (475.9m-650kc) "A Step On the Stairs," mystery serial.			

Thursday, silent night for: CHIC, CKNC, CNRA, CNRE, CNRO, CNRR, CNRT, CNRV, CNRW, KFAB, KFAU, KFAX, KFCA, KFUD, KFVA, KFX, KMOX, KOA, KOAC, KOB, KSAC, KWSC, PWX, WABQ, WAFB, WAGS, WAIU, WCAP, WCEE, WDD, WEAQ, WEBI, WEBW, WEMC, WGBF, WHAD, WHAZ, WJJD, WMAK, WMAZ, WOOD, WOR, WOS, WSM, WSUI, WTAM.

Eastern Time Stations

KDKA, Pittsburgh, Pa. (309.1m-970kc), 6:30 p. m., dinner concert; 8:30, Gaelic music, KDKA Little symphony orchestra; 9, glee club, Allegheny General Hospital School of Nursing; 11, concert.

WBAL, Baltimore, Md. (245.8m-1220kc), 6:30-7:30 p. m., orchestra; 7:30-8, Frederick D. Weaver, organist; 8-10, Louise Henderson, soprano; Georgie Kelly, contralto; Edith Reinhardt, soprano; Ruth Hutzler, pianist; Ruth Schumacher, contralto; Melvin Moritz, baritone.

WBBR, New York, N. Y. (272.6m-1100kc), 8 p. m., Josephine Locke, violinist; Elizabeth Paul, soprano.

WBZ, Springfield, Mass. (333.1m-900kc), 6:30 p. m., Hotel Kimball trio; 6:45, Hotel Lenox ensemble; 7, Hotel Kimball trio; 7:30, Alice Ruth Mulally, soprano; 8, Leo Reisman's orchestra; 9, Julius Hart School of Music; 9:30, Arthur Clifton, organist; 10:03, Edward J. McEnelly and his orchestra.

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

WCAU, Philadelphia, Pa. (277.6m-1080kc), 6:30 p. m., Billy Hayes and his Cathay Tea Garden dance orchestra; 7:30, Snellenburg symphony orchestra; 8, Eight Bright Boys; 8:30, Norman Barr, baritone; Virginia Klein, pianist; 8:45, Kandy Kids; 9, Barry O'Moore, Irish tenor; 9:30, Musical Chords; 9:45, comedy lesson, Professor Doolittle; 10, Sesquicentennial hour; 11, Parodians' dance orchestra; 11:30, Club Madrid orchestra.

Central Time Stations

KYK, Winnipeg, Canada (384.4m-780kc), 8:30 p. m., concert, Winnipeg Home Welfare association.

KFKU, Lawrence, Kan. (275.1m-1090kc), 7:15 p. m., Louise Flores, soprano; Arlo Huts, pianist, 7 p. m., KFNH, Shenandoah, Iowa (263m-1140kc), 7 p. m., double male quartet, Griswold.

KFRU, Columbia, Mo. (499.7m-600kc), 6:15 p. m., dinner music.

KMA, Shenandoah, Ia. (252m-1190kc), 6-7 p. m., regular dinner hour program; 9-11, Delmonica Dreamers' dance orchestra.

KOIL, Council Bluffs, Iowa (277.6m-1080kc), 6:05 p. m., Wilson Doly, pianist; 6:35, Imperial dance orchestra; 7:15, Bernice Clize; 7:30, Clara Kurtz; 8:15, James B. Wrath, baritone; 11, Hotsy Totsy hour.

KPRC, Houston, Texas (296.9m-1010kc), 7:30 p. m., Blanchard's dance orchestra; 8:30, Skyline studios program.

KSD, St. Louis, Mo. (545.1m-550kc), 7 p. m., WEAF; 7:30, Esmeralda Berry Maves, pianist; 8-10, WEAF; KTHS, Hot Springs National Park, Ark. (374.8m-800kc), 9-9:45 p. m., Cotton Belt male quartet; 9:45-10:30, New Arlington hotel orchestra.

KUOA, Fayetteville, Ark. (299.8m-1000kc), 8:30 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.

WADC, Akron, Ohio (285.5m-1160kc), 6:30 p. m., Hotel Portage quintet; 9:30, studio program; 10, WEAF.

WAMD, Minneapolis, Minn. (243.8m-1230kc), 7:05 p. m., Hartman Twins, Frank and Ernest; 7:30, Uncle Bert; 11:30, organ recital, Clifford Perry.

WBAP, Fort Worth, Texas (475.9m-650kc), 6-6:30 p. m., Texas hotel orchestra; 7:30-8:30, Davis Saxophone octet; 9:30, Harmony club; 11 "A Step On the Stairs."

WBBM, Chicago, Ill. (225.4m-1330kc), 8 p. m., 12 midnight, Matched Unit quartet; Ariston trio; song period; Two Jays; Maurice Silverman.

WCBZ, Zion, Ill. (344.6m-870kc), 8 p. m., male chorus, Celestial bells; Mrs. Esther Rendall, soprano; Carey Sisters; R. F. Reid, baritone; George Beem, xylophonist.

WCCO, Minneapolis-St. Paul, Minn. (416.4m-720kc), 7:30 p. m., Northern Pacific program; 8, WEAF; 9-10, WEAF.

WDAF, Kansas City, Mo. (365.6m-820kc), 11:45-1 a. m., Nighthawk frolic; Ted Weems' Victor Recording or-

chestra; Billy Adair's orchestra; Johnnie Campbell's orchestra.

WFBH, Weita, Ill. (370.2m-810kc), 7-8 p. m., J. Henry Weita, tenor; Hamner 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.

WENR, Chicago, Ill. (265.3m-1130kc), 6-7 p. m., Rauland lyric trio; 8-10, All-American Pioneers.

WFAP, Dallas, Texas (475.9m-650kc), 6:30-7:30 p. m., Jimmie Joy's orchestra; 8:30-9:30, Little symphony orchestra.

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-1110kc), 7-8 p. m., Coleman D. Kimbo, baritone.

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

WHB, Kansas City, Mo. (365.6m-820kc), 7-7:45 p. m., organ concert; 8-9, Metropolitan Police band concert; 9-10, Metropolitan Police quartet.

WHO, Des Moines, Iowa (526m-570kc), 7:30-8 p. m., Raleigh quintet; 8-9, Bankers Life trio; 11-12 midnight, Bankers Life Corn Sugar orchestra.

WHY, Chicago, Ill. (399.8m-750kc), 6 p. m., dinner organ recital, Al Carney; 6:30, Grayling's string trio; 6:45, Swedish program; 9:15, Cinderella cafe orchestra; 9:30, Kitchen Classics; 10:10, U. S. L. entertainers; male quartet; 11:30, Pat Barnes and Al Carney; 12, Pat Barnes and Al Carney.

WIAD, Waco, Tex. (352.7m-1190kc), 8:30-10 p. m., Reagan string orchestra.

WJAZ, Chicago, Ill. (322.4m-930kc), 9-12 midnight, Gibson hotel, pianist-composer; Ruth Ford, contralto; George Grammer Smith, baritone; Norman Albernatt, violinist; Chicago Women's Musical club chorus; E. Warren K. Howe; Hazel Folsom, soprano; Elaine De Sellen, contralto; solos and duets; Lucille Sweetser, Irene Regina Johnson, two-piano numbers; Dorris Alice Berry, contralto; Ann Slack, cellist; George Krueger, baritone.

WJD, Meesehart, Ill. (370.2m-810kc), 5:30-7 p. m., Jack Nelson; Palmer House symphony 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 Brigade and his Fourteen Virginians; 11, popular song revue; 11:15, Ace Brigade and his Virginians.

WLIB, Chicago, Ill. (302.8m-990kc), 7-7:15 p. m., dinner music; 7:15-7:30, 7:30-8, WEAF; 11-11:20, Correll and Gosden; 11:20-12:30 a. m., studio ensemble, dance music, harmony duos.

WLS, Chicago, Ill. (344.6m-870kc), 6:40 p. m., College Inn orchestra; 7:20, Ralph Emerson, organist.

WLW, Cincinnati, Ohio (422.3m-710kc), 6:15 p. m., musical handshaker, Bob Groenke, Jim Mischler; 7, dinner hour concert, Hotel Gibson orchestra; 7:40, Gibson hotel concert; 10:03, Doherty Melody Boys; 10:40, Irene Downing, Tommy Reynolds; 11, Ray Sullivan; 11:15, Castle Farm; 12:15 a. m., Crosley Pup program.

WMAQ, Chicago, Ill. (447.5m-670kc), 6-7 p. m., Women's World's fair; 8-10, Women's World's fair.

WMBB, Chicago, Ill. (249.9m-1200kc), 7-8 p. m., Scotch music; 9-11, Trionon orchestra; Woodlawn theater orchestra; Bob Smith, tenor; Elizabeth Watles, soprano; Ted Graham, bass.

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

WQAI, San Antonio, Texas (394.5m-760kc), 8:30 p. m., Mistletoe Melody Maids.

WOAW, Omaha, Neb. (526m-570kc), 6 p. m., Dorothy Chenoweth Loudon, harpist; 6:20, Manna Kea trio; 6:50, Royal Fontenelle orchestra; 9, sunshine program.

WOC, Davenport, Iowa (483.6m-620kc), 7-7:30 p. m., WEAF; 7:30-8, Moline Plovers; 8-10, WEAF; 11-12, LeClaire hotel orchestra.

WOL, Iowa City, Iowa (270.1m-1110kc), 8 p. m., musical.

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

WORD, Batavia, Ill. (275.1m-1090kc), 8 p. m., Webster hotel concert trio; 8:35, Cosmopolitan School of Music.

WQI, Chicago, Ill. (447.5m-670kc), 7-8 p. m., Rainbo Gardens orchestra; 10-1 a. m., Rainbo Skylarks; staff artists; Marie Politt; 1-2, Ginger hour.

WRR, Dallas, Tex. (245.8m-1230kc), 6-7 p. m., Jack Gardner's orchestra; 8-9, Mrs. J. C. Nell; 11-12, Juro corporation.

WSAI, Cincinnati, Ohio (325.9m-920kc), 7:30-10 p. m., WEAF.

WSB, Atlanta, Ga. (428.3m-700kc), 8 p. m., Westminster Presbyterian church choir; 10:45, Mary Jerome, Charles Sheldon, organ recital.

WSOE, Milwaukee, Wis. (245.8m-1220kc), 9 p. m., Nationality night; Polish instrumental and vocal selections; Lakeview orchestra; Polish opera club.

WSWS, Chicago, Ill. (275.8m-1090kc), 6 p. m., artists; 7, ballads, Samovar orchestra; 10, Samovar orchestra, studio features.

Mountain Time Stations

CNRC, Calgary, Canada (435.8m-688kc), 9-11 p. m., Canadian National Railway's orchestra; George Bell, bass.

KFAU, Boise, Idaho (280m-1070kc), 8-10 p. m., pipe organ recital, Frederick Boothroyd.

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

KUOM, Missoula, Mont. (243.8m-1230kc), 8 p. m., vocal, instrumental and ensemble music.

Pacific Time Stations

KFI, Los Angeles, Calif. (467m-642kc), 5:30 p. m., Bamboo Gardens orchestra; 6:45, Radioteletype period; 7-8, students, University of Southern California; 8-9, Southwest Museum; 9-10, program, Chickering hall; 11, dance music.

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 dance orchestra; 11-12 midnight, State theater organ.

KFWB, Hollywood, Calif. (252m-1190kc), 6:30-7:30 p. m., Pontiac Six dinner hour; 8-9, program, Phillips and Hamburg with Frazier Mountain Park orchestra; 9-10, Los Serranos Country club orchestra; 10-11, Warner Brothers frolic.

KGO, Oakland, Calif. (361.2m-830kc), 8 p. m., "Hazel Kirke," comedy drama; Arlon trio; 10, dance music, Brokaw and orchestra.

KGW, Portland, Ore. (491.5m-610kc), 6-7 p. m., Olds, Wortman and King company; 8-10, vaudeville program.

KHJ, Los Angeles, Calif. (405.2m-740kc), 8-10 p. m., feature studio program, Times artists.

KIR, Seattle, Wash. (384.4m-780kc), 7-8:30 p. m., Puget Electric company program, Eureka quartet; 8:30-10, Puget Sound Savings and Loan association orchestra; 10-10:30, musical program; 10:30-12, Post Intelligencer's "Keep Joy Radiating Order of Bats"; 12:30, Starr Piano company studio; 8-10, KMTR concert orchestra.

