Undergound Aerials—New Portable



JOAK, JOBK, and JOCK, the Japanese Broadcasters; "S-O-S," New Portal Numer, Bill Hay. Daily or Sun, 5-6 pm. Central Day.

Mlle. Aimee Presents CKAC, the French-English Station; Spring Set with part of the directory or

No. 8OFFICIAL 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:

(Announcer's Name)	Station(Call Letters)
Signed	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,
Address	
City	State

MAY TOPS STANDING IN GOLD CUP AWARD

BROKENSHIRE AND BARNES FOLLOW CLOSE BEHIND

Hired Hand Shows Fourth in Spite of Himself—Lillian Shaw Leads Canadian Field

Stand by for the shock, for we are about to divulge the first actual standing, with votes, of the 1926 Radio Digest Gold Cup Award. The warning is given primarily because your favorite announcer probably will not rate where you think he should. In that case, there is nothing to be done about it, except to save more votes and work hard to get your friends to save votes for your choice.

Remember that consecutive votes, sent in together, earn a bonus. The longer the series of consecutive numbers, the greater the bonus.

Earl E. May, owner and announcer of

KMA, Shenandoah, Ia., has sprung the big surprise and tops the list. Although Norman Brokenshire, of WJZ, New York, and Patrick Henry Barnes, of WHT, Chicago, are running close second and third, respectively to Mr. May, the large metropolitan listener populations of either of these two cities may require a lesson in teamwork before they can equal the support of the sparsely populated area, relatively, about Shenandoah, Ia.

H. H. Popular in Spite of Himself

Fourth in standing comes the Hired Hand, of the Forth Worth Star-Telegram station, WBAP. While his present vote is less than half that of either of his three leaders, indications and rumors point at the conclusion that this veteran of the microphone is to be feared.

The Hired Hand, strange to say, is polling his large vote in spite of himself. He has sent three "threatening" letters to the Gold Cup Award editor, demanding that his name be withdrawn, but the editor laughed at him, and told him that he would have to win the gold have to win the gold cup one year before

Attempting to dodge this ruling, the famous Hired Hand has gone on the air and denounced himself as a candidate to no avail. The votes keep rolling in.
Standing of Leaders

The standing of the twenty-five leading American announcers, as this issue went to press, follows:

o p. oob, zoxio o b.	
Earl E. May, KMA12,729	
Norman Brokenshire, WJZ10,916	3
Patrick Henry Barnes, WHT 10,083	3
The Hired Hand, WBAP 4,724	
Peter McArthur, WOC 3.058	8
Phillips Carlin, WEAF 2.883	1
Louis John Johnen, WLW 2,877	
Clyde R. Randall, WSMB 2,736	
Lester Palmer, WOAW 1,732	
Gayle Grubb, KFAB 1,708	
Robert W. Griffin, WHO 1,684	
Henry Field, KFNF 1,680	
Lambdin Kay, WSB 1,528	
Chester Gaylord, WTAG 1,481	
Wm. (Bill) Hay, WGN 1,468	
Jerry Sullivan, WQJ 1,278	
Harold Isbell, KYW 1,252	
G. C. Arnoux, WGY 1,245	
Paul Johnson, WCCO 1,167	
The Janitor, WFAA 1,019	
Jennings Pierce, KGO 962	
H. Dean Fitzer, WDAF 920	_
Sen Kaney, KYW	
N. Dean Cole, WHO 815	s

Silver Cup Canadian Standing It will be remembered that a large silver loving cup was proposed as prize for the most popular Canadian announcer in 1926. Last year such a cup was awarded to D. R. P. Coats, CKY's chief announcer. He has with from the 1926 contest and of his assistants, Miss anding follows:

.....1,529 480

silver loving cup which is a duplicate of the Canadian prize.

GUS EDWARDS STAR IS ON FRONT COVER

ROADWAYMEN and others will ROADWAYMEN and others will recognize Radio Digest's cover girl this week. They will remember seeing Doris Walker twinkling over the footlights in Gus Edwards' particular array of American beauties.

The program people in charge of the

official launching of the new Madison Square Garden Radio Station, WMSG, spent a great deal of time and exercised much care in combing the available talent in New York for that occasion. Gus Edwards was booked for a full hour, and when he offered Miss Doris Walker and Miss Ruth McDonald, "The Harmony Babies of Broadway," the whole affair was a huge success.

Despite the fact that the award is nearly half finished, nominations continue to be made. Eleven new names, bringing the total entries to 190, were added since last issue. The candidates newly named are:

E. J. Bowers, CFCA
Father Jamos F. Cronin,
WLWL
J. L. Fox, KFH
Edwin Kent, WHT
W. J. Kotera, WOAW
Don't fail to get the second June issue of

Radio Digest, out June 14, to see the revised American and Canadian standings of

CONTENTS

Radio Digest, Illustrated, Volume XVII, Number 6, published Chicago, Illinois, June 1, 1926. Published semi-monthly on the first and fifteenth of each month by Radio Digest Publishing Co. (Incorporated), 510 N. Dearborn Street, Chicago, Illinois. Subscription rates yearly, Three Dollar; Foreign Postage One Dollar additional; single copies Fifteen Cents. Entered as second class matter May 3, 1926, at the post office at Chicago, Illinois, under the Act of March 3, 1879. Title Reg. U. S. Patent Office and Dominion of Canada. Copyright 1926 by Radio Digest Publishing Co. All rights reserved.

"Science for Service" KOAC; How Oregon Agricultural College Is Educating a Radio Student Body of 80,000 Members
Listening to Tokyo Broadcasting Bureau; How Japan Does It with Her Three Principal Stations
M'selle Aimee Presents CKAC; An Interesting Account of an Interesting Station, La Presse Broadcaster, the French-English Voice of Montreal
"Big Rabbit"; Love Leads a Romantic Trail Through the Florida Jungles; Fourth Installment, by Hugh Fullerton
It's Time for Spring Cleaning; Tips Hot Off the Bat for the Beginner; Part II, by the Technical Editor
S-O-S: New Portable Super; Automobile, Canoe, Motorboat, Beach or Camp Are Home to This Little Super-Heterodyne, Easy to Build, by Milo Gurney
Old Man Static's Funeral; Part III of a Discussion of Buried Antenna Experiments, by Milo Gurney
Editorials; Indi-Gest; Condensed by Dielectric
Radio Club Notes
An Evening at Home with the Listener In; a Chart in Central Time Showing When to Listen for Stations
Women's Page; Women's Programs Index
Advance Programs for the Larger Stations, June 1-14
Directory of Radiophone Broadcasting Stations; Part III (Revised)

Looking Ahead

Among the Paradoxes of City Nomenclature Occurs the Word, "New." Our oldest cities are "New." New Orleans is no exception. Out of its quaint and picturcities are "New." New Orleans is no exception. Out of its quaint and picturesque characteristics and manners has arisen the broadcasting station, WSMB. You'll read about it in the next Radio Digest, out June 14.

"True Story of the First Municipal Broadcasting Station in the World" and the second licensed station in the United States—Station WRR, owned and operated by the City of Dallas—as told by W. J. Reid, secretary of the city Radio commission, will also be in the mid-June Radio Digest

the Mississippi Valley There Is a Tendency to Linger Over the Dials when they are set at 273 meters for the St. Louis Star station, WIL. There is something novel in the way the "Little Old Professor" at the station handles the programs. Tune in the mid-June Radio Digest for particulars, out on June 14.

Hugh Fullerton's Great Story, "Big Rabbit," Will Arrive at It's Thrilling Climax in the second June number of Radio Digest. An introductory review of the preceding chapters will make it possible for the reader to understand this story of the Florida jungle.

Nashville, Tenn., Is Famous for-Well, Mr. B. L. Lowe, for illustration, who constructed his underground antenna out of a ten-gallon crock and receives 37 stations without old man static getting a look in. The next issue, out June 14, will contain this most interesting article on buried antennas.

Radio Digest's S-O-S Portable Made a Killing. The second and last article will cover the complete wiring, testing and operation. Build this if a simple, practical "Super" strikes your fancy.

Newsstands Don't Always Have One Left

WHEN YOU WANT

YOU WANT IT!

BE SURE OF YOUR REGULAR COPY BY SUBSCRIBING NOW

SEND IN THE BLANK TODAY

	Publisher Radio Digest, 510 N. Dearborn St., Chicago, Illinois.
	Please find enclosed check M. O. for Three Dollars (Four, Foreign) for One Year's Subscription to Radio Digest, Illustrated.
i	Name
	Address
	City State

SHORT WAVES

By Marcella

Gladyce, our best "asker", wants to know if Jack Smith, Victor record artist, and Jack Little are one and the same. I frankly don't know, but have written the Victor company. While waiting for a reply, I'll just broadcast this query to anyone who may know. Anybody have the information?

Now back to Gladyce who asks to have the low-down on the Mona Motor Oil The banjo-mandolinist and his singing partner are, in my estimation, two of the best-looking males who ever peered into a microphone. Both of that brunette, Jack Pickford type. Look on page eleven of our April 10 effort and you'll see them. Don't believe that either are married, and would hate to be disillusioned. Both are young—about 24 years apiece. Nationality, American; favorite dish, pie. They started at KOIL, their home station, which is owned by the Mona Motor Oil company of Council Bluffs, Ia. Then Mr. "Mona" decided they were too good to be kept from the world, so he started them on a tour of all the stations. The good-looking twins are now doing the Pacific coast.

Here, you sisters of the Underwood,

read this excerpt from Gladyce's letter and let's have a good cry. "Note the absence of the typewriter? I am sitting here with my back to it and every once in awhile I turn around and GLARE at it. Honestly, I get so tired of typing, that I have to rest from it occasionally. I know you can sympathize with me, as I suppose you have to write your 'copy' on one." Yes, "Glad," I do.

Gerald Deering, ex-WMC announcer, left that position to work for the Tennessee State Marketing bureau. He is clean-cut, and slender, but short. I wouldn't call him handsome, but he has very polite ways and that make his medium features really seem handsome. This in answer to Dimples. As for his martial state, Dimples, you had best write to "Miss Kitty" Nelson at WMC, who can give you the last minute data.

Mary, Judith and Jeanette, you are just six months late on the trail of John T. Schilling, blond WHB announcer, for he was married last fall. Yes, it was a true Radio romance—he met her in the Sweeney school studio. Description of him: height 5 feet 10 inches: weight 165 him: height, 5 feet 10 inches; weight, 165 pounds and no contours; hair, blond and a lot left; age, 29 summers and winters; eyes, blue and happy; degree of pulchrieyes, blue and happy; degree of pulcarri-tude, looks well in a dress suit but feels terrible; likes, musical instruments in tune, good cigars, l. w. and b. (well may-be); personality, positive-ly winning, ac-cording to the way his wife coyly looks at him; dislikes, artistic temperaments.

Now Mr. J. F. S., since you got "all thrilled" over Miss Eva Sharrard's picture on the front cover of the April 3 issue of Radio Digest, here are all the important facts and figures. Yes, she's just as pretty as her picture. This talented pianist of Port Huron, Mich., who gives many pleasant hours to WAFD listeners is but 19 years old. She is of medium height and weighs just 98 pounds. She height and weighs just 98 pounds. She has small features, a medium dark complexion, sparkling brown eyes and dark brown hair which is cut very short. If you like brunette types, you will certainly "fall" for her winsome smile.

Eddie Ellingson is one of the "Harmony Boys" at KFAB, Nebraska Buick station at Lincoln. Gloomy Gus is the other very popular member of the team. Eddie has one of the sweetest voices on the air and can make you cry with classical as well as popular numbers.

No, C. M. B., Lee Sims hasn't left KYW for good. He is on the road under contract to appear at various theaters for the next few months. He is with Bobbie Brown, Gail Bandell, the Harmony Girls, and Charlie Schultz. The troupe is booked as the "KYW Gloom Chasers." They all will return to KYW after the tour.

Yes, Nate Caldwell, former "Joy Digger," announcer for WBBM and later KMOX, has returned to WBBM, the Stewart-Warner Air theater. He can't stay away from Chicago, you know, because a late his best will friends live. cause all of his best girl friends live

Phil Friedlander is in hiding, I guess, since he tangled with Chicago's state's attorney, Mr. Crowe. At least he isn't on the air. Harry Geise withdrew his membership from the Alimony club, but he is not permanently connected with any station at this time.

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

URGE SET MAKERS HELP STATIONS

SENATE REPORTS ON **COMPOSITE AIR BILL**

STILL POSSIBILITY THAT RADIO WILL HAVE LAW

Senators Favor Commission—Combine White, Dill and Borah Bills-Little Time Left

WASHINGTON, D. C.—Indications are at the time this report is written that if the present session of congress is to enact Radio legislation it will be in the nature of a new Radio commission which will take the jurisdiction of Radio out of the hands of the department of commerce where it has been lodged ever since there was any law and place it entirely in the hands of a commission.

Both President Coolidge and Secretary of Commerce Hoover have stated publicly that they were opposed to a Radio commission, but in spite of these protests senate leaders are going ahead, and in this connection the senate committee on interstate commerce has reported to the upper house the White bill severely amended. That bill now provides for a commission of five members at a salary of \$12,000 a year, and is a composite of the White Radio bill which passed the house, the so-called Dill bill, and the Borah bill.

The bill as reported carries many added features to the Radio hills which have so far been discussed by congress and is in-

KFWB STAFF RANKS HIGH IN POPULARITY

HOLLYWOOD, Calif. — Station KFWB, the movie broadcaster, almost made a clean sweep of a contest sponsored by a Los Angeles newspaper when Charlie Wellman, KFWB's popular announcer, recently won first prize as most popular announcer heard from the dozen odd Los Angeles and Hollywood stations, while Mable Leonard, pianist and studio accompanist for KFWB, took first prize as most popular Radio entertainer.

STRESS NEED FOR ADEQUATE 24-HOUR BROADCAST SERVICE

Radio Manufacturers Active at Convention—Look Forward to Formation of Used Set Marts -Elect A. T. Haugh, President

ALTANTIC CITY, N. J.-More than

200 leading Radio manufacturers together

with representatives of broadcasting sta-

THREE FAIR STARS OF MICROPHONE

tions, Radio publishers, government bureaus and others recently gathered in the Ambassador hotel here, for the sec-ond annual convention of the Radio Manufacturers association.
"The greatest need in the Radio industry "The greatest need in the Radio industry today is the cooperation of the entire industry in the creation of a nation-wide effort which will furnish twenty-four hours of broadcasting service of interest to every individual in the country," said Herbert H. Frost, of Chicago, retiring president of the association, in opening the convention convention.

Hoover Sends Message A letter of welcome from Herbert Hoover, secretary of commerce, was read. Mr. Hoover noted that he thought that the association could profitably engage in an economic inquiry into the trade with a

When little Helen Rauh, center, plays the piano at WHT, Chicago, everyone tunes in for the program. Left is Ruth Bramberg, violin student at the Oregon Agricultural college who plays over KOAC. Right, Anastasia Rabinoff, dramatic soprano who is well liked at KYW, Westinghouse station at Chicago.

tended to take care of the entire Radio situation for a period of years, leaving considerable to the discretion of the com

Indications are, at the time of this writing, that if the senate can be made to take up the bill, that it will be passed without much opposition. The trouble will be to get the bill before the senate during the closing hours of this congress, which already are well occupied.

Radio Brings Auto Tourist To Bedside of Dying Wife

SAN FRANCISCO.—Station KPO here recently proved the means of bringing Allen Straight, traveling by automobile through Southern California, to the bedwhen Mrs. Straight suffered a stroke of paralysis, relatives were unable to reach telescope is controlled by tickets which are husband and appealed to KPO. her husband and appealed to KPO.

CKY Starts Second Annual

Series of Astronomy Talks
WINNIPEG, Man.—CKY here has recently commenced broadcasting its second annual series of lectures on the stars. The talks are illustrated by means of a simple

system devised by D. R. P. Coats, which he has named "Stellagrafs."

Arrangements have been made with a local astronomer, A. W. Meggett, for the erection of a 3½-inch telescope on the roof of CKY on certain nights during the sum-mer, when listeners are invited to come and see for themselves some of the wonders which they have heard described in the talks. Admission to view through the

view to determining whether some substantial changes should not be made in the method of distribution, which today imposes unnecessarily large distribution costs upon the consumer and at the same time increases the risks and production costs of the manufacturer.

That broadcasting is the life blood of the Radio industry was emphasized repeatedly by President Frost in his opening address to the industry. He urged the manufacturers to become very active in the support of adequate broadcast service.

Sees Coming of Used Set Marts

The establishment of used Radio set exchange marts will likely come in every city in the United States before long, in the opinion of Carl Boyd, who was elected first vice-president of the association.

Just as the handling of used automobiles and the reselling of cars that are traded in by purchasers of new cars is an important part of the automobile industry, so the sale of used Radio sets will become an important part of Radio sales, Mr. Boyd de-

"More than seven million Radio sets have been sold in the United States since the listening pastime became a business, and approximately flucture on of them are in condition that day," Mr. Boya - MER MAKELS

"Science for Service" KOAC

OREGON Agricultural College Has Radio Listener Student Body of 80,000. Broadcasts Its Campus Courses Throughout State and Beyond. Faculty Members Deliver 450 Air Lectures in Year.

By Albert J. Woods

RECENT newspaper cartoon pictured Radio Broad-casting as a mighty Pegasus—a winged horse—hovering over the pigmy figure of a government official with a bridle in his hand.

Perhaps Radio is wild, untamed; cavorting here and there through the heavens with a song in its wings, a commercial kick in its heels and a wilful sort of freedom that should be brought under the control of man-made order and system.

But in Oregon it has been harnessed to a school that, through its aid, is scattering knowledge and wisdom to the largest student body, possibly, in the world.

Oregon, rich in scenic grandeur, natural resources and a perennial temperate climate, has a state college that maintains an aggregate class attendance of 80,000. The campus is shown on this page. Of course, it is not intended to infer that the 80,000 are assembled here physically, but it is assumed very positively that they are massed here regularly in mind, spirit and ear-power for they are the Radio-listening student body of the Oregon Agricultural College at Corvallis.

Agricultural College at Corvallis.

"Science for Service," is the slogan of this worthy institution. Here they have harnessed Radio broadcasting to higher knowledge and

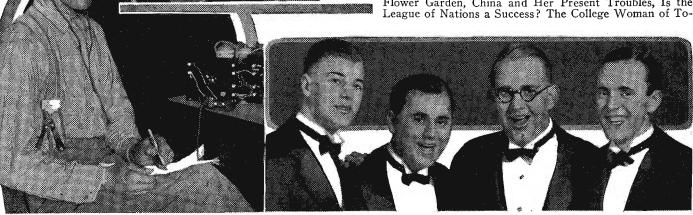
ing to higher knowledge and in a manner of system and order are making culture and understanding available to all, under all circumstances of living. Skilled educators have arranged progressive lectures in connection with their regular courses on the campus so that teachers, farmers, farmers' wives and their children, city dwellers, foresters, stockmen, engineers and others may participate in these studies as a relaxation from the day's routine and reap the benefits of the latest teachings of science. This latest great discovery of science is, therefore, utilized for service, enactly in accord with the motto of the school.

During the current college year, October 2, 1925 to June 30, 1926, Radio Station KOAC will have broadcast approximately 450 lectures furnished by eight of the nine major schools of the college, as follows: Agriculture, Basic Arts and Sciences, Commerce, Engineering and Mechanic Arts, Forestry, Home Economics, Mines and Vocational Education.

Suppose you were unaware of all this and should tune in KOAC on a Monday. At noon, between 12 and 1 o'clock you would tap the O. A. C. Lunch Box, containing an assortment of ten minute morsels very satisfying to one with an intellectual appetite. In the evening you would sit with certain text books, note paper and pencil and follow lectures that parallel the resident instruction in the campus class rooms. On this certain day it would likely be under one of these subjects: Agricultural Engineering, Animal Husbandry, Dairying, Beekeeping, Farm Crops, Farm Management, Horticulture or Poultry. There are 130 lectures on these subjects presented by forty-three different faculty members.

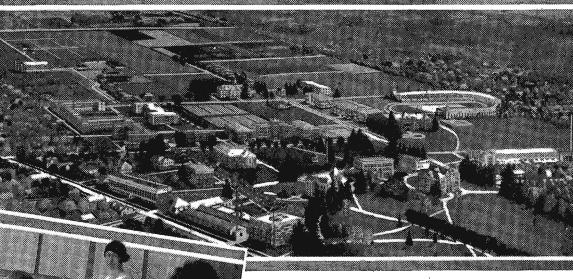
Oregon Agricultural College works in close cooperation with the United States department of agriculture and on this night would be broadcast information of a general and also specific nature prepared by Mr. Sam Pickard, chief of the Radio department in the government bureau. Child welfare is a matter of study at O. A. C. and there are weekly broadcasts to the boys and girls clubs by H. C. Seymour, state club leader. On Mondays and Fridays a special committee broadcasts the latest market conditions, of particular interest to cattle and horse raisers.

Wednesday and Thursday afternoons are set aside for the Homemakers' programs. This is not a hodge podge of come what may. Every member of the faculty may present one of these subjects: Seasonal Suggestions for the Flower Garden, China and Her Present Troubles, Is the





Top, Mrs.
Jeanette
Boyer Kanten, soprano,
voice instructor. Below, typical
Oregon
farmer student taking
KOAC notes—the Glee
Club quartet, above
the O.A. C.
campus. W.
L. Kadderly,
director
KOAC, in
circle.



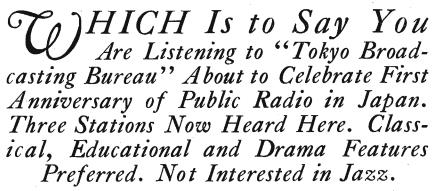
day, Eugenics and Social Welfare or Rambles with Nature. Another day they may hear something about, Child Care and Training, Household Management, Home Planning and Decoration, Millinery and Clothing, Meal Planning, The Ideal Diet and Food Preservation.

This branch has been under supervision of Mrs. Jessie D. McComb, state leader of home economics instruction for the college extension service. The program includes seventy-eight lectures by twenty-eight different faculty members and has been worked out as the result of a state-wide survey of actual home workers' requirements.

All work and no play would make a college broadcasting station a rather fearsome thing for those who enjoy college sports and society. So KOAC does not neglect this phase of its service. College effervescence finds its vent through special programs by the glee club, cadet (Continued on page 14)

Sell your property quickly
atter where located, partid welfare are
atter where located, partid study of
l Estate Salesman, 509 Browd study of
Nebraska.

Listening to 東京放送局



By MARSHAL TAYLOR

IGH on the historic old hill of Atagoyama, outside the gates of Tokyo, an important event is planned for next month. Flags will fly, long lines of visitors will parade, gay Oriental music will thrill the air. Radio Station JOAK will celebrate its first birthday. Broadcasting is young in Japan, but it is growing fast. Tokyo has its thousand watt station, JOAK; Osaka an equally powerful station, JOBK, and Nagoya has JOCK. All three of these stations have been heard by many DX fans in the United States. JOAK not only has reached the California coast cities, a distance of 5,000 miles, but has penetrated to the very center of the North American continent with reception reports coming from Chicago and Ohio.

After four months of experimental broadcasting JOAK moved into its big, new station on Atogoyama hill last July. A letter from M. Oyama of JOAK to Donald Wright at Terminal Island, California, states that there are now 180,000 listeners in Japan with the list growing during the last few months at the rate of 600 new ones each day.

Japanese listeners like their sets ready to perform. They get no kick out of "hay wire" hook-ups. Radio apparatus manufacture has not been extensively developed as it generally is conceded that the Americans have the best inventions which are, of course, protected in Japan. The more wealthy families have the best standard sets. Those in moderate circumstances are satisfied with crystal sets or those of the more simple construction.

Mr. Oyama states that work is under way to build a superpower station of 10,000 watts for JOAK in order that "crystal set owners for 100 miles distant may be able to hear and enjoy the programs." The government engineers already have relayed between the three leading stations and it is expected that soon they will be able to exchange programs with each other.

tax of one yen a month and a government tax of one yen a year.
"Nighthawks," "Hoot Owls," and "Coo Coo" clubs are still unknown in Japan. The stations all sign off at ten o'clock, but they begin at 9 in the morning. They take their Radio more seriously than

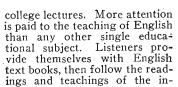
The operating stations are called "bureaus." Set owners pay a bureau

Educational subjects are most in demand. There also is a general interest in stock and exchange quotations. News bulletins are frequently flashed over the air during the day. In the afternoon there is apt to be an opera between university or



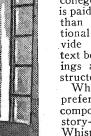
Madame Akiko Midorikawa (above), first woman announcer in Japan, at JOAK. Miss Kurishima (below) is her assistant at microphone. At left are JOAK Players presenting Japanese drama, "Paper Doll Whispering of the Coming of Spring." Radio dramas are popular with Nipponese listeners.

Japanese school girl (left) with typical Japanese made receiving set in which simplicity of operation is the chief goal of manufacturers. Below is home of one of the wealthier families with American made set.



structor who conducts his class in the silence of the broadcasting studio. When it comes to mere entertainment the Japanese listeners seem to prefer Radio plays, mystery drama and romance. They enjoy allegorical compositions, and the children, especially, are enraptured with such Japanese story-plays as "Kaminingyo Haru-no-Sasayaki," which means, "Paper Doll Whispering of the Coming Spring." With ear phones pressed close to their little dark heads they sit entranced when such artists as Miss Shizuko Myabe or Miss Umemura Yoko softly converse into the microphone the prophesy of the little buds that shake out their silken skirts to clothe the naked cherry trees with glorious blossoms. And they believe that the actresses are indeed paper dolls who have come to life high in the fleecy clouds and that the Radio, like a butterfly net, has caught their voices for the children to hear.

American jazz finds no responsive chord in the breast of the Japanese. It is looked upon as a sort of weird musical insanity. But the Japanese are a courteous people, and, inasmuch as there are market who enjoy the hot, syncopated dance musical insanity. OHIO to jazz number as an act of courtesy.



M'selle Aimee Presents CKAC

La Presse of Montreal Broadcasts in French and English. Quebec Called "Little France of America." Damoiselle Thinks Announcer Jacques Cartier "Magnifique."

From beneath her jacket she drew a large, gray envelope. "Pardon," she smiled, "I speak English not even fair but I hope you forgive and write nice story for my dear La Presse Radio, Posst Say-Kay-Ah-Say, Moan-ray-al; as the English say, 'CKAC, La Presse, Montreal.' I have here some photographeries of ze arteests an' mon yer' good free, Monsieur Cartier." arteests an' mon ver' good fren' Monsieur Cartier."

"'Car-shay?' Do you mean Jacques Cartier?"

"Oui, the same, monsieur.

You know Monsieur Cartier?"

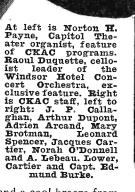
"Never had the pleasure of meeting him personally but I hear a lot about him."

'Ooo-la-la! He is ze great announcaire, wif ze grand maniere, so virile, so homme d' esprit. The people of Quebecall Canada—I—we, we—I know not how to say eet—faire de etat, Monsieur Cartier—" Jacques Cartier, the explorer, who first sail the boat into Canada and plant the French flag at Montreal for France. His uncle was Sir George

Cartier, the first prime minister of Canada.

"My papa he tell me ze story long time ago when I was a—a—jeune fille. We live north, long ways in the snow. My papa catch the fox, the otter, the bear. So many, many people live in the woods and alone and now they have the Radio. Oh, if you could un'erstan' how, how marvielle, wonnerful the CKAC Radio is for our people in Quebec-no other Radio speak ze French and that is all the most of our people un'erstan' and the CKAC it come four year ago when only twenty-five homes have receiving Radio. Now everybody

have.
"La Presse, which is the bigges' newspaper in Canada, she give the great band concerts for towns." all around and the people (Continued on page 14)



E HAD a very entrancing visitor some weeks ago when it was still quite cold and I have

saved her for you until these warm days because I think she will bring you a whiff of the pines and a cool breeze from that romantic land of Cartier, Quebec and the Canadian

By H. P. BROWN

Dave ushered her in. Dave is seventeen and all the world is fair and young to him. He was a little pale as he preceded her and I did not wonder.