KNX, Hollywood, Calif. (336.9m-890kc), 6:30-7 p. m., Atwater Kent concert orchestra; 7-8, program, H. & L. Crockett company; 8-9, program, Willys-Overland dealers; 9-10, the Wisecracker club; 10-11, dance music; 11-12 midnight, Ambassador hotel dance orchestra.

KPO, San Francisco, Calif. (428.3m-700kc), 6:30-7 p. m., States restaurant orchestra; 7-7:30, Rudy Selger's Fairmont hotel orchestra; 8-9, KPO quartet; Ruth Lindu, harpist; Eva Grundner Atkinson, contralto; 9-10, studio program, organ and piano duets, Amy Bynum and Caroline Gay, Metropolitan quartet; 10-11, Cabrila cafe dance orchestra.

KPSN, Pasadena, Calif. (315.6m-950kc), 8-9 p. m., musical program, Pasadena chamber of commerce.

KTAB, Oakland, Calif. (239.9m-1250kc), 8-10 p. m., program.

Friday, April 23

Headliners Today

Eastern	Central	Mountain	Pacific
7:45 p. m.	6:45 p. m.	5:45 p. m.	4:45 p. m.
WEBJ (272.6m-1190kc) "Flying Over Florida."	8:15	7:15	6:15
WGY (379.5m-790kc) "A Step On the Stairs," mystery serial.	8:30	7:30	6:30
WTIC (475.9m-690kc) Brown Musical clubs.	9	8	7
WGY (379.5m-790kc) Comic opera, "Rob Roy."	9	8	7
WZ (333.1m-900kc) St. Mark's colored quartet.	9:30	8:30	7:30
WRR (245.8m-1220kc) Operatic program.	9:30	8:30	7:30
KFAB (340.7m-880kc) Brainerd community orchestra.	10:10	9:10	8:10
KOB (348.6m-860kc) American Legion program.	10:10	9:10	8:10
WGR (319m-940kc) Comedy program.	10:10	9:10	8:10
KDKA (309.1m-970kc) Teaberry time.	10:30	9:30	8:30
KFI (467m-640kc) Spanish half hour.	10:30	9:30	8:30
KTHS (374.8m-800kc) Opera selections.	11	10	9
KPO (428.3m-700kc) Piano ensemble.	11	10	9
WAMD (243.8m-1230kc) Skyrocket frolic.	11:30	10:30	9:30
WLIT (394.5m-780kc) Freshman hour of music.	11:30	10:30	9:30
WOS (419.9m-690kc) Old-time fiddling.	1:30 a. m.	12:30 a. m.	11:30
1:30 a. m.	12:30 a. m.	11:30	10:30
KGW (491.5m-610kc) Erolie.			

Friday, silent night for: CFAC, CHIC, CKAC, CKNC, CKY, CNRC, CNRR, CNRO, CNRR, CNRW, KFAU, KFVA, KFX, KLD, KPRC, KCSA, KSAC, KUOA, KUOM, PWX, WBBR, WCAD, WCBZ, WEAQ, WEBW, WGBS, WGST, WHAZ, WIP, WJAZ, WKRC, WSAI, WLWL, WMAK, WRC, WREO, WRWA, WSUI, WSMB, WSUI, WTAM.

Eastern Time Stations

CNRA, Moncton, Can. (312.3m-960kc), 8 p. m., studio program; R. Metzler, tenor; Lorne McKendrick, reader; R. Gander, baritone; Mrs. W. Fitch, contralto; Roy Metzler, tenor; Gertrude McEllan, soprano; Mrs. G. Cole, soprano; G. Melanson, tenor; Mrs. Fred Ward, accompanist; 10, CNRA orchestra.

CNRT, Toronto, Can. (356.9m-840kc), 6:30 p. m., dinner concert, Luigi Romanelli and his King Edward hotel concert orchestra; 9, special St. George's Day program; folk songs; Campbell McInnis, baritone; Nathan Green, violinist; A. Clarke, accompanist; 11, Luigi Romanelli and his King Edward hotel dance orchestra.

KDKA, Pittsburgh, Pa. (309.1m-970kc), 6:30 p. m., dinner concert; 9, Johnson C. Bane, H. R. Truitt, guitarists; 9:30, Juniata college glee club; 10:10, Teaberry time.

WABG, Haverford, Pa. (260.7m-1150kc), 11 p. m., Ardmore theater program.

WAHG, Richmond Hill, N. Y. (315.6m-954kc), 7:30 p. m., studio program; 8, Great Art organ recital; 9, Walter Sellers, tenor; 9:15, Leon Goldman, violinist; 9:30, Mabel Bestoff, soprano; 9:45, musicale; 10:02, Shell Beach trio; 10:30, Southland dance orchestra.

WBAL, Baltimore, Md. (245.8m-1220kc), 6:30-7:30 p. m., dinner orchestra; 7:30-8, male quartet; 8-9, Geneva Fltz, soprano; Mary Knox Flitz, pianist; John Mealy, whistler; 9-10, WEAF trio; John W. Hibourn, tenor.

WBZ, Springfield, Mass. (333.1m-900kc), 6:30 p. m., Hotel Kimball trio; 7:10, Hotel Lenox ensemble; 8, Edward J. McEnelly and his orchestra; 8:30, Russell Burbank; 9, St. Mark's colored quartet; 9:30, Vincent McAndrews.

WCAE, Pittsburgh, Pa. (461.3m-650kc), 6:30 p. m., dinner concert; 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), 6:45 p. m., Clarence Seaman and his Hotel Pennsylvania orchestra;

Atwater Kent Program, April 18, over WEAF and Chain*

- SCHOLA CANTORUM OF NEW YORK
Kurt Schindler, Conductor
- (a) Church Music:
 - "Gloria to the Trinity" (from the Liturgy).....Rachmaninoff
 - "O quam gloriosum" { Old
 - "Jesu dulcis memoria" { Spanish }.....Victoria
 - "O vos omnes" { Motets }
 - (b) For Women's Voices:
 - Song from Shakespeare's "Twelfth Night".....Brahms
 - The Gardener.....Brahms
 - Wedding Song from the opera "Sadko".....Rimsky-Korsakoff
 - (c) Lyric Pastoral:
 - "To Lovely Groves," (Bergerette).....Tessier
 - "Love Me Truly Shepherds," (Bergerette).....Lefevre
 - "Mon ami est monte" (French-Swiss).....Doret
 - (d) Hungarian Rhapsody for Chorus (in two sections).....D'Antalfy
 - (e) English and American Songs:
 - "In These Delightful Groves".....Purcell
 - "Were You There?" (Spiritual).....Burleigh
 - "Deep River" (Spiritual).....Burleigh
 - "Swansea Town".....Gustave Holst
- *The WEAF chain for the Atwater Kent hour (9:15 p. m. Eastern time, 8:15 p. m. Central time) includes WEAF, WOO, WGR, WCAE, WCAP, WJAZ, WTAG, WGN, KSD, WCCO, WOC, WSAI, WEAR, WEEL.

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

WEAF, New York, N. Y. (491.5m-610kc), 4-12 midnight, Evelyn Siedle, contralto; Felice string quartet; Vincent Lopez and his orchestra; Hires Harvesters; Cicquet Club Eskimos; Silvertown Cord orchestra.

WEAO, Columbus, Ohio (293.9m-1020kc), 8:15 p. m., music; 9, music.

WEAR, Cleveland, Ohio (389.4m-770kc), 7 p. m., Hotel Stalder concert orchestra; 8, WEAF; 8:30, Workrite Radio artists; 9, WEAF; 10, bridge; 10:30, Vincent Percy, organist.

WEEL, Boston, Mass. (348.6m-860kc), 7:30 p. m., Rickenbacker's Olde Homestead quartet; 8-11, WEAF.

WFI, Philadelphia, Pa. (394.5m-760kc), 6:30 p. m., Bellevue Stratford concert orchestra; 7, Bellevue Stratford dance orchestra; 7:15, feature, Keystone Automobile club; 8-11, WEAF.

WGBS, New York, N. Y. (315.6m-950kc), 8 p. m., Pastion Flay, Villa Nora College players; 9:30, Old-time minstrel; 10:30, orchestra.

WGR, Buffalo, N. Y. (319m-940kc), 6:30 p. m., Vincent Lopez's Hotel Stalder dance orchestra; 8:15, WEAF.

WGY, Schenectady, N. Y. (379.5m-790kc), 6:30 p. m., Ten Eyck trio; 7:45, WFBL, WEAM; 9, WJZ; 10, musical program, Poughkeepsie; 11:30, Stephen E. Boelsclair, organist.

WHAR, Atlantic City, N. J. (275.1m-1090kc), 8 p. m., concert, soloists, Seaside hotel trio; 9, concert; 11, Rollies Bergere dance orchestra; 12, Sophie Tucker's playground.

WIP, Philadelphia, Pa. (508.2m-590kc), 6:05 p. m., Benjamin Franklin hotel concert orchestra; 7, Jimmie Berry, seven-year-old banjo-uke player; 8:15, Ralph Wilkins, baritone; 8:50, Harmon Choral society; 10:05, Nelson Maples and his S. S. Leviathan orchestra.

WJR, Pontiac, Mich. (516.9m-580kc), 7 p. m., symphony orchestra; 7:30, Ide and Meginnity; 9, Jean Goldkette's orchestra; 10, orchestra.

WJAZ, New York, N. Y. (340.7m-880kc), 6 p. m., Hotel McAlpin string ensemble; 6:30, Parody orchestra; 7, Twin Oaks orchestra; 9, Nathan Straus serenaders; 10:30, Tango orchestra; Ermie Golden and his Hotel McAlpin orchestra.

WNYC, New York, N. Y. (526m-570kc), 8 p. m., songs; 8:30, violin; 8:45, dinner, Society of Old Brooklynites.

WOO, Philadelphia, Pa. (508.2m-590kc), 7

WTIC TO OBSERVE PATRIOTIC DAY

MARKETS AND WEATHER

Daily Except Sunday

Eastern	Central	Mountain	Pacific
9:30 a. m.	8:30 a. m.	7:30 a. m.	6:30 a. m.
WOAW (526m-570kc) Markets.			
9:45	8:45	7:45	6:45
KDKA (309.1m-970kc) Livestock, grain.			
10	9	8	7
WLS (344.6m-870kc) Livestock, markets, fruit.			
WOS (440.9m-680kc) Hogs.			
10:30	9:30	8:30	7:30
WFAP (475.9m-630kc) Markets.			
10:45	9:45	8:45	7:45
WCCO (416.4m-720kc) Markets.			
WHO (526m-570kc) Opening grain quotations, New York and Chicago stock exchange. Livestock, weather, roads.			
WMC (499.7m-600kc) Weather, markets.			
11	10	9	8
WOS (440.9m-680kc) Weather, hogs.			
11:15	10:15	9:15	8:15
WTAG (268m-1120kc) Markets, weather.			
11:30	10:30	9:30	8:30
WCCO (416.4m-720kc) Markets.			
12 n.	11	10	9
KDKA (309.1m-970kc) Weather, livestock, grain.			
WBAP (475.9m-630kc) Weather, cattle, grain.			
WLS (344.6m-870kc) Poultry, dairy, hogs, sheep.			
WOS (440.9m-680kc) Livestock, poultry, eggs, grain.			
12:30 p. m.	11:30	10:30	9:30
WEAR (384.4m-780kc) Markets, weather.			
WFAP (475.9m-630kc) Markets.			
1	12 n.	11	10
WBAP (475.9m-630kc) Markets.			
WHO (526m-570kc) Livestock, receipts. Weather, roads.			
WOS (440.9m-680kc) Livestock, weather.			
WSWS (275.8m-1090kc) Market review.			
1:30	12:30 p. m.	11:30	10:30
KTHS (374.8m-800kc) Markets, weather.			
market, apples.			
WOAW (526m-570kc) Markets.			
1:45	12:45	11:45	10:45
KOA (322.4m-930kc) Weather, roads, livestock, poultry.			
2	1	12 n.	11
WOC (483.6m-620kc) Weather, grain, livestock, dairy.			
3	2	1 p. m.	12 n.
WHO (526m-570kc) Livestock, Chicago and St. Louis closing cash market quotations, Chicago Board of Trade, N. Y. Stock exchange.			
WLS (344.6m-870kc) Livestock, grain, dairy, fruit, vegetables.			
WOS (440.9m-680kc) Livestock, markets, grain.			
3:30	2:30	1:30	12:30 p. m.
WFAP (475.9m-630kc) Markets.			
3:50	2:50	1:50	12:50
WWJ (352.7m-850kc) Weather, markets.			
4	3	2	1
WCCO (416.4m-720kc) Markets.			
WFAP (475.9m-630kc) Markets.			
6:45	5:45	4:45	3:45
KSAC (340.7m-880kc) Market review.			
8	7	6	5
KOA (322.4m-930kc) Sheep, markets, livestock, poultry.			

Friday, April 23

7:30, Snellenburg's instrumental trio; 8, Enrico Aresoni, operatic tenor; 8:30, Singing Groundhog; 8:45, Bryan Girl; 9, Regina Crooners; 9:15, Dwight Strickland, pianist; 9:30, Melody orchestra; 10, Archie Luyd, songs; 10:30, Jack Myers' Musical Architects.

WCX, Detroit, Mich. (516.9m-580kc), 6-7 p. m., Gold-kette ensemble; 8-9, studio program; 9-10, Jean Gold-kette's Breeze Blowers.

WEAF, New York, N. Y. (491.5m-610kc), 4-12 midnight, Aletta Crump; Raymond Trundy, pianist; John Butler, Jr. tenor; Vincent Lopez and his orchestra; Happiness Candy Boys; Eagle Neurodyne; Whittall Anglo-Persians; Ben Bernie and his orchestra.

WEAR, Cleveland, Ohio (389.4m-770kc), 7 p. m., Wormack's Singing Syncoptators; 8:15, studio program; 9:30-10:30, WEAF; 10:30, Wormack's Singing Syncoptators.

WEBL, New York, N. Y. (272.6m-1100kc), 7 p. m., Achille Minutolo orchestra; 8, Jack Gall, concert pianist; 8:15, Smyrna quartet; 8:30, Al Ciccones Harlem Tea Garden orchestra.

WEEI, Boston, Mass. (348.6m-860kc), 6:13 p. m., Joe Rines and his Hunters' Cabin orchestra; 7:30, Whiting Milk company program; 8, musicale; 8:30, Neapolitan girls' quintet; 9-11, WEAF.

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

WGB, Clearwater, Fla. (265.3m-1130kc), 6:30-7:30 p. m., dinner concert; 8:30-10:30, program, L. B. Skinner company developers; Dave Gootenberg, violinist; Blanche Ciago, soprano; 11:45-1 a. m., Graham Prince and his orchestra.

WGR, Buffalo, N. Y. (319m-940kc), 6:30 p. m., Ciel trio; 7:30, WEAF; 8, Audubon Terrace Meadow Larks; 8:30, J. Blosek, piano recital; 9, Wingers' Crescent Park entertainers; 9:30, popular program, Lynn Gearhart; 10, WEAF; 10:30, Hewitt Humourists; 11, Vincent Lopez's Hotel Statler dance orchestra; John F. Gunderman, organist.

WGY, Schenectady, N. Y. (379.5m-790kc), 7 p. m., orchestra, WEAM, WFBL; 8:15, "A Step On the Stairs"; 8:30, "Rob Roy," WGY Light Opera company; 10:30, Louise Eades, contralto; Ernest Bliss, baritone; David Weiss, violinist; Julia Lemmie, accompanist.

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

WHN, New York, N. Y. (361.2m-830kc), 6:30 p. m., Woodmanston Inn orchestra; 7, Harry Richman and his entertainers; 7:30, Treasureland Neighbors; 8:05, Harriet Merber, pianist; 8:20, Frank H. Ochs, tenor; 8:35, Leon Goldman, violinist; 8:50, Fitzpatrick Brothers; 9, Alan Stone's orchestra; 10:30, Anatol Friedland; 11:30, Kit Kat entertainers; 12, Silver Slipper orchestra.

WIP, Philadelphia, Pa. (508.2m-590kc), 6:05 p. m., Benjamin Franklin hotel concert orchestra; 7, William A. Fromholzer, violinist.

WJR, Pontiac, Mich. (516.9m-580kc), 7 p. m., symphony orchestra; 7:30, Arctic Specials; 9, Mulkey Celebrities; 9:30, symphony.

WLIT, Philadelphia, Pa. (394.5m-760kc), 9:30 p. m., Schicklering "Tube" concert; 10, Morning Glory club concert; 10:30, Rufus and Rustus; 11, Freshman hour of music.

WMAK, Buffalo, N. Y. (265.3m-1130kc), 7:30 p. m., Californians entertainers; 8:30, musicale; 9-10, Sunrise Point Development company.

WVCA, New York, N. Y. (340.7m-880kc), 6 p. m., Orloto Vail and his Hotel McAlpin string ensemble; 6:30, Hotel McAlpin orchestra; 7:30, Sach's Musical Monarchs; 8:45, Broadway association Harman hour of music; 10, Donald Eljamm; Hedrau Haus entertainers; 11:30, Jack Denny's orchestra; 12, entertainers.

WVYC, New York, N. Y. (526m-570kc), 7:35 p. m., lecture; 8, Spelling Bee; 9:30, piano.

WVO, Philadelphia, Pa. (508.2m-590kc), 7:30 p. m., Sylvania dance orchestra; 8, recital; 9:25, Fox theater symphony orchestra; 10:15, organ recital; 10:30, Ritz-Carlton dance orchestra.

WOR, Newark, N. J. (405.2m-740kc), 6:45 p. m., Hotel Bretton-Hall quartet.

WPG, Atlantic City, N. J. (299.8m-1000kc), 6:45 p. m., Arthur Brook, organist; 7, Hotel Ambassador dinner music; 8:15, Sol Kondis and Chick Leonard, entertainers; 8:30, Katz and his Kittens; 9, Hotel Traymore concert orchestra; 9:30, dance orchestra; 10, James' Salt Water Taffy, Boys' dance orchestra; 11, Jean Wiener, organist.

WREO, Lansing, Mich. (285.5m-1050kc), 6-7 p. m., dinner concert, Speed-Wagon Serenaders; Gold Standard ensemble.

WRVA, Richmond, Va. (256.3m-1170kc), 7 p. m., Hotel Richmond orchestra; 7:20, Mrs. May Righter, soprano; R. Lynn Tucker, tenor; 9, special feature; 10, Hotel Richmond Winter Garden orchestra, Art Perkins and his ukle.

WTAG, Worcester, Mass. (268m-1120kc), 8:15-10 p. m., program, Mabel V. Sheldon; 10-10:30, WEAF.

WTIC, Hartford, Conn. (475.9m-630kc), 6:30 p. m., Hub trio; 8:15, Brown university musical clubs; 10:30, Emil Heimberger's Hotel Bond dance orchestra.

WWJ, Detroit, Mich. (352.7m-850kc), 6 p. m., dinner concert; 8, Detroit News orchestra; 9:30, WEAF; 10:30, dance program.

Central Time Stations

KFAB, Lincoln, Nebr. (340.7m-880kc), 8:30-10:30 p. m., Nebraska Wesleyan glee club.

KFNF, Shenandoah, Iowa (263m-1140kc), 7:30 p. m., mixed program, Lefe Corbin, director.

KFRU, Columbia, Mo. (499.7m-600kc), 6:15 p. m., dinner music; 12-2 a. m., musical program.

EDUCATIONAL FEATURES

Monday, April 19

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. Ber-hitz.			
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.			
8:30	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) "Development of Life During Middle and Later Earth History," Dr. R. C. Moore.			
8:45	7:45	6:45	5:45
WGR (319m-940kc) Astronomy, Rev. P. F. Cus-ick.			
9	8	7	6
CKY (384.4m-780kc) U. of Manitoba.			
9:15	8:15	7:15	6:15
WHA (535.4m-560kc) "How Play Educates Chil-dren," Mrs. Edith E. Hoyt.			
10	9	8	7
KUOM (243.8m-1230kc) Talks, Sidney Hayes Cox, Calvin Crumbaker.			
10:30	9:30	8:30	7:30
KWSC (348.6m-860kc) "History of the North-west," Dr. E. A. Bryan.			
11	10	9	8
WHAZ (379.5m-790kc) Prof. George Howard Car-ragan.			

Tuesday, April 20

Eastern	Central	Mountain	Pacific
7 p. m.	6 p. m.	5 p. m.	4 p. m.
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 E. Whiting.			
8:15	7:15	6:15	5:15
KDKA (309.1m-970kc) "Historical Anniversaries of 1926," Dr. John W. Oliver.			
10	9	8	7
WMAQ (447.5m-670kc) Lecture, University of Chicago.			
11	10	9	8
CNRV (291.1m-1080kc) "Canadian Immigration and Emigration," H. F. Angus.			

Wednesday, April 21

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. Ber-hitz.			
7	6	5	4
WJZ (454.5m-660kc) New York university course.			

KFKX, Hastings, Nebr. (288.3m-1040kc), 9 p. m., Lutheran church.

KFMX, Northfield, Minn. (336.9m-890kc), 10-11 p. m., organist.

KMA, Shenandoah, Ia. (252m-1190kc), 6-7 p. m., How-do-you-do, Boys Grady and Doc, Aunti Blossom; 9-11, musical program, orchestra music.

KMOX, St. Louis, Mo. (280.2m-1070kc), 6 p. m., Arthur Utt, organist; 6:30, organ recital, Mrs. Jacques Lan-dree; 7, orchestra; Leonard Phillips, baritone; 8, music-lovers' hour; 9, trio; 10, dance music.

KOIL, Council Bluffs, Iowa (277.6m-1080kc), 6:05 p. m., Jack and Jill; 6:30, Randall's Royal Fontenelle orchestra; 7:30, Marie Sallsbury, violinist; Kathryn Skinner, cellist; 8:30, Dresher Brothers entertainers; 11, Hotzy Totsy hour.

KSD, St. Louis, Mo. (545.1m-550kc), 7 p. m., program, 7:30, Eugene Enzinger, baritone; Mrs. Frank Habig, pianist; 8-10, WEAF.

KTHS, Hot Springs National Park, Ark. (374.8m-800kc), 9-9:30 p. m., Lawson Reid, organist; 9:30-10, opera selections, New Arlington Hotel Grand ensemble; 10-11, College Ramblers orchestra.

KYW, Chicago, Ill. (535.4m-560kc), 6-6:15 p. m., KDKA; 6:30-7, Congress hotel; 9-10, Federal Masters artists; 10, revue.

WAMD, Minneapolis, Minn. (243.8m-1230kc), 7:05 p. m., Hartman Twins, Frank and Ernest; 7:15, Minneapolis public school hour; 11, Skyrocket frolic.

WADC, Akron, Ohio (285.5m-1160kc), 6:30 p. m., Hotel Portage quintet; 8, studio program; 10, India Owl's.

WBAP, Fort Worth, Tex. (475.9m-630kc), 6-6:30 p. m., Texas hotel orchestra; 7:30-8:30, Texas Christian uni-versity; 9:30-11, Samuel L. Ball school; 11-12, Pan-ther Hawaiian trio.

WBBM, Chicago, Ill. (225.4m-1330kc), 8-10 p. m., Two Jays, Corinne Jordan; Alemtie orchestra.

WCCO, Minneapolis-St. Paul, Minn. (416.4m-720kc), 6:15 p. m., dinner concert, Dick Long's Nankin cafe orchestra; 8, Watkins family party; 9, WEAF; 10:05, Dick Long's Nankin cafe dance orchestra.

WDAP, Kansas City, Mo. (365.6m-820kc), 8-9:30 p. m., Missouri Pacific Boosters club; 11:45-1 a. m., Night-hawk 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.

WENR, Chicago, Ill. (265.3m-1130kc), 6-7 p. m., Raul-land lyric trio; 8-9, evening hour; 9-10, All-American Pioneers; 12-2 a. m., All-American Pioneers.

WFAA, Dallas, Tex. (475.9m-630kc), 6:30-7:30 p. m., Shaw-Smith orchestra; 8:30-9:30, Southland Life In-surance company; symphonic music.

WGBF, Evansville, Ind. (236.1m-1270kc), 8 p. m., M. A. L. Maxwell.

WGN, Chicago, Ill. (302.8m-990kc), 6:55-7 p. m., Drake concert ensemble, Blackstone string quintet; 8-8:30, WEAF; 8:30-9, music; 9-9:30, WEAF; 9:30-10, Phantom violin; 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., concert, glee club, Louisville and Jefferson county children's home; Mrs. S. Hunt, soprano.

WHB, Kansas City, Mo. (365.6m-820kc), 7-8 p. m., Tilford's Emporia junior 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.

WJAD, Waco, Tex. (352.7m-1190kc), 8:30-10 p. m., Baptist Radio B. Y. P. U. program.