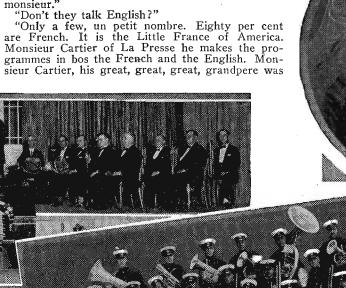
"Memshell Aimee Baudouin of Montreal," he whispered. "Gee, she's a cute little Frenchy."

I stood up as she entered. She was like a bird as she

flitted into the room. Her fur-topped kid boots, laced half way to her knees; her white, fox-trimmed jacket and snowy tam with its tuft of silky fur proclaimed her

"You have not been long on this side of the Atlantic?" I changed the subject deliberately. Her soft, brown eyes were filling with tears as she struggled to express herself adequately.

"All my life I haf lived in ze Province of Quebec, monsieur."



Above is the Capitol Theater Symphony Orchestry, said to be one of the finest musical organizations in the Dominion. Its classical selections have won man friends from this music loving community.

the very spirit and soul of the great Northland snows. "Parle vous Francais, oui?" she chirped. Everybody knows that much French, especially since the war. So I answered:

"Not enough to carry on any animated conversation, Ma'm'zelle Baudouin. Je parle Anglaise only foire."

"Ah, eet is to be regret but I am not much surprise," tiny

dimples darkened the natural tint of ripe winter-green berries that glowed on her cheeks.

rezled, placed a chair beside my desk. the edge of it, and I sat down. Dave 1 'ok over his shoulder.

To encourage the purchase of receiving sets in Quebec, La Presse-CKAC conducted a band tourna-ment for surrounding towns. Above is one of the winning bands.

BIG RABBIT & By Hugh

ORE SPEED, man. It's up to you, now. Give her the limit." Big Dick Borton, the best pal a man ever had, stood over me as I urged more power into the little engine that was carrying us so swiftly through the

The thought that it was "up to me" sent my heart with a throbbing ache against my ribs. Somewhere in the depths of the Florida wilderness was my Roberta. Suppose we should be too late—what would happen?

It seemed like ages since I had received that note, hurriedly written, that she was being taken away from the Atlanta home of her guardian, Major Gaskill. We had been warned. The hard visaged little banker had told me that something was wrong; that the that something was wrong; that the major had been speculating, first with his own funds, then with the girl's and finally the bank had become involved. Roberta had told me herself she feared kidnaping but she dared not protest for fear of the scandal.

Dick and I had managed to leap aboard the private car on which she had been taken by the mysterious negro giant, Trimble. She had been accompanied by her maid and then we found evidence that the major, himself, was one of the party. Before we could protect ourselves we had been attacked and overcome by Trimble and dumped out, as the train sped onward, at the edge of Jacksonville of Jacksonville,

It was hours before we were in condition fit to resume the trail. Then we heard talk of the "Big Rabbit." It seemed a powerful, yet intangible, voodoo that had terrorized the negroes. We found Roberta had been whisked aboard a strange craft which departed inland, off the channel route. Dick took one boat and I chartered the Jason with the understanding that we were to meet at a certain point.

Dick had come and gone when I reached the objective. I waited frantically for word from him until Dan-York, a detective I had known in New York, arrived on the scene. He was looking for timber thieves. Borton re-turned all but exhausted after swimming and tramping through swamps and bogs until he had found the rendezvous, the lair of the Big Rabbit. He had obtained disguises for himself. Dan and I were blackened to pass for negroes as we now raced to the rescue in this desolate jungle.

CHAPTER VIII

The Race Through the Swamp

USH her! Drive her to the limit!" Borton kept repeating. Borton kept repeating. The Jason was behaving beautifully and, tuned to perfection, she was slicing the water at the best speed I could coax out of her without risking overheating the motor. She was doing almost forty miles an hour and not a knock or rattle marred the purr of the engine. Again and again

purr of the engine. Again and again Borton turned to me in nervous impatience, begging for greater speed.

"At this gait we'll make it in less than two hours," I growled as I nursed the engine and listened carefully to the steady hum of the motor. The Jason was covering herself with glory.

"Get everything you can out of her while we are on the St. Johns," Borton remarked, fretting, "I'm going to crawl down into the bottom and try to get a nap. We can't make any real speed after we turn into the Ocklawaha and it will commence to get dark in there will commence to get dark in there shortly after six o'clock. The moon will not help any until after eight o'clock and if we are that late we may lose. Drive her."

He spoke with savage earnestness, and his face was drawn into lines by anxiety

and weariness.
"Why?" I demanded, still hanging over

the engine.

The negroes are ordered to meet at o'clock tonight," he exclaimed. "Evidently they are meeting for something important, connected with Major Gaskill. If we are late, or miss the meeting place the Lord only knows what will happen. An hour may mean everything."

His manner and words increased my uneasiness, which had been relieved by the physical exercise of operating the boat. Above the steady explosions of the engine I fired question after question at Borton but he either did not under-

stand or was too weary to attempt to reply and, coiling his big frame in the bottom of the boat, his legs under a seat, he cuddled up with his head resting on a piece of his odd baggage and snored.

ET him sleep," Danforth advised, "We'll wake him when we get well into the Ocklawaha. You run the engine and I'll steer. I know the river.' Crawling over the baggage he took the wheel and commenced cutting corners to save every possible foot of distance.

It was a strange ride as the boat flashed through the silence of the narrowing St. Johns. The physical and nervous strain was beginning to tell upon us. Formula Default on the strain was beginning to tell upon us. on us. Forward, Danforth sat humped over the steering wheel peering steadily ahead, the stump of a cigar clenched tightly in his teeth. There was little chance for talk. Occasionally Danforth called back to me as I hovered over the engine, listening, coaxing, watching the

gasoline supply.

Danforth was taking all the short cuts, clipping quarter and even half miles off the distance where the course lights marked a wide sweep in the channel. Once he swerved like a flash to avoid a log floating just under the surface. Half a dozen times he slipped over bars where the water seemed scarcely deep enough for us to pass and where the boat stirred up the sediment on the bottom in its rapid passage.

The river banks were pressing more closely together. Clearings and orange groves showed on one side. On the other clearings had ceased entirely, and the bank of the river was marked with a blackening solid growth of oak and cypress with tall pines rising behind them. The trees were covered with a heavier growth of Spanish moss, and the under jungle was a matted tangle of smaller growths. The green of new sprouted eaves of the water oak showed livid where the yellow jasmine, creeping upward through the matted masses of moss, burst into a shower of beauty that cascaded down almost from the crests of the trees.

We were reaching the deeper swamp land. Clearings ceased at both sides. With a quick nod of his head Danforth ordered a slower rate of speed. A sudden turn, a rush seemingly straight at the bank of the river and the boat, flashing into a narrow lane of water, dived, as it seemed, into the heart of the swampy jungle. Before us a narrow, tortuous lane of water opened, winding between solid walls of dank growths rising, it seemed, out of the water itself. With a second jerk the Jason lost herself in the water wilderness and was twist-ing her way through the narrow aisle of

T WAS late afternoon. The sun still was shining warm and bright, but as we dived into the depths of that Stygian river of the jungle, it seemed as if night were falling. In that forest arcade of water lay a ghostly twilight. In the tree tops far above us we could see the glint of sunlight and occasionally a golden bar, prying its way through some crevasse, splotched the surface of the water like a flame across a river of

"We've got to push her," Danforth called, gripping his teeth grimly into the remains of his cigar. "Drive her hard. It is getting darker in here more quickly than I expected. Watch the lighter spots and race through them. We must make speed while I can see to dodge stumps and turn the corners. It'll be worse soon."

I slowly increased the speed, but a few moments later the motor commenced to miss fire, and, after spluttering along spasmodically for half a mile while I strove vainly to locate the source of the trouble, it stopped entirely and floated helpless in the sombre blackness of the

A huge water moccasin, disturbed, dropped like a plummet from a cypress limb into the water. An alligator slid with a soft splash from the side of a hummock and sank slowly, leaving only the tip of its snout above the surface. In the tree tops a wondrous choir of birds sang the evening hymn of the Land of Flowers. Gay parrots and other birds of brilliant plumage moved across the upper parts of the trees, flashes as of flame showing the flitting of the Cardinals.

The silence, punctuated only by the notes of birds, exaggerated the noises and the whispering voices of the creeping, crawling things of the jungle.

HAD no eye for beauty nor ear for the music of the forest, but sweated and swore while wrestling with that

and swore while wrestling with that infernal engine, every precious instant bringing the denser darkness nearer.

"Take it easy," said Danforth quietly.

"Look it over instead of killing yourself whirling that wheel."

His advise was sound. I stopped physical effort and, within five minutes, located a clogged feed pipe that had crippled the carburetor—a small thing, remedied in a moment with a bit of wire. I was swearing at my own denseness and whirling the wheel when Borton awoke suddenly.

"Five minutes to six," he said sharply

"Five minutes to six," he said sharply as he looked at his watch and glanced outboard, "How long have we been stopped?"

"Twenty minutes, engine broke down,"
I reported, just as the engine exploded
twice and settled into a steady throb as
the boat leaped forward. The noise of the boat leaped forward. The noise of the exhause made conversation, save in loud tone, impossible, but Danforth, from his post at the wheel, called back:

"Is the place we're going to this side or beyond the place where the sight seeing boats tie up for the night?"

"Several miles this side," Borton called back. "I'm not certain just how far."

"We have a chance to reach it in time then," Danforth said grimly. "Cut loose that engine and I'll try to take her through.'

through."

"We've got more than half an hour of this kind of light," I yelled, "If the trees don't get any thicker."

"Al right—speed her up," said Danforth, chewing his cigar and talking back over his shoulder. "If we land on a stump or log, swim for the east bank. Give me speed; I'll take her through."

Never before and probably peaver again.

Give me speed; I'll take her through."

Never before and probably never again will that black lane of water, winding through the heart of the tangled swamp, see such a display of speed and reckless daring. Twisting, turning, sometimes swerving aside so suddenly in avoiding a crash into trees or logs that the boat skidded on one side and water flew like a screen over the rail, we dashed through that ever darkening inferno of semi-tropical growths. We flashed past a row boat, proceeding leisurely up the river and the two negroes, paddling with their faces toward the bow after the their faces toward the bow after the custom of the natives, turned toward us with surprise, and one, evidently accepting us as colored, waved a greeting.

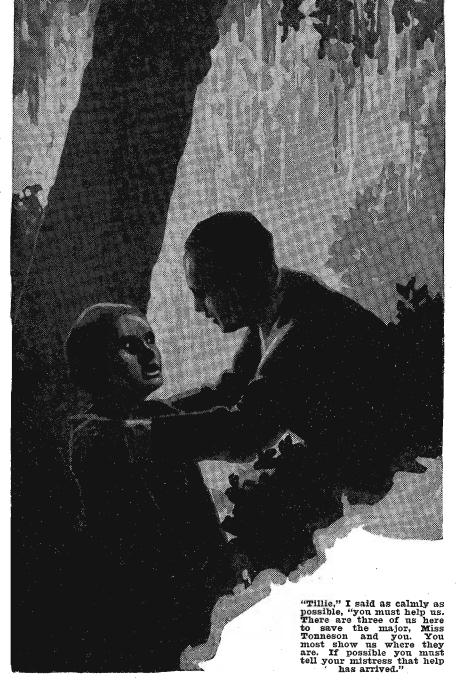
ORTON, as we passed them, lowered his face that they might not see he was white, then did a strange thing. He rubbed his hands in the oil in the boat bottom, near the engine, blackened them and with the black hands made some sign in the air. One of the negroes rested his oars raised his of the negroes rested his oars. hands, made motions as if pawing the shook his head sideways air—and vigorously.

"They're not going," Borton yelled over the drumming of the motor. "I hoped they were and that we were getting near. Probably can't row there in time. Push her."

"She's doing close to thirty-five miles now," I yelled in reply.

"We'll make it—if we don't hit some-thing," Danforth called ba

Light still illumente use a define tweethead a dying twiligh already v so Grave





reversing so quickly it seemed we must be swamped if not wrecked.

No one was speaking now. I nursed the engine, oiling, and in nervous desire to do something, testing screws and wires. It was well—for once a screw, jarred loose by the heavy vibration of the boat, released one of the battery wires and before I could restore the wires, and before I could restore the connection we lost speed, and sharp curses flashed at me from both the others. Once we struck a glancing blow, others. Once we struck a glancing blow, reeled crazily, scraped heavily along one side of the boat and shipped water. Danforth, was partly torn from the steering wheel, lost control for an instant, the boat careened wildly, tore through the overhanging branches of a tree, righted and fled onward.

OR more than ten miles we raced Por more than ten miles we raceu recklessly through the depths of the swamp, scarcely slacking speed. Every instant we expected the frail craft would dash against a tree or a floating log and that we would be hurled into the inky water, or shattered by the impact. Not a bit of solid land could be seen, the trees rising from the water, save where hummocks had formed around the aerial roots of huge cypress

"Better turn on the headlight," I called.

"We don't dare," Borton cried back tickly. "We're getting close." quickly.

In one of the minutes in which I dared raise my eyes from the engine and bearings I observed Borton had crept forward and was leaning over the rail studying the east side of the river carefully, as if seeking some mark he knew. He struck a match, cautiously screening it low in the boat and looked at his watch.

"It's six minutes of seven," he called.

"Drive her—just a little further."
The light had failed and it was dark, almost as midnight, excepting where occasionally a luminous land broke the blackness as the dying afterglow shone through a semi-submerged forest, without guide, without knowledge of the channel, depending only upon the sharp eyes of the little detective for safety from an accident which might mean destruction.

Borton suddenly threw up a hand with a sharp command to slacken speed. instant later I breathed a sigh of relief as the engine, throttled down, changed its tune and the speed of the vessel slowly lessened.

"We are almost there," Borton said in lower tones. "We just passed the cypress hummock where I hid before taking to the river. Run slowly and

ake as little noise as possible."
I obeyed thankfully and in silence. Borton crayled forward again, and croud again, and crowd over Danforth's ing the line of

hu gafely can

noise as possible I leaned far over the side and draped a heavy wet cloth over the exhaust, deadening the sound of the explosions. The side of the boat was scraping under the overhanging branches of trees. Moss laden ends of branches whipped our faces and forced us to crouch low in the boat.

"Shut off the engine," Borton called in a hoarse whisper.

For five minutes we propelled the boat noiselessly along the bank by catching the branches of trees and pulling her along as Borton peered anxiously under the trees the trees.

"All right," he said in a low tone. "All right," he said in a low tone.
"Pull her in alongside that hummock
just ahead. There is on opening on
this side of it. Slide right up alongside
the log. We can climb over it into a
path and the boat will lie hidden."
Noiselessly we obeyed orders and
dragged the Jason between the tree
clumps and alongside the prostrate
trunk of a huge pine, half buried in mud
and water. In its fall the pine had torn

and water. In its fall the pine had torn up a huge pile of mucky earth in which plants and grass had rooted, forming a soggy little island. We tied the boat fast, her nose to a Judas tree, covered with masses of pink blossoms. A huge clump of needley like Spanish bayonet formed a screen which hid the boat entirely.

"Help me with this stuff," Borton whispered cautiously. "The path is right over there beyond the hummock, back of those Spanish bayonets. Mark the spot well so you'll know it when we

come back. Remember the way."

We were lifting the packages from the boat and Borton led the way. Behind the huge clump of Spanish bayonet we stopped while he went on a few yards, glanced around and returning announced the road was clear.

"Listen, fellows," he said, "whichever one of us manages to reach the girl must make a break for the boat. Whoever reaches it with her must make a get-away without waiting for the others unless they are coming. I don't know just what we are running into but we must get the girl. Don't hesitate to shoot her rather than have the negroes retake her.

"Come on, let's hurry," he added arply. "We want to be on the ground sharply. as soon as possible. It can't be far from here, for I hear them."

E CLAMBERED over a log, through oozy mud and up an incline to where the footing was firmer, and came upon a well trodden path leading away from the river.

Borton led the way rapidly along the path. I was burning with excitement, curiosity and there was sort of a dry feeling in my throat and a burning fear for the girl I loved. There was no chance to ask questions as I brought up the rear of the procession.

Danford, his cigar stub still clenched

between his teeth, trotted steadily in front of me. I could not help envying the coolness of the man. He tightened his belt and with a big package of Borton's reset. ton's mysterious disguise held under one arm, he jogged along through the darkness, perhaps to death, as coolly as if strolling up Broadway. I was ham-pered with an unwieldy package which, while not wicking while not weighing much, handicapped my movements.

For perhaps half a mile the strange procession wound in single file along the narrow path. Ahead a sound like far away voices increased in volume yet we saw no one. A glow, as of fire, shone from somewhere ahead. Borton slowed down, moved forward again cautiously and finally stopped in a small opening where the path on which we had been traveling met another.

"Here is where we part, fellows," he said briefly. "I do not know what we are going against except that there are hundreds of negroes going to meet at a place less than a mile ahead. I want you fellows to light your pine torches, go right on and mingle with the crowd as quickly as possible. Join right in and don't talk to anyone. No one will recognize you or notice you unless you betray yourselves. One thing is certain betray yourselves. One thing is certain you will see more negroes than you ever have seen together in your lives.
"I am certain Miss Tonneson and her

uncle are prisoners by order of Trimble. What he intends to do I don't know. He has sent out orders for all the Sons of the Big Rabbit to meet and every negro in this section of Florida who can get here will be present."

"What are we going to do? What are you going to do?" I asked.

AN'T tell," Borton said briefly. "I am going to try to run the whole show and to beat Trimble at his own game. If I am discovered—let it go. Don't cut in if you have a chance to save the girl. You circulate around in the crowd and try to learn naior and Mice Then try to get the girl away to the motor boat. I will try to distract their attention and give you more chance to do it. If either of you happens to be left when the boat pulls out stick to the crowd and follow the negroes out through the swamps. You'll be safe unless they find out you are white. You will reach a railroad in fifteen miles or so-but get clear before daybreak-or they'll spot you."

We shook hands. I was surprised to

find how little excited I felt. It was as if we were parting for a night's sleep.

"Above all," Borton said, "don't start anything unless things come to a showdown. If we are found out, back against a tree and cut loose—and GET TRIMBLE FIRST. We'd better push on. You go straight ahead. I'll take this back path."

Picking up his queer packages Borton hurried away into the blackness. We stood gazing after him an instant, then without a word, moved quickly forward. Ahead, now bright, now shut off by heavy growths, we could see lights moving like glant will-o'-the-wisps. We stopped, lighted our pitch pine torches, waited for them to flame up and Danforth and I moved forward, side by side along the widening path. In a few minutes we fell in with negroes carry-ing torches and lanterns, emerging from other paths, all moving toward the place

where a great glare lighted the forest, where a great glare lighted the forest. They laughed, called shouted scraps of songs, jostled each other in rough play. We went forward as rapidly as we could without the risk of drawing attention to ourselves and presently emerged from the mouth of the tunnel-line path into a great open glade. line path into a great, open glade. A small island in the heart of the swamp had been cleared and, as we stepped out into the clearing, there burst upon our gaze one of the most weird and appalling scenes ever beheld by the eyes of man.

CHAPTER IX

In the Rabbit's Den

E STOOD, stunned with awe, at the mouth of the forest path, looking out upon a scene so wild and weird it might have been taking place in some jungle depth of the Upper

An exclamation of amazement, perhaps mingled with terror, burst from my lips that almost betrayed us to the negroes who passed us both coming and going and in large numbers. Danforth recalled me to my senses grabbing me by the arm and digging his fingers into the muscles. He burst suddenly into a boisterous laugh, imitating the tones of the black men around us and whispered, "Steady, Wen; keep cool."

My sudden paralysis of mind and muscle passed.

We emerged into a large clearing, perhaps a hundred and fifty feet wide and four hundred or more in length. Evidently it had been a pine covered knoll and the pine had been cut away, the underbrush cleared. Whether there had been a saw mill at one time is impossible to know, but the ground was covered with sawdust. Huge live oaks and water oaks at the sides of the rectangular clearing extended

(Continued on page 28)

It's of ime for opring oleaning

JIPS HOT Off the Bat for the Beginner or Fan Who Had His Set Installed. What Lightning Arresters, A and B Batteries Are. Part II.

MAY we repeat—"Lightning never strikes twice in the same place." There isn't usually anything left to strike. Emphasis is therefore placed upon the necessity of installing approved lightning protection. for your Radio if you would avoid fire hazards as well as comply with the rulings of the Board of Fire Under-

In figure 4 of the last issue was shown the proper location and method of installing such protection. The

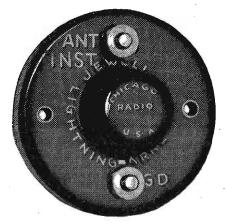
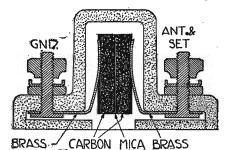


Figure 6, above, is a well-known lightning arrester. Figure 7, below, shows how it would look cut through.



market affords several makes which one may use with assurance of satisfactory operation. The majority of such makes comprise an airproof housing of porcelain in which is installed and sealed two carbon blocks separated by a very thing strip of mica. The blocks are connected to antenna and ground respectively.

In operation they function as a low capacity shunt path to ground from the antenna. This path is such that normal current values will not pass or bridge the gap, while the extreme voltage or power of a lightning discharge breaks down the gap and allows the discharge to pass directly to the earth. Thus is eliminated the danger of lightning entering the house and receiver

where much damage might occur. In figure 6 is pictured a well-known make of arrester using carbon blocks with mica air gaps, while figure 7 is a sawed apart drawing showing its interior mechanism.

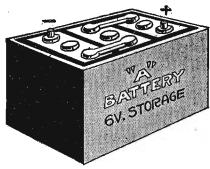


Figure 8. A six volt storage A battery.

Once the parts are installed the bottom of the arrester earea a noncompustabl To install it, after mounting upon the outside of the building, the antenna is connected to one of its terminals and then passed on to the receiver, and the ground wire is fastened to the remaining terminal and then to the ground post of the receiver. Be sure that the ground wire runs in as direct line as possible to its earth connection. Electricity in any form dislikes flowing in other than straight lines. Therefore all bends and turns should be avoided.

Lightning arresters employing copper, brass or other metals as the discharge media should be avoided. The reason for this is that all metals have a relatively low fusing or melting point and cannot withstand heavy discharges, without the danger of such fusing causing a short circuit which would make the receiver inopera-

By the TECHNICAL EDITOR

On the other hand, carbon has a very high fusing point and seldom if ever need be replaced. Because lightning has never bothered your receiver there is no valid excuse for not providing protection before it is too late. Do it now while the subject is fresh in your mind.

Now about batteries, which in Radio are called A, B and C batteries. These letter classifications refer to the particular circuit within the receiver which is served by the battery. Radio A batteries are of two general types, storage A batteries (figure 8) and dry cell A batteries (figure 9). Storage batteries are the more economical for use with tubes which require ¼ ampere or more for the lighting of the filaments, such as the 201A, 301A, UX, WX, or CX class. They have the advantage over dry cells in that they can withstand heavy current drains without losing their voltage efficiency, and can be recharged readily when exhausted

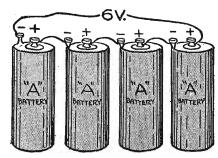


Figure 9. Dry cell A batteries. Four are shown here connected in "series."

or discharged. One should clearly understand that the purpose of an A battery in a Radio receiver is to heat the filament of the tube to a point where it will expell sufficient electrons to permit the B battery to function. It has no other reason for existance. A storage A bat-tery should for general utility work have an ampere

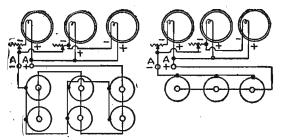


Figure 10, left, and Figure 10-A, right, for all $1\frac{1}{2}$ -volt tubes. Not less than one, preferably two cells, should be used for each tube.

hour capacity not less than 100. A smaller size requires recharging often while a larger size will be inclined to deteriorate through standing inactive too long before being recharged. This then means that in order to secure the greatest efficiency and longest life from a storage battery, it must be used, and at a fair ampere dischargal rate. An idle bat-

tery soon goes to the scrap

heap.
A batteries of the dry cell type, shown in figure 9, are preferred for use with tubes using less than ¼ ampere, such as 199's, or tubes of the 3-volt type. Perhaps the most important considera-tion for the securing of best

results is the use of a sufficient number of dry cells Figure 11. For one to connected properly. Figures three 3-volt tubes.

10 to 13-A, inclusive, show a number of ways of connecting dry A cells properly for

various numbers and voltages of tubes.
Figure 13-B shows what is meant by "series" and "parallel" connections. Connecting in series means the connection of the center or carbon post of one cell to

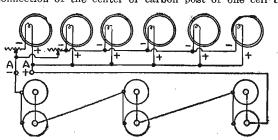
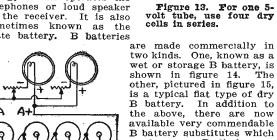


Figure 12. For one to six 3-volt tubes, the above arrangement is recommended as the best.

the zinc or outside post of the next cell. Connecting in parallel means connecting the center post of one cell to the center post of the next, and zinc or the outside post to zinc or outside post of the next cell. For illustration, a "bank" of four cells in parallel would have all four of the center or carbon posts connected together by one wire, and all four of the zinc or outside posts connected together by another wire. To connect such

a bank in series to another such bank, connect the zinc post of one bank to the car-bon or center post of the next bank, etc. Figure 13-A shows a series connection of four banks of two cells in

The B battery is that battery which supplies the energy which operates the telephones or loud speaker of the receiver. It is also sometimes known as the plate battery. B batteries



Por two 5-volt tubes, use one bank of four dry cells in series for each tube.

Contrary to the impression current in some localities, a wet B battery is preferable for all receivers in which the drain exceeds 16 milliamperes, and especially if the receiver is in fairly "series"; bottom, parallel constant use. Wet B's are connection.

readily recharged, but have the disadvantage of requiring considerable attention. **The** more popular B battery is of the dry cell type. Recent improvement in manufacture have now provided dry cells which withstand heavy current drains and remain in efficient service for unbelievable periods. It has now become almost an axiom that all receivers using five or more tubes should use only the "heavy duty" type of B battery in order to secure the greatest economy of operation over a given period. Such batteries are made in the 45-volt size with 22½-volt tap.

At this point it appears as pertinent to the subject to contradict the thought that B batteries, of either the dry or wet cell type, cause noises in a receiver. Exhaustive tests with such batteries in every condition

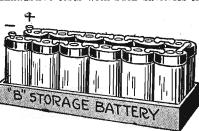


Figure 14. A typical "wet" or storage B battery.

or corroded connections give an imperfect contact and sometimes a resulting scratchy noise, but when such connections are well made, one may as well look to some other portion of the circuit for the trouble.

Another point

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of charge have been made by

no less an au-

thority than the U.S. bu-

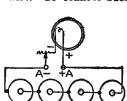
reau of standards, but no noises attrib-utable to the batteries were

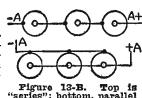
observed. It is true that loose

Another point of equal value is the testing of bateries. How often have you seen them tested anytheres. How often minutes to an hour or more after the receiver has been turned off? All battery tosts should be made when the set is in operation, not when disconnected. It is not the recovery voltage which you desire to learn, but the operating value.