WJJD, Mooseheart, Ill. (370.2m-810kc), 8-9 p. m., chil-dren's hour; 10-11, feature hour; Senator Harold C. Kessinger; Palmer House Victorians; Jean St. Anne; 12:30 a. m., frolic.

WHO, Des Moines, Iowa (526m-570kc), 7:30-9 p. m., Gertrude Nourse, pianist; Pierson and Kaushaar, tuneful teachers; Mrs. B. Mills, soprano; Mrs. Lewis Bolton, pianist; 11-12, Philbrick and his orchestra.

WJAZ, Chicago, Ill. (322.4m-930kc), 9-1 a. m., Club Chez Pierre; Richard Low, Chinese concert baritone; Chez Pierre Hawaiian trio; Earl Hoffman's Chez Pierre orchestra.

Eastern	Central	Mountain	Pacific
7:40 p. m.	6:40 p. m.	5:40 p. m.	4:40 p. m.
WTAG (267.7m-1120kc) Spanish lesson, Mrs. John De La Parra.			
7:50	6:50	5:50	4:50
WEAO (293.9m-1020kc) "Some Recent Achieve-ments of Chemistry," Prof. W. L. Evans.			
8:15	7:15	6:15	5:15
WSUI (483.6m-620kc) College of the Air.			
8:30	7:30	6:30	5:30
WMAQ (447.5m-670kc) Lecture, Northwestern university.			
8:40	7:40	6:40	5:40
WTC (475.9m-630kc) "Modern American Poetry," Prof. Wilbert Snow.			
9	8	7	6
WSAI (325.9m-920kc) U. of Cincinnati.			

Thursday, April 22

Eastern	Central	Mountain	Pacific
7 p. m.	6 p. m.	5 p. m.	4 p. m.
WKAR (285.5m-1050kc) Nature study series.			
7:10	6:10	5:10	4:10
WGST (270.1m-1110kc) "Fixation of Atmospheric Nitrogen," Dr. D. B. Wroth.			
8	7	6	5
KFKU (275.1m-1090kc) "The Process of Forming a French Ministry," Prof. Herman B. Chubb.			
8:30	7:30	6:30	5:30
WEAO (293.9m-1020kc) "Philosophy of Life," J. A. Leighton.			
9	8	7	6
WSUI (483.6m-620kc) Correspondence courses.			
10	9	8	7
KUOM (243.8m-1230kc) "Training for Business," E. R. Sanford.			
11	10	9	8
WMAQ (447.5m-670kc) Lecture, University of Chi-cago.			

Friday, April 23

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 (454.5m-660kc) New York university course.			
7:10	6:10	5:10	4:10
CNRV (291.1m-1080kc) "Mining in Ontario," Prof. H. E. T. Haultain.			
8:15	7:15	6:15	5:15
KDKA (309.1m-970kc) "In Praise of Shakes-peare," Percival Hunt.			
9	8	7	6
WHA (535.4m-560kc) "The Spirit of These Times," Susan B. Davis.			
10:15	9:15	8:15	7:15
WTC (475.9m-630kc) Cartoon lessons, Bud Kings-ton.			
10:30	9:30	8:30	7:30
KWSC (348.6m-860kc) U. of Washington.			
10:45	9:45	8:45	7:45
KOAC (280.2m-1070kc) "Earth Stages in the Earth's History," D. C. Livingston.			

WLIB, Chicago, Ill. (302.8m-990kc), 7:30-8 p. m., musical program; 11-11:20, Correll and Gosden; 11:30-12:30 a. m., ensemble, dance music, harmony duos.

WLS, Chicago, Ill. (344.6m-870kc), 7:15 p. m., College Inn orchestra; 7:30, Ralph Emerson, organist; 8:30, Women's symphony of Chicago; 9, Kathleen March Straub, contralto; Marie Kettering, pianist; 9:30, Women's symphony of Chicago; 10-11, popular music.

WMAQ, Chicago, Ill. (447.5m-670kc), 6-7 p. m., Wom-en's World's fair; 8-10, Women's World's fair.

WMBB, Chicago, Ill. (249.9m-1200kc), 7-8 p. m., Tri-ation duo; Rosaline Wallace, violinist; Arvid L. Ander-son, baritone; 9-11, Triation orchestra; Woodlawn thea-ter orchestra; WMBB male trio; Joe Warner; Norman Hart, baritone; Andy Anderson, tenor.

WMC, Memphis, Tenn. (499.7m-600kc), 8:30 p. m., Cooper's Hawaiians; 11, Bob Miller's orchestra.

WOAI, San Antonio, Tex. (394.5m-760kc), 8:30 p. m., San Antonio College of Music.

WOAW, Omaha, Nebr. (526m-570kc), 6:20 p. m., Francis Potter's banjo orchestra; 6:50, Gilbert Jaffy, violinist; Nat Young, pianist; 9, Puritan program;

DX RADIO BETTER AT 600 MILES THAN 300

STARTLING REVELATION IS MADE BY WGY SURVEY

General Electric Engineers Find Fading Cuts Close-by Signals—See Weather as Factor

SCHENECTADY.—Radio signals are better 600 miles from a broadcast transmitter than they are 300 miles, according to engineers of the Radio department of the General Electric company, under whose supervision an exhaustive investigation of Radio wave propagation is now being made.

For several weeks past, thousands of listeners have been cooperating with the General Electric company by reporting on reception of signals on broadcast bands. These cooperative tests are still under way and the conclusions are only such as suggest themselves from the preliminary reports. The engineers do not claim that the conclusions are absolute and caution that more exhaustive investigation may reveal some facts not yet apparent.

Why Station Is Better at 600 Miles

In observing the variation of signal strength, it was found that the strength of the signal drops off rapidly during the first 300 miles from the station and that contrary to what might be expected, the signal strength actually increases and is apparently a little stronger at 600 miles than at 300 miles. Beyond the 600-mile point, the strength decreases again slowly to the limit of the range of the station. These distances are not definite values; they are averages from a large number of reception reports.

A study of the zones in which fading occurs shows that it is worst at about 200 to 500 miles from the station, and this zone, from 200 to 500 miles, is the territory in which there is the greatest percentage of "rapid fading" reports. Broadcast service is better at 600 than 300 miles from a station because fading is less and the signal strength is slightly greater.

These distances vary slightly with the power of the transmitter. Rapid fading is not often observed, however, and in this respect the regular broadcast waves seem

COP OF SMOKY CITY TWEETS SYMPHONY

PITTSBURGH, Pa.—Conductor Saudek of the KDKA Little Symphony orchestra started something when he gave a whistle of surpassing musical tones to a traffic policeman whose corner is near the conductor's studio. The idea is spreading. Conductor Saudek has had numerous inquiries since he made a musical cornerman out of the policeman near his studio.

to be different from the short waves. The reports indicate that the date of fading increases steadily as the wave length grows shorter.

May Predict Radio Reception

The main objective of the investigation in cooperation with widely scattered, volunteer assistants, is to answer the question: what is the relation between weather and Radio reception, or do weather conditions influence Radio? Variations of signal strength, static and fading are all bugaboos of the listeners and an effort is being made to relate these irregularities to changes in barometric pressure and temperature.

If definite relationships between Radio reception and weather conditions can be established, it will be possible to predict receiving conditions in any part of the country as reliably as it is now possible to forecast weather conditions.

Thus far investigations by General

Electric engineers indicate that the connection between barometric pressure and temperature with Radio conditions is not definite, or if it is definite, that it is so complex that it is not yet understood. Temperature seems to have no effect on the signals themselves, although it is known that in summer there is an increase in static.

The study so far shows that the barometer makes little difference when both transmitter and receiver are at the same pressure. When transmission is from a high to a low pressure area, transmission is best at short and long distances, but at medium distances of about 600 miles, it is best from an area of low pressure to an area of high pressure. The phenomena is apparently related to the distribution of storm areas over the country and requires a great deal more study.

George Junkin at KMOX

ST. LOUIS.—George Junkin, "he of the smiling voice," who has been heard for recent weeks from Station WSWS, S. W. Straus & Co., Chicago, has been selected as the new announcer at Station KMOX, "The Voice of St. Louis."

Marconi Recovers From Operation

LONDON.—Senatore Guglielmo Marconi is recovering from a minor operation here. It was feared that he was suffering from appendicitis but an operation proved this not to be the case. As soon as he is fit to travel, the "Radio wizard" will go to Naples to join his yacht.

Will Tell Balloon Race Over Mikes

Stations Along Route of Flyers Will Keep Listeners Informed on Progress of Racers

HOT SPRINGS, Ark.—G. C. Arnoux, director-announcer for Station KTHS, the New Arlington hotel at Hot Springs National Park, here, has been appointed as a member of the meteorological and aerological committee for the Little Rock Air meet association in connection with the staging of the 1926 National Elimination Balloon races to be held in that city April 29 and 30, according to an announcement by the association.

Radio will play a big part in the holding of the balloon races this year, according to the preliminary plans which include an elaborate system of Radio information on wind and weather to be sent out by representative broadcasting stations throughout the section of the country likely to be traversed by the racers. Selection of the stations to participate will be announced shortly. A picked group of powerful stations will take part.

In addition, plans are being worked out to broadcast a Radio picture of the entire race meet direct from the field, through Station KTHS. Speeches by famous figures in air development and national leaders who will attend will form a part of this program.



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GALLERY OF RADIO STARS

By special arrangement, Radio Digest is able to offer its readers a great opportunity to secure fine photogravures of their favorite Radio stars at practically no cost. Below is only a partial list of the photogravures now included in the Gallery of Radio stars. Complete list in April 10 issue.

- 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

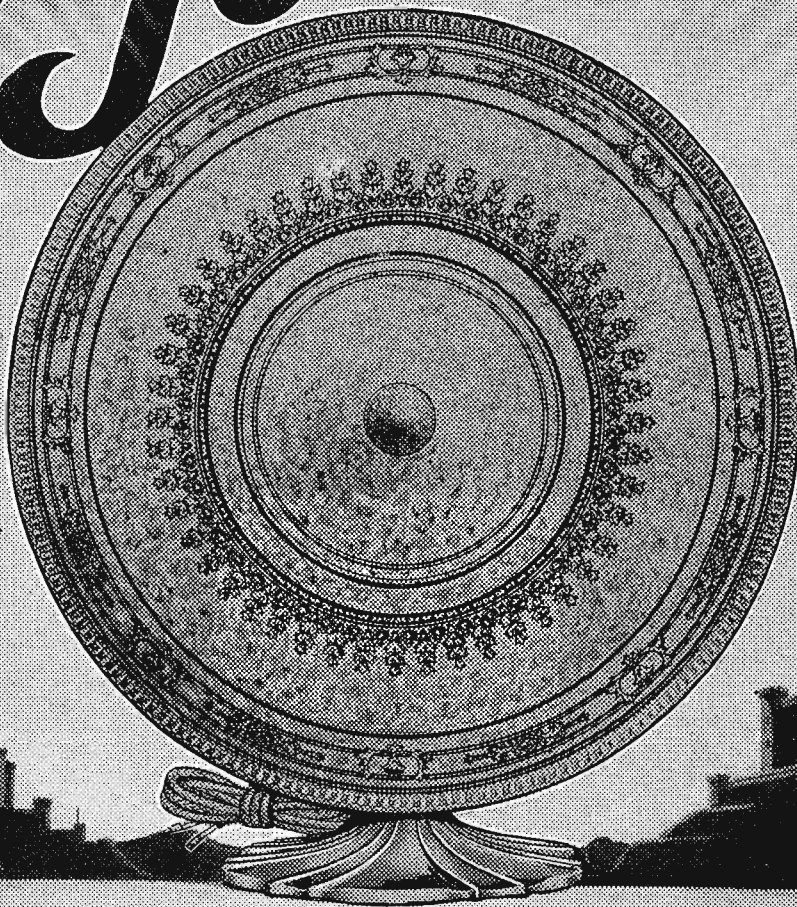
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This coupon entitles the holder to one photogravure selected from the Radio Digest Gallery of Radio Stars when accompanied by ten cents to pay the cost of mailing and postage. Three consecutively numbered coupons entitle the holder to three photogravures when accompanied by 25 cents. Remittance must accompany the coupon. Cash at your risk. Add 5 cents to personal checks for exchange.

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AN EVENING AT HOME WITH THE LISTENER IN IN EASTERN TIME

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

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

STATIONS IN ORDER OF WAVE LENGTHS

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

SHORT WAVES

By Marcella

(Continued from page 6)

Here's your answer, Jeanne, about N. Dean Cole, WHO's director-announcer. "Why, you're not old at all!" That's what you would say—if true to type—when you met "Old King Cole" in WHO's studio. Thousands have exclaimed the same, for they seem to associate King Cole as being a merry OLD soul, in accordance with the famous nursery rhyme. He is merry but not older than the light-hearted side of thirty. He's tall and slender and has blonde hair, rather than being wide of girth and bald, as my Mother Goose book depicts his namesake. He has blue eyes—ah, pools of limpid blue—and causes many a feminine heart to become unduly agitated. His clear, pleasant and vibrant voice is too well known to need description here. Besides having celebrated his second anniversary at the WHO mike on April 1 when WHO likewise marked its second birthday, N. Dean Cole supervised the building of the station. He is a versatile chap and knows all about the technical do-dads and thing-magigs around a broadcasting station. Nine years of experience in the telephone business and a two-year stretch at stringing wires and setting up instruments for the signal corps during the late disagreement with Germany, support his technical knowledge. His value is enhanced again by his talented baritone voice, for on many emergency occasions he has stepped to "Mike" and sung a baritone solo to fill in the minutes until delayed artists arrived.

guilty party. He knew both boys and thought they would make a good Radio team. When the two met in the WLS studio, the joke was on Mr. Bill, for the meeting was a reunion. They had known one another some years before in St. Louis. Ford Rush was born in New Orleans, age 32; weight, 175 pounds; height, 6 feet. Glenn Rowell was born in Pontiac, Ill., where he says they feed 'em corn—hence his girth. He's 5 feet 8 inches tall, 28 years old, 218 pounds heavy, and still likes pie and cake.

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

MEAT PIES CHEAP DISH

(Continued from page 6)

much fat on the meat, it may be necessary to remove some of the melted fat before you make the gravy. Remember that if there is more fat than flour in the gravy it will be greasy. The directions for cooking the meat read, "Let simmer until tender." Do not allow the meat to boil. Remember that meat should cook slowly at a low temperature if you would have it tender and juicy. It is better to cut either the biscuit or pastry crust into small pieces rather than to place a solid crust over the whole pie. If you use one whole crust, be sure to cut holes into it to allow the steam to escape. I prefer individual biscuit because it not only bakes better, but it also makes a pie that looks better and is more easily served. Other vegetables may be used in this recipe than those I have suggested. If you happen to have a few left over string beans they may be used in place of either the peas or carrots. Diced turnip is sometimes used, but be sure it is not too strong in flavor. Small cubes of potatoes or tiny potato balls may be added but many people prefer to serve the potatoes separately with the meat pie. Tomatoes may be added to the pie, but be careful that you do not add tomatoes to every meat dish you make because that makes them all taste more or less alike. You may use different vegetables at different times; for instance, one day use celery and tomatoes, another day, turnips, and peas, and still another day combine carrots and string beans, or potatoes, celery and peas. Onion is good with any of the combinations. If you do not serve the meat pie very often and find that your family like it as it is, then I would serve it just that way and not tinker with it. You know there is such a thing as too much variety. When you find a recipe that you can make well and that everyone likes, you had better stick to it just as it is.

Who was it wanted to locate Val McLaughlin, ex-WOC Sandman and later at WOAW? "Jayhawk" was one, I remember. Here's good news for you. Tune in Val via WLS, Chicago, where she is doing a turn twice each week. I believe she is scheduled for Tuesday and Friday evenings. Understand she is doing some studying here to further her ambition and has taken up the two-a-week broadcast just to fill in her leisure time.

Now for a brief repetition notice of Ford and Glenn, the WLS Lullaby Boys, Several months ago I told all about them, but so many new readers have requested that I repeat and sketch the pair, that I must be pardoned for so doing. To begin with the usual shock: yes, they are both married, and each has a boy. And each boy is about eight years old. Both Ford and Glenn drive cars. In fact, motoring is the chief hobby of both members of the team. How did they team together? Edgar Bill, jovial WLS director, is the

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That Music Copyright Question

WITH the senate and the house committees both carefully considering legislation to amend the copyright law to give Radio broadcasting a "square deal," it seems that perhaps the music problem will be settled this year once for all. One thing is sure: if the senate committee recommends that the Dill-Vestal bill be passed by the senate, the house will also fall in line, and the president, Mr. Coolidge, will sign the bill without question.

What makes us so sure about this? Well, William Butler, senator from Massachusetts, is chairman of senate patent committee which is, or was as this went to press, holding hearings on the proposed light law amendment. Mr. Butler, we shall expect, is a time-tried and true friend of Mr. Coolidge. Mr. Coolidge learned most of his political lessons from Senator Butler. The president admits it himself.

Being a close friend and adviser of the president, it is not unlikely that Mr. Butler will only need to give his stamp of approval to the proposed legislation in order to make it law. We should end this editorial here. It has no immediate purpose except to indicate a measure of optimism to the broadcasters and interests desirous of getting relief from the varying fee demands of the American Society of Composers, Authors and Publishers.

At one time, very early in the controversy between the music society and the broadcasters, we claimed that broadcasting stations were operated not for profit and therefore made nothing from the music broadcasts. In such a status we could see—then—but one perspective: that the music should be free to Radio broadcasters. It soon became evident, however, that practically every firm engaged in broadcasting was so engaged for the benefit of indirect advertising, an asset which could be charged against the station expenditures.

Courts in many districts soon upheld the decision that broadcasters were not operating without compensation for their efforts.

We then changed our position and said that the American Society did have some equity in its arguments. Every composer was entitled to remuneration for his works broadcast. If a station did not wish to pay the American Society the fees it asked, it did not have to broadcast American Society music. There was and is other available. If enough stations had stood together and flatly refused to broadcast American Society music, the society's fees would have been tremendously reduced.

The trouble was that the broadcasters, vying with one another for public recognition and appreciation, were too weak to stand together. But the American Society stuck together nobly and "stuck" the broadcasters.

There is the whole story in a nutshell. The whole affair is nothing but a controversy between the music producers and the music users. Where the public fits into the picture it is difficult to say, inasmuch as the American public does not have to pay for broadcast programs—at least, not directly. As a controversy, it was about as necessary to the swaddling infant Radio as cutting teeth is to the human baby.

Claims, counterclaims and charges have been made that the American Society is a trust, that the publisher members are thieves and crooks, and many other nasty things. We do not agree nor disagree. It remains for such charges to be proved before they carry weight. Why doesn't some well-financed broadcaster take the American Society before the federal trade commission and disband it? We have long expected such a procedure to be announced.

Maybe the copyright legislation will solve the problem. But we have an idea that the American Society will not like the new law—that is, if it becomes a law, Senator Butler recommending it. Then it will remain for the supreme court to decide the Dill-Vestal copyright law's constitutionality.

Perhaps that will be the end? Perhaps.

RADIO INDI-GEST

Rajah in a Low Back Chair

At evening—at ease, in a low back chair,
Secluded from family, resigned from care,
Untroubled by dour and deep meditation,
I find combined in recreation,
Pleasure and repose.

There in the dusk beyond the lamp's gleam,
In a corner of twilight—there to dream.
My hands on the Radio's glistening dials,
My eyes half closed, across the miles
Music at my touch.

A rajah in "make believe" then am I,
In regalia beneath the flaunting sky.
My tents are raised on the desert sand,
Around me in silence my Arab band,
While serenaders sing.

What rajah of old had more to amuse,
Had more for his pleasure from which to choose?
What rajah, or emp'ror, or king may hear
Song of siren, and wisdom of seer,
As I, in a low back chair?

THOS. L. WILLIAMS

Go to the Head of the Class

Dear Indi: Leo Butts, a six-year-old boy at our school here in Burwell, Nebraska, was asked to spell Omaha and he spelled it W-O-A-W. I am twelve years old.

L. J. GARRISON

And to keep any little boys or girls from having to stand in the corner with the fool's cap, we will say that W-E-A-R spells rubber; W-H-O, insurance; W-O-O-D, furniture; W-O-R-D, church.



"A FLOP ON THE STAIRS"

by THE THIRD TROMBONE PLAYER

Episode 3—The Phantom Killer

Synopsis—Sebastian Kreske, a retailer of reasonably priced Radio parts is being threatened by the trust. He can't raise his prices as he sells his goods in stores which sell nothing over one dime in price. What to do? Now read the rest of the story to Grandma.

KID DIRKUN, fearless copy boy, gracefully injecting 10 grains of heroin, fixed his limpid orb on the five and dime magnate saying, "I have it, Mr. Kreske." "Wass iss id," asked Kreske in his best Oxford accent.

Our hero was about to outline the plan when a woman's scream rent the midnight air.

A dull thud followed. The millionaire had fallen to the floor. It took but a glance to see that he was dead. (Really now, this is getting beyond the limits of a joke. Even the Chicago police would not like it. Extra copies for sale at your druggists.)

(TO BE CONTINUED)



Johnny's Map

Johnny Jenkins drew a map
And laid it on his teacher's lap;
A map of dear old U. S. A.,
The towns all marked the latest way.
Said his teacher: "Tell me why
You've put the letter K F I
In California? K S D
Up in Missouri? K Q P
In Oregon? It puzzles me!"
And Johnny answered: "You would know
If you but owned a Radio."

MADELEINE AARON

Help! Help! Help!

In order to make DX reception better, perhaps the stations should lengthen their waves so as to make them reach farther.

ED ESS

Boy, go down and get the wave stretcher.

Oil Right—Gas He Can

I name John D. Rockefeller for the Famous Fans club. He has more air stations than anyone else. CLANCY

She's So Dumb

She thinks Wendell Hall is a girls' seminary.

This Straw Vote Is All Wet

DO YOU FAVOR PROGRAMS WITH
MORE THAN 2.75% SOPRANO
CONTENT?

NO.....

Mark Any Two
Squares

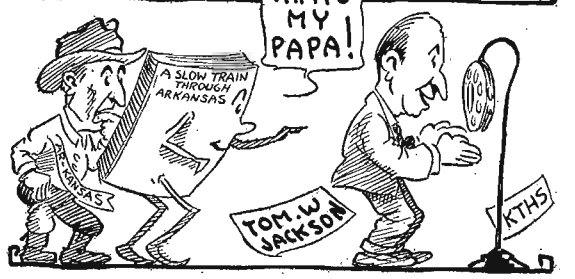
NAY.....

WHY NOT?.....
(Give Reasons)

In an effort to ascertain if the constitution should have iron in it, this strictly impartial ballot is being taken. And what are we going to do about the wash? If any?

INDI

News of the Week



Condensed

BY DIELECTRIC

Several obstacles prevented my successfully tuning Station KFKX, Hastings, Nebr., until the other evening, when the familiar voice of their announcer introduced listeners to a special musical program. It was nearly all interesting, though the work of a pianist made the most impression with a program of music of general appeal. Perhaps this station's audience prefers to know in what company it sits; at any rate, the announcer took pains—and time—to make clear that certain individuals in scattered locations were at their sets listening in to the features. None of the names were instructive to me and the numbers were, so that bit of information was superfluous.

We still face such a paucity of orchestra entertainment that visiting ships are called on to supply the lack by some of our broadcasters. Station WIP, Philadelphia, took advantage of the Leviathan's orchestra to fill one feature on an evening's program. The selections were uniformly choice and well rendered, having as an additional feature, soloists with much to recommend them for return engagements.

In the young American artists series of concerts from Station WLS, Chicago, we had the good fortune to hear a contralto with a voice of very good quality and training and to hear her sing compositions by American composers. One of MacDowell's gems was given with more than ordinary ability and makes one wish to hear this artist sing "The West Wind Croons in the Cedar Trees," by the same composer.

Another of those pleasing organ recitals from Station WHO, Des Moines, broadcast from the Capitol theater, was of a sort to encourage listeners to come back for more. That French woman composer, Cecile Chaminade, has left us some works of real beauty which comparatively few musicians today present to their audiences. It was a pleasure to listen to an adaptation for organ of one of the best of these and to note the organist's appreciation of its content.

Whether you would go to the theater and cannot, or frankly prefer to attend by the proxy of Radio, matters not with the possibilities presented by Station WBAP, Fort Worth, Texas, to enjoy diversified entertainment. The theater artists' concerts arranged by this station and frequently broadcast are attractive features. Tune in some evening and permit yourself to relax while listening to what is offered.

Station WQJ, you know how they accent "Chi-caw-go," included in a recent program the singing of some sentimental numbers by a tenor thoroughly versed in their style and a soprano, but a few minutes off a vaudeville stage. This was interspersed with the reliable sax in solo capacity. The whole was calculated to take any listener out of the dumps.