Test your B or A batteries immediately after you have finished using the receiver and before shutting it off. All such tests should be made with a high-grade voltmeter. The 50 cents "and up" kind will do more harm to the batteries than good, while its readings are quite likely to be far removed from the truth with the contract of likely to be far removed from the truth. cent below normal is the "cut-off" voltag In other words, when a 45-volt battery do has rendered value received volts, it ું જું જી

(Continued_





are known as B eliminators. As these have not come into general use by the masses we will confine our discussion to the types of B's

shown in figures 14 and 15.

S-O-S: New Lortable Super

AUTOMOBILE, Canoe, Motorboat, Beach or Camp---All These Are Home to This Little Super-Heterodyne Which Is Easy and Reasonable for Anyone to Build.

By MILO GURNEY

always.

The word "portable" as applied to a Radio receiver means much more than S. L. F. 1223 Amsco condenser, manucompactness. The set's design cannot be such as to over-crowd the parts, it should York city. This particular make posbe adaptable to either antenna or loop sesses much which was desirable. The reception, and it must insure a mechanical ruggedness which will permit of considerable rough handling without marring its efficiency. Beyond this, where possible, the finished receiver should present a pleasing appearance to add to its usefulness in the home.

ness in the home.

In presenting a "how to build" article for Radio Digest's "S-O-S" portable, the author feels that this receiver combines in a marked degree many, if not all, of the desirable features required.

As super-heterodyne circuits have passed through another eventful winter of experimentation and resulting betterment, we may then look to this circuit as most suitable for our purposes. It is also of interest that in building this circuit one has the ad-vantage of using the new No. 171 Victoreen intermediate transformers, designed particularly for use with tubes of the 199 class. These transformers represent a new offering by the Geo. W. Walker Co., of Cleveland, Ohio. Their amplification factor and general operating performance make them stand out as distinctive in their field and well worthy of one's con-

OW that many of the downtrodden the final selection had to be met. First ow that many of the downtrodden the final selection had to be met. First are recovered from their annual among these was the requirement that attack of spring fever, comes the condenser possess a mechanical vacation time and the lure of the ruggedness beyond that found in many great outdoors. Yet no vacation can be makes of the so-called straight line frecomplete without a portable Radio requency type. Of equal importance was ceiver. The evening bedtime story, the the assurance that the rotating shaft voice of your favorite announcer, the carrying the rotor plates be so designed "pep" of the Charleston, and the soothing as to offer automatic compensation for melody of "Always" must be with one wear, thus obviating the necessity of ad-

justment attention by the user.

The final selection was the type No.

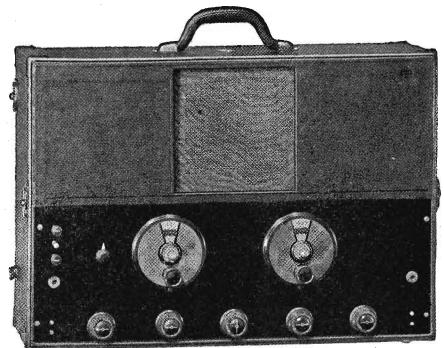


Figure 1. All set to tune in. Symmetrical and neat, isn't it?

LIST OF PARTS

4 No. 171 R. F. Trans.

1 No. 150 Oscillator

1 No. 160 Antenna Coupler

2 No. E130 Audio Trans.

3 No. 9040 Cle-Ra-Tone Sockets

2 No. 103 Radio Jacks

2 No. 104 Radio Jacks

2 No. 104 Radio Jacks

2 No. 107 R. 400 Potentiometer

2 No. I. R. 30 Ohm Rheostats

2 No. 764 B Batteries

4 No. 764 B Batteries

5 No. 7111 A Batteries

6 co. W. Walker Co., Cleveland

7 Hordarson El. Mfg. Co., Chicago

Carter Radio Co., Chicago

National Carbon Co., Chic .80 .70 .90 .40 3.44

Total Cost.....

deir field and well worthy of one's con-lence.

As a portable receiver is subject to very plates are wedged into machine milled bars, distinctly quality apparatus.

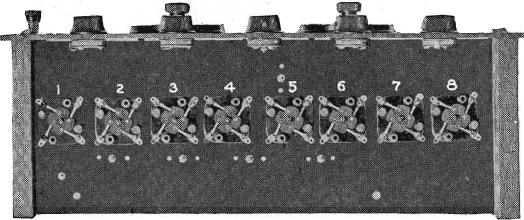


Figure 2. Bottom view of sub panel showing sockets in place.

severe shocks through handling and the and in turn wedged microphonic noises incident to the use into Radion supporting of 199 tubes must be circumvented, the studs. The rotating selection of a suitable socket entailed a shaft carrying the careful test of several makes. Our final rotor plates is made of selection was the No. 9040 Universal as chromium nickle needle manufactured by the Benjamin Electric steel and fits into a Mfg. Co., of Chicago. Upon examination of locked bronze bearing. this device, many very desirable features. This bearing is split in are disclosed beyond the novel method order to offer a self used for reducing microphonic effects. compensation for wear, Taking advantage of one of these, it will be noted that the sockets are mounted in a reverse position underneath the sub front between this panel, the socket base proper protruding bearing and the rotor up and through the panel, thus providing barring and the rotor not only neatness in top sub panel appearance, but permitting the placing of fits into a bronze casing all wiring beneath this panel without unseembly and is prosightly drill holes.

The variable tuning condensers offered thrust bearing. From another problem which was not easy of the above description solution, or several factors bearing upon one will readily under-0, III. (302.8m-990kk im; 7-7:20, 79- M(I).

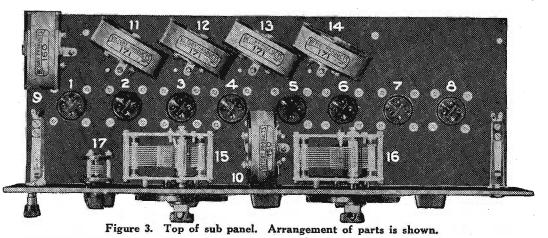
washer is interposed in

There is an old axiom which reads that no chain is any stronger with the limits of error put.
narrowed down to an It is apparent to the reader that it

perience of a great many manufacturers of Radio receivers was called upon, the final selection favoring Aerovox condensers, as designed and constructed by the Aerovox Wireless Corp., of New York city. The No. 1200 type which is used as the main bypass for radio frequency curthe main bypass for radio frequency currents readily met the 500-watt breakdown test to which they were submitted. Contrary to the general impression, it should be understood that a discharging condenser is subject to very heavy surges. This discharge takes place as a successive ripple. At each peak the strain to which the holding plates are subjected is quite beyond that usually understood. Mechanical strength in addition to careful calibra cal strength in addition to careful calibra-tion of capacitive values are therefore important and are well met in the product

POSSIBLY no product used as an accessory to a portable receiver is called upon to provide efficient service as are the filament and plate batteries. Of necessity space will not permit the use of husky, large capacity units, therefore one's selection must assure a make which enjoys a reputation for uniformity, a high recovery value and a construction assembly which, except under severe abuse, will give full value received. Of a few types meeting these conditions, the National Carbon company's Nos. 764 and 7111, were selected as representative of than its weakest link, tional Carbon company's Nos. 764 and This applies very for-7111, were selected as representative of cibly in the selection the high quality required. The name of fixed bypass con-"Eveready" hardly needs additional mendensers. While a more tion. It is already generally established serious attempt has that products produced under this label been made of late by will prove well adapted to the work in been made of late by will prove well adapted to the work in several manufacturers hand. The No. 764 B battery is of the to produce fixed conheavy duty type, capable of withstanding densers whose values the drain incident to the extended use to will remain fixed and which receivers of this class are usually

with the limits of error narrowed down to an It is apparent to the reader that it acceptable point, we are still confronted with altogether too many this receiver without ignoring all of the brands in which one "boost" literature offered and selecting cannot place much contact that make which in conjunction with the fidence. In the selection of fixed condensers pleasing reproduction. Fortunately, early for Radio Digest's in the making of such tests a transformer S-O-S portable, the ex-



Man Static's Juneral

PART III, in Which Is Described the Making of an Efficient Buried Antenna System

By MILO GURNEY

HE author is not "Bubbling Over" this morning—if you know what I mean. In truth, he lacks fifty pieces of silver. All of which is irrelevant, not admissible or pertinent to the subject of underground antennas. In the last article on antennas of this character a promise was made that suggestions would follow for experimentation with horizontal types of aerials. The details of these experiments, promised for the June 15 issue, will be delayed as the avalanche of mail on buried aerials has brought a few very valuable experimental ideas which are of such interest that all will want to learn of them.

May I then introduce Clifton G. Whitchurch, of Ardmore, Oklahoma. This gentleman has invented an

underground system which is novel in design and, according to his statement, works very satisfactorily in his locality. We are taking the liberty of reproducing his description of the underground condenser antenna with the certainty that each of you will agree that his

plan possesses merit.

Takes But Very Small Space

Mr. Whitchurch writes in part as follows: "The antenna about to be described, is the result of a number of experiments conducted with the two objects in view, efficiency and adaptability for installation in a very small space. From my experience, it appears the first object has been attained while as to the latter, the reader is left to judge for himself. All that is required for the installation of this interesting experiment is a post hole digger, a space six inches in diameter and enough man power to sink the hole

had, one may use an equal length of 1/4-inch, 24-strand cised in doing this so that you will not burn the lead ribbon aerial wire. You will need a cylinder of either bakelite or paper 534 inches in diameter and 271/2 inches long. If this diameter is not available, either a smaller or larger one may be used, making sure, of course, that if a smaller diameter cylinder is used, then the length will have to be increased, and vice versa for a larger cylinder." (For those not familiar with the method for determining the length of tubing required, the diameter times 3.1416 equals the length of a turn. Therefore the length per turn and the section will Therefore the length per turn and the spacing will determine the total length of cylinder required.— Editor's Note.)

"The cylinder selected should have a sealing head disk of bakelite or wood at each end (see illustration). A ¾-inch hole ½ inch deep should be drilled in one of the heads at its exact center. Next drill a ¾-inch hole ¼ inch from this same end of the cylinder and on into the center to intersect the hole in the center of the head. These two holes now form an outlet for one end of the winding to pass through. It is needless

"We are now ready to install the antenna, which will require a hole 6 or 7 inches in diameter, or just large enough to admit the can. This hole should not be less than 5 feet deep and preferably 6 feet.

"The hole finished, lower the "canned" antenna clear to the bottom and pour thin mud over it, being can down with a stick while so doing in

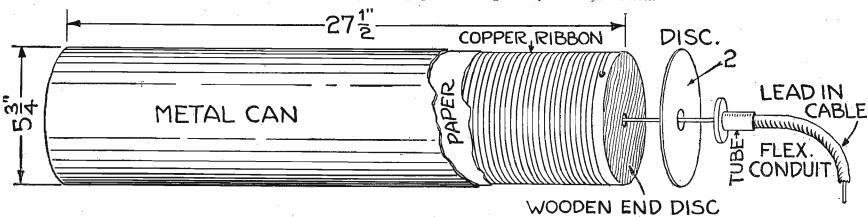
to hold the can down with a stick while so doing in order to keep it from floating. Gradually fill the hole with dirt, keeping it more or less watery. One foot from the top, the process of watering may cease, and the remainder of the hole can be filled with dry dirt

and thoroughly tamped.

"The exposed end of the copper wire in the lead-covered cable is to be attached to the antenna post of your receiver, while the ground post of the receiver is to remain attached to the ground you are now using. If your receiver is grounded and shielded, you should solder the sheath of the cable to such shielding. If not shielded and you care to go to the trouble of doing five or six feet deep.

"My experience has been with antenna coupled to mention that if a paper cylinder is used, it should be thoroughly dried and given a coating of hot paraffin.

so, you may expect added selectivity as a reward for your efforts."



super-heterodynes and two stage radio frequency receivers. While ordinary loop aerial reception was also tried, the reception results with the underground system were considerably more uniform and static was reduced markedly. When using the loop a number of bloopers were ever present but with the underground aerial, but one or two of these tormenters were able to plow through. These were located so close I was compelled to admit they were neighbors.

"A defective electric lighting transformer was barely audible when receiving underground. With the loop and under the same conditions the noise from this transformer would drown out WBAP, Fort Worth, and WFAA, Dallas, Texas, 100 miles away. This interference was so pronounced on the loop that with loud speaker reproduction nothing but a roar could be heard. The receiver I am using is a seven tube Super-Autodyne. The loop employed when comparisons were being made is of the box type, 18 inches wide and 84 inches high. On stations farther than 200 miles away the volume received favors the under-200 miles away, the volume received favors the underground system. Under this distance, there is little the loop or underground systems. I believe the two stations mentioned, WFAA and WBAP, actually come in stronger when using the loop.

Underground System Beats Loop for DX

"On stations 500 miles or more distant, the use of the underground system brings in a very noticeable increase in volume over that obtained with the loop. In fact, it is observed that it is readily possible to

In fact, it is observed that it is readily possible to bring in distant stations on the underground system which cannot be picked up at all when using the loop. "The writer has not tried for extreme DX, all reception being secured upon a large concert type diaphragm loud speaker which lacks in great sensitivity. However, such stations as KDKA, WGR, WWJ, WSB, WSAI, WBZ, KFMX, CFCN, WMBF, KGO and KFI are received here, in Ardmore, Okla., with real volume, if one is to believe his neighbors in the adjoining block and compare with their stories the adjoining block and compare with their stories. It is to be noted that the list of stations which I am able to receive, with the exception of the last few, are, as the Hired Hand at WBAP would say, 'Quite

a fur piece frum here.'
"For the benefit of those who desire to construct an underground system such as I am using, the writer will attempt to outline the procedure. The dimensions may be varied. This may be desirable possibly for the particular make of receiver you are using, although in general the specifications given will apply to a great

many receiver makes.
"The underground antenna specified contains 132 feet of 4-inch flat copper ribbon. If this is not to be Directions for Winding Cylinder

"We are now ready for the winding which is done with ¼-inch copper ribbon or braided tape. Insulate the starting end of this ribbon for about 3 inches, wrapping with electricians' tape, and insert this insulated end in the outlet just drilled so that about 1/2 inch protrudes from the center hole in the sealing head. Fill the hole with hot paraffin and allow it to harden. You may now begin the winding, which should be spaced 1/16 inch between turns, and continue until the whole 132 feet have been wound upon the form. The finishing end may be brought through the tube head at the reverse end from the beginning and sealed off with paraffin or sealing wax, or fastened in any convenient way as no connection is made to it. The winding finished, dip the whole in a bath of hot paraffin and then allow to cool. Follow this procedure by wrapping on two layers of insulating paper, which may be any high-grade glazed paper, over the wound form and again dip in the hot paraffin bath and allow

"We are now ready to construct the housing or can
"This will require a sheet for the underground antenna. This will require a sheet of either copper or tin 20 by 28 inches in size, providing the size cylinder specified was used. This sheet should be formed into a cylinder by a tinsmith. Do not once the seam, but first insert the wound form. Once this is accomplished the seam may now be drawn together tightly over the wound form and securely soldered water tight. This forms a continuous cylinder which should be sealed at the ends by colored with copper or tin discs which are also be colored to the copper or tin discs which are also be soldered to the enclosing can. Before doing this, however, one of the metal heads (marked 2 in the illustration) should have a 11/2-inch center hole made in it for the lead to be taken out. The completed can will now appear with only one center of the winding form visible and its associated ribbon terminal drawn through.

Bringing Out the Lead-In

"To the exposed terminal of the ribbon solder a two-foot length of stranded ignition cable and tape the joint. Covering this cable and soldered to a center hole covering disc of tin should be a two-inch length of metal tubing. When in place this tube and disc are soldered to the end covering disc so as to be water tight and the tube should be filled with sealing wax or hot paraffin. To the exposed end of the cable is then soldered your lead-in which should consist of either number 12 or 14 solid copper insulated leadcovered wire. The connection so made must be well taped with electricians' tape and likewise dipped in hot paraffin. The sheath of the lead cable is to also be soldered with a length of wire to the metal can, but you are warned that considerable care must be exer-

At first, one may not secure the results anticipated as it takes some time for the total condenser effect to function. There will be many successes and no doubt an equal number of failures. An underground antenna that will work wonderfully in one locality, very often refuses to function well elsewhere.

Mr. Whitchurch's article was not quite clear in some of its statements. However, the specifications in general are quite complete and we are of the opinion that this gentleman would be pleased to correspond with those who would care to write him.

(Another very successful type of underground, static reducing antenna, which has the obvious merit of being simple to make, will be described by Mr. Gurney in the mid-June issue of Radio Digest, out June 14.— Editor's Note.)

IT'S TIME FOR SPRING CLEANING

(Continued from page 9)

C batteries are made only in the dry cell type and range in voltage value from 1½ to 22½ volts. They generally are inserted in the grid circuits of audio frequency amplifiers, although they are also employed in the radio frequency amplifiers of some circuits. Their purpose is to place a negative charge upon the grid of the tube, thereby forcing it to operate with more clarity. In addition, such a negative charge materially reduces the current flow from the B battery, thus lengthening its life. Very often this current reduction amounts to one half of that normally taken by the receiver, hence it is obvious that C batteries should always be used for economy's sake without regard to the improved quality. C batteries have "shelf"

life, or from six to nine months.

When testing a wet or storage A battery, the use of a hydrometer is to be preferred. With your storage A battery instruction sheet or with the hydrometer will come a list of hydrometer readings to guide you in the proper charging periods of the battery. In general, however, a wet A battery is fully charged when its hydrometer reading is 1280 to 1300, and it will require recharging when the specific gravity or hydrometer reading has dropped to 1250, the danger line usually being 1225. These values may differ slightly from various instruction pamphlets but in

general may be relied upon. Another test of the state of a storage A battery is to use a voltmeter. When using such a device, do not make the mistake of turning and the tubenestra; a:25.
de 8 p. m., T taking your reading. You actual condition of your ton Grave when the tubes are turn

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For Radio Skeptics

YOU who have friends that still remain skeptical as to the arrival of Radio as an institution, read to them this editorial. Let them be not afraid of investing in a good Radio installation. The day of Radio

is here and will stay for many years to come.

Dr. J. H. Dellinger, chief of the Radio section of the United States bureau of standards, Uncle Sam's final authority on Radio, has very recently stated that Radio is now definitely established as a practical, dependable, permanent utility for everyday use.

Dr. Dellinger believes that the newest and most recently designed sets on the market cannot be improved to any considerable extent so far as service is concerned. He thinks future improvements in broadcasting will be in the transmitting rather than receiving end.

The day of rapid changes in Radio models, Dr. Dellinger says, has passed. Following the period of experimental development, during which the market was flooded with scores of "sets" of all degrees of receptivity, the industry has now settled down to the production of a relatively few standard, high class sets, expertly designed and substantially built, which may be expected to give as good results five, ten or fifteen

years from now as they do when new.

"There is no longer any more reason for waiting to buy a good Radio set," says Dr. Dellinger, "than there is in waiting to buy a good piano. While there doubtless will be occasional refinements in receiving equipment, these are not likely to affect appreciably the comparative value of the standard sets of today. Tubes, of course, will lose their efficiency after from 1,000 to 2,000 hours of use, but most of these can be reactivated at small cost. The set as a whole, however, will retain its efficiency and value indefinitely."

Tell your doubting friends what they are missing.

Tell them what this high authority has said. vestment in good receiving equipment is lasting, pro-fitable and may not be classed as a luxury.

Playful, Joking Stage Hands

NOW the stage hands are gunning for the broad-casters. In Omaha, we learn, the stage hands' local union has been eyeing WOAW and other sta-tions jealously, and wondering if there isn't some excuse by which the broadcasters can be forced to

employ one or more invisible scenery shifters.

We do not laugh at this suggestion because it is a move of organized labor. We honestly believe in organized labor's collective bargaining system where it is of benefit to the welfare of the public. But we laugh at this one originated by the Omaha stage hands because it is so utterly ridiculous from every viewpoint.

The stage hands would find a job where there is no work to do. Perhaps they would go so far as to coerce stations and force them each to employ a highpriced union stage hand to sit around and twiddle his thumbs. Mr. H. H. Bushey, business manager of the Omaha local, who started the movement, evidently suspects the broadcasters of having various concealed "sets" and "drops."

Broadening Religious Beliefs

R ADIO and economics together are working one of the greatest changes in the worship of the Deity in the United States that this country has ever known.
The broadcasting of religious services, be they denominational or non-denominational, is showing its effect on the various creeds. People are beginning to realize that, after all, every religion is working toward the same general end.

Since the advent of Radio, church memberships have increased in this country far beyond their normal

Radio can be thanked for this broadening of public thought, this widening of the belief of religious minded wess; how covered by this new medium of microphone Watchtower neaker to the minds of the listeners and Tea Gr

RADIO INDI-GEST

Indi-Gest Poets

The Indi-Gest Poets come and go, Some give up when ideas come slow; They sail like a meteor 'cross the sky, A flash for a minute, then fade and die.

Rhea did well in verses light, 'Till she sponsored one entitled "Night,"
That strain was too much,—the next she cast
Was in primer style, and that was her last.

The Trombone man sarcastic gets,
I judge by his stuff he is one of the Wets.
They say that he lives beside the lake So should have no trouble his thirst to slake.

This writer has taken a few months' rest, But is in again as a "Colyum Pest," At the start, perhaps, a little bit lame, But able to play to the end of the game **GEORGE**

George, Indi-Gest's roaming bard, who has the world's largest portable set, is back with us. Greetings! His receiver is in a commissary box car which travels all Red Cloud, Nebr. He has just sent in a bunch of lilting rhyme, and Indi is glad to promise you one of George's best, "Railroad Radio," next issue.

To Old King Tutt

My dear Majesty: I wish to express my approval of our poetic protest against the feminizing of Radio ligest. Women are all right in their place. For instance, the hot mamas on the front page and the Hey Hey girls on the Advance Program pages are all right I say. But when the sweet, young things write about the lavender eyes of Oswald Maraschino and the lavender whiskers of Gerald Fromage, it is time that the honest voice of yeomanry be lifted in protest. Whither are we drifting?

In this connection I will say that this "Betty" jane may be on the level. However, I strongly suspect that the "Marcella" kid is the bunk. I don't think she is a she. By this I mean that one of the lads in the office, is grinding this stuff out and kidding the general public.

Maybe the bird smokes an ancient corn cob pipe and Mayor the bird smokes an ancient corn con pipe and gleefully rings a bull's eye in the goboon while he pens such gems as "effervescing youth and ambition," "I have did my darndest," "both wear neckties and shoes." I have written to the management but received nothing definite in reply. Maybe "Indi" himself writes this bunk while in a girlish mood.

Again expressing my approval for your manly stand,

am, very truly yours,
THE THIRD TROMBONE PLAYER

-HIM!

Who fills my den with awful noise, Destroying peace and equipoise, Wrecking nerves and avoirdupois? The blooper.

Who, playing pinwheels with his dials, Uncorks each night the seething vials Of my wrath—though he be distant miles?
The blooper.

Who inspires in once gentle breast Base impulse of homicide to rest, Till it seems no crime to kill the pest? The blooper.

J. E. R.

Intermission Idiosyncrasies A. C. S. Announcing

"At 9:45 Willie Westfall, the child wonder of New York and New Orleans will render a violin solo, 'Wishes and Wisteria.' One audience called it hisses and hysand wisteria. One audience called it misses and hysteria. Willie, we would like to state, has played before many of the crowned heads of Europe, and a few that ought to be crowned—with a two dollar catsup bottle or a stocking full of T.N.T. However, you may enjoy this solo number immensely. We'll be satisfied if you are."

Dr. B. G. Clausen, broadcasting his evening church services over WGY recently, surprised his congregation by bursting into song right in the middle of his sermon. His solo consisted of a negro spiritual. Whereupon, we assume, a number of sleeping masculine pewholders and Radio fans were awakened, thinking they had tuned in on WBAP, the Fort Worth Star-Telegram in action.

Static Cure in Six Operations

Dear Indi: I have a static eliminator hook-up well worth your consideration. It is as follows:

(1) Dig up aerial. (2) Climb up on the house and take down the ground. (2) Berger and between

down the ground. (3) Remove all batteries, placing them in a strong cardboard box made of wood.

(4) Disconnect loud speaker horn from unit. Place (4) Disconnect loud speaker horn from unit. Place in a prone position standing up straight in the box. (5) Pack all tubes in the family flivver's tool box, so that they won't get broken. (6) Place a can under the grids to catch all the leaks. (7) Place the set in the box in an oblong position flat on its back, pack in saw-

dust, and place box in dark attic until next fall. Results: This is the best method I have ever This is the best method I have ever tried. It eliminates practically all static. M. G.

FRANQUE'S FILOSOFEE

Every tube has a silvered lining.

INDI

Oh Say Not So!



Condensed BY DIELECTRIC

The transition has been made from winter schediles to those better suited to warm evenings; where listeners suffer some discomfort if they choose to tune in broadcasting stations on their circuit. No longer do we have the "all classical" programs, though many studios continue to feature classical numbers, instead music of a lighter vein comes into the loud speaker. Continuity programs have lost none of their attraction to the great majority of Radio auditors and we may expect them to continue unabated throughout the season of heat and static. Fortunately, this type of entertainment is provided by local broadcasters in their own studios, or rebroadcast from some metropolitan sta-

It is intended to review here the closing concerts featuring works by old masters and presented by well-known artists of this country and Europe. Beginning with that Atwater Kent concert in which Mme. Frances Alda made her Radio debut, there is an inclination to dwell not only on her versatility but Strad quality of tone—bright and silvery. Her choice of songs showed intuitive discernment of the cosmopolitan tastes of the hundreds of thousands listening and a courteous acknowledgment of their right of appearement. Personally, the violin playing of Mr. Corliagni was received with enthusiasm, as he possesses charm of style, musicianship and a tone quality rich and

While the Schola Cantorum was known outside its immediate home territory before that eventful night when a chain of broadcasting stations introduced it to countless others, still it never could have merited warmer praise than on that occasion. The tonal sweep of the trained body of voices through selections of impressive grandeur, into songs of vivacity and changing mood, attacking contrapuntal fugue-like compositions with perfect rhythmic balance, these were some of the accomplishments which made friends far and wide over the country—and deservedly. No particular dis-tinction should be made between the excellence of one choir and any other, for each helped form the whole.

When at last the final gala concert of the winter series of concerts sponsored by Mr. Kent had come to its close, all those who had followed from Sunday evening to Sunday evening the appearance of one after another of the foremost artists of the world, a feeling of real gratitude was felt toward the man responsible for it. Allan McQuhae's fresh Irish tenor, Maria Kurenko's unapproachable coloratura singing, Albert Spaulding's seasoned art as a violinist, Josef Hofmann's virile masterly pianism; there indeed was a musical feast seldom offered to any paid audience—yet presented gratis to all who might listen.

Rodman Wanamaker is the possessor of a collection of old violins of great value—both intrinsic and commercial-which he graciously permitted members of the New York Philharmonic orchestra to play in the studio of Station WJZ, New York. Fiddles are heard everywhere and quickly discernible to the persons acquainted with the masterpieces of Italy, France and Germany, and a great many more folks now know what music can come from one of these instruments. The cello (noted among collectors of rare old instruments) made one fairly weep as its gorgeous wealth of tonal beauty came through the speaker into the quiet homes of a myriad of listeners. Radio displays these, without fear of damage to their priceless varnished surfaces, before an audience too large to handle

A. T. & T. DIVORCES ITSELF FROM WEAF

INTERESTING NEWS BRIEFS AND BROADCASTING BITS

C. B. Locke Leaves WBAP—No Radio Forecasts Yet—"Subpoena" Wen-dell Hall—Hamm on Air

The broadcasting activities heretofore The broadcasting activities heretofore carried on by the broadcasting department of the American Telephone and Telegraph company, under general designation of WEAF, have just been incorporated under the name "Broadcasting Company of America." Inasmuch as broadcasting service is apart from telephone service in its special problems involved, the separate corporation was deemed, advisable rate corporation was deemed advisable.