Those failing to tune in Station WSB, Atlanta, before the commencement of a well-planned program by the Rialto theater orchestra missed a very interesting and enlightening musical arrangement. It was introduced as the evolution of America: a musical history, beginning with the beating of the Indian tom-tom in a selection representing all of the weird and barbaric musical feeling of the early aborigines. Later we were treated to one of their romantic melodies—more romantic than melodic. The whole conception is something to merit our support, for America is truly forging to the fore in matters musical.

SUPER-TORODYNE BINDING POSTS

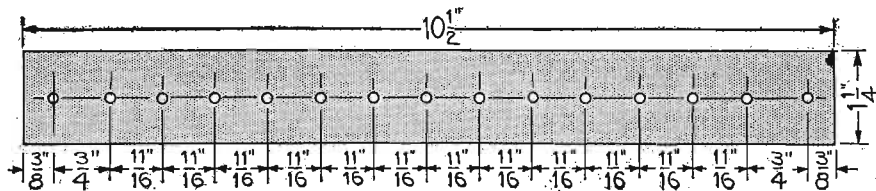


Figure 6

NEW SUPER-TORODYNE

(Continued from page 19)

front except in the case of tube sockets Nos. 4 and 8. These have the grid and plate connections toward the front, with the filament connections, toward the back. Tube socket No. 6 is for the audio detector and should be a Bremer-Tully Silent Socket as specified in the list of parts.

Functions of Controls

Considering the parts on the front panel, and comparing figure 1 of the first article with figure 3, the control at the left is seen to be the first detector regeneration control. It should be mounted with the stator insulating support to the right, remembering that the view is still from the dial side of the front panel. The next control, the National Velvet Vernier dial, is for one of the Hammarlund .000375 mfd. s.f. condensers, which tunes the antenna circuit. The next control is

the Victoreen 400-ohm potentiometer. This is followed by the National dial, controlling the oscillator condenser. This condenser tunes the local oscillator circuit and is connected to the toroid coil at the right. Both of the Hammarlund s.f. condensers should be mounted in a vertical plane as is shown in figure 3. Two 1/16-inch holes are to be drilled in the front panel for the purpose of anchoring each of the National dials. Complete directions for doing this are furnished with the dials. Single-hole mountings for the condensers should be used because some slight adjustments in the position of the condenser are necessary after the set is assembled. The control at the extreme right is the Benjamin battery switch.

(Next week Professor Owen will continue with the assembly of the Super-Torodyne and will take up the wiring of the receiver. As accuracy is the keynote of this construction, it may be well to wait before proceeding.—Editor's note.)

PENSACOLA WELCOMES

(Continued from page 4)

"But it's great to live in Pensacola," says Mr. Frenkel to his Radio audience. "No city in the world compares in historical interest and romantic tradition. It is the oldest city in the United States. Our records show that it was founded four years before St. Augustine, more often spoken of as the oldest city on the continent. It has lived under the regime of five flags, Spanish, French, British, Confederate and the Stars and Stripes—Old Glory.

"Pensacola has an eminent social atmosphere, a prestige unsurpassed by any other city in the country. The climate is perfectly enjoyable to citizens from the North, throughout the whole year. It has lakes and hills and trees and old roads, providing scenic beauty and charming tours for motorists."

It's a labor of love, folks, and if you ever have heard the breezy enthusiasm in the voice John E. Frenkel over WCOA, Pensacola, Florida, the Wonderful City of Advantages, you know it.

WOAW AIDS FRIENDSHIP

(Continued from page 5)

deeper than mere fundamentalism or modernism in religious belief.

The fraternal message is thus given wide scope from WOAW through its amplification of the religious services. Religion and human felicity, human moral growth, go hand in hand; hence, the strong support to the church rendered by the executives of the Woodmen of the World. It has been found that Radio does not conflict with church going, but rather, tends to revive it, to return to the fold many who had been lost lambs.

More than twenty persons compose the staff and its attaches of WOAW. Their sole duties are confined to arranging programs, Radiocasting them, handling fan mail, etc. Three announcers, two operators, a studio hostess, publicity director, program director, four stenographers, five typists, a business manager, phone girls, make up this staff.

Lester Palmer is program director and

announcer. He is a talented pianist and composer of several popular songs recently published, "Lonesome Moon," and "Truly I Do." He edits the WOAW Radio bulletin, a bimonthly journal which contains programs two weeks in advance, as well as descriptive stories and photographs of artists who are on the programs. Ten thousand copies of this bulletin are mailed each month to newspapers, public institutions, and Radio artists. Mr. Palmer is a student of law, and the youngest Shriner in Nebraska.

Eugene Konecky is featured as WOAW's poet laureate and announcer. He was the first official poet laureate connected with a Radio station. He is well-known in the Middle West as author of "Trail O' Spring," a volume of poems.

Gus Swanson, announcer, is a very versatile chap, and in the 35 years since his first announcement he has had a varied career. He has had six years' experience in the selling and advertising game, and is at present engaged as a salesman in the printing and publishing line. His musical and commercial career have adapted him perfectly for Radio work, giving him poise and confidence in his microphone work. He is quick witted, congenial and well versed in music and other arts which combined with his ability to entertain and his excellent voice makes him an ideal announcer.

The bedtime stories for the kiddies, are handled by Grace Sorenson, author of juv-

enile stories, poems and plays and editor of a nationally-known children's publication.

Among the special features are Arthur Hays, organist of the World theater, offering organ recitals at 11 o'clock each Saturday; the Rialto Midnite Alarm, a Tuesday fun fest; Hodek's Nightingale orchestra of the Roseland Garden in a mid-night frolic each Thursday. The presentation of stock market reports are made daily from WOAW in behalf of the thousands of agriculturists throughout the Middle West. The periods of Radiocast of market reports are as follows: 8:15 a. m.; 8:55 a. m.; 10:30 a. m.; 12:30 p. m.; 1:45

Radio Club Notes

Thanks, Mr. Fernald, (whose home town is Baltimore, Md.) Now that others will read of the fine personal work you are doing, many of our Radio club members no doubt will follow suit. Which is but another way of introducing a listener whose interest in Radio is such that he addressed letters to some fifty of his neighbors upon the subject of "Blooping" and offered to help them "keep the air clean."

Arthur C. Zellner, Radio editor of the Janesville (Wis.) Daily Gazette, opined that a few might join if he suggested a Radio club, not realizing that most of Janesville's Radio population would come to his party. But they did and the SRO sign went up early in the evening. High spots were the talks given by Mr. D. J. Marcus and Thomas Hefferan, while the blue ribbon was voted to the Wisconsin Light and Power company, when the manager, Mr. W. R. Schmedley, mentioned that his company stood ready to stand back of any move which would make for better Radio reception, and to prove it said, "We will replace, at our own expense, any apparatus in our plant that is found to be the source of interference."

Out where the West begins—Cheney, Washington, to be exact, is the headquarters for a live Radio club. Leon Swank is president and Thomas Smith, secretary-treasurer. Just to be sure that they would get started off on the right foot, James S. Lane of the normal school faculty has the pledge of the club members that they will attend a regular course of instruction, which Mr. Lane will conduct. If you know Radio help your club as Mr. Lane is doing.

Sylvania Radio club of Allentown (Pa.) is so ambitious they have gotten out a new and complete Radio call book with an information encyclopedia compiled by, for, and of average Radio listeners. Other clubs desiring more information on this subject can write to Joseph E. Yeager, 1236 Gordon street, that city.

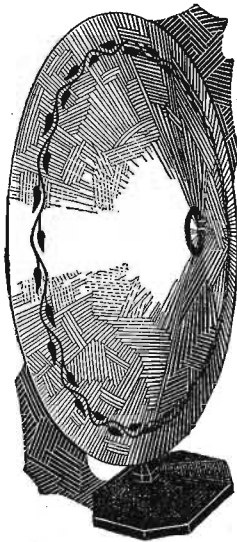
DO YOU KNOW WHERE THESE PEOPLE LIVE?

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.

p. m., and 4 p. m. Among the leading orchestras who entertain WOAW listeners are Gilbert Jaffy's Symphonic; Randall's Royal; Herb Feierman's Omadala, and Frank Hodek and his Nightingales.

All WOAW programs are varied, planned to appeal to a diversity of tastes. Orchestras, vocalists of popular, jazz and classic schools, instrumental soloists, dramas, sports talks, love advice, educational courses, etc., are on the programs at all times. You can't please all the people all the time, but the Woodmen of the World, through WOAW, is pleasing all the people part of the time, and putting across a dignified, significant message of fraternalism and religious worship at the same time.

The Zurich, Switzerland, station, which up till now used but 500 watts power, has been increased to 5,000 watts. The installation is already provided.



Make Your Own Cone Loud Speaker —and Save \$25.00

(All Parts Supplied)

Why pay \$35 or more for a cone loud speaker when you can easily assemble a splendid super-sensitive one at home with the complete parts we send you—and save \$25?

We include a special complete cone unit, blue print and simplified directions for assembling. You can easily set up this wonderful speaker in a few interesting hours. Large size, stands eighteen inches high, complete in every detail. Not only unmatched for beauty, but reproduces the finest sound of music or voice with faultless accuracy. Yet the cost is amazingly low—only \$10—for the most approved form of speaker known. You make this big saving because we save the cost of assembling and packing and you save all jobbers' and dealers' profits.

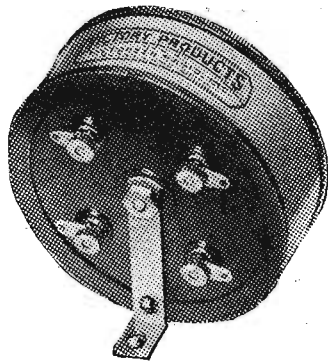
Send No Money

Simply send name and address and the complete outfit will be sent you by return mail. When postman brings package, deposit with him only \$10.00 in full payment. If you aren't more than delighted—if you're not absolutely convinced that you have a cone speaker

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The National Cycle and Radio Company, 605 East Fourth Street, Amarillo, Texas. Gentlemen:—Ship at once ONE MARTIN WAVE SPREADER. I have Radiola Model..... It is understood this will improve turning on low wave stations or my money, less transportation charges, will be refunded if spreader is returned in ten days. Money order for \$9.80 is enclosed. Yours truly,

How to Stop Blooping and Man-Made Static

Part X—Receiver for Locating Interference

By The Technical Staff

IT IS obvious that no intelligent attempt toward the elimination of interference can obtain until a study is made in order to determine its character, as well as its location. Very often such a survey will point the way in which the offending media may be most easily remedied.

To illustrate this point, the writer desires to mention a particularly difficult case which he was called upon to assist in eliminating, as an example of peculiarities which are, at times, almost ridiculous once the offending medium is discovered. The case in mind had to do with an alternating current hum which insisted upon appearing upon a given evening each week, but was absent at all other times, the noise being so loud and continuous that it was quite impossible to operate the receiver. So far as was possible, without employing a loop directional test, both the receiver and its wiring, including the antenna and lead in, were not at fault. The immediate neighborhood did not reveal any devices which could be blamed for any such noise of this character. It was evident that the unusual was taking place, but how and from what source of supply was an entirely different story.

In near desperation, an inspection of the house wiring was decided upon. Upon entering the kitchen, which was adjacent to the room in which the receiver was located, the first object to greet the writer's eyes was the wife of the home busily engaged with her weekly ironing. Turning off the electric iron proved conclusively that we had found the cause of the trouble, it being apparent that, as it was very close to the receiver and only separated by a partition, in operation it was influencing the inductances of the receiver.

While many types of circuits which will operate from a loop may be designed and constructed in portable form, as an assistance to those who may not have a suitable circuit, this article describes a type of receiver that has proven very satisfactory in locating interference. Two illustrations

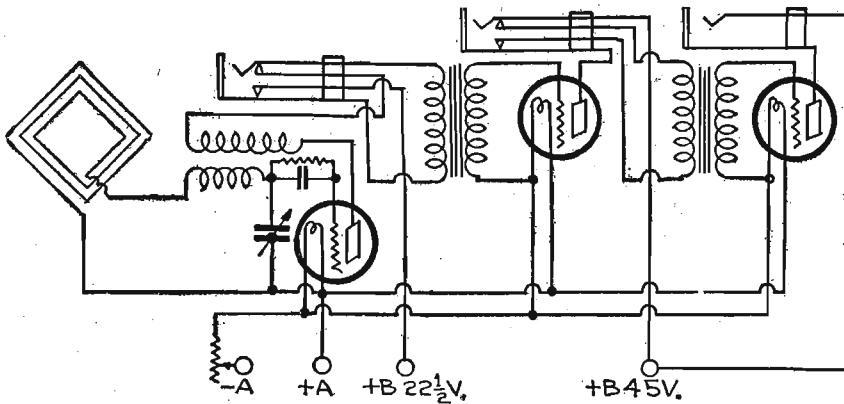


Figure 19

tions are shown, one of the circuit, the other of the completed receiver. It should be understood that in following the circuit, it is not essential that it be mounted as shown in the completed receiver, this photo merely being offered as but one of many arrangements which may be constructed, and possibly more elaborate than would be desired by many.