The new company, of course, is owned entirely by the A. T. and T.

* *

C. B. Locke, popular WBAP announcer and Radio editor of the Fort Worth Star-Telegram, has resigned to go into Radio sales work. Roland Perry, a member of the Star-Telegram editorial staff, has been promoted to the positions vacated by Mr.

A nation which enjoys good music will never turn bolshevik and singing workmen will do better work and lead happier lives, says Powel Crosley, Jr., owner of Station WLW and the Crosley Radio corporation at Cincinnati. This Radio industry leader declares that the musical efforts of the breaders are working for the professions. the broadcasters are working for the more peaceful spirit of the nation and the greater enjoyment and contentment of its

At the present time the weather bureau of the degartment of agriculture will not attempt to make "Radio Forecasts," a service it is often called upon to give. People want to know in advance whether or not the listening will be good or bad on certain evenings and what parts of on certain evenings, and what parts of the country can be heard best. But at this time, the weather bureau says, the reliability of such forecasts would be very questionable.

Speaking of Radio, Dr. Herbert A. Fricker, Canadian critic and noted choir leader, has made the statement, "The new science is bringing music into her own as perhaps the most valuable of all the arts to humanity at large." The strained nerves of the present generation need a soothing influence, the noted critic remarks, and this is now within reach of even the most humble of our citizens.

Wendell Hall and his wife, when they made their appearance in Fort Worth, Texas, were immediately served with a subpoena by the grand jury, demanding that they stay in Fort Worth. Inasmuch as the Star-Telegram station, WBAP, wanted the "Red-Headed Music Maker" on hand at all times, and WFAA, at Dallas, was close by, WBAP officials decided that the safest way to keep him in Fort Worth was to subpoena him. The grand jury obliging, the plot was carried out, and WBAP listeners benefited to the discomfiture of the touring ukulele songster and his charming wife.

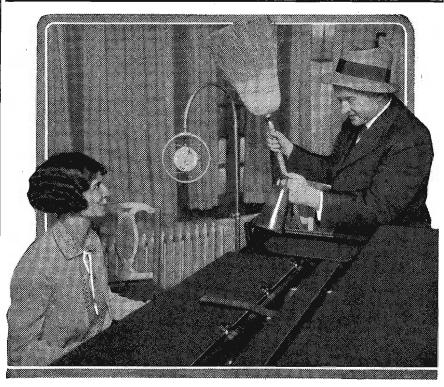
Dedication services of the new East Dedication services of the new East Lansing Peoples' church, erected recently at East Lansing, Mich., and costing \$350,-000, were broadcast by Station WKAR, the Michigan State college broadcaster. Four denominations, Baptist, Methodist, Congregational and Presbyterian, took part in the dedication services.

Fred Hamm and his orchestra are back on the air. The original "Bosses' Own" music makers whose lilting refrains have been heard during the past two years by millions of listeners from the popular El-gin stations, WTAS and WCEE, recently began an indefinite engagement at the "Purple Grackle" Spanish restaurant two
miles East of Elgin, and are being broadcast by WGN and WLIB nightly.

A hook-up of twenty-six of the largest broadcasting stations carried the principal addresses and proceedings of the forty-ninth annual convention of the National Electric Light association which was held in Atlantic City recently.

Prizes announced by Warner Brothers to hamdom for the best logs submitted covering the two-way conversations on 40-meter waves between 6KY, Hollywood, Calif., and 6XBR, portable broadcaster now on tour of the Pacific northwest and intermountain states, have been increased to a total of \$1,200. The time of the exchange of messages is also changed to 9:30 p. m. Pacific time, or 11:30 Central standard time. The first prize is \$500 in cash. 6XBR wil circle the world in its tour.

HIRED HAND-SUNFLOWER GIRL DUET



Here they are—both of them—the Sunflower Girl and the Hired Hand. The picture was taken in the studio of WLS, Chicago, where this famous pair from WBAP, the Fort Worth Star-Telegram, had occasion recently to visit. "Just finished sweepin' out the microphone and thought I'd do a little announcin," drawls the Hired Hand, laying down his broom and picking up homes all the way to Texas and the Southwest. The Hired Hand is known to the income tax collector as Harold Hough. He admits he is about 32 years old, his eyes are "sorta" gray, and he has a voice and a way that girls wake up in the middle of the night to remember. His piano playing, crooning team mate is equally famous.

New York city by Ben Bernie, famous WEAF orchestra leader. All kinds of jazz instruments are taught in courses of instruction modeled after the accepted plans used by the standard schools of classical

When the 1926 National Balloon races were started recently from Hot Springs, Ark., every one of the ten starting balloons was equipped with a Radio receiving set. This is the first time in history that all have been so equipped. The reason for the popularity of the receivers may be attributed to the success of Pilot orman of the Goodyear IV, who for the past three years has won the races. Station KTHS, New Arlington hotel here, broadcast every detail, of the races and gave the pilots periodic weather reports.

A mystery broadcaster whose owners are cursed with a misplaced sense of humor has frightened Los Angeles, Calif., listeners several times recently with fraudulent warnings. Once the news was broadcast that a hurricane was sweeping down the San Férnando valley and threat-ening Los Angeles. Again, a fictitious warning was given that the big Hollywood dam in the hills was about to burst and flood the northern half of the city. Considerable work was necessary to restore the peace of mind of citizens. Inspectors are searching for the offender.

NEW UX-171 RADIOTRON POWER TUBE APPEARS

Is Designed for Use in Last Audio Frequency Stage

NEW YORK.—In order to provide still greater power from the storage battery receiver, yet without the need for alternating current supply, there is now introduced the new UX-171 Radiotron. This tube, although no larger than the UX-112 type, is capable of supplying an amazingly large volume of undistorted output to the loud speaker; and as is the case with other types of power tubes, it is intended for use only in the last stage of an audio frequency amplifier.

The new UX-171 tube may be operated from a six volt storage battery through a five or six ohm rheostat or if preferred, it may be operated from a five volt source of alternating current. The maximum plate potential of this new tube is 180 volts. The negative grid bias or C battery should be 40.5 volts for the full 180-volt plate potential. The filament current is

Duke Moves Radio Set First

LONDON.-When the Duke of York, the Prince of Wales' younger brother, moved house here recently, the first thing to be unloaded at his new home from the Americas' first avowed school of instru-mental syncopation has been opened in square frame aerial.

Radio Club Notes

Station CKY of the Manitoba telephone system has inaugurated a systematic study of receiving conditions throughout the Province of Manitoba. Trained observers in the company's employ have been appointed at stragetic points in the province and they are reporting daily on receiving conditions, noting in particular such interference as may exist and its probable cause. These reports are telephoned each morning to CKY, where a summary is made and broadcast at noon, It is hoped that much of value will be learned regarding Radio phenomena as a result of this survey. As CKY is the first station in Canada to undertake a work of this kind, their summaries should be of marked and valued interest.

Radio clubs will be interested in the following tabulation of types of interference encountered by 148 persons to whom questionaires were mailed.

Induction noises, 58; radiating receivers,

50; spark interference, 17; satisfactory reception, 23.

From the above figures it is apparent that our old enemy the "Blooper," is not to be blamed for everything. Induction noises run a close race, well out in front, while spark trouble comes in for a share of the blame. But why have nearly fifty per cent of the trouble arising from bloopers? Be a good fellow and show your blooping friend how to tune his "getter," as one fan terms his Radio.

City Attorney A. H. McMillan, of Bay City, Mich., recently submitted to his city commission the draft of an ordinance to regulate the operation of Radio receivers and to prevent unnecessary interference. The ordinance provides, among other features, the licensing of all receivers. A two dollar license fee is suggested. We await with interest the final disposition of this draft, as it is somewhat doubtful whether such an ordinance could be en-

MANUFACTURERS MEET

(Continued from page 3) under the direction of President Frost

new officers were elected for 1926-27 as

President, A. T. Haugh, King Mfg. Co.; secretary, L. G. Baldwin, Willard Battery Mfg. Co.; treasurer, P. C. Lenz, Runzell-Lenz Co.; directors-at-large, Carl Boyd, Reichmann Co., Powel Crosley, Jr., Crosley Radio Corp., Vernon Collemore, Atwater Kent Mfg. Co., E. F. McDonald, Jr., Zenith Radio Corp.; directors of eastern division, H. H. Eby, H. H. Eby Mfg. Co., C. C. Colby, Samson Elec. Co., E. M. Squarely, U. S. Tool Co., Godfrey Gort, L. S. Brach Mfg. Co., S. B. Trainor, Amplion Corp. of Am., B. H. Price, Amsco Products Co., H. H. Frost, E. T. Cunningham, Inc.; directors of western division, Leonard Parker, Stewart-Warner Co., Towner K. Webster, Ekko Co., third vice-pres

||LABOR BODY DEFIES U.S. AND NABS WAVE

INSISTS ON HAVING BROAD-CASTER REGARDLESS

Chicago Federation Threatens Opening Up on 491.5 Meters Now Used by WEAF and KGW

CHICAGO.-Before this is read, the Chicago Federation of Labor has threatened to have its broadcasting station in operation here, on the same wave length as WEAF, namely 491.5 meters.

The Chicago labor body has been attempting for some time to secure a wave length, but has been refused by the com-merce department whose officials say there are already too many stations in Chicago, and besides they haven't any wave lengths

But that has only put the fight into E. N. Nockels, secretary of the Chicago Federation, who says, "We will be within the law, because the law requires the department of commerce to issue a license to any com-

pleted station that makes application.

Won't Let A. T. and T. Monopolize

"Dragging through the courts would take too long. The wave length of WEAF is not used west of New York, and we do not feel that the American Telegraph and Telephone company should be permitted to monopolize the air." Here Mr. Nockels erred, for KGW, Port-

land, Ore., uses the same wave as WEAF. Regardless of the error, however, fans and other broadcasters are interestingly awaiting the fireworks which are bound to occur if WCFD, the labor station's call, opens as scheduled on WEAF's wave. The station is located on the end of the Chi-

Real Wedding to Go on Air June 1 from WHT

USL Honeymoon Winners to Be Married in Studio

CHICAGO.—As often as Al Carney has played the wedding march on the studio organ at WHT, he has never played it for organ at WHT, he has never played it for an actual wedding ceremony. So it will be for the first time that he will play it when Charles E. Riddle and Irma O. Schertz are married in the studio on the night of June 1 by the brother of the groom, the Rev. E. M. Riddle.

The studio will be turned into a chapel. Floral decorations will cover the walls and adorn the organ manual at the east end of the studio which will serve as an altar. A choral program consisting of appropriate anthems will be arranged for the occasion.

After the ceremony the couple will be taken to Niagara Falls as guests of the United States Light and Heat corporation. It was this company that offered a week's entertainment in the "honeymooners' paradise" for the best suggestion for a USL program to be put on the air by WHT. program to be put on the air by WHT. The contest ended March 1. Mr. Riddle and Miss Schertz won with their suggestion, which will soon appear on the WHT

"La Presse" Records Listeners' Favorites

Enterprising Phonograph Company Then Sells to Fans

MONTREAL, Que.-An entirely novel way of bringing Radio entertainers into more personal contact with listeners has been inaugurated recently by CKAC, La Presse station, here.

Whenever a popular entertainer faces the microphone and renders a special number which has been requested by over 500 fans, arrangements are made with a local phonograph, record mentages. local phonograph record manufacturer and one or two of these numbers are reg-istered via CKAC through the registering laboratories of the local firm.

The first of these to be most success-

fully recorded and put on sale the following day were the "Palms" and "Hosanna" as played by Norton H. "Buddy" Payne, popular organist of the Canadian Famous Capitol theater

The numbers were played during one of his bi-monthly Thursday night organ recitals. In less than four days over 3,000 of the records were sold in and around Montreal.

J. A. Bennan, Jefferson Elec. Mfg. Co., W. W. Dowdell, Sterling Mfg. Co., Harry Bradley, Allen-Bradley Mfg. Co., Jess Hawley, Newcomb-Hawley Co., Harry Simpson, Maring Wire Co., D. MacGregor, All-American Radio Corp.

The first named director in each of three groups of the state of the stat

AN EVENING AT HOME WITH THE LISTENER IN IN CENTRAL TIME

										WOAW	Omaha, Nebr Trenton, N. J	
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AT9	Fort Bragg, N. C.	435	Silent	5:00- 6:00	Silent	Silent	Silent	7:00- 8:55	Silent	WOK WOO	Homewood, III Philadelphia, P	a 50
CFCA CFCN	Calgary, Alta	356.9 356.9		6:00- 8:00 Silent	5:45- 6:45 Silent	Silent	6:00-11:00 Silent	Silent 9:00-10:00	Silent Silent	WOOD	Grand Rpds, Mi Kansas City, Mo	
CICA	Montreal, Que	434.5 516.9		8:30-9:30 12:45-3:45	8:30-10:30 Silent	8:30-9:00 5:15-9:30 5:00-9:50	Silent	10:00-12:00 6:30- 7:30 5:00- 6:00	9:00-12:00 Silent	WOR WORD	Newark, N. J Batavia, III	
CKCL	Toronto, Ont Toronto, Ont Winnipeg, Man	356.9 384.4	5:00- 6:00 6:00- 8:00 8:00-11:00	1:00- 2:55 Silent 7:00-10:00	Silent 6:00- 9:00 8:00-12:00	Silent Silent	Silent Silent 7:30-11:00	Silent	Silent Silent Silent	WOS	JeffersonCity, M Atlantic City, N	.J. 299
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CZE	Mexico City, Mex.	350	8:24- 9:24	Silent	8:24-9:24	8:24- 9:24 5:30-11:35	8:24- 9:24 5:30- 8:55	8:24-9:24 5:30-11:00	8:24- 9:24	WREO	Lansing, Mich Richmond, Va	25
KDKA	Pittsburgh, Pa Lincoln, Nebr Beaument, Tex	309.1 340.7 315.6	5:30- 8:55 5:30- 2:00 Silent	3:00-7:45 4:00-11:00 8:00-9:00	5:30-8:55 5:30-10:30 Silent	5:30-10:30 8:00-10:00	5:30-10:30 Silent	Silent	5:30-10:30 8:00-10:00	WRW	Tarrytown, N.Y. Cincinnati, Ohio	325
KFDM KFH KFI	Wighita, Kan Los Angeles, Cal	267.7 467	7:00- 8:00 8:00- 5:00	7:15- 8:15 6:00- 1:00		7:00- 8:00 8:00- 1:00	7:00- 8:00 8:00- 1:00	7:00- 8:00 8:00- 1:00	7:00-8:00	WSBC	Atlanta, Ga Chicago, III	209
KFJF KFKX	Okla. City, Okla Hastings, Nebr	260.7 288.3	6:00- 1:30 5:30- 6:30	2:30-11:45 Silent	6:00-10:45 5:30-11:00	6:00-10:45 5:30- 8:00	6:00-10:45 5:30-11:00	6:00-10:45 5:30- 8:00	6:00-10:45	WSMB	Nashville, Tenn. New Orleans, La	ı 31
KFMX KFNF	Northfield, Minn Shenandoah, Ia	336.9 263	Silent 7:00-12:00	7:00-8:00 2:30-8:30	Silent 7:00- 9:00	9:30-10:00 7:00- 9:00	9:00-10:00 7:00- 9:00		10:00-11:00	WSUI WSWS WTAG	Iowa City, Iowa Chicago, III Worcester, Mass	275
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KFQB KFRU	Fort Worth, Tex. Columbia, Mo	508.2 499.7	8:30- 9:30 Silent	3:00 - 8:30 7:30 - 8:30	8:30- 9:30 6:15- 7:15	8:30- 9:30 6:15- 7:15	Silent 9:00-11:30	8:30-9:30			Detroit, Mich	352
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WENR WFAA	Chicago, Ill Dallas, Texas		5:00- 1:00 6:30-12:00	1:00-11:00	Silent	5:00- 9:00 6:30-12:00	6:00- 1:00 Silent	5:00- 9:00 6:30- 9:30	5:00-1:00	Pedro	. California,	, oft
WFBH WF1	New York, N.Y Philadelphia, Pa	272.6	9:30-12:00 4:30-10:00	3:00-6:00 2:30-3:30	9:30-12:00	9:30-12:00 4:30- 9:30	9:30-12:00 5:00- 6:00	9:30-12:00 4:30- 9:00	9:30-12:00		ese broadca l program i	
WGBF WGBS	Evansville, Ind New York, N.Y	236.1 315.6	Sllent 4:00- 9:30	Silent 6:00-7:00		7:15-10:00 4:00-9:30	Silent 4:00-6:30	Silent 4:00- 6:45	7:00-8:00		o him from report he se	
WGBU WGCP	Fulford, Fla New York, N.Y	278 252	5:30-12:00 6:30-10:00	1:00- 4:00	7:00-9:30	5:30-12:00 Silent	5:30-12:00 5:00- 7:15	5:30-12:00 8:30-11:00	5:00-7:10		rith exchang music, lect	
WGES	Clearwater, Fla	250	4:00-12:00 5:30-12:00	4:00- 1:00 Silent	5:30-12:00		4:00-12:00 5:30-12:00	4:00-12:00 5:30-12:00	5:30-12:00	other	lecture, and followed by	at or
WGHP WGN	Detroit, Mich Chicago, III		Silent 5:55-10:00		5:00-12:00 Silent	5:55-10:00	5:00-12:00 5:55-10:00	5:00-12:00 5:55-10:00	5:55-10:00	hour,	Japanese e	class
WGR WGY	Buffalo, N. Y Schenectady, N.Y.	379.5	8ilent 4:30- 9:30		5:30-8:00	4:30- 7:00 5:45- 9:00	4:80-10 9 0 5:85- 8:05	4:30-8:00 5:45-10:30	5:00-10:00	man,	and classic French and	Italia
WHAD WHAD WHAR	Madison, Wis Milwaukee, Wis AtlanticCity, N.J.	275.1	Silent Silent 5:30-7:00	Silent 3:15- 4:15 5:50- 8:00	8:00-9:00 6:15-10:00 5:30-10:00	Silent 6:15- 7:00 5:30- 7:00	8:00- 9:00 6:15-12:30	Silent 6:15-7:00 5:30-10:00			Radio is to grant the second of the second is the second of the second o	
WHAS	Louisville, Ky Troy, N.Y		7:30- 9:00 Silent		Silent 8:00-11:00	7:30- 9:30 Silent	Silent 7:30-9:00 Silent		7:30- 9:00 Sllent		iused a fallii n attendance	
WHB	Kansas City, Mo New York, N.Y	365.6 361.2	Silent	8:00-1:00 1:00-10:30	7:00- 8:00 4:30-10:30	7:00-10:00	7:00- 8:00	7:00-10:00	7:00- 8:00	are m	aking the uti ted there wi	most
WHO WHT	Des Moines, Ia Chicago, III	526 399.8	Silent Silent 6:00-12:00	5:00-12:00			4:00-11:00 6:00-12:00 6:00-12:00	4:00-11:00 7:30-12:00 6:00-12:00	7:30-12:00	before	a second an	nnive
	Chicago, III Philadelphia, Pa	226 508.2	5:00- 7:00 4:05-10:05		Silent 4:05- 6:00	5:00-1:00	5:00-11:00 4:05-6:00	5:00-1:00 4:05-10:00	5:00-1:00	utilize	the Radio	to ed
WJAR WJAS	Providence, R. I Pittsburgh, Pa	305.9 275.3	Silent 6:00-11:00	5:20- 8:15 Silent	5:45-9:00 6:00-11:00		5:30- 9:00 6:00- 1:00	5:45- 9:00 6:00-11:00	6:00-10:00 6:00-11:00	be doi	e of the hi	
WJAX	Jacksonville, Fla Chicago, III	336.9 329.5	7:00-9:00 Silent	6:30- 7:30 Silent	7:00- 9:00 Silent	7:00-11:00 Silent	7:00- 9:00 Silent	7:00-11:00 10:00-12:00	7:00- 9:00 Silent	ton?	-	
MILM	Mooseheart, 111, Pontiae, Mich	370.2 516.9	4:30-12:00 6:00-11:30	2:00- 3:00 Silent	Silent 6:00-11:30		4:30-12:00 6:00-11:00	4:30-12:00 6:00-10:00	6:00-9:30	мы	LE. DES	CR
WJZ WKAQ	New York, N.Y San Juan, P. R	454.3 340.7	5:00- 8:25 Silent	12:30- 9:00 Silent	5:00- 9:45 6:30- 8:00	5:30- 9:45 Silent	5:00- 9:45 6:00- 8:00	5:00-10:00 Silent	5:00-10:00 6:00- 8:00		(Continue	
WKRC	Lansing, Mich Cincinnati, Ohio	422.3		Silent 4:45-10:15	6:15- 8:00 4:00-11:00	6:00-7:00 8:00-10:45	6:00- 8:00 4:00-11:00	6:00-7:00 8:00-10:15	6:15- 8:00 Silent		over Radio a	
WLIB WLIT	Chicago, III Philadelphia, Pa	394.5	6:00-11:30 5:30-6:30	4:30-6:00	Silent 6:15- 8:45		6:00-11:30 6:00- 9:00	6:00-11:30 5:30- 6:30	7:30-11:00	over	to the bes' k	happ
WL8 WLW	Cincinnati, Ohio	422.3	6:00- 9:00	3:00- 8:30	Silent 6:00-10:00		5:40-12:00 6:00-11:00	5:40- 6:55 6:00-12:15	Silent	"Th	hat started i en Monsieur	r Car
WLWL	New York, N.Y Lockport, N.Y	265.5		5:00- 6:00 5:30- 6:30	6:00- 8:00 5:30- 9:00	Silent 4:15- 5:15		6:00- 8:00 5:15- 6:00	Silent	ple c	ome see Qu When they	iebec
WMAZ	Chicago, III Macon, Ga Chicago, III	260.7	5:00- 9:00 Silent	Silent Silent		5:00-8:55 7:00-8:00	10:00-11:00		7:00-10:00	he tel	ls how quai	int, h
WMBF	Miami Beach, Fla Memphis, Tenn	384.4	6:00-12:00	Silont	6:00-12:00	6:00-12:00	6:00-12:00 Silent	7 - 15 - 9 : 45	6:00-12:00 7:15-12:00	bos F	rench an' E	Englis
•	York,	340.	7:00-11:00 4:00- 9:00	5:00- 8:00 1:15- 6:45	7:00-10:00 4:30- 8:45	6:00-10:00 4:00- 7:00	7:00-10:00 4:00- 8:00	7:00-10:00 4:00- 7:00	6:00- 9:45 4:00- 9:00	Mad	see. lemoiselle Be s for a mome	oudo
	ork		*5:00- 8:30	7:00- 9:00	5:85- 8:30	5:10- 9:30	5:30- 8:30	5:30- 8:30	5:30-8:30	gloves	s ior a mome	ent.

Cati	Location	Met.	Saturday	Sunday	Monday	Tuesday	Wednesday	Thursday	Friday
WOAI	San Antonio, Tex	394.5	Silent	7:30-10:30	Silent	8:30-10:30	8:30- 9:30	Silent	8:30- 9:30
WOAN	Lawrenceb'g, Tenn	282.8	Silent	9:00-10:00	9:00- 1:30	9:00-10:00	9:00-10:00	9:00-10:00	9:00-10:00
WOAW	Omaha, Nebr	526	6:00-12:00	6:00-9:00	6:00-11:00	6:00-1:00	Silent	6:00-1:00	6:00-11:15
WOAX	Trenton, N. J	240	Silent	7:30-9:30	Silent	Silent	Silent	Silent	Silent
WOC	Davenport, Iowa		9:00-10:00	6:30-11:30	Silent	6:00-10:00	6:00-10:30	6:00-12:00	7:30-11:00
10W	Ames, Ia	270.1	Silent	Silent	Silent	Silent	Silent	7:05- 8:30	Silent
WOK	Homewood, III	217.3	9:00-12:00	6:00-12:00	Silent	9:00-12:30	9:00-12:30	9:00-12:30	9:00-12:30
W00	Philadelphia, Pa	508.2	5:30-6:30	4:00-5:00	5:30-10:00	5:30-6:30	5:30-9:30	5:30-6:30	5:30-9:30
WOOD	Grand Rpds, Mich.		9:00-12:00	Silent	9:00-1:00	9:00-12:00	9:00-12:00	Silent	9:00-12:00
woq_	Kansas City, Mo	278	8:00-11:00	7:00-7:45	Silent	8:00-9:00	Silent	7:00-9:00	Silent
WOR	Newark, N. J		4:15-10:00	Silent	4:15-10:00	4:15-6:00	4:15- 9:30	4:15-6:20	4:15- 6:00
WORD	Batavia, III	275	6:00-9:25	1:30-9:00	Silent	6:00-11:45	6:00-11:00	7:00-9:00	6:00-11:45
Wos	JeffersonCity, Mo.	440.9	Silent	5:00-8:30		Silent	8:00-10:00	Silent	8:00-10:00
WPG	Atlantic City, N.J.		4:45-10:00	1:15-9:00		4:45-10:00	Silent	4:45-10:00	4:45-10:00
MØ1	Chicago, III	447.5	6:00-2:00	2:00-9:00		6:00-1:00		6:00-1:00	6:00-1:00
WRC	Washington, D.C.	468.5	6:00-11:00	Silent	Silent	6:00-10:30		6:00-11:30	Silent
WREO	Lansing, Mich	285.5	5:00-11:00	6:00- 7:00		5:00-8:15		5:30-11:30	Silent
WRVA	Richmond, Va	256	Silent	Silent		10:00-12:00		7:00-10:00	6:00-10:00
WRW	Tarrytown, N.Y	273	6:00- 9:30	6:00-9:30	7:00-9:30	7:00-9:30	7:00-9:30	7:00- 9:36	7:00-9:30
WSAI	Cincinnati, Ohio	325.9	6:00-11:00	6:45-8:15	9:00-11:00	5:00- 9:00	5:45-10:15	6:00-9:00	Sllent
WSB	Atlanta, Ga		8:00-12:00	7:30- 9:15	8:00-12:00	8:00-12:00	10:45-12:00	8:00-12:00	8:00-12:00
WSBC	Chicago, Ili		5:30- 3:00	5:30-12:00	5:30-6:00	5:30-12:00	5:30-12:00	5:30-12:00	5:30-12:00
WSM	Nashville, Tenn	282.2	7:00-11:00	7:30-9:00	7:00-9:00	7:45- 9:00	7:00-11:00	Silent	7:00-11:00
WSMB	New Orleans, La	319	9:30-11:30	Silent	9:30-11:30	Silent	9:30-11:30	9:30-11:30	Silent
WSUI	lowa City, lowa	483.6	Sllent	9:15- 9:45		Silent	7:45-8:45	Silent	Silent
wsws	Chicago, III	275.1	5:00-10:00	5:00-10:00	Silent	5:00-10:00	5:00-10:00	5:00-11:00	5:00-11:00
WTAG	Worcester, Mass	268	Silent	2:00- 8:15	5:00-9:00	5:45-9:00	5:40- 9:00	6:00-9:00	6:15-8:30
WTAM	Cleveland, Ohio	389.4	5:00-11:00	Silent	5:00-12:00	5:00-6:00	5:00-12:00	5:00-6:00	5:00-6:00
WTIC	Hartford, Conn	475.9	5:30-11:00	4:00-9:30	5:50-11:00	Silent	5:30-9:30	5:30-6:30	5:30-11:00
MM1	Detroit, Mich	352.7 l	Silent	1:00-8:15	5:00- 9:00	5:00- 7:00	5:00- 9:00	5:00-11:30	5:00-9:00

STATIONS IN ORDER OF WAVE LENGTHS

Meters Call	Meters Call	Meters Call	Meters Call	Meters Call	Meters Call
209.7 WSBC	263 WBPI		336.9 WJAX	394.5 WOAI	468.5 WRC
217.3 WOK	265.6 WMAK	285.5 WREO			475.9 WBAP
222 WCOA	266 WBCN	288.3 KFKX		399.8 WHT	475.9 WTIC
226 KFWI	266 WGHB	288.3 WLWL	340.7 WMCA	400 PWX	475.9 WFAA
226 WBBM		293.9 KTBI		405.2 KHJ	480 CYL
226 WIBO	268 WTAG	293.9 WAIU		405.2 WOR	483.6 WOC
229 KMMJ		293.9 WEAO	348.6 KOB	406 WBAR	483.6 WSUI
232.4 KFON	270.1 WGHP	296.9 KPRC	348.6 KWSC	410.7 CKAC	491.5 KGW
236.1 WGBF	270.1 WOI	299.8 KUOA			491.5 WEAF
240 KFVE	272.3 KWKH	299.8 KSL	350 CZE		499.7 KFRU
240 KTAB	272.6 WBBR	299.8 WPG			
240 WDBO	272.6 WEBJ	302.8 WGN		422.3 WKRC	502.8 KFQB
240 WOAX	272.6 WFBH	302.8 WLIB	356.9 CKCL		
242 KSO	273 WRW	305.9 KTCL		428.3 KPO	508.2 WIP
242 WOOD	275.1 WHAD	305.9 WJAR			508.2 WOO
244 WAMD	275.1 WHAR			434.5 CFCN	516.9 CJCA
246 WBAL		315.6 KFDM			
250 KFXF	275.1 WSWS	315.6 KPSN		435 AT9	
250 WGES	275.3 WJAS	315.6 WAHG			526 WHO
250 WMBB	278 KOIL	315.6 WGBS			526 WNYC
252 KFWB	278 KWW G	319 WGR			
252 KMA	278 WCAU	319 WSMB			
252 WGCP	278 WGBU	322.4 KOA	379.5 WHAZ		
256 WRVA	278 WOQ	325.9 WSAI			
258 WADC		329.5 KWKH			545.1 KSD
260.7 KFWA	280.2 WNAC	329.5 WJAZ			
260.7 KFJF	282.8 WOAN		389.4 WTAM		
260.7 WMAZ	282.8 WSM	336.9 KNX			
263 KFNF	285.5 WEMC	336.9 KFMX	394.5 WLIT	468.5 WCAP	

SERVICE IS KOAC'S AIM

(Continued from page 4)

band, Madrigal club and orchestra. Sports are broadcast from the field of action by W. L. Kadderly, official program director and announcer.

and announcer.

And do the people of the state appreciate this college via air? The answer is in the enormous sacks of mail from the listening student body. They write for confirming data to the notes taken during the lectures, for additional information, for any and all kinds of information pertaining to Oregon. And there are of course, innumerable letters of just pure gratitude for being able to glean such gratitude for being able to glean such intellectual growth through Radio as it is employed by Oregon Agricultural College to actually make science of service.

RADIO IN MIKADO LAND

(Continued from page 5)

J. Moskovita, 1121 S. Meyler street, San J. Moskovita, 1121 S. Meyler street, San Pedro, California, often listens to the Japanese broadcasting and sends us a typical program from JOBK, which was sent to him from Osaka in confirmation of a report he sent to Japan. It starts out with exchange quotations, stock reports, music, lecture, news report, another lecture, and at one o'clock there was opera followed by a fairy story, children's hour, Japanese classical music, Radio

hour, Japanese classical music, Radio drama and classical selections from German, French and Italian composers.

Yes, Radio is new in Japan, but the moving picture theaters complain that it has caused a falling off of twenty-five per cent in attendance. Those who have sets are making the utmost use of them. It is are making the utmost use of them. It is predicted there will be a million listeners before a second anniversary rolls around. And then what? Will Japan continue to utilize the Radio to educate and promote culture of the highest type or will she be doing the next thing after the Charles-

MLLE. DESCRIBES CKAC

(Continued from page 6)

hear over Radio and that CKAC gives a prize to the bes' band. All the people all over Quebec ver' happy 'bout the bands and that started making Radio populaire.

"Then Monsieur Cartler asks lots people come see Quebec in automobile en tour. When they hear heem on Radio an' he tells how quaint, how interest Moan-ray-al with its ol' fashion customs and bos French an' English ways everybody

"It must be very cold in Quebec," I

"It must be very cold in Quebec," I remarked glancing at her furs.
"Sometimes col', yes. But Monsieur Cartier say you people have entirely wrong notion. We have very won'erful countree in Quebec. We do not have what you call 'iceclaize' on the end of our noses, no, nevaire. Come and see sometime for yoursel'."

For nearly an hour she sat, telling of Jacques Cartier and his station. She told

For nearly an hour she sat, telling of Jacques Cartier and his station. She told of the Chicago newspaper man, J. P. Callaghan, who came to La Presse to work with the news dealers, building up and extending circulation, a rather cold and unsentimental job. He became interested in CKAC and now he puts in an hour every day telling Mother Goose rhymes and entertaining the kiddies.

She told of the wonderful concerts by the Capitol Theater Symphony orchestra, of Raoul Duquette and his Windsor Hotel Concert orchestra, of the great opera singers, of the splendid assistance given to Cartier by other members of the staff,

singers, of the splendid assistance given to Cartier by other members of the staff, Arthur Dupont, Adrien Arcand, Leonard Spencer and A. Lebeau.

"An' so many, many letters from all over the United States as well as Canada," she said, drawing on her gloves. "We even have one from the White House in Washington."

Suddenly she was standing. She put a

In Washington."

Suddenly she was standing. She put a picture of a band on my desk without telling me what band it was. She had picked up the various other pictures, telling me about each individual.

"Now I must go," she said, "I doan know what you say but please give us a nice story. Mr. Cartier he work ver' hard an' we have such a won'erful station we wan' everybody to listen' who has nevair heard it."

I saw Dave standing at the door, as I saw Dave standing at the door, as she flitted by—and, I think she smiled a little at him. His color seemed to take on a rosy hue. And the story? Well, there isn't any story, except just to tell the things she said as nearly as I can remember how she said it. And Dave? Say he's been tuning in CKAC every night that he could get them. Yesterday he that he could get them. Yesterday he told me he thought he recognized her voice and she was singing French but he doesn't understand French. He's planning to go up that way for his vacation this summer.

2LO Star to Movies

LONDON, England.—John Henry, 2LO's leading humorist, has become a movie star. The adventures he so drolly describes before the mike are now being put on the screen by Gaumonts. The ome see."

Mademoiselle Boudouin toyed with her loves for a moment.

The first three pictures will be known as "How I Began," "Listening In," and "The Loud Speaker."

RHUBARB AND CRUMB **CAKES NOW POPULAR**

HELENHARRINGTON DOWN-ING GIVES TWO RECIPES

WQJ Day Program Chief Tells How Kitchen Fans' Taste Varies According to Season

By Helen Harrington Downing Director of Day Programs at WQJ

HAVE been asked frequently which of HAVE been asked frequently which of the recipes I have broadcast was the most popular with our invisible audience. It would be quite difficult to answer that truthfully as we have new fans listening each day. Many want to take down a recipe at the time it is given, but are interrupted and have to leave their Radio. Occasionally they do not think of that specific recipe again until they may want to use it, then they write us as late as a month or two afterwards requesting it.

For a while we thought, from the number of requests we had for it, everyone must be serving Ice Box Cake daily, but again we decided that Upside Down or Topsy-Turvy Cake was the popular des-

Demand Is Changing

Booth seem to have had their day as far as the Radio audience is concerned and at present "Household Helps," "Shortcake Recipes" and "Meals for House Cleaning Week" are holding the lead. "Spring Vegetables and New Ways of Preparing Them" always comes in for its share of conclusivity too. at this season.

popularity, too, at this season.

While Ice Box Cakes are most popular in the fall and Upside Down Cakes during the winter, cakes of various kinds are re-quested regularly. Crumb Cake and the new Rhubarb Cake recipe right now are pleasing those who a year back were asking for others.

As rhubarb is plentiful and popular right now possibly these recipes will interest readers of Radio Digest who have not previously tried them. The directions are as follows:

Rhubarb Cake

Required: 1 cup brown sugar; 1½ cups rhubarb sweetened (cooked); 1 level teaspoon soda; 1 cup raisins; 1 cup chopped nuts (walnuts or others); ½ cup butter; of the static. Herewith are some votes and telegrams at the end of each selection from their station.

Tonight, over WBAP, the Hired Hand announced that he had withdrawn from

HERE'S WHERE WQJ TRIES RECIPES



This is a corner of the model kitchen of the Calumet Baking Powder company whose recipes are broadcast daily by Helen Harrington Downing over WQJ, Chicago.

2 1/3 cups flour: 1 teaspoon each cinnamon,

cloves and nutmeg; I level teaspoon Calumet Baking Powder.

Method: Cream sugar and shortening.

Add spices. Add flour with soda, and baking powder sifted in. Throw the nuts and raisins on to the dry flour. Mix all very thoroughly together. Lastly add thoroughly together. Lastly add

Be careful to have a stiff batter. Bake in a loaf pan in a slow oven. This cake may be warmed and used as a pudding with hard sauce.

Crumb Cake

Required: 2½ cups flour, ½ cup butter and 2 cups brown sugar. Mix these well together; take out ¾ cup mixture for top. Also required: 1 egg; ¾ cup milk; 2½ teaspoon Calumet Baking Powder; 1 teaspoon cinnamon.

Method: Reat hard until the batter is

Method: Beat hard until the batter is smooth. Pour into greased pan (8 x 8 x 2 inches). Sprinkle the crumb mixture over the top. Bake in a moderate oven 325 degrees Fahrenheit for 20 minutes, then 340 degrees for 20 minutes.

for my favorite announcer. Please give him credit for them.—H. L. Joyner, Greenville, N. C.

I have a little "spiel" if proper, I should like to be permitted to air same through your valuable columns. As a start, I wish to say that I like most of our genial and hard working announcers, with the exception of those that read their letters, calls, and talegrams at the end of each solection.

the Radio Digest Gold Cup race, that he had written Radio Digest who absolutely refused to withdraw his name, and gave as his reasons for withdrawing, that he had only "placed" in '24 and '25 and could not

only "placed" in '24 and '25 and could not believe that he could win this year.

Modest man. I agree with the Editor of Radio Digest. I refuse to have his name withdrawn, and ask all our good friends of Radio to "let's put him over" for the simple reason that the Hired Hand is the lycalds' most colorful approprier says what

simple reason that the Hired Hand is the worlds' most colorful announcer, says what he means and means what he says, and does not take all night to say the same. For example, I listened to the Hired Hand at the Fort Worth Fat Stock show this year. The event was judging of the saddle horse class. It took the judges over fifty minutes to announce the winners, and for fifty minutes I kept my dials on Fort Worth and listened to the Hired on Fort Worth and listened to the Hired Hand's descriptive efforts. Think it over, if that does not prove he's a World's Champion, what'll you have? Let's make him Gold Cup Announcer for 1926.—W. J. E., Lindale, Texas.

The Judges Seem to Agree
I am writing to inform you that I have
received word that I was successful in
winning the Radio World's Fair international reception contest. In this case I won a medal which will be presented September 16, during the Radio World's Fair.

I thought you might be interested in this as I was also second prize winner in your International Radio Week reception contest.—H. Leadbetter, New York, N. Y.

Concerning A.F.D. and R.A.V.

Concerning A.F.D.'s reception test period, I wish to say that I believe this is a good idea and would like to see some stations start it.

R.A.V. of Lafayette, Ind., reports that he received KFJR, Stevensville, Mont., on December 12, 1923, when they were using 5-watts power. Does R.A.V. believe that were KFJR still located at Stevens-ville and broadcasting with 5 watts he could receive them under present condi-

I doubt if it could be done now .-- W.I.G., Chicago, Ill.

Working People's Hour

I have charge of the Radio department of a local factory and have received many complaints from listeners because of the fact that the better entertainment comes so late in the evening that they lose much

(Continued on page 29)

The Reader's View

Likes New Issues

As a regular reader of your magazine I As a regular reader of your magazine I want to congratulate you on your new issue, and heartily endorse your plan to issue it twice a month instead of every week. I think you have the best magazine on the market.

Rah! for the Hired Hand

WOMEN'S PROGRAMS INDEX

Atlantic Eastern Central Mountain Pacific 10 a.m. 9 8 7 6 6 W1P (508.2m-590kc), Menu, Anna Scott. 10 30 9.30 8.30 7.30 6.30 WWJ (352.7m-850ko), Tonight's dinner. 11 10 9 8 7 KDKA (309.1m-970kc), Domestic Science. Arts for the Housewife. 12 n. 11 10 9 8 7 KDKA (389.9m-1020kc), Housekeepers' half hour. WEAR (389.4m-770kc), Home service talk. WHT (389.8m-750kc), Women's club, Jean Sargent. WMCA (340.7m-880kc), Home Makers' club. WGA (447.5m-670kc), June 1, "The Large Hat." "Yeactlon Clothes." 12.30 p.m. 11:30 10:30 9:30 8:30 Tuesday Vacation Ciotnes.

12:30 p.m. 11:30 10:30 9:30 8:30

WEBH (370.2m-810kc), Fashion and household talks WEBH (517.4m-1030s), June 1, "What Shall the Children Do in Summer?" "Plenic Lunches."
WGN (302.8m-900kc), Home Management period.
2 1 12 n. 11 10
KGW (491.5m-610kc), Household Helps, shopping Style talk.

WGBF (236.1m-1270kc), Garden talk.

4 3 2 1 12 n.

WIP (508.2m-590kc), Menu talk.

WJZ (434.3m-660kc), "Your Daily Menu," Mrs.

J. Heath.

4:15 3:15 2:15 1:15 12:15

WHO (526m-370kc), Recipes, household hints.

4:30 3:30 2:30 1:30 12:30

WLIT (394.5m-760kc), Household helps and hints.

5 4 3 2 1

WOC (483.6m-620kc), Home management schedule.

6 5 4 3 2

KMOX (280.2m-1070kc), Housewives' hour.

6:30 5:30 4:30 3:30 2:30

KOA (322.4m-930kc), Housewives' matinee.

7:15 6:15 5:15 KOA (322.4m-930kc), Culinary hints, Clara Hoover.

7:45 6:45 5:45 4:45 3:45

WPG (299.8m-1000kc), Fashion Flashes.

9:30 8:30 7:30 6:30 5:30

KOO (361.2m-830kc), As a Woman Thinketh.

Wednesday

Wednesday

Atlantie Eastern Central Mountain 6:30

10:30 a. m. 9:30 8:30 7:30 6:30

WWJ (352.7m-850kc), Tonight's dinner.

10:45 9:45 8:45 7:45 6:45

WTAG (268m-1120kc), Talk to Housewives, Mrs.

Lydia Flanders.

12 n. 1 10 9 8

WEAO (293.9m-1020kc), Housekeepers' half hour.

WHT (399.8m-750kc), Women's club, Jean Sargent.

WQJ (447.5m-670kc), Home Geonomics program.

June 2, Child Welfare talk, "Careers for Women." Bish dinner menu for Friday.

12:30 p.m. 11:30 10:30 9:30 8:30

WEBH (370.2m-810ke), Fashion and Household talks.

talks.
WGBF (236.1m-1270ke), Cooking instructions.
WGN (302.8m-990ke), Household management
period. period. 1:35 10:35 9:35 8:35 KYW (535.4m-560kc), Table talk. 1:45 12:45 (1:45 10:45 9:45 KGW (491.5m-610kc) Household Helps, shopping Atlantic Eastern Central Mountain 2:20p.m. 12:20 11:20 10:20 WGBF (238.1m-1270kc), Garden talk. 2:45 1:45 12:45 11:45 10:45 10:45 12:45 11:45 10:45 10:45 12:45 11:45 10

Thursday

 Atlantic
 Eastern Central Mountain
 Pacific

 10:30 a.m. 9:30
 8:30
 7:30
 6:30

 WWJ (352.7m-850ke), Tonlight's dinner.
 10:45
 9:45
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 7:45
 6:45

 WTAG (288m-1120ke), Marjorie Woodman, nurse.
 Woodman, nurse.
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 11 10 9 8 7 WEAF (491.5m-610kc), Talks, cookery lecture. 11:50 10:50 9:50 8:50 7:50 WMC (499.7m-600ke), Home economics discussion, Miss Kitty.

MISS ALUY,

12 n. 1

10

9 8

WEAO (293.9m-1020kc), Housekeepers' half hour.

WEAR (389.4m-770ke), Home service talk.

WHT (399.4m-750kc), Women's club, Jean Sargent.

WMCA (340.7m-880ke), Food bureau program.

WQ1 (447.5m-670kc), June 3, "Salads and Sandwiches." "The Care of Your Feet." "Summer Specials."

12:30 p.m. 11:30 10:30 9:30 8:30 WEBH (370.2m-810kc) Househould and fashion talks. WGN (302.8m-990kc), Home Management period. "Food for Camping." 12:35 11:35 10:35 9:35

KYW (535.4m-560kc) Table talks.

2 1 2n. 11

KGW (491.5m-610kc), Household helps.

2:20 p. m. 1:20 12:20 11:20

WGBF (236.1m-1270kc) Garden talk. 10:20

2:45 1:45 12:45 11:45 WQJ (447.5m-670kc), Home Economics. "Shoes." "Hearty Salads." 4 3 2 1 * WJZ (454.3m-660kc), Your Daily Menu. 4:15 3:15 2:15 1:15 12:15 WJZ (454.3m-660ke) "Wall Paper, Room by Room," A. Fillebroun. WOC (483.6m-620ke) Home management schedule, WWJ (352-7m-850kc) Tonight's dinner.

11 10 9 8 7

KDKA (309.1m-970kc) Domestic science and Arts for the Housewife.

12 n. 11 10 9 8

WEAO (293.9m-1020kc) Housekeepers' half hour.
WHT (399.8m-750kc) Women's hour, Jean Sargent.
WGJ (447.5m-670kc), Sunday dinner menu. 12:15 p.m. 11:15 10:15 9:15 8:15 KYW (385-m-560kc) Meat talk. 12:30 11:30 10:30 9:30 8:30 WDRH (370.2m-810kc) Household and fashion talks.
WGBF (236.1m-1270ke), Cooking instructions.
WGN (302.8m-990ke), Home Management period. | 12.35 | 11.35 | 10.35 | 9.35 | 8.35 | 12.35 | 11.35 | 10.35 | 9.35 | 8.35 | 12.45 | 12.45 | 11.45 | 10.45 | 9.45 | 12.45 | 11.45 | 10.45 | 9.45 | 12.45 | 11.45 | 10.45 | 12.45 | 11.45 | 10.45 | 12.45 | 11.45 | 10.45 | 10.45 | 10.45 | 10.45 | 10.45 | 10.45 | 10.45 | 10.45 | 10.45 | 10.45 | 10.45 | 10.45 | 10.45 | 10.45 | 10.45 | 10.45 | 10.45 | 10.45 | 10.45 | 10.45 | 10.45 | 10.45 | 10.45 | 10.45 | 10.45 | 10.45 | 10.45 | 10.45 | 10.45 | 10.45 | 10.45 | 10.45 | 10.45 | 10.45 | 10.45 | 10.45 | 10.45 | 10.45 | 10.45 | 10.45 | 10.45 | 10.45 | 10.45 | 10.45 | 10.45 | 10.45 | 10.45 | 10.45 | 10.45 | 10.45 | 10.45 | 10.45 | 10.45 | 10.45 | 10.45 | 10.45 | 10.45 | 10.45 | 10.45 | 10.45 | 10.45 | 10.45 | 10.45 | 10.45 | 10.45 | 10.45 | 10.45 | 10.45 | 10.45 | 10.45 | 10.45 | 10.45 | 10.45 | 10.45 | 10.45 | 10.45 | 10.45 | 10.45 | 10.45 | 10.45 | 10.45 | 10.45 | 10.45 | 10.45 | 10.45 | 10.45 | 10.45 | 10.45 | 10.45 | 10.45 | 10.45 | 10.45 | 10.45 | 10.45 | 10.45 | 10.45 | 10.45 | 10.45 | 10.45 | 10.45 | 10.45 | 10.45 | 10.45 | 10.45 | 10.45 | 10.45 | 10.45 | 10.45 | 10.45 | 10.45 | 10.45 | 10.45 | 10.45 | 10.45 | 10.45 | 10.45 | 10.45 | 10.45 | 10.45 | 10.45 | 10.45 | 10.45 | 10.45 | 10.45 | 10.45 | 10.45 | 10.45 | 10.45 | 10.45 | 10.45 | 10.45 | 10.45 | 10.45 | 10.45 | 10.45 | 10.45 | 10.45 | 10.45 | 10.45 | 10.45 | 10.45 | 10.45 | 10.45 | 10.45 | 10.45 | 10.45 | 10.45 | 10.45 | 10.45 | 10.45 | 10.45 | 10.45 | 10.45 | 10.45 | 10.45 | 10.45 | 10.45 | 10.45 | 10.45 | 10.45 | 10.45 | 10.45 | 10.45 | 10.45 | 10.45 | 10.45 | 10.45 | 10.45 | 10.45 | 10.45 | 10.45 | 10.45 | 10.45 | 10.45 | 10.45 | 10.45 | 10.45 | 10.45 | 10.45 | 10.45 | 10.45 | 10.45 | 10.45 | 10.45 | 10.45 | 10.45 | 10.45 | 10.45 | 10.45 | 10.45 | 10.45 | 10.45 | 10.45 | 10.45 | 10.45 | 10.45 | 10.45 | 10.45 | 10.45 | 10.45 | 10.45 | 10.45 | 10.45 | 10.45 | 10.45 | 10.45 | 10.45 | 10.45 | 10.45 | 10.45 | 10.45 | 10.45 | 10.45 | 10.45 | 10.45 | 10.45 | 10.45 | 10.45 | 10.45 | 10.45 | 10.45 | 10.45 | 10.45 | 10.45 | 10.45 | 10.45 | 10.45 | 10.45 | 10.45 | 10 menu.
WQJ (447.5m-670kc), Home Economics.
4 3 2 1 12 n.
WJZ (454.3m-660kc) "Your Daily Menu," Mrs. J.

Jane.
5:15 4:15 3:15 2:15 1:15
WMAQ (447.5m-670kc)
5:30 4:30 3:30 2:30 1:30
WFAA (475.9m-630kc) Homemakers program.
WMAQ (447.5m-670kc), Folibles of the Momen WMAQ (447.5m-670ke), Foibles of the Moi 6-330 5-330 4-330 3:330 2: KOA (322.4m-930ke) Housewives matinee. 5 7 6 KOA (322.4m-930ke) Fashion review. KOA (322.4m-930kc) Fashion review.
9.45 8.45 7.45 6.45 5.45
WCCO (416.4m-720kc), June 4, "Jelly Making."
11:30 10:30 9:30 8:30 7:30
KMOX (280.2m-1070kc) Housewives' hour.
12:30a.m. 11:30 10:30 9:30 8:30
KWSC (348.6m-860kc), June 4, "The JellIng Power of Apples." June 11, "Well Considered Rest and Sleep."

Saturday Atlantic Eastern Contral Mountain Pacific 10:30 a.m. 9:30 8:30 7:30 6:30 WWJ (352.7m-850kc) Tonight's dinner. 12 n. 11 10 9 8 WEAO (293.9m-1020kc) Housekeepers' half hour. WEAR (389.4m-770ko) Home scrvice talk. guide.

KMA (252m-1190kc), Domestic science topics.
2:20 1:20 12:20 11:20 10:20

WGBF (236.1m-1270kc), Garden talk. 6 4 3 2 5 4 3 2 KMOX (280.2m-1190ke), Housewives' hour.

Atlantic Eastern Central Mountain 6:30

W5 8:30 a.m. 9:30 8:30 Mountain 6:30

W5 W5 (352.7m-850kc), Tonight's dinner.

10:45 9:45 8:45 7:45 6:45

W7AG (268m-1120kc), Marjorie Woodman, nurse.

11:50 10:50 9:50 8:50 7:50

WMC (499.7m-600kc), Home economics discussion,

M1ss Kitty.

12 n. 11

WEAO (293.9m-1020kc), Housekeepers' half hour.

WEAR (389.4m-770kc), Home service talk.

WHT (389.8m-750kc) Women's clob, Jean Sargent.

WGJ (447.5m-670kc), Home Economics program,

Cooking instructions.

WSWS (275.8m-1090kc), Style shop.

12:30 p.m. 11:30 10:30 9:30

WEBH (370.2m-8510kc), Fashion and household talks.

WGBF (236.1m-1270kc), Cooking instructions. Monday WEBH (370.2m-\$10KC), Bashon and rousenoise talks.

WGBF (236.1m-1270kc), Cooking instructions.

WGN (302.8m-990kc), Home Management period.

WTIC (475.9m-630kc), Housewife's forum.

12:35 | 11:35 | 10:35 | 9:35 | 8:35 |

KYW (535.4m-560kc), Table talk.

1:45 | 12:45 | 11:45 | 10:45 | 9:45 |

KGW (491.5m-610kc), Household helps.

2 | 12 n. | 11 | 16 10 10:20 10:45 11:30 4 3 2 1 12n.

WCCO (416.4m-720kc), Women's hour.

WSOE (246m-1220kc), Cooking chats.

WIP (508.2m-500kc), Market hints for housewives.

WIZ (454.3m-660kc), "Your Dally Menu."

4:15 3:15 2:15 1:15 12:15

WJZ (454.3m-660kc), Flower Making course.

4:25 3:25 2:25 1:25 1:25 4:25 3:25 2:25 1:25 12:25 WJZ (454:3m-660kc), Shopping service. 5 4 3 2 1 WOC (483.6m-620kc), Home management schedule, Aunt Jane. 5:15 4:15 3:15 2:15 1:15 KYW (535.4m-560kc), Meat talk, John Cutting.

More Leisure, and Can."

1:15 a.m. 12.15

KGO (361.2m-830k

Home, E. And 10:15 Trainin

NORTH AMERICAN KIWANIS CONVEN

HIGH LIGHTS OF THE AIR

THE FIRST of June brings a change in the personnel of the Nighthawk frolics at Station WDAF. Zez Confrey and his orchestra will take the place of Ted Weems' Victor Beautiful and the state of the state Victor Recording orchestra and will become the musical background for these well-known Radio frolics.

Two refreshing week-end trips may be enjoyed this warm weather by fans tuning in Saturdays, June 5 and June 12, at 10 p.m. Eastern standard time for the Mayflower orchestra programs at WRC. A ship's bell and whistle and the navy song "Anchors Aweigh" will start the cruises into the seas of harmony and rhythm. Edward H. Husing, announcer at WRC, will act as official conductor aboard the Tivoli oxcursions and as pilet for the Mer excursions and as pilot for the Mayflower voyages.

The young writer will be especially interested in the talk Tuesday, June 1, by Nell Sneed, woman's editor of the Kansas City Star. Miss Sneed will let the novice in on the secrets

of running a woman's page.

The mystery of the Himalaya mountains will keep the listener spell-bound who dials for WLIT, Philadelphia, Wednesday, June 2. Colonel Roosevelt, who has recently returned from hunting museum specimens among these snow-covered peaks will

Virginia Flohri and Robert Hurd have combined their talents to form one of the most popular "acts" of Pacific broadcasting. Miss Flohri, who has created an enthusiastic audience during her past three years singing from KFI, and Mr. Hurd, a recent and welcome addition to coast musi-cal circles, discovered, during an impromptu recital in Miss Flohri's home that their voices, soprano and tenor, blended unusually well. The KFI audience, after their first duet recital, responded so heartily that a series of duets was announced. On June 3 the two will present an interesting concert of Schubert, Schumann, Greig and Strauss.