The specifications for a receiver following the diagram shown are as follows:

The loop is pancake wound, the outside turn 22 inches square, the total turns to be 14, spaced 3/8-inch apart. The plate coil consists of 50 turns of number 26 dcc, wound upon a 3 1/2-inch tube of Formica. The grid coil is composed of 40 turns of number 26 dcc, wire wound on a 3-inch tube. The tuning condenser should have a maximum capacity of .0005 mfd. and be of the straight line frequency type if possible, although a straight line wave length type will work reasonably well. It is highly desirable that a noninductive variable grid leak with clips for the mounting of a .00025 mfd. fixed condenser be used with this circuit, as at times extreme sensitivity is required for the operation of the detector. Such cases require

a leak which may be varied from 1/4 to 10 megohms in order to secure best detector operation.

As the three tubes are controlled from one rheostat, the resistance value required will vary in accordance with the type of tubes used, while possibly the best practice would be that of using one whose resistance would be sufficient to control all ordinary types of tubes, thus eliminating the necessity of changing the rheostat in the event of one desiring to change from "A" type tubes to 199's.

Your attention is called to the wiring arrangement of the first jack which varies from the usual method in that it is connected in such a manner as to provide audio amplification when it is desired to use auxiliary apparatus in connection with current variations or audio frequency only.

The question will arise as to whether it is desirable to shield this or other types of receivers which are to be used for the

location of interference, and, at first thought, such a practice would seem advisable. It however is apparent that as the loop must of necessity be exposed it would be quite nonessential to shield the receiver, while in many instances interference caused through, or by, some extreme leak is quite readily picked up and located without having to resort to the use of the loop.

In constructing this or other receivers for this purpose, the same construction rules that direct the building of a high-class receiver for broadcast reception should be followed. Grid leaks should be run as direct and short as possible. Plate leads should be at right angles to the grid leads, if possible, and well apart from them. The by-passing of both the A and B batteries should have one's consideration, while the cabling of all low potential wires adds materially to the all around efficiency of the completed receiver.

As the receiver in question is to be of a portable type, sponge rubber should be used underneath the socket mounts or sockets which are designed to compensate for the mechanical vibrations incident to the use of the receiver.

The assistance of such members of Radio clubs as will earnestly try to locate sources of interference and report them to the individual in charge of all interference activities, is strongly urged. Much assistance will be required, and of a character which will studiously avoid the personal element which is so disastrous to successful progress.

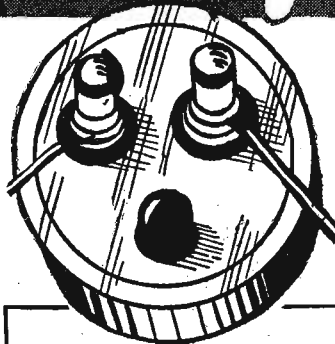
In the experimental group of broadcast listeners, the habit of tinkering with the receiver is all too common. Imaginary troubles pop up and usually at a time when signal strength fails for a day or so. The listener is often prone to blame his set, while generally the fault is chargeable to atmospheric. This is evident (Continued on next page)

No More Static!



NEWEST, most startling invention eliminates static under all weather conditions. No loss of volume. Everything comes in clear and strong. No more exasperating buzzes, squeaks, and howls.

Start to enjoy the pleasure of your radio. Install a Static Eliminator and you can forget all about static forever. And not only that. You will increase the selectivity of your set—you will be able to tune out other stations easier, sharpen signals, remove noises, lessen interference, and prevent re-radiation. Over a half million Static Eliminators in use now. Thousands being sold daily. You will be enthusiastic too when you hook it up to your set and hear the amazing difference.



STATIC Eliminator fits all makes of radio sets. A child can hook it up in half a minute. Lasts a lifetime.

The Static Eliminator is sturdily made to give many years of perfect service. A simple, but effective device that hooks up to any make of set in 30 seconds. Complete, easy to follow directions included with every Eliminator. You will be amazed at the immediate improvement in your results. Mail coupon for your Eliminator now.

Satisfaction Guaranteed

You will be delighted with the results of this remarkable instrument. That's why we guarantee absolute satisfaction. Money back if Static Eliminator is returned within 5 days. Don't be without it another day. Begin at once to know the real joy of receiving all stations without interference. Mail this coupon with a dollar bill—TO-DAY!

Mail This Coupon NOW

Form for mailing a coupon to the Static Eliminator Company, including fields for Name, Address, and City/State, and a pre-filled request for a Static Eliminator.

Amazing Low Price

\$1.00
Postpaid

This wonderful new invention sells for only \$1.00. Users say it's easily worth ten times this price because it produces such a wonderful improvement in receiving power and clearness of all radio sets.

"MARVELOUS!" Users Write

"I find your Static Eliminator to be the most wonderful addition to a radio set in all my experience. It sure does the work."—J. J. Aldrich, 172 N. 4th St., Columbus, Ohio.

"Am surprised at the wonderful results I am obtaining. I am now receiving stations with clearness that is truly remarkable."—Thos. C. Smith, 2582 Parve Ave., New York.

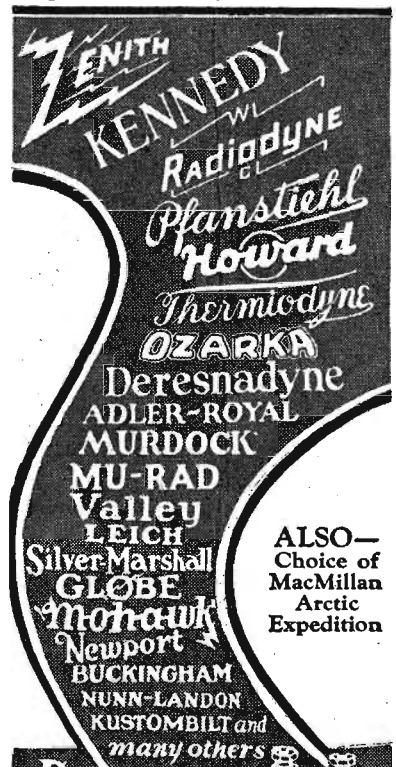
"Your Static Eliminator is a great help. It gives me a wide receiving range. Last night in less than one hour, I had about 15 different stations."—R. D. Smith, Box 365, Clermont, Florida.

"I like the Eliminator fine. I wouldn't sell it if I couldn't get another."—Burt W. Thompson, Homer, Mich.

STATIC ELIMINATOR CO.

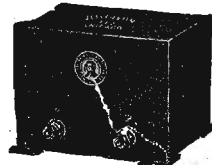
642 United Bank Building
Cincinnati, Ohio

Year after Year leading builders of fine sets use more Thordarsons than all competitive makes of transformers combined—proof they are best!



Do as they do—use THORDARSON Super TRANSFORMERS STANDARD ON THE FINEST THORDARSON ELECTRIC MFG. CO. CHICAGO

JEFFERSON A L Sealed Transformer



Specified by Dr. Owen

Dr. Owen of Oklahoma University has selected the Jefferson A L Sealed Transformer for his new Torodyne circuit, described in Radio Digest.

Here are his reasons for choosing this superior transformer: (1), Nicety of balance, giving even amplification at low frequencies, and preventing resonant peaks at the higher frequencies. (2), Tests show a practically straight line curve from 30 cycles for the low notes up to 10,000 for the high. (3), Heavy insulation throughout, lowering resistance between the primary and core.

Can Be Used with Power Tubes

(4), Can be used with the new power tubes. (5), This transformer is SEALED IN A METAL CASE, insuring protection against moisture and other outside influences. Ratio: 2 to 1; price \$6. Sold by leading dealers. If your dealer does not have Jefferson A L Transformers in stock, do not be satisfied with a substitute, but write us direct.

Jefferson Electric Mfg. Co. 506 S. Green St., Chicago, Ill.

Specialists in Electrical Precision Equipment



TROUBLE-SHOOTER IN SUITCASE

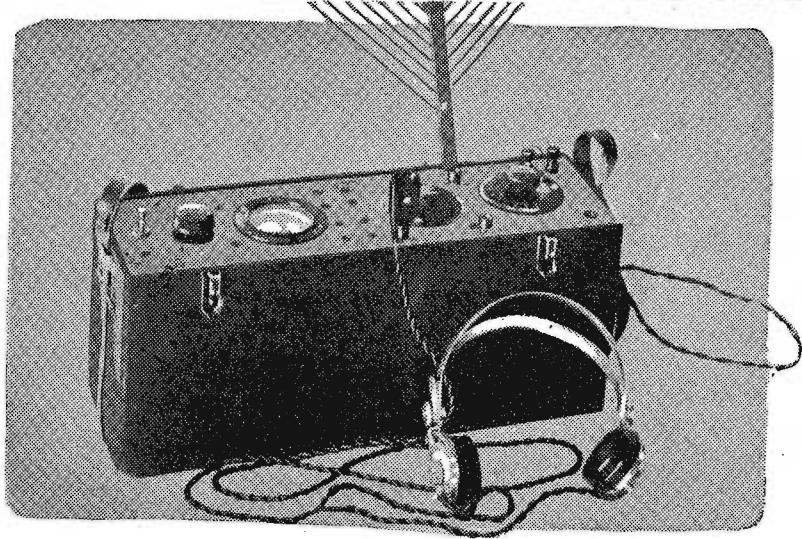


Figure 20

HELP STOP BLOPING

(Continued from page 21)

denced by the poor signal strengths which have been an outstanding feature of Radio this season, and particularly so during the recent international tests.

While tinkering is to be discouraged, it is equally important that definite causes of interference should be corrected without delay. Once such interference and its source is located, the presentation of the facts to those owning the offending apparatus, should be given in a manner which

will not offend, and with a spirit denoting a sincere desire to be helpful.

Human nature runs pretty true to form the world over. Rubbing one's feathers the wrong way will never bring about the desired cooperation, while diplomacy coupled with sincerity and fairness will usually accomplish the desired result.

(In the next and final "BLOP" article, the technical staff will describe a newly discovered cause of interference and prescribe for it. You may be causing a disturbance and not know it.—Editor's note.)

The Reader's View

A Moral Obligation

Replying to R. F. Sperling's letter. He says he would like to know more about our way of doing away with local interference. He is right about the license fee of one dollar going toward the elimination of such things as power noises, leaky transformers, ship to shore communication on broadcast waves and similar troubles, but one thing that we are troubled with is the "nut" with the regenerative set who advances his regeneration to the point where he makes life tough for the other fellows.

The government is absolutely helpless in this case. There is no law against bringing one's set to the point of oscillation, it is just a moral obligation. When bloopers realize they can get better reception just below the point of oscillation, this will be a better town to live in.

The marine and fisheries department of Canada issues licenses and the law is that one must have a license before erecting an antenna, under penalty of confisca-

tion of the receiving set. This seems rather hard on the amateur, ignorant of the conditions, doesn't it? So far in this city we have not had any noticeable improvement in reception but, of course, the noises the inspectors did leave us are

CLASSIFIED ADVERTISEMENTS

Classified advertisements in Radio Digest produce results. Have you a receiving set to sell? Do you want to buy a Radio? A classified advertisement in this column will sell your set.

Rates are twenty cents a word for each insertion, ten per cent for six insertions, fifteen per cent for twelve insertions, twenty per cent for twenty-four insertions. Name and address to be included at above rate. Cash should accompany order. Minimum of ten words.

Objectionable and misleading advertisements not accepted. Forms close three weeks prior to date of publication, which is Saturday.

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.

MISCELLANEOUS

Photos of Your Favorite Radio Stars. Ten cents and coupon appearing on another page of this issue will entitle you to one of the photos from Radio Digest gallery of stars. Radio Digest, 510 North Dearborn Street, Chicago.

PATENT ATTORNEYS

PATENTS. Booklet free. Highest references. Best results. WATSON E. COLEMAN, Patent Lawyer, 644 G Street, Washington, D. C.