Ninety-eight thousand Kiwanians over the North American continent will be interested in the Radio broad-casting of the 10th Annual International Kiwanis convention on Monday evening, June 7, in Montreal over CHYC. This united simultaneous meeting of the 1,530 clubs on the North American continent will be the third time Kiwanis has synchronized a continent-wide unified expression of international understanding. The Radio, of course, will greatly aid in this opportunity.

Summer is here—the time when canoes glide softly through the moonlight and every young person desires to fit into this romantic atmosphere to best advantage. Dan Nolan, nationally recognized ukulele expert, will furnish just the right accom-plishment. Learn to play this Hawaiian instrument by dialing for WTIC, Wednesday, June 9, Mr. Nolan will tell you just how he does it and how you can do it, too.

Colorado's semicentennial anniversary will be observed over KOA, Denver, Friday evening, June 11, when a special two-hour studio program will be given by the Colorado-Made Goods club under the direction of Mrs. Alvin B. Collins. One of the introductory features will be a "word scenario" on "Cultural Colorado," followed by a group of vocal numbers by the Unity church quartet, primitive Indian music by Dr. Jean Allard Jeancon, curator of archaeology of the Colorado museum and Spanish airs by the ste museum, and Spanish airs by the station orchestra. Songs and readings of Colorado's growth comprise part

Patriotic music marks the end of the programs this issue. Monday, June 14, is Flag Day and all the stations will celebrate with the songs of our Republic.



Tuesday, June 1

Headliners Today Atlantio Esstern Central Mountain Pacific 645 p.m. 5-45 4-45 3-45 2-45 WEAF (99.5m-610kc), Commencement, Columbia university. 7 6 5 4 KFRU (374.8m-800kc), Catrish string band. 8-30 7-30 Greek program. WDAF (365.6m-820kc), Nell Sneed, Women's Editor of Star.

Tuesday, silent night for: CFCA, CHIC, CKNC, CNRC, CNRE, CNRM, CNRO, CNRT, CNRW, KFKX, KFUO, KUOA, KFWA, KOA, KOAC, KOB, KOWH, KUOM, KSAC, KTAB, KWSC, WABQ, WARD, WABD, WBB, WCAL, WCAP, WEMC, WHAZ, WHAZ, WHAZ, WOJZ, WHAZ, WOJ, WOR, WOS, WSMB, WSUI, WTAM, WTIC.

Atlantic or Eastern Daylight Saving

Time Stations

WGAU, Philadelphia, Pa. (277.6m-1080kc), 7:30 p. m.,
N. Snellenburg and company; 8. Carolyn Thomas, soprano; 8:30, Hood Boys; 8:45, Kathryn Fichthorne,
contralto; 9. The Merry Minstrels; 9:30, Roy Tracy,
tenor; 9:45, Chalfont Sisters, songs; 10:10, Jackson and
Ellis, Radio sweethearts; 10:30, Myers' Musical Architacts.

tenor; 9:45, Chalfont Sisters, songs; 10:10, Jackson and Ellis, Radio sweethearts; 10:30, Myers' Musical Architects.

WEAF, New York, N. Y. (491.5m-610kc), 6 p. m., dinner music; 6:45, commencement exercises, Columbia university; 8, Grand Prize Eurekas, WEEL, WFI, KSD, WCAE, WWJ, WCSH, WSAI, WTAG, WGR, WCCO, WCC, WTAM, WJAR, 8:30, Gold Dust Twins, WEEL, WFI, WCAE, WGR, WWJ, WOC, WCSH, WJAR, WCCO, WLIB, WTAM, KSD; 9, Eveready hour, WEEI, WFI, WCAE, WGR, WWJ, WOC, WCSH, WJAR, WCCO, WLIB, WTAM, KSD; 9, Eveready hour, WEEI, WFI, WCAE, WGR, WWJ, WOC, KSD, WJAR, WCCO, WLIB, WTAM, KSD; 9, Eveready hour, WEEI, WFI, WCAE, WGR, WWJ, WOC, KSD, WJAR, WCCO, WLAE, WGR, WWJ, WOC, KSD, WJAR, WCCO, WTAG, WGN, WTAM, WSAI; 10, Redferne Hollinshead, tenor; 10:30, Ben Bernie and his orchestra; 11-12, Buffalodians dance orchestra. WEBJ, New York, N. Y. (272.6m-1109kc), 7 p. m., Dan Barnetts' orchestra; 7:30-7:45, Luna Park program; 8:15, duets, Blanche and Hugh Ramsen; 8:45, Luna Park program.

WEI, Boston, Mass. (348.6m-860kc), 7:30 p. m., Minute Men; 8:11, WESLF.

WFI, Philadelphia, Pa. (394.5m-760kc), 6:30 p. m., Bellevue Stratford concert orchestra; 7, Bellevue Startford dance orchestra; 7:15, talk, Jewish Federation; 2:10:30, WEAF; 10:30, Bellevue Stratford dance orchestra.

chestra.

WGBS, New York, N. Y. (315.6m-950kc), 8:30 p. m.,
Greek program, Near East Relief; 11, Arrowhead Inn Greek program, real Bass 251.5, 2. dance orchestra, wGR, Buffalo, N. Y. (319m-940ke), 6:30 p. m., Vincent Lopez Statler dance orchestra; 8, WEAF, WHAP City, N. J. (275. m-(190ke), 8 p. m.,

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6:30 p. m., l's chateau;

8, Treasureland Neighbors; 9:30, Loew's 85rd Street orchestra; 10, Universal trio; 10:30, Strand Roof orchestra; 11, Barn club orchestra; 11:30, Club Alabam orchestra; 12, Silver Silpper orchestra.

WIP, Philadelphia, Pa. (508.2m-590kc), 6:15 p. m., Benjamin Franklin hotel concert orchestra; 7. Edward Mika, violinist; 8, Sesquicentennial program, Iris Virginia Grubet, soprano; Irene Merrick Rorke, jianist; Triad trio; 10:05, movite talk, Ell M. Orowitz; 10:30, El Patlo dance orchestra.

WIAR, Providence, R. I. (305.9m-980kc), 7:30 p. m., musicale; 8-10, WEAF.

WIZ, New York, N. Y. (454.3m-660kc), 7 p. m., Rrank Dole; 7:15, Hotel Commodore Concert orchestra; 8:30, Deltah Pearl Hour, WGY, WRC; 9, Breyer hour, WRC; 10. "The Grand Tour," WGY, WRC; 10:40, George Olsen's Hotel Pennsylvania Roof orchestra.

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

WMAK, Buffale, N. Y. (265.3m-1300kc), 10:30-11:30

program; 5.10, Commonweal. WMAK, Buffalo, N. Y. (265.3m-1130ke), 10:30-11:30 p. m., Beaver Products Company, WHAM, WFBL

D. m., Beaver Products Company, WHAM, WFBL, WGY, WGY, and his Hotel McAlpin string ensemble; Chorau Haus entertainers; 8:30, California Ramblers; 9:30, Columbia Park entertainers; 9:45, Columbia Park entertainers; 9:45, Columbia Park entertainers; 10:15, McAlpin news editor; 11, Ernie Golden and his Hotel McAlpin newseditor; 12 midnight, McAlpin entertainers.

WOO, Philadelphia, Pa. (508.2m-590ke), 7:30 p. m., Adelphia dinner dance orchestra; 10:40, Millian dinner dance orchestra; 10:40, Millian dinner dance orchestra; 10:40, Millian dinner music; 7:30, Hotel Manbassador dinner music; 8:30, Auction Bridge game; 9, Hotel Traymore concert orchestra; 10, Millian Dollar Pler dance orchestra; 10:30, Hotel Traymore Grill dance orchestra; 11. Silver Slipper Supper club, Eddle McKnight's dance orchestra; Van. McAr; 10:11:30, WeAF.

Eastern Standard or Central Daylight

Eastern Standard or Central Daylight

Eastern Standard or Central Daylight
Saving Time Stations

KDKA, Pittsburgh, Pa. (309.1m-970kc), 5:30 p. m.,
Little symphony orchestra; 7:30, Commencement exercises, Westinghouse Technical Night school; 8:30,
sacred music, First Presbyterlan Church of Pittsburgh
quartet; Little symphony orchestra; 10:35, concert,
Grand theater.

WBAL, Baltimore, Md. (245.8m-1220kc), 6:30-7:30
p. m., WBAL dinner orchestra; 8-9, Hilda Hopkins
Burke, soprano; Cella Brace, violinist; George Bolek,
planist; 9-10, WBAL trio; 10-10:30, WBAL male
quartet; 16:30-11, Frederick D. Weaver, organist.
WBEM, Chicago, Ill. (225.4m-1330kc), 8-12 mid., Alemite orchestra; Moss Covered melodies; Badger Four,
WBL, Springfield, Mass. (333.1m-900kc), 6 p. m., Bob
Patterson's Hotel Kimball trio; 6:33, Louise Bacon,
planist; Kathleen Kent, violinist; Frances Cormier,
cellist; 8, movie club; 9, Angelus quartet.
WCBD, Zion, Ill. (344.5m-870kc), 9 p. m., Zion orchestra; Trombone quartet; Mrs. J. D. Thomas, soprano; M. P. Barton, tenor; Alice Clark, contraito
John Studebaker, clarinetist; Mrs. Blanche Kester,
reader.

WEBH, Chicago, Ill. (370.2m-810kc), 7-8 p. m., Edgewater Beach hotel Oriole orchestra: Kathleen Reskinsyn Forchestra

WEAF; 9-10, "Down the Mississippi," 10:40-11, nusical program, ensemble.
WHT, Chicago, III. (399.8m-750kc), 7 p. m., organ recital, Al Carney; 7:50, Loftis Diamond quartet; 8:45-10:15, (238m-1280kc), Cinderella cafe orchestra; 10.26, (399.8m-750kc), Pat Barnes and Al Carney; 12, U. S. L. half hour of dance music.
WIBO, Chicago, III. (225.4m-1330kc), 6-8 p. m., dinner concert, Chester Newman, baritone; Charlotte Edwards, contraito; Eugene Wallenius; Margaret Cade, so prano; string trio; 12, Ted Fiorito, Dan Russo, Marie Tuily, Wayne Myors, Jack Goodwin, Ray Hibbier, Joe Coffee, Harry Brooker.

Yolanda C. Schaumberger, soprano; 9:20, Edith M. Carrer.

WMBB, Chicage, III. (249.9m.120ke), 7-8 p. m.,
Trianon ensemble; Genevieve Barry Burnham; 9-11;
Trianon orchestra; Joe Warner, Oxford Girls.

WOK, Chicage, III. (217.3m-1380ke), 4:30-6 p. m.,
Capitol theater organ; tenor; string ensemble; 6-7,
Tip Top Inn; 10-1:30 a. m., Tearney's Town club orchestra; Pershing Palace orchestra; Midway Garden
orchestra; Capitol theater program, studio program.

WOOD, Grand Rapids, Mich. (241.8m-1240kc), 9-10
p. m. Ye Olde Tyme Songe Feste, Roy Clark, Sally
Simpkins, Claude Lee, Marian Cusser, Beth Garrison,
Regent Little symphony orchestra; 10-11, Van Wyck
instrumental quartet; Ruth Rolland, Paul and Loren
Van Wyck, Tudor Lanius.

WORD, Batavia, III. (275.m-1090ke), 7 p. m., Bruce
Bell, 7:45, Bible questions; 9, musicale; 11. Public
Service company of Northern Illinois; 11:45, Bible
lecture.

Service company of Northern Illinois; 11:45, Bible lecture.

WQJ, Chicago, Ill. (447.5m-670ke), 7-8 p. m., Rainbo Garden orchestra; 10-2 a. m., Rainbo Garden orchestra; 10-2 a. m., Rainbo Garden orchestra; Jerry Sullivan: Hal Lansing; Bert Davis; Kverett George Opie; Harold Olson, baritone; Ila Shannabrook, soprano; Romo Vincent, boy baritone; Will Rossiter; Johnny Poat, baritone; Tell Taylor, tenor; Ward Purkeyser, tenor.

WRC, Washington, D. C. (468.5m-840ko), 8 p. m., Breyer hour, WJZ; 9, WJZ; 9:30, studio concert; 10:30, Meyer Davis' Swanee syncopators.

WSAI, Gineinath, Ohio (325.9m-920ko), 7 p. m., WEAF; 7:30, concert; 8, WEAF; 9, musicale, WSWS, Chicago, Ill. (275.8m-1090ke), 6 p. m., Zola Haynes, pianist; Vesta Balch, bullads; 8, Jean St. Anne, baritone; Terrace Gardens orchestra; Allee Oliver, violinist; 10. Cook Sisters; Terrace Gardens; John Clark, Art Billquist; Ruby Rossina.

WTAM, Cleveland, Ohio (339.4m-770ko), 6 p. m., State theater vaudeville; 7-10, WEAF; 10, studio program; 11, Collegian screnaders.

WMJ, Detroit, Mich. (352.7m-650ke), 6 p. m., dinner concert; 7, WEAF;

Central Standard Time Stations

KFAB, Lincoln, Nebr. (340,7m.880kc), 5:30-8:30 p. m., Little symphony; 8:05-10:30, University of Nebraska. KFH, Wiehlta, Kans. (267,7m-1120kc), 7 p. m., classical program. KFNF, Shenandoah, Iowa (263m-1140kc), 7 p. m., concert. Somers, Iowa. KLDS, Independence, Mo. (440.9m-680kc), 6:30 p. m., morning devotional service.

cert. Somers, Iowa.

KLDS, Independence, Mo. (440.9m-680kc), 6:30 p. m.,
morning devotional service.

KMA, Shenandah, Iowa (252m-1190kc), 9-11 p. m.,
May's Mandolin Musicians.

KMOX, St. Louis, Mo. (280.2m-1070kc), 6:30 p. m.,
dinner recital, Mrs. Jacque Landree, organist; 8.
banjo trio, orchestra, light opera selections; Herbert

M. Paschen, musical saw soloist; 9, Joe Carlone, Rolf
Gaudard, soloist; 9:30, organ, violin solos; 10, orchestra, classical selections; 11, Rendezvous club, popular
dance music, Al and Bob.

KOIL, Council Bluffs, lowa (277.6m-1080kc), 6:03 p. m.,
Original Ukulele Rag-Pickers; 6:30, Randall's Royal
orchestra; 7:30, Ray Rice, banjoist; Ivan Collen,
planist; Eric Thornton, tenor; 8, Marion Fisher, soprano; Louise Cuyler, violinist; 11, Hotsy-Totsy bour,
KPRC, Houston, Texas (296.9m-1010ko), 7:30 p. m.,
Billie Mack's orchestra; 8:30, Mrs. J. M. Jackson,
soprano; Lavera Pyle, pianist; 9, Edna Adams; Mrs.
E. E. Sawyer, planist,
KSD, St. Louis, Mo. (545.1m-550kc), 6 p. m., WEAF,
KSO, Clarinds, lowa (241.8m-1240kc), 8 p. m., Duncan
Sisters; 8:20, Eurekan Literary society.

KTHS, Hot Springs National Park, Ark. (374.8m-800kc),
9:10-10 p. m., opera gome, New Arlington hotel or

Clyde Foley, tenor; 10-10:30, Whittington orchestra. Fayetteville, Ark. (299.8m-1000kc), 8 p. m.,

KUOA, Fayetteville, Ark. (299.8m-1000kc), 8 p. m., student orchestra. KVOO, Bristow, Okla. (374.8m-800kc), 6-9 p. m., Jimmie Wilson and his Catfish string band. KYW. Chieago, Ill. (353.4m-560kc), 6 p. m., Chicago Evening American studio; 7, program, Congress camival. 9-9:30, classical concert; 9:30-10:30, Congress camival. WBAP, Fort Worth, Tex. (475.9m-630kc), 7:30-8:30 p. m., special Radio wedding; 9:30-11, Euterpean club. WCCO, Minneapolis-St. Paul, Minn. (416.4m-720kc), 6 p. m., WEAF; 8, Home Brand minstrels. WDAF, Kansas City, Mo. (365.6m-820kc), 6-7 p. m., Billy Adair's orchestra; 11:45-1 a. m., Nighthawk frolic.

WDAF, Kansas City, Mo. (365.6m-820ke), 6-7 p. m., Billy Adalr's orchestra; 11:45-1 a. m., Nighthawk frolic.

WFAA, Dallas, Texas (475.9m-630ke), 6:30-7:30 p. m., Shaw-Smith college club orchestra; 8:30-9:30, Henri LaBonte and the College of Music and Arts; 11-12 midnight, Jimmie Joy's orchestra.

WGBF, Evansville, Ind. (236.1m-1270ke), 8 p. m., Evansville Typographical union.

WHAS, Louisville, Ky. (399.m-750ke), 7:30-9 p. m., Carl Zoeller's Melodists.

WHB, Kansas City, Mo. (365.6m-820kc), 7-7:45 p. m., organ concert, Linwood theater; 8-9:30, Otts band.

WHO, Des Meines, Iowa (526m-570ke), 7:30-8 p. m., Ralelgh quintet; 8-9, Mack Ohman, song writer; Edna Doud Scott, pianist; 11-12 midnight, Bankers Life Corn Sugar orchestra.

WOAI, San Aontonio, Tex. (394.5m-760ke), 8:30 p. m., Gerbhardt Mexican players.

WOAW, Omaha, Nebr. (526m-570ke), 6 p. m., Hugo G. Heyn, xylophonist; 6:50, orchestra; 9, program, Hannan-Vant Brunt company; 10:10, Radio review.

WOC, Davenport, Iowa (483.6m-620ke), 5:45-5:55 p. m., chimes concert; 6-8, WEAF; 8-9, musical program, Davenport Woman's club.

WRR, Dallas, Texas (245.8m-1220kc), 6-7 p. m., Jack Gardner's orchestra; 8-9, Montgomery the photographer. WSB, Atlanta, Ga. (428.3m-700ke), 10:45 p. m., concert.

WSM, Nashville, Tenn. (282.8m-1060ke), 8 p. m., frolic,

cert. WSM, Nashville, Tenn. (282.8m-1060ke), 8 p. m., frolic, Happy Jack's orchestra.

WSOE, Milwaukee, Wis. (245.8m-1220kc), 7 p. m., Elka club studio; 8:45, movie revue; 9, classical muste

Mountain Standard Time Stations

Pacific Standard Time Stations

Los Angeles, Calif. (467m-642kc), 7-8 p. m., tinia Ballroom orchestra; 8-9, Screen Artists' tet; 9-10, Composers' hour; 10-11, Packard Radio

quartet; 9-10, Composers nour, 10-11, Composers nour, 10-11, Composers nour, 10-12, Composers nour, 10-13, Composers nour, 10-13, Satudio program; 8:15-8:45, Studio program; 8:15-8:45, Studio program; 10-11, Jackie Souders and his Club Lido Serenaders.

KFWB, Hollywood, Calif. (252m-1190ke), 6:30-7:30-p.m., Pontiae Six dinner hour; 8-0, program, Richard Hellman, Inc.; 9-10, program, American Brake, Testing Machine company; 10-11, Warner Brothers frolia.

ard Hellman, Inc.; 9-10, program, American Brake Testing Machine eompany; 10-11, Warner Brothers frolle.

KGO. Oakland, Calif. (361.2m-830ke), 8 p. m., Eveready program, Hother Wismer, violinist; Ruth Waterman, contraito; Harrison Coles, tenor; 9-10, Don Lee Cadillae program; KGO Little symphony orchestra; Albert Gillette, baritone; 10. Madson's Midshipmen, KGW, Portland, Ore. (491.5m-610kc), 6-7 p. m., dinner concert; 10-12, dance musle, Herman Kenin's orchestra; Curt Kramer, pianist.

KHI, Los Angeles, Calif. (405.2m-740kc), 6:30-7:30, p. m., Uncle John and the children; 8-9, Southern California Baptist Vanna Paaple's pragrams; 9-10, varied pregrams

DANCII Central T

Saturday
Wile; 9, Webt
Wmbb, Waye, Wi,
Kihs, Wip; 9:3
Wybs, Wor, V
Kiwa, Koa, Kp
Wgn, Wiaz, Wi
Wnea, Wnye, W
Wneo, Wtam; 10:3
Mybs, Wor, V
More, Wtam; 10:3
Mybs, Wor, V
More, Wile, 11,
Kiwa, Koa, Kp
Worday; 12,
Krey
Monday
8, Wgcp, Win
Wor; 9, Wgb
Wor, Wpg; 9; ")
Kihs, Wgby, wg
Wore, Wpg; 10:3
Kihs, Wgby, wg
More, Wpg; 10:3
Kins, Wgby, wg
More, Word, Wile, Wgby, Wg
More, Word, Wile, Wg, Wile, Wg, Wile, Wg, Wile, Wg, Wile, Wg, Wile, Wile, Wile, Well, Wile, Wile, Wile, Wile, Wile, Wile, Wile, Wile, Well, Wile, Wile, Wile, Well, Wg
Win; 10:45, Kg
Whin; 10:45, Kg
Kor, Kill, Wgt
Kanz, Kpo, Wda
Kins, Kpo, Wda
Kins, Kpo, Wda

Knx, Kpo, Wda

Wednesds

9. Wex, Webb;
Wgcp, Whn, Wh
Wmbb, Wmca, W
Wahg; 9:30, Wb
Wor: 10, Kths
Weat, Wgbu,
Wjaz, Wqj; 10:0
10:30, Wbap, V
Koil, Kpo, Webl
Wgcp, Wgr, Wh

Koil, Kpo, Webl
Wgep, Wgr, Wh
11:45, Wdaf; 1:
Knx, Kpo, Wjaz
Thursday
8, Wjr; 8:30,
Webh, Weel, Wg
Wir, Wmbb, Wr
Wag, Wtie; 9:3
Wir; 9:30, S,
Withs, Wbbm, We:
Whn, Wes, Wc
Kths, Whn, Web
Woc; 11:45, W
Kgo, Khj, Kr
Wjjd,
Friday

Wjjd. Friday 8, Wwj; 9, Wc Weei, Wgbu, Wmbb; 9:15, Wa Wcau, Whn; 1 Kths, Wgbu, Wg

ENTION BROADCAST THROUGH CHYC



DANCING

Central Time

Saturday
Wog: 8.39, Wpg,
9. Webh, Wjaz,
b, Wncy, Wrec, 9.10,
Wip; 9.30, Kths,
8, Wor, Wre; 10,
1, Koa. Kpo, Weaf,
Wjaz, Wjr, Wkre,
a, Wnyc, Wor, Woj,
b, Wtam; 10.05, Wees;
b, Kpre, Wmd; 10.45,
11, 5...wa, Kfwb,
Webh, Wfaz, Wgbu,
Wjaz, Wce; 11.45,
12, Krwa, Kgo,

Monday Central Time

[; 12, Krwa, Kgo.

Monday

Wgep, Wpg; 8:30,
; 9, Wgbu, Wjar,
Wpg; 9:0, Wahg; 10,
Wgbu, Wgep, Wgr.,
, Wpg; 9:16:15, Wor;
, Kfoa, Wgep, Whn;
Kgw, Koll, Wgbu.
), Wgr, Whn, Who;
; 11:45, Wdaf; 12,
Kpo.

11.45, Wdaf; 12, Kpo.

Tuesday
Wpg; 9, Wpg; 9:30, 10, Kfve, Wbbm, Wgbu, Wgn, Wmca, Wweth, Wgbu, Wgn, Koll, Wgbu, Who, 11:30, Kfoa; 11:45, Kpu, Khi, Kpo, Wdaf, Wjaz.

Wednesday
Wcx, Webh, Wgbu, Whn, Who, Wlaz.
b, Wmca, Wthe, Wlaz.
b, Wmca, Wthe; 9:15, 2: 9:30, Wbap, Who, 10, Kfts, Wbap, Who, 10, Kfts, Wbap, Who, Wlaz.

z; 9:30, Wbap, Who,
10, Kths, Wbap,
Wgbu, Wgcp,
Wgjr, 10:95, Wcco;
Wbap, Whn; 11,
Kpo, Webh, Wgbu,
Wgr, Whan, Wlaz;
Wdaf: 12, Kfwa,
Kpo, Wjaz, Wjad,
Thursday
Wjr; 8:30, Wpg; 9,
Weei, Wgbu, Wnn,
Wmbb, Wpg, Wsai,
Wtic; 9:95, Wbz,
9:35, Wuye; 10,
Wbbm, Weaf, Wgbu,
Who, Wgb, Wgb,
Who, Wgb, Wgbu,
Who, Wgb, Wgbu,
Who, Weaf, Wgbu,
Who, Webh, Wgbu,
11:45, Wdaf; 12,
Khj, Knx, Kpo,

Friday
Wwj; 9, Wex, Webh,
W g b u, Wgep,
b; 9:15, Wahg; 9:30,
Whn: 10, Kpc. Wabu, Wgep, Whn.

(NX, Hollywood, Calif. (336.9m-890kc), 7-7:45 p. m., program, Geo. E. Read, Inc.; talk; 8-9, program, Builders Fliance association; 9-10, program, Western Auto Supply company; 10-12 midnight, Ambassador hotel dance orchestra.

(RO, San Francisco, Calif. (428.3m-790ke), 6:30-7 p. m., States Restaurant orchestra; 7-7:30, Rudy Seiger's Fairmont hotel orchestra; 8-9, James Lono's Hawaiian orchestra; 9-10, Mona Motor Oll trio; Gypay and Maria; 10-11, Palace Hotel Rose room dance orchestra (RPSN, Pasadena, Calif. (315.9m-950kc), 6-6:15 p. m., dinner time news; 8-9, Adolf Tandler instrumental group.

group.

KTAB, Oakland, Calif. (239.9m-1250ke), 8-9 p. m. educational program, Mills college.

Wednesday, June 2

Headliners Today Headliners Today

Atlantic Eastern Control Mountain 5, 4 3 2

WRC (468.5m.-640kc), U. S. Marine band. 8 7 6 5

WMCA (340.7m.-880kc), X.-1T Hawalians. WITC (475.9m.-630kc), Ukuleil elsson. 8:30 7:30 6:30 5:30 4:30

WMAK (265.3m-1130kc), Convention of American Guild of Organists. 7 6 5

WCOA (222m.-1850kc), Pep Purveyors. WEB1 (272.6m.-1100kc), Busoni's Neapolitans. WLIT (394.5m.-760kc), Tabloid musicale, 11:15 0:15 9:15 8:15 7:15

KOA (322.4m.-930kc), College of Music, U. of Colo. 12 m. 11

WHT (399.8m.-750kc), Al and Pat Specialties. WLW (422.5m.-7100kc), Plnk of programs.

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

Atlantic or Eastern Daylight Saving

Time Stations

CFCA, Toronto, Can. (356.9m.840ke), 8:30 p. m., Hambourg Conservatory of Music; 11, Gilbert Watson and OFCA, Toronto, Can. (356.9m-840kc), 8:30 p. m., Hambourg Conservatory of Music; 11, Gilbert Watson and his orchestra.
WAHG, Richmond Hill, N. Y. (315.8m-950kc), 7:30 p. m., Margie Make-Believe; 7:45, Jimmy Smith, banjo king; 8, Gertrude Bardusch, contrator, 8:15, Michael Lambertt, cellist; 8:30, Gertrude Bardusch, contrator, 8:45, Michael Lambertt, cellist; 9, Orpheus mixed quartet; 9:30, Milton Schwartz, violinist; Milton Katz, planist; 10, Reinhold Rieschick, bandonion soloist; 10:20, dance orchestra.
WCAU, Philadelphia, Pa. (277.6m-1080kc), 7:35 p. m. recital, N. Snellenburg and company; 8:10, Hotel Pennsylvania orchestra; 8:30, Miller plano period; 9, Gol Mar Greeters; 9:30, Helen Travis Hoel, soprano, 9:45, Senator Hassenpfeffer; 10, Desmond, Bortman and McCullough, instrumental Iric; 10:15, Maurice Pasten, venus; 10:10, Etyphsus and Mayesohov, songs;

Bellevue Strafford concert orchestra; 7, Bellevue Stratford dance orchestra.

WGBS, New York, N. Y. (315.6m-950kc), 6:30 p. m., Fess Williams Savoy ballroom orchestra; 7, "Future of the Medical Profession."

WGR, Buffalo, N. Y. (319m-940kc), 6:30 p. m., Gospel Molodists; 8, WEAF; 10, "The Hour of Kings," Kellogg Products, Inc.

WHN, New York, N. Y. (361.2m-830kc), 7:30 p. m., Loew's Lexington organ recital; 8, entertainers; 9, Loew's New York orchestra; 9:30, Palisades Amusement Park orchestra; 10, Roseland dance orchestra; 11:30, Silver Silpper orchestra; 12, Cotton Club orchestra.

ment Park orchestra; 10. Roseland dance orchestra; 11:30. Silver Silpper orchestra; 12. Cotton Club orchestra; Wir, Philadelphia, Pa. (508.2m-590ke), 6:05 p. m. Benjamin Franklin concert orchestra; 7. Uncle Wip's beddime stories; Florence Medoff, songs. WIAR, Providence, R. 1. (305.9m-980kc), 7:30 p. m., chamber musicale; 7-9, WEAF; 9, musicale; 10, tabloid musicale, Y. (454.3m-660kc), 7 p. m., Hotel Commodore concert orchestra; 8, imperial imps; 8:30, concert; 9:50. Associated Press; 10:30, Hotel Vanderbilt Della Robbia room orchestra; 8, imperial imps; 8:30. concert; 9:50. Associated Press; 10:30, Hotel Vanderbilt Della Robbia room orchestra; 8, imperial imps; 8:30. concert; 9:50. Associated Press; 10:30, Hotel Vanderbilt Della Robbia; 10, Arcadia cafe dance orchestra. WLT, Philadelphia, Pa. (394.5m-760kc), 9 p. m., Shriners' convention, talk by Colonel Roosevelt; 10, Arcadia cafe dance orchestra. WLWL, New Yerk, N. Y. (288.3m-1040kc), 9 p. m., program; 9:43, concert, N. Y. (288.3m-1040kc), 9 p. m., oliniem music. Hotel Lafayette; 7:30-8:30, dinner musical List of Concodaga; 8:30-10, Lynnwood Farnam, orsical List of Concodaga

metter studio program; 10:30. Ritz Cariton dance orchestra.

WOR, Newark, N. J. (405.2m-740kc), 6:30 p. m., Jacques Jacobs' Hotel Shelton ensemble; 9:30, French line program; 11, Larry Siry's Hotel Ambassador orchestra.

WTAG. Worcester, Mass. (267.7m-1120kc), 6-7 p. m., WTAG orchestra; 8-8:30, WEAF; 8-10, musicale; 10-11, WEAF.

Eastern Standard or Central Daylight Saving Time Stations

Saving Time Stations

KDKA, Pittsburgh, Pa. (309.1m-970kc), 5:30 p. m., dlnner concert; Everglades club orchestra; 8:30, P. M. 1. concert.

WBBM, Chicago, III. (225.4m-1330kc), 8-10 p. m., popular period; 12, Nutty club.

WBZ, Springfield, Mass. (333.1m-900kc), 6 p. m., Jolly haif-hour, Musical Mirth Makers, Bert Dolan's orchestra; 6:45, M. A. C. Radio forum; 7, Little Screen Players; 7:30, Nature league; 8, WBZ concert group; 9, Mr. Gehrman, bass-baritione; Sadie Yellen, soprano; 9:30, announced.

WEBH. Chicago, III. (370.2m-810ko), 7-8 p. m., Osborn's orchestra; Fronk Borden; 9-10, Osborn's orchestra; Frank Bordener; Lawrence Salerno; 11-12:30, Orlole orchestra; Kay Ronayne, Florence Behrend.

WGHB, Clearwater, Fla. (265.3m-1130kc), 8:30-10 p. m., Rex Dantzler, tenor; Helen Ferryman, Warford, pianist.

Ist.P. Defroit, Mich. (270.1m-1110kc), 6 p. m., dinner concert; 8-10, Littlo symphony orchestra; Mme. Gizi Szanto, pianist; quartet; 12-1 a. m., Gerald Marks' orchestra.

W6N, Chicago, III. (302.6m-990kc), 6:45-7:15 p. m., Blackstone string qulintet; 9-10, grand opera selections; 10-10:10, Sam 'n' Henry; 10:10-10:20, studio music; 10:30-12:30, Pepper Party.

WHT, Chicago, III. (399.8m-750kc), 7:10 p. m., Edwin Kemp. tenor; 7:50, Borden organ recital; Triangle entertainers; specialties; 10:15 (2:38m-1260kc), Cinderella care orchestra; II, (399.8m-750kc), Art Becker, pianies; Al and Past; 12 midnight, your hour league.

EDUCATIONAL FEATURES

Monday
Atlantic Eastern Central Mountain Pacific 5:30p.m. 4:30 3:30 2:30 1:30 WNYC (526m-570kc), German lessons, V. H. Ber-7 6 5 4 3 WEAF (491.5m-610ke), Columbia university lecture. 8 7 8 5 5 the Air.

WDAF (365.6m-820kc), School of the Air.
8:30 7:30 6:30 5:30
WSUI (483.6m-620kc), College of the Air. 4:30

9:35 8:35 7:35 6:35 WKAR (285.5m-1050kc), Engineering. 10 9 8 7 CKY (384.4m-780kc), U. of Manitoba. WHA (535.4m-560kc), U. of Wisconsin. 10:30 9:30 8:30 7:30 WHAZ (379.5m-790ke), Educational talk,

Tuesday Atlantic Eastern Central Mountain Pacific 8 p. m. 7 6 5 4 WDAF (365.6m-820kc), School of the Air. WKAR (285.5m-1050kc), Nature study. 8:30 7:30 6:30 5:30 KSAC (340.7m-880kc), College of the Air. 9:15 8:15 7:15 6:15 KDKA (309.1m-970kc), U. of Pittsburgh. 10 9 8 7 6

KUOA (299.8m-1000kc), U. or Ark.
WMAQ (447.5m-670kc), Locture, University of Chicago.

11:30 10:30 9:30 8:30 7:30

KFMX (386.9m-890kc), History lecture,

12 m. 11 10 9 8

KTAB (239.9m-1250kc), Mills college.

Wednesday
 Atlantic
 Eastern
 Central
 Mountain
 Pacific

 6:30 p. m. 5:30
 4:30
 3:30
 2:30

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

8 7 6 5 4 WDAF (365.6m-820kc), School of the Air. 8:30 7:30 6:30 5:30 4:30 KSAC (340.7m-880kc), College of the Air. 9:15 8:15 7:15 6:15 5:15 KDKA (309.1m-970ke), U. of Pittsburgh. 9:30 8:30 7:30 6:30 5:30 WSUI (483.6m-620kc), College of the Air.

Thursday Atlantic Eastern Central Mountain Pacific

Priday
Atlantic Eastern Central Mountain Pacific
6:30p.m. 5:30 4:30 3:30 2:30
WNYC (526m-570kc), French lesson. 7:45 6:45 5:45 4:45 3:45 WTIC (475.9m-680kc), Cartoon lessons, Bud Kings-

8 7 6 5 4
WDAF (365.6m-820ke), School of the Air.
WOAW (526m-570ke), "Musical Appreciation,"
Hester Bronson Copper.
8:30 7:30 6:30 5:30 4:30
KSAC (340.7m-880kc), College of the Air. 9 8 7 6 5 WKAR (285.5m-1050kc), State Department pro-

9:15 8:15 7:15 6:15 5:15 KDKA (309.1m-970kc), U. of Pittsburgh. 10 9 8 7 WMAQ (447.5m-670kc), U. of Chicago. 11:15 10:15 9:15 8:15 7:15 KWSC (348.6m-860ke), State College of Wash-

11:45 10:45 9:45 8:45 7:45 KOAC (280.2m-1070kc), Oregon Agricultural college.

WIBO, Chicago, III. (225.4m-1330ke), 6-8 p. m., Dorothy Rae, soprano; Charles Champlin, baritone; Evelyn Eillott, contraito; Frank Grief, tenor; trio; 10-12, Marie Tully, Wayne Myers, William Mointer, Cramer and O'Grady; Eiste Orr; Lenore Friedman, Pearl Holtzman.

WJAZ, Chicago, III. (329.5m-910ke), 9-12 midnight, Club Chez Pierre; Earl Hoffman's Chez Pierre orchestra; June Radiey, planist; John Bennet, ham-baritone; Chez Pierre Hawaiian quartet.

tone; Chez Pierre Hawaiian quartet.

WJJD, Mooseheart, III. (370.2m.810ke), 5:30-7 p. m., dinner cencert: Jack Nelson; Howard Peterson, organist; symphony players, Victorians; 8-9, child arfists, solos, bands; 10-11, Victorians; Isabel Defaut, Simeon Oliver, planist; R. Thomas; 12:30 a. m., Settin' Up hour.

WJR, Pentiae, Mich. (526.9m-580kc), 7 p. m., Jean Goldkette's Petite symphony orchestra; 7:45, Goodwill Oakland; 9, Jean Goldkette's orchestra; 11, Murphy Brothers organ; 12 mldnight, Merry Old Chief, Jewett Radio Jesters.

WKAR, Fast Lansing. Mich. (285.5m.1050ke), 8-9 p. m.

WKAR, East Lansing, Mich. (285.5m-1050kc), 8-9 p. m.

WKAR, East Lansing, man, musical program, musical program.

WLIB, Chicago, III. (302.8m-990ke), 7-7:05 p. m., million sing; 7:15-7:30, dinner concert; 7:30-7:50. Pattison Coates, baritone; Edward Barry, planist; 7:50-8, Auld Sandy; 8-9, WEAF; 12:30-1, Ambrose Larson,

WLS, Chicago, III. (344.6m-870ke), 6:30 p. m., model WLW, Cincinnati, Ohio (422.3m-710kc), 7 p. m., Hotel Gibson; 10, Thorobred entertainment; 11, Pink of

programs.

WMAQ, Chicago, III. (447.5m-670ke), 6 p. m., Chicago theater organ; 6:30, Hotel LaSalle orchestra; 8:25, Whitney trio; 8:55, WMAQ players, chimes.

Whitney trio; 8:55, WMAQ players, chimes.

WMBB, Chicago, III. (249.9m-1200kc), 7-8 p. m.,
Trianon duo; 9-11, Trianon orchestra; artists.

WOK, Chicago, III. (217.3m-1380kc), 4:30-7 p. m., Capitol theater organ; studio program; Tip-Top Inn string ensemble; 10-1:30 a. m., Tcarney's Town club orchestra; Pershing Palace orchestra; Midway Garden orchestra; Capitol theater program.

WOOD, Grand Rapids, Mich. (241.8m-1240kc), 9-10 p. m., 16-fingered Paul, Moke Marrin, Helen Neuman, Jim Forshey, Rath Glaser, Pearl Knudson, Sid Goldman; 10-11, Atwater Kent hour.

WORD, Batayia, III. (275.1m.16090kc), 7 p. m. North

man, Jim Forshey, Ruth Glaser, Pearl Knudson, Sid Goldman; 10-11, Atwater Kent hour.

WORD, Batavia, III. (275.1m-1090ke), 7 p. m., North Shore line; 9, Webster hotel trlo; I. B. S. A. choral singers; 9:20, Calvin H. Swingle.

WQI, Chleage, III. (447.5m-670kc), 7-8 p. m., Rainbo Gardens orchestra; 10-2 a. m., Ralnbo Gardens orchestra; Melodians; Clarence Theders, tenor; Joe Warner, character songs; Oxford Girls; Gall Bandell.

WRC, Washington, D. C. (468.5m-640kc), 5-6:30 p. m., U. S. Marine band.

WRVA, Richmond, Va. (256.3m-1170kc), 8:45 p. m., Stockton glee club; 9:10, glee club; 9:45, organ recital, R. C. Hyde; 11, Carry Me Back to Old Virginny.

WSAI, Cineinnati, Ohio (325.9m-920kc), 6:45 p. m., chimes, Robert Badgley; 7-9, WEAF; 9, musicale; 10, Congress Playing Card string quartet.

WSWS, Chicage, III. (275.3m-1090kc), 6:45 p. m., Dean Torrill, baritone; Rita McFawn; Terrace Gardens orchestra; S. Terrace Gardens; narrative recital; 10, Smith and Ford; Gus Edwards orchestra.

WTAM, Cleveland, Ohio (389.4m-770kc), 6:15 p. m., Hotel Cleveland orchestra; S. Public Auditorium program.

WTIC. Hartford, Conn. (475.9m-630kc), 5:30 p. m.,

wTIC, Hartford, Conn. (475.9m-630kc), 5:30 p. m., Bond trio; 7, Dan Nolan, ukulele lesson; 7:30, Hazel Porter Snow, contralto; Mrs. L. L. Beach, planist, 7:45, Katherlne Horahan, soprano; 8:15, Laura C. Gaudet, planist: 8:30-9, Esther A. Nelson, organist. WWJ, Detroit, Mich. (352.7m-850kc), 6 p. m., dinner concert; 7, WEAF; 7:30, News orchestra; 8, dance program; 9, WEAF.

Central Standard Time Stations

KFAB, Lincoln, Nebr. (340,7m-880ke), 5:30-6:30 p. m., dinner concert; 8:30-10:30, Gloomy Gus entertainers; Orville Andrews, Buick Warbier; Mike Kopac, King of the Ivories; Buick Master Six orchestra.
KFH, Wiohita, Kans. (267.7m-1120ke), 7 p. m., musicala

sicale.

KFICX, Hastings, Nebr. (288.3m-1040kc), 9-11 p. m., musical program, Lincoln.

KFNF, Shenandoah, Iowa (263m-1140kc), 7 p. m., cencert, Henry Field Seed company.

KMA, Shenandoah, Iowa (252m-1190kc), 9-11 p. m., program, Margaret Ziegenbeit, MoX, St. Leuis, Mo. (280.2m-1070kc), 6:30 p. m., dinner recital, Mrs. Jacque Landree, organist; 7-8:30, Shut-in entertainers, orchestra; 8:30-9:30, orchestra, light opera selections; 9:30-11:30, orchestra, solists; 11:30, Rendezvous club.

KPRC, Houston, Texas (296.9m-1010kc), 7:45 p. m., Jack Willrich's orchestra; Virginia Willrich, plano

accordionist; 8:45, Frank Tilton, blind wonder boy pianist. Louis, Mo. (545.1m-550kc), 6 p. m., WEAF; 6:30, Hotel Statler concert orchestra; 7, WEAF; 8, WEAF;

WEAF, KTHS, Hot Springs National Park, Ark, (374.8m-800kc), 9:10-10 p. m., Lawson Reld, organist; 10-10:30, Ray Mullins orchestra.

KVOO. Bristow, Okla. (374.8m-800kc), 6-9 p. m., Badio trio; Mascho, Cunningham, Mascho.

KYW, Chicago, III. (535.4m-560kc), 6 p. m., musicale program; 8-9:30, classical concert; 9:30-11, Congress carnival.

carnival.

WCCO, Minneapolis-St. Paul, Minn. (416.4m-720kc), 6
p. m., WEAF; 8, Midweek church service; 9, NashFinch concert orchestra; 10:05, Marigold Garden dance
orchestra; 11:30, Eddie Dunstedter, organist.

WCOA, Pensacola, Fla. (222m-1350kc), 7 p. m., Mrs.
Benu's Young Ladies chorus; Harry T. Howland, vlolluist; Mrs. Gray Bell, vocalist; Tony Bruno, sacophonist; Maud Williams, vocalist; Gladys Villar, pianlst; Michael Dilustro, tenor; Florida Footwarmer's
dance orchestra.

dance orchestra.

WDAF, Kansas City, Mo. (365.6m-820ko), 6-7 p. m.,
Zez Confrey's orchestra; 8-9, WEAF; 11:45-1 a. m.,

froile.

WHAS, Louisville, Ky. (399.8m-750kc), 7:30-8 p. m., Pat Armour's orchestra; 8-8:30, Blittick-Benson orchestra; 8:30-9, R. E. Gleason, ukulele soloist.

WHB, Kansas City, Mo. (365.6m-820kc), 10:30-11:30 p. m., midweek musicale.

p. m., midweek musicale.

WHO. Des Moines, lowa (528m-570kc), 6-7 p. m.,
Bankers Lite Little symphonic orchestra: 7:15-8:15,
Irene Dorans Little symphony: 8:15-9, Harry Lewis,
Normand Broholm; Kate Millers, whistler, Maude
Hughes, accompanist; Mack Ohman; 9-12, dance.

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

WOC, Davenport, lowa (483.6m-620kc), 5:45-5:55 p. m.,
chimes concert; 6-8, WEAF; 9:30-10:30, Erwin Swindell, organist.

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

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

Six orchestra.

WSM, Nashville, Tenn. (282.8m-1060kc), 7 p. m., Beasley Smith's orchestra; 8:15. Daisy Sartain, pianist; 10, John Trotwood Moore, reader.

WSMB, New Orleans, La. (319m-940kc), 8:30 p. m., Paul Jacobs and his male quartet; Doris Martinez, soprano; Sunny South trio.

WSOE, Milwaukee, Wis. (245.8m-1220kc), 7 p. m., dinner music, Elks club studio; 9, educational program; 9:50, report, Wisconsin Humane society.

Mountain Standard Time Stations

KOA, Denver, Colo. (322.4m-930kc), 6:30 p. m., Brown Palace string orchestra; S, Scheuerman's Colorado or-chestra; 8:15, College of Music, U. of Colorado; KOA orchestra; Bernice Friend Ardourel, soprano; Vera Bryce, Margaret Saunders, pianist; KOA orchestra.

Pacific Standard Time Stations

FI, Los Angeles, Calif. (467m-642kc), 7-7:30 p. m., Grebe Synchrophase string ensemble; 7:30-8, Nick Harris detective story; 8-9, program, California Pe-troleum corp.; 9-10, varied program; 10-11, dance

KFOA, Seattle, Wash. (454.3m-660kn), 6:45-8:15 p. m., Hopper Kelly company studio program; 8:30-10, program.

KFWB, Hollywood, Calif. (252m-1190kc), 6:30-7:30 p. m., Pontiac Six dinner hour; 8-9, Bill Hatch's orchestra; 9-10, program, Pacific Development company; 10-10:30, Mutual Motors Mirth contest; 10:30-11:30, Warner Brothers frolic.

KGO, Oakland, Calif. (361.2m-830kc), 6 p. m., dinner

concert.

KGW, Portland, Ore. (491.5m-610kc), 6-7 p. m., dinner concert; 8-9, concert; 9-10, vocal and instrumental music; 10-11, vocai, instrumental.

KHJ, Los Angeles, Calif. (405.2m-740ke), 6:30-7:30 p. m. Uncle John and the Children; 8-10, Times de

Iuxo program.

KNX, Hollywood, Calif. (336.9m-890kc), 7-8 p. m., program, Hoyt Water Heater company; 8-9, Security Trust and Savings bank program; 9-10, Motor Transit stages; 10-11, feature program; 11-12 midnight, Cocoanut Grove 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; 8-9. Atwater Kent artists; 9-10. Goodrich Sile-tawn Cord orchestra; 10-11, State Restaurant orche

KWSC, Pullman. Montezuma eluk Hoag, vocalist;

COLONEL ROOSEVELT TALKS AT WLIT

Thursday, June 3

Headliners Today

Atlantie Eastern Central Mountain Pacifie
8:15 p. m. 7:15 6:15 5:15 4:15
WTIC (475.9m-630ke), 102nd Infantry band, C. N. G.
8:39 7:30 6:30 5:30 4:30
WJZ (454.3m-660ke), WRC, WGY, WCAD, U. S.
Marlne band.

9 8 7 6 5 KEH (267.7m-1120kc) Markle and Hiner, 10 9 8 7 6 KLDS (440.9m-680kc), Independence Mandolin and

KLDS (440.9m.480kc), Independence Mandolin and Gultar club.

WEAF (491.5m.610kc). WCAP, WJAR, WDAF, WEEI, WTAG, WWJ, WCSH, KSD, WTIC, "Boccaccio," light opera.

10:20 9:20 7:20 6:20 7:20 6:20
WMAQ (447.5m.670kc), Polish mixed quartet.

11 10 9 8

WCCO (416.4m.720kc), Justrite Boys.

WQJ (447.5m.670kc), Clown of the Air.

12 m. Il 10 9 8

KGO (361.2m.830kc), Campfire Songs.

Thursday, silent night for: CHIC, CKNC, CNRA, CNRE, CNRD, CNRR, CNRT, CNRV, CNRW, KFAB, KFAU, KFWX, KFOX, KFOAC, KOAC, KOB, KSAC, KWSC, PWX, WABQ, WAFD, WAHA, WALU, WCAP, WCEE, WDOD, WEAO, WEBJ, WEBW, WEMC, WGBF, WHA, WHAD, WHAZ, WJJD, WMAK, WMAZ, WNAD, WOOD, WOR, WOS, WSM, WSUI, WTAM.

Atlantic or Eastern Daylight Saving

Atlantic or Eastern Daylight Saving

Time Stations

GFGA, Toronto, Can. (356.9m-840kc), 11 p. m., Gilbert Watson and his orchestra.
CKNC, Toronto, Can. (356.9m-840kc), 8 p. m., Charles E. Bodley and his orchestra.
WBBR, New York; N. Y. (272.6m-1100kc), 8 p. m., Prof. Charles Rohner, violinist; 8:15, Forrest J. Kleinhans, baritone; 8:50, violinist.
WGAU, Philadelphia, Pa. (272.6m-1080kc), 6:30 p. m., Cathay Tea Garden orchestra; 7:30, Snellenburg symphony orchestra; 8, Saddler's serenaders; 8:30, Clifton's Anglers; 8:45, The Kandy Kids; 9, Barry O'Moore, Irish tenor; 9:30, Musical Chefs; 9:43, Prof. Doolittle; 10, Sesquieentenula hour; 11, Parodians' dance orchestra; 11:30, Club Madrid revue.
WEAF, New York, N. Y. (491.5m-610kc), 6 p. m., dinner music; 7:30, dance music; 8:15, Hire Harvesters, WEEI, WFI, WCAE, WLIB, WSAI, WWJ, WTAM, 9, Cliequot club Eaklmos, WEEI, WJAR, WTAG, KSD, WCCO, WGN; 10, Silvertown Cord orchestra, WEEI, WFI, WCAE, WAI, WJAW, WGC, WWCCO, WTAG, KSD, WSAI, WJAR, WGN, WADC; 11-12, Vincent Lopez and his orchestra.
WEEI, Boston, Mass. (348.6m-860kc), 7:30 p. m., musicale; 8:11, WAFF,
WFI, Philadelphia, Pa. (394.5m-760kc), 6:30 p. m.
Beflevue Stratford concert orchestra; 7, Bellevue Stratford dance orchestra; 8, talk, Thomas Masson; 8:15, WEAF,
WGBS, New York, N. Y. (315.8m-950kc), 6:30 p. m.

WEAF, WGBS, New York, N. Y. (315.6m-959ke), 6:30 p. m., music; 6:45, Arcadla orchestra; 8, Constantino stu-

wuses, New York, N. Y. (315.6m-950kc), 6:30 p. m., music; 6:45, Areadia orchestra; 8, Constantino studio ensemble.

Wer, Buffalo, N. Y. (319m-940kc), 6:30 p. m., Vincent Lopez Hotel Statler dance orchestra; 8, WEAF.

WHAR, Atlantic City, N. J., (275.1m-1090kc), 8 p. m., Seaside hotel trio; 9, studio concert; 11, Follies Bergere dance orchestra.

WHN, New York, N. Y. (381.2m-830kc), 8 p. m., Will Oakland's chateau; 9:30, Loew's 83rd Street orchestra; 10:30, Leroy Smith's orchestra; 11:30, Error glades orchestra; 12, Sophie Tucker's playground.

WIP, Philadelphia, Pa. (506.2m-590kc), 6:05 p. m., Benjamin Franklin concert orchestra; 7, Philadelphia, Pa. (506.2m-590kc), 6:05 p. m., Seiden, Mask and Wig Juniors; 8, talk, Dr. Henry Leffman; 8:15, recital, Settlement Music school; 9:15, Apollo Glee club; 10, El Patio dance orchestra; WIAR. Providence, R. I. (305.9m-880kc), 8 p. m., Robert W. Powers' Hudson-Essex Orchestra; 9-11, WEAF.

Supper club.

WTAG, Werester, Mass. (267.7m-1120kc), 7:30 p. m.,

WTAG Song Lady; 8-8:30, program; 9-10, WEAF;

10-11, WEAF.

WTAG Song Lady; 8-8:30, program; 9-10, WEAF; 10-11, WEAF.

Eastern Standard or Central Daylight
Saving Time Stations

KDKA, Pittsburgh, Pa. (309-1m-970ke), 5:30 p. m.,
Little symphony orchestra; 8:30, American musle of
yesterday and today, Little symphony; 10:05, Pittsburgh Post program.

WBAL, Baltimere, Md. (245.8m-1220ke), 6:30-7:30
p. m., WBAL dinner orchestra; 8-10, concert program;
10-11, WBAL ensemble.

WBBM, Chieago, Ill. (225.4m-1330ke), 8-12 midnight,
popular musle; Moss Covered melody period; Alemite
orchestra, artists; Tip trio.

WBZ, Springfield, Mass. (333, Im-900ke), 6 p. m., Hotel
Klmball trio; 6:33, Hotel Lenox ensemble; 8, Gray
Gables quintet; 8:30, organ recital; 9, Albert Heer,
bass-baritone; 9:15, announced; 9:30, Dorothy Morsam, soprano; artists.

WCBD, Zion, ill. (344.6m-870ke), 9 p. m. Brass quartet; P. B. Newcomer, cornetist; Arthur Rendall, clarinetist; Richard F. Hire, violinist; Mrs. P. M. LaRose, contraito; Mrs. Esther Rendall, soprano.

WEBH, Chieago, Ill. (370.2m-810ke), 7 p. m., special
recital; 9, Oriole orchestra; Ruth Buhl Flick, reader;
Dorothy Herman Blum; Indiana male quartet; 1112:30, Oriole orchestra; Pat Ward; Rita McFawn,
Mary Bleber.

WGHP, Detroit, Mich. (270.1m-1110kc), 6 p. m., dinner

Mary Bieber.

WGHP, Detroit, Mich. (270.1m-1110kc), 6 p. m., dinner concert; 10-11, Frolickers; 11-12, Skylark dance band; Harry Hayes, banioist; Heck and Mac; 12-1 a. m., Gerald Marks' orchestra.

WGN, Chicago, III. (302.8m-990kc), 6:45-7 p. m., Drake concert ensemble; 8-9, WEAF; 10-10:10, Sam 'n' Henry; 10:10-11, ensemble.

WHT, Chicago, III. (392.8m-750kc), 7:10 p. m., Al Carney, organist; 8:45-10:15 (238m-1260kc), Cinderella cafe orchestra; 12 (399.8m-750kc), U. S. L. entertainers.

cate orenestra; 12 (39-5m-700ke), U. S. L. entertainers.

WIBO, Chicago, III. (225-4m-1330ke), 6-8 p. m., dinner concert; 12, Ted Fiortio, Dan Russo, Maric Tully, Wayne Myers; Louis A. Webb, Rita McFawn, Smith and Fota.