RADIO

Five tube Radio only \$22.50. Seminole Radio, 427 East 16th St., New York.

impossible to control without "canning" the man who listens with his set boiling over.—E.H.T., Saint John, N. B.

Played to Death

Many of our readers seem to prefer popular music over the Radio, but I must say that I can hardly agree with them. No sooner does a really pretty or catchy tune come out, than the Radio stations begin to literally play it to death. When I first heard "All Alone" I liked the song very much. Then I began to hear it over the Radio every night from every station in the country, and after hearing it about fifty times from as many stations, I felt that I never wanted to hear the song again as long as I lived.

Is it any wonder then, that these songs very soon cease to be popular and the public clamors for something "new"? I think Radio broadcasting is a dandy means of destroying the popularity of any song.—H.K.M., Alva, Okla.

He Likes Us

Thank you, Radio Digest. For four years I have been waiting for some magazine to come out with the truth as to what kind of receivers radiate. And you include the super and the tuned R. F. and the dear old neut. Now we are getting down to business and perhaps there will be results. While other Radio publications confine their anti-blooper remarks to the so-called regenerative set, Radio Digest hits the whole family of bloopers. More power to you and may you not lose any subscribers or advertisers.—H. W., Wakefield, Nebr.

For the Good of Radio

Please allow me room in your paper to

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. **EDWARD N. COOK PLATE CO.** 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.

RADIO DEALERS

We want to hear from hard-hitting radio dealers operating live-wire stores who want to make the best jobber connection in America.

Our eight big warehouses furnish you with the finest products in radio. And we ship fast. **WANTED** Write today on your letterhead for big catalog of nationally advertised lines. Ask for AE 1006

WAKEM & McLAUGHLIN, Inc. 225 E. ILLINOIS STREET, CHICAGO, ILL.

It SEPARATES the STATIONS
One Dial (1 condenser)
GOES THRU STATIC



SUPERFLEX—\$80.00 list
Dealers—ask us WHY? Test a sample. **RADIO PRODUCTS CORPORATION, (Inc.)** 3816 N. 28th St. Birmingham, Alabama

A&B Battery \$2
Charger ONLY



SATISFACTION GUARANTEED

Charges any type of storage A or B battery, using a few cents worth of ordinary house current. 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. 343, Cincinnati, Ohio

express my opinion concerning the overcrowded and general "mussed up" condition of the wave channels from 230 meters on down. I think something should be done to bring about some relief of the situation. As it is now, the lower half of the dials are practically useless, except a few stations that can be received clear and without interference from other stations near the same wave length. This situation is a serious matter and needs Mr. Hoover's immediate attention.—W.B.S., Austin Texas.

Justifies WJAZ Piracy

I have been somewhat interested to read of the federal suit against WJAZ for pirating wave lengths. I feel that WJAZ is perfectly justified in "Piracy," if you wish to call it that. The Radio commission has given them such a small assignment of time as compared to other stations that you can't blame them for turning pirates. Here's hoping that Mr. McDonald of WJAZ wins out. Compliments to E. F. McD.—F. A. P., Nestoria, Mich.

Short waves travel farther than long waves and require less power to cover the same distance than the longer waves do.

A storage battery is good for several years or more, depending on its careful maintenance.

GENUINE NICHROM E WIRE

Easy Now to Make and Repair Electrical Appliances. Highest grade resistance wire needed in all electrical appliance building and repair; Absolutely guaranteed up to 660 watts, 110-12-Volts, 6 Amps. **COMPLETE** Put up in handy packs, enough to wire **PACKAGE 60c** or repair range, furnace, iron, griddle, toaster or any appliance, complete with mica washers and full instructions. Or furnished in straight lengths 100 ft or more; small size round or flat 1/2 inch; large size round 2c. Order today. Either enclose money, stamps or draft. **ANDERSON-PITT CORPORATION** Makers of the Anderson-Pitt Heater 2615 Walnut Street Kansas City, Mo.

BODINE TWIN-EIGHT R.F. COIL

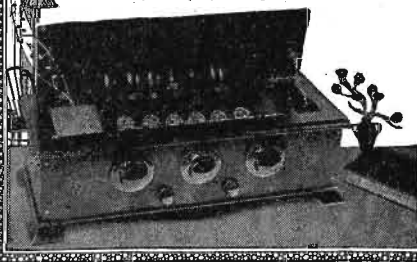
A remarkable new radio frequency transformer that combines a very limited magnetic field with tremendous amplification. Very sharp tuning. For real satisfaction use **TWIN-EIGHTS**. Price \$3.00 each, \$9.00 per set of 3 matched coils. At your dealer or sent postpaid upon receipt of check or money order. Wiring diagrams free.

BODINE FOLDING LOOP AERIAL Wonderfully efficient. Large enough to give good signal pick-up, but folds to fit in small box. Beautifully finished in mahogany and satin silver. The best loop at any price. Standard loop \$8.50. Equipped with 5 point tap switch \$10.00. Write for folder. **BODINE ELECTRIC CO.** 2260 W. Ohio St., Chicago, Ill.

Nightingale

6-tube Set with Integral Loud Speaker \$75

A wonderful, sharp tuning set of beautiful tone, made complete in our own factory. Five-tube assembly suffices for most stations, but volume can be tripled by using 6 tube terminal. No wasteful neutralizing condensers but perfect balance of parts. See Nightingale dealer or write to **THE GUTHRIE CO., GRAFTON, OHIO** Makers of the famous Songbird Line



Radio Bargain Hunters

This Cabinet \$3.45 with built in speaker 7x21 also carried in 7x24—7x26



Finished in hand rubbed Adam brown mahogany. Lower part of the cabinet contains the loud speaker horn. The end of the loud speaker is covered with a silk screen which adds richness to the entire cabinet. A clip suitable for attaching a loud speaker unit is included. No unit included.

We purchase for cash, bankrupt and surplus stocks from manufacturers and jobbers throughout the country. By selling entirely for cash, we are able to offer guaranteed quality radio apparatus at hitherto unheard of, low prices. We do not have everything in radio, but if we have it, you can save money. **Send for the Bass Bargain Bulletin and save money on your radio needs.**

A. H. BASS & CO. 744 N. Clark St., Dept. 16, Chicago, Ill.

GALACITE Makes Your Tires PUNCTURE-PROOF in ONE minute

Tires hammered full of nails, leak no air. This startling new invention banishes tire trouble forever. Repairs punctures without taking the tire off the rim. Actually makes any tire puncture-proof for life. Seals instantly all punctures, slow leaks and porous places, often increases tire mileage from 10,000 to 12,000 miles by preserving rubber and keeping tires properly inflated. Positive money back guarantee means GALACITE must make good—or we will. **AGENTS \$10,000 a Year** IMMEDIATE Tremendous profits selling this revolutionary invention to car owners, Garages, Service Stations, etc. Earn up to \$10,000 a year with exclusive territory. Your name and address brings particulars by return mail. **Send Today** before someone else gets territory you want. **G.F. JOHNSON & CO., 19 W. Jackson Blvd., Dept. 172, Chicago, U.S.A.**

FOR CLEAR, QUIET "B" POWER



RADIO Storage "B" Battery

12 Cells 24 Volts Lasts Indefinitely—Pays for Itself Economy and performance unheard of before. Recharged at negligible cost. Delivers unflinching power that is clear, pure and quiet. Approved and listed as Standard by leading Radio Authorities, including Pop. Radio Laboratories, Pop. Sci. Inst., Standard Radio News Lab., Lo-fax, Inc., and other important institutions. Equipped with Solid Rubber Case, an insurance against acid and leakage. Extra heavy zinc jars. Heavy rugged plates. Order yours today! **SEND NO MONEY** Just state number of batteries in received. Extra offers 4 batteries in series (36 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. \$11.95; 120 Amp. \$13.95; 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.

**Excerpts
from Telegrams:**

"Tested your RFL-60 within two blocks of local 500-watt broadcasting station, using twenty-five foot wire on floor for aerial. We picked up stations all over the country and when local station came in tuned it out and picked up WSAI at 319 meters. The local station is 270 meters. This is the only set ever tested under these conditions that would tune this station out at any point on dials."—Decatur, Ill.

"We tested one of your new RFL-60 sets here in our building using an antenna about 75 feet long and directly under and parallel with our transmitting aerial. The exceptional selectivity of the Crosley receiver permitted us to tune out our station WTAX, just as easily as we would tune out a Chicago station."—Streator, Illinois.

"An RFL-60 tested in competition with other receivers of much higher price proved its unquestioned superiority. The new Crosley models offer the greatest values on the radio market." — Kansas City, Mo.

"The Model 4-29 is classed with the Trirdyn Model 5-38 bringing in Pacific points with ample volume, using a Musicone. RFL-60 and 75 are very selective. Have separated distant stations on less than one degree on the dial. Have logged Mexico City and Pacific Coast Stations with plenty of volume."—Miami, Fla.

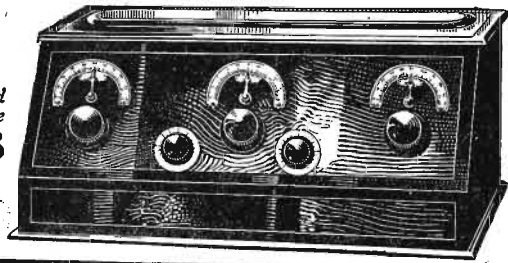
"The RFL sets outstripped much higher priced outfits. These sets bring in Canadian, Cuban and Mexican stations as easily as those on nearby states."—Glasgow, Ky.

What's the idea of keeping a fellow up all night foolin' around with that darned little 4-29?

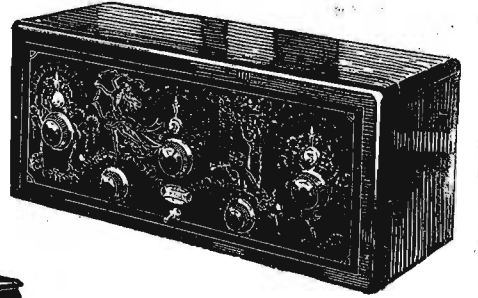
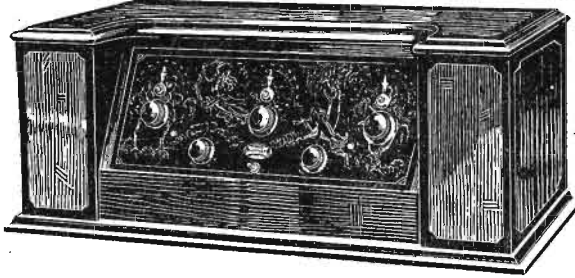
I've been in the radio game for seven years and was beginning to believe that there wasn't a set in the world that would keep me up late but when that little 4-29 started to pull in Houston, Texas and with such extreme volume I sat up and took notice.

I got California station with unbelievable volume last night. KFI came in so loud that it could be heard over a block on a Musicone speaker. I've gotten over one hundred and twenty-five stations in only three nights. — Spring Valley, Ill.

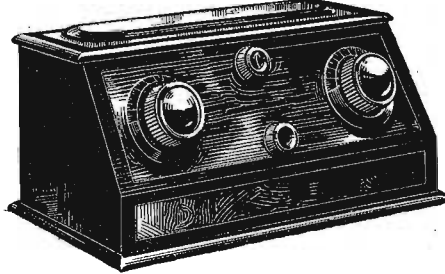
The Crosley 5-tube—5-38
All the volume, selectivity and purity of tone available in the best 5-tube set—plus the Crescendon . . . **\$38**



The Crosley 5-tube—RFL-60
A set of marvelous performance and beautified by the artistic decorative panel . . . **\$60**



The Crosley 5-tube—RFL-75
Simplicity and speed in tuning, fidelity of tone and decorative beauty, enhanced by the art panel . . . **\$75**



The Crosley 4-tube—4-29
in which the Crescendon is equal to one or more additional tubes of tuned radio frequency amplification . . . **\$29**

Prices slightly higher west of the Rockies

By Expressed Opinion of Fans The Greatest Radio Values Ever Offered!

Real performance! Amazing sensitivity and selectivity! Marvelous tonal qualities—inspiring volume. And surpassing beauty!

Read, in the column at the left, the enthusiastic comments of a few of the many radio fans who have voluntarily written or wired us their praise.

True radio values—at astonishingly low prices. Hear a Crosley Concert at your nearby Crosley dealer's.

For descriptive catalog write Dept. 49

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Powel Crosley, Jr., President

Owning and Operating WLW, first remote control super power broadcasting station in America.

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