WJAZ, Chicago, III. (329-5m-910ke), 9-12 midnight, classical program, Spanish Garden studio.

WJD, Mooseheart, III. (370.2m-810ke), 5:30-7 p. m., direct concert; Howard, "Artyson, organist; Palmer phony orchests, "Artyson, organist, "Artyson, organ

Central Standard Time Stations
KFH, Wichita, Kans. (267.7m.1120ke), 7 p. m., Markle
and Hiner, Harmony team; Ida May Stewart.
KFNF, Shenandoah, lowa (263m.1140ke), 7 p. m., KFNF, Shenandosh, Iowa (263m-1140ke), 7 p. m., concert.
KLDS, Independence, Mo. (440.9m-680ke), 8 p. m., Independence Mandolin and Guitar club.
KMA, Shenandosh, Iowa (252m-1190ke), 9-11 p. m., Ye Old Time orchestra; Willy Cunningham, the farmer Scotchman.

Old Time orderstra; Why Cunningnam, the farmer Scotchman.

KOIL, Council Bluffs, Iowa (277.6m-1080ke), 6:03 p. m., Virginia Fair, pianist; 6:30, Raisin-Bran program; Art Marr's Innerial dance orchestra; 7, Virginia Mulholland, harpist; Francis Mulholland, violinist; Lois Green, soprano; 8, Nebraska's Oldest Music house; 11, Muriel Mann, organist.

KPRC, Houston, Texas (296.9m-1010kc), 7:30 p. m., Harry Kobusch and his orchestra; 8:30, Byron Quayle, bartione; Katherine Allen Lively, accompanist; 84, Willard Opocensky, planist; 9, Southern Pacific Lines glee club.

SSD, St. Louis, Mo. (545.1m-550ke), 7 p. m., WEAF; 9, Lyrie Skydome, KSD, Clarinda, Iowa (241.8m-1240ke), 8 p. m., Essex KSU, Clarinua, 1986 (ATTOMACHUM)
band.
KTHS, Hot Springs National Park, Ark. (374.8m-800kc),
9:10-9:45 p. m., Edward Richter, saxophonist; orchestra; 9:45-10, Lawson Reid, organist; 10-10:30, dance program, Whittington Park,
KUOA, Fayetteville, Ark. (299.8m-1000kc), 8:20 p. m., musicale, Mildred Greg, Ruth Holt, Lucy Leigh

musicaie, Mildred Gregg, Ruth Holt, Luey Leigh Brown. KVOO, Bristow, Okla. (374.8m-800kc), 6-9 p. m., sur-

prise program.

KYW, Chicago, III. (535.4m-560kc), 6 p. m., musicale, Hearst square; 8-9:30, classical concert; 9:30-10:30, Congress carnival.

WBAP, Fort Worth, Tex. (475.9m-630kc), 7:30-8:30 p. m., Davis Baking Powder saxophone octet; 9:30-11, farewell concert, L. C. Duncan, Paul Cooper; 11-12, Harmony club.

WCCO, Minneapolis-St. Paul, Minn. (416.4m-720kc), 7 p. m., WEAF; 9, Justrite Boys; 9:30, National Association of Railway Magazine Editors.

ROA, Denver, Colo. (322.4m-390ke), 6:30 p. m., Brown Palace string orchestra.

Pacific Standard Time Stations

KFI. Les Angeles, Calif. (467m-642ke), 7-8 p. m., program by students, U. S. C.; 8-9, classical hour; 9-10, ward program. U. S. C.; 8-9, classical hour; 9-10, ward program. U. S. C.; 8-9, classical hour; 9-10, ward program. Settly Patrick; 10-11, Patrick-Marsh dance orchestra. Bettly Patrick; 10-11, 8-9, program, McGavin Brothers bakery; 9-10, program, McGavin Brothers bakery; 9-10, program, Dell's Ice Cream; 10-11, Warner Brothers froits, 10-12, Center in 10-13, Warner Brothers froits, 10-14, Colo McElroy's dance orchestra. KGW, Portland, Ore. (491.5m-5100kc), 6-7 p. m., dinner concert; 8-10, vaudeville program; Flower girls; 10-12, Cole McElroy's dance orchestra.

KHJ. Los Angeles, Calif. (495.2m-7400ko), 6-30-7:30 p. m., Uncle John and the Children; 8-10, Zoellner Conservatory of Music, program; Mona Content, planist.

KNX, Hollywood, Calif. (338.9m-890ke), 7-8 p. m., feature program; 8-9, Willys-Overland dealers' program; 9-10, Stephens minstrol show; 10-11, studio program; 11-12 midnight, Cocoanut Growe dance orchestra; 12-2 a. m., Don Meaney's midnight froit. (R'O, San Francisce, Calif. (428.3m-700ke), 6:30-7 p. m., States Restaurant orchestra; 7-7:30, Fairmont hotel orchestra; 10-11, Cabiria cafe dance orchestra.

(R'SN. Pasadena, Calif. (315.9m-950ke), 8-9 p. m., Pasadena chamber of commerce.

(K'AB, Oakland, Calif. (239.9m-1250ke), 8-10 p. m., studio program.

Friday, June 4

Headliners Today

Atlantic Eastern Central Mountain Pacific 79.m. 6

79.m. 6

WEBJ (272.6m-1100kc), Dixie Daisy entertainers. 8

8 (272.6m-1100kc), Dixie Daisy entertainers. 4

WAHG (315.6m-950kc), 32nd great artists organ recital. 8

WAHG (315.6m-950kc), 32nd great artists organ recital. 9:15

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WGAU (277.6m-1080kc), Nasco Jolly Four. 9:30

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6:30

WOC (483.6m-620kc), Deratic program. 6

WRR (245.8m-1220kc), Magnolia Petroleum band. 10:30

9:30

WFAA (475.9m-630kc), Sehubert Choral club. 11:15

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Friday, silent night for: CFAC, CHIC, CKAC, CKNC, CKY, CNRC, CNRM, CNRO, CNRR, CNRW, KFAU, KFMQ, KFWA, KFXF, KLDS, KPRC, KPSN, KSAC, KUOA, KUOM, PWX, WBBR, WCAD, WCBD, WEAD, WEBW, WGBS, WGST, WHAZ, WIP, WJAZ, WKRC, WLW, WLW, WLWL, WNAD, WOR, WRC, WREO, WRVA, WSAI, WSMB, WSUI, WTAM.



artists; 9:45, John Aspe, tenor; 10, Shell Beach trio; 10:30, dance orchestra.

WCAU, Philadelphia, Pa. (277.6m-1080kc), 6:45 p. m. Hotel Pennsylvania orchestra; 7:15, Peter Rabbit and the kiddies; 7:30, Snellenburg instrumental trio; 8:15. Enrico Aresoni, operatic tenor; 8:30, Singing Groundhog; 8:45, Dwight Strickland, "poetician"; 9, The Reginas; 9:15, Nasco Jolly Four; 9:45, Gypsy orchestra; 10:05, songs; 10:30, Myers' Musical Architects.

WEAF, New York, N. Y. (491.5m-610kc), 6-12 midnight, dinner music; Happiness Candy Boys; Citles Serrice quartet; Buffalodians; Ben Bernie and his orchestra, WEBJ, New York, N. Y. (272.6m-f100kc), 7, D. m. Harvey J. Heeb and his Dixie Datsy entortalners; 7:30, Luna Park program; 8, Jack Gall, planist; program.

WEEI, Beston, Mass (348.6m.860kc), 7:20, p. MWEEI, Beston, Mass (348.6m.860kc), 7, p. 7, p. MEEI, Beston, Mass (348.6m.860kc), 7:20, p. MWEEI, Beston, Mass (248.6m.860kc), 7:20, p. MWEEI, Beston, Mass (248.6m.860kc), 7:20, p. MWEIL, Beston, Mass (220.7m.80kc), p. MWEIL, Beston, 20.7m. MWEIL, Beston, Mass (248.6m.860kc), p. MWEIL, Beston, 20.7m. MWEIL, Beston, Mass (248.6m.860kc), p. MWEIL, Beston, 20.7m. MWE

8:15, Queens City entertainers; 8:30, Luna Para Portram.
WEEI, Bosten, Mass. (348.6m-860kc), 7:30 p. m., Whiting's Grade A entertainers; 8, musicale; 8:30, Sandy MacFarlane; 9, WEAF; 9:30, musicale; 10, WEAF; 10:30, Ed Andrews and his Nautleal Gardens orchestra. WFI, Philadelphia, Pa. (394.5m-766ke), 6:30 p. m. Bellevue Stratford concert orchestra; 7, Bellevue Stratford acance orchestra. WGR, Buffale, N. Y. (319m-940ke), 6:30 p. m., program, Elm Vocational school; 8:30, J. Blosek, planist; 9, Winger's Crescent Park entertainers; 9:30, WEAF; 10:15, W. H. F. Tenny; 10:30, Mrs. Vernon Curlis and associate artists; 11, Vincent Lopey Hotel Statler dance orchestra.

Notice is Crescent Park entertainers; 3:30, WEAF; 10:15, W. H. F. Tenny; 10:30, Mrs. Vernon Curtls and associate artists; 11, Vincent Lopez Hotel Statler dance orchestra.

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

WHN, New York, N. Y. (361.2m-830kc), 7 p. m., Phil Abrahams and his Colonial Aces; 7:30, Treasureland Neighbors; 8, Unele Robert's Chat; 9, Loew's Lexington orchestra; 3:30, Palisades Amusement Park orchestra; 10:30, Strand Roof orchestra; 11, Barn club orchestra; 10:30, Strand Roof orchestra; 11, Barn club orchestra; 10:30, Club Alabam orchestra; 12, Silver Slipper orchestra, WIP, Philadelphia, Pa. (508.2m-596kc), 6:05 p. m., Benjamin Franklin hotel eoncert orchestra; 7, Uncle Wip's bedtime stories; Hansell Borst, musical saw. WIAR. Providence, R. I. (305.9m-980kc), 8 p. m., musicale; 8:30, Gorman's Jolly Bakers; 9, musicale; 10, WEAF; 11, Providence Biltmore dance orchestra. WIZ, New York, N. Y. (454.3m-660kc), 7 p. m., George Olsen and his Hotel Pennsylvania Grill orchestra; 8. Sundial Shoe serenaders; 8:30, Bonne Laddies: 9. Snider's Catsup hour; 10, Baldwin hour; 11, Hotel Lorraine Grill orchestra.

WLIT, Philadelphia, Pa. (394.5m-760kc), 8:30 p. m., reeital; 10, Arcadia cafe dance orchestra; 10:30, Rufus and Rastus; 11, Freshman hour; 12 midnight, Morning Glory elub ooncert.

WMAK, Buffalo, N. Y. (265.3m-1130kc), 6:30 p. m., dinner music; 7:40, musicale; 9-10, Sunrise Polnt Development company.

WMCA, New York, N. Y. (340.7m-880kc), 6 p. m., Olcott Vall and his Hotel McAlpin string ensemble; 6:30, Ernie Golden and his Hotel McAlpin richestra; 8. Woodmanston Inn orchestra; 8:50, Broadway Ass'n.; 9, Hardman Hour of Music; 12 midnight, Mealpin enterainers.

WOO, Philadelphia, Pa. (508.2m-590kc), 7:30 p. m., "Sir Hobgoblin," Blanche Wade; 7:45, Ritz Carlton dance orchestra; 8:15, WOO orchestra; 9:25, Fox theater studio program; 10, WEAF; 10:30, Sylvania dance orchestra.

WOR, Newark, N. J. (405.2m-740ke), 6:40 p. m., Hotel

orchestra.

WOR, Newark, N. J. (405.2m-740ke), 6:40 p. m., Hotel Bretton Hall string quartet.

WPG, Atlantic City, N. J. (299.8m-1600ko), 6:45 p. m., Arthur Scott Bröok, organist; 7, Hotel Traymore dinner music; 7:30, Elks home dinner music; 8:15, Sol Kendis and Chick Leonard entertainers; 8:30, Million Dollar Pier dance orchestra; 9, Hotel Ambassador concert orchostra; 10, studio program; 10:30, Jean Wiener, organist.

organist.
WTAG, Wercester, Mass. (267.7m-1120ko), 6-7 p. m.,
WTAG orchestra; 8:15, program; 10-10:30,

Eastern Standard or Central Daylight Saving Time Stations

KDKA, Pittsburgh, Pa. (309, 1m.970kc), 5:30 p. m., dinner concert, orchestra; 9. Teaberry time. WBAL, Battimere, Md. (245.8m.1220kd), 6:30-7:30 p. m., WBAL dinner orchestra; 8-9, musicale; 9-10, John Wilbourn, tener; WBAL tric; 10-10:30, WBAL mixed quartet; 10:30-11, Frederick D. Weaver, organist.

p. m. WBAL dinner orchestra; 8-9, musicale; 9-10. John Wilbourn, tenor; WBAL tric; 10-10:30, WBAL mixed quartet; 10:30-11, Frederlek D. Weaver, organist.

WBBM, Chicago, III. (225.4m-1330kc), 8-10 p. m., Safety First playlet; Hazel McBroom, contraito; Alemite High Pressure orchestra.

WBZ, Springfield, Mass. (333.1m-900kc), 6 p. m., Hotel Lenox ensemble; 6:33, Hotel Kimball tric; 8, announced; 8:30, Burbank "Chocolateers"; 9, Baldwin hour of music WBH, Chicago, III. (370.2m-810kc), 7 p. m., Osborn's orchestra; Bernard Weber, Pauline Sachs; 9, Osborn's orchestra; Bernard Weber, Pauline Sachs; 9, Osborn's orchestra; Bernard Weber, 11-12:30, Ortole orchestra; Irene Beasley; Flo and Bay, Cook Sisters. WGHB, Clearwater, Fla. (265.3m-1130kc), 8:30-10 p. m., Dr. D. Dunseith, organist.

WGH, Chicago, III. (302.6m-990kc), 6:45-7 p. m., dinner concert; 10-11, entertainers; 11-12. Skylark dance band, soloists; 12-12 a. m., Gerald Marke' orchestra.

WGN, Chicago, III. (302.6m-990kc), 6:45-7 p. m., musical program; Drake concert ensemble, Blackstone string quintet, request program; 7:15-8, Paul Ash; 8-8:30. WEAF; 8:30-9, Curtev Capers; 9-9:30, WEAF; 8:3

with, Pontiac, mich. 1010-1111-20000, 1 p. m., Freeze symphony orchestra; 7:30. Arctic Specials; 9, Mulkey Celebrities.

WKAR, East Lansing, Mich. (285.5m-1050kc), 8-9 p. m., Stato Department program.

WLIB, Chicago, III. (302.8m-990kc), 7-7:05 p. m., Million sing; 7:05-7:15, Old-fashioned almanack; I1-11:20, Correll and Gosden; 11:20-1 a. m., Liberty studio ensemble; Ambrose Larsen, organist; Tenmy Thatcher's Drake hotel dance orchestra; Fred Hamm's Purple Grackle orchestra.

WLS, Chicago, III. (344.6m-870kc), 7:15 p. m., College Inn orchestra; 7:30, Ralph Emerson, organist; 8, popular music; 8:30, First Presbyterian church choir; 9. Trelle Clef Ladies quartet; 10, Westminster quartet; 11-12 midnight, Ralph Emerson, organist.

WMAQ, Chicago, III. (347.6m-870kc), 6 p. m., Chicago theater organ; 6:30, Wide-Awake club program; 8, musical program; 8:30, Whitney trio; 9:20, musical program, chimes.

stein program; 8:30, writiney trio; 9:20, musical program, chimes.

WMBB, Chicago, Ill. (249.9m-1200ke), 7-8 p. m., Trianon duo, special artists, old-home songs; 9-11, Trianon orchestra; trio; Krueger and Dillon, banjo barons; Joe Warner, popular program.

WOK, Chicago, Ill. (217.3m-1380ke), 4:30-7 p. m., Capitol theater organ; studio program; Tip-Top Inn string ensemble concert; 10-1:30 a. m., Tearney's Town club orchestra; Midway Garden ovchestra; Capitol theater program.

ater program.

WOOD, Grand Rapids, Mich. (241.8m-1240kc), 9-9:15
p. un., "Chopin"; 9:15-10, Belding choral union; 1011, Tschalkowsky half hour; Olive Wetzel, pianist;
Henry Vaughn, baritone.

WORD, Batavia, III. (275.1m-1090kc), 7 p. m., North
Shore line; 7:45, World News Digest; 9, studio program

gram.

WG1. Chicago, III. (447.5m-670kc), 7-8 p. m., Rainbo Garden orchestra; 10-2 a. m., Rainbo Garden orchestra; 10-2 a. m., Rainbo Garden orchestra; 10-10 a. m., Rainbo Garden orchestra; 10-11 a. m., woman harmonica player; Ward Purkeyser, tenor; Clark's Hawaiian 170, WRVA, Richmond, Va. (265.3m-1170kc), 9:30 p. m., WRVA, Richmond, Va. (265.3m-1170kc), 9:30 p. m., Edgeworth Party night, dance programs.

CRUISE WITH MAYFLOWER OVER WRC

Friday, June 4

WSWS, Chicage, III. (275.8m-1090ke), 6 p. m., Madaline McGraw, ballads; 8, Terrace Gardens; John Clark, baritone; 10, Terrace Gardens.
WTAM, Cleveland, Ohio (399.4m-770ke), 6:15 p. m., Hotel Cleveland orchestra; 8, studio program; 9, WEAF; 9:30, studio program; 8, studio program; 9, WTIC, Hartford, Conn. (475.9m-630ke), 5:30 p. m., Hub trio; 7:15, Fanny G. Eckhardt, pianist; 7:30, Mrs. E. B. Heywood and quartet; 8:15, Benjamin Buxton, pianist; Willard M. Clark, baritone; 8:45, Travelers string quartet; 9:15, WTIC Mail Bag; 9:30, Leon Hatton, popular songs; 9:45, Travelers string quartet; 10-11, Emil Heimberger's Hotel Bond dance orchestra.

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

Central Standard Time Stations KFAB, Lincoln, Nebr. (340.7m-880kc), 5:30-6:30 p. m., dlnner concert; 8:30-10:30, Francis and Sarah Green of Wymore; Little symphony orchestra.

Wichita, Kans. (267.7m-1120ke), 7 p. m., dance

KFH, Wichita, Kans. (267.7m-1120ke), 7 p. m., dance orchestra.

KFKX, Hastings, Nebr. (288.3m-1040ke), 9-11 p. m., Home Imperial orchestra.

KFNF, Shenandah, Iowa (263m-1140ke), 7:30 p. m., concert, Lafe Corbin, director.

KMA, Shenandah, Iowa (252m-1190ke), 9-11 p. m., musical program.

KMOX, St. Louis, Mo. (280.2m-1070ke), 6:30 p. m., dinner reclai, Mrs. Jacque Landree, organist; 7, Brown Bilt boys, Mary Jane and her uke; saxophone quintet, orchestra; 8, Longo Sisters, orchestra, Hight opera; 9, "Jane Eyro," novel; 10, Music Lovers hour, orchestra; Helen Musick, dramatic soprano; 11, Rendezvous club, dance music, A. Snyder, accordion sololst, KOIL, Council Bluffs, Iowa (277.6m-1080ke), 6:03 p. m., Ray Rice, banjolst; Jvan Collen, pianist; Eric Thornton, tenor; Randall's Royal orchestra; 7:30, Lyric serenaders; 8, program, Dresher Brothers; Jack and Jill; 11, Hotsy Hotsy Hour.

KSD, St. Louis, Mo. (545.1m-550ke), 7:30 p. m., Com-

KSD, St. Louis, Mo. (545.1m-550ke), 7:30 p. m., Commerce hour; 8, program.

merce hour; 8, program.

K\$0. Clarinda, lowa (241.8m-1240ke), 8 p. m., Baker and Anderson Harmony team.

KTHS, Hot Springs National Park, Ark. (374.8m-800ke), 9:10-9:30 p. m., Joe Kontz, accordionist; 9:30-10, New Arlington hotel orchestra; 10-10:30, Como Roof Garden orchestra.

KVOO, Bristow, Okla. (374.8m-800kc), 6-9 p. m., Josephine Storey-White.

phlne Storey-White.

KYW, Chicago, III. (535.4m-580kt), 6 p. m., musicale;
7-8, Federal Masters; 9:30-11, Congress carnival.

WBAP, Fort Worth, Tex. (475.9m-630kc), 7:30-8:30
p. m., Gordon L. Mann saxophone quintet; 9:30-11,
Lutcher Stark Boys band; 11-12, Panther Hawaiian

trio.

WCCO, Minneapolis-St. Paul, Minn. (416.4m-720kc), 6:15 p. m., dinner program, St. Paul association; 8, WEAF; 8:30, Great Western Railroad orchestra; 10:05, Dick Long's Nankin cafe orchestra.

WCOA, Pensacola, Fla. (222m-1350kc), 7 p. m., Matteo Viscusp, accordionist; A. Morley Darby, spiritual songs; Rev. George Callahan, pianist; Madame Dupont, vocalist; Ray C. Dinsmore, cellits; Mrs. O. Hamilton, pianist; West Floridian dance orchestra.

WDAF, Kansas City, Mo. (385.6m-820kc), 6-7 p. m., Harry Frank, organist; 8-8:30, WEAF; 8:30-9:30, varied musical program; 11:45-1 a. m., Nighthawk frolic.

WFAA. Dallas, Texas (475.9m-630kc), 6:30-7:30 p. m., Honey Boys orchestra; 8:30-9:30, Schubert choral

club.

WGEF, Evansville, Ind. (236.1m-1270kc), 7 p. m., A.
L. Maxwell company, musicale; 8, Auto tour; 11,

L. Maxwell company, musicale; 8, Auto tour; 11, D. X. hunting club.

WHAS, Louisville, Ky. (399.8m-750ke), 7:30-9 p. m., Reynolds-Kent Hotel Kentucky orchestra.

WHB, Kansas City, Mo. (365.6m-820ke), 7-8 p. m., Sweeney Radio orchestra.

WHO, Des Molnes, lowa (526m-570ke), 7:30-9 p. m., operatic program, Grace Clark DeCraf; 11-12 midnight, Philbreck and his Younker orchestra.

night, Philbreek and his Younker orchestra.

WOAI, San Antonio, Tex. (394.5m-760ke), 8:30 p. m., San Antonio College of Music program or Walter Dunham Harmonologue.

WOAW. Omaha, Nebr. (526m-570kc), 6 p. m., music review, Hester Bronson Copper; 6:50, Jaffy and Braviroff; 9. Puritan program.

WOC, Davenport, lowa (483.6m-620kc), 5:45-5:55 p. m., chimes concert; 8-9, Rex's band, musical program.

WRR, Dallas, Texas (245.8m-1220kc), 6-7 p. m., dinner hour concert; 8-9, Magnolla Petroleum company band; 11-12 midnight, musical program.

WSB, Atlanta, Ga. (428.3m-700kc), 8 p. m., concert; 10:45, concert.

10:45, concert.

WSOE, Milwaukee, Wis. (245.8m-1220ke), 7 p. m.,
dinner music, Elks club studio; 7:45, Radio mass
singing; 9, Candygram revue.

Mountain Standard Time Stations
KOA, Denver, Cele. (322.4m.939ke), 6:30 p. m., Brown
Palace string orchestra; 8, Scheuerman's Colorado orchestra; 8:15, KOA minstrel players.

Pacific Standard Time Stations

Pacific Standard Time Stations
KFI, Los Angeles, Calif. (467m-642kc), 7-8 p. m., dance
program; 8-9, Aeolian organ; 9-9:30, popular program; 9:30-10, Mutual Motors Mirth contest; 10-11,
Packard Ballad hou.
KFOA, Seattle, Wash. (454.3m-660kc), 5:55-6:25 p. m.,
Atwater Kent boys, Doug and Fred; 6:45-8:15, program; 8:30-10, Times studio program; 11-12, KGW.
KFWB, Hollywood, Calif. (252m-1190kc), 6:30-7:30
p. m., Pontiac Six dinner hour; 8-9, program, John
Wright, The Right Tailor; 9-10, program, Sealy Mattress company; 10-11, Warner Brothers frolic.
KGO, Oakland, Calif. (361.2m-830kc), 6 p. m., dinner
concert.

eoncert.

KGW. Portland, Ore. (491.5m-610kc), 6-7 p. m., dinner concert; 8-9, vocal and instrumental concert; 9:15-10:30, vocal and instrumental; 10:30-12, frolic, Keep Growing Wilser Order of Hoot Owls; Pantages stars, fea-

tures. Los Angeles, Calif. (405.2m-740ke), 6:30-7:30 p. m., Uncle John and the Children; 8-9, program, Southern California Baptist Young People; 9-10, popu-

ler program.
KNX. Hollywood, Calif. (336.9m-890kc), 7-8 p. m.,
Bad Egg club; 8-9, program, Jell-X-Cell; 9-10, Order
of Optimistic Donuts; 10-11, Hollywood American Legion fights; 11-12 mldnight, Coccanut Grove dance

orchestra KPO, San Francisco, Calif. (428.3m-700kc), 6:80-7 p. m., State Pastaurent orchestra: 8-9. studio program; 9-10,

tates Restaurant orchestra. AB, Oakland, Callf. (239.9m-1250kc), 8-10 p. m. rogram. Breuner's.

program, Breuner's.

KWSC, Pullman, Wash. (348.6m-880ke), 8-9:30 p. m.,
program, Plummer, Idaho, high school; Erma Greene,
reader.

Saturday, June 5

Headliners Today

Atlantic Eastern Central Mountain 8:45 p. m. 7:45 6:45 5:45 WOR (405.2m-740kc), Copenhagen quartet. 9 8 7 6 5 9 8 7 6 5 KSD (545.1m-550kc), Lyric Skydome. WGBS (315.6m-950kc), Bergen County Veterans band. WIP (508.2m-590kc), Persian Garden song cycle.

Atlantic Eastern Central Mountain Pacific 9:30 p. m. 8:30 7:30 6:30 5:30 WLW (422.3m-710kc), Scenes from "Mirella." 10 9 8 7 6 WSB (428.3m-700kc), Atlanta Atwater Kent program.
WTAM (889.4m-770kc), Ev Jones and gang.
WTIC (475.9m-630kc), Surprise package.
10:30 9:30 8:30 7:30
WFAA (475.9m-630kc), Hubbell club. 11 10 9 8 WSUI (483.6m-620kc), University band. la.m. 12 m. 11 10 KGO (361.2m-830kc), Alameda Sciots' band. WSAI (325.9m-920kc), Maids of Melody.

Saturday, silent night for: CNRA, CNRC, CNRE, CNRM, CNRR, CN

WJAZ, Chicago, III. (329.5m-910kc), 9-1 a. m., Earl Hoffman's Chez Pierre orchestra; program from Pierre's

WJAZ. Chicago, III. (323.5m.-910ke), 9-1 g. m., Loaries studio, Zenith artists.
WJJD. Mooscheart, III. (370.2m.-810ke), 7:45 a. m., Roman Catholic sorvices; 9:40, Protestant services; 2:30 p. m., concert; 3:30, Bible class; 4-5, Palmer Heuse symphony orchestra.
WJR, Pontiac, Mich. (516.9m-580ke), 7 p. m., Jean Goldkette's serenaders; 9:30, symphony; II:30, Merry Old Chief.
WLIB, Chicago, III. (302.8-990ke), 7-7:05 p. m., million sing; 7:15-7:30, Drake concert ensemble; Blackstone string quintet; 7:30-8, Drake concert ensemble; Pattison Coates, bartione; III:20, Correll and Gosder, II:20-1 a. m., Ambrose Larsen, organist; Purple Grackle orchestra.
WLS, Chicago, III. (344.6m-870ke), 7 p. m., lullaby time; 7:15-1 a. m., national barn dance.
WLW, Cincinnati, Ohio (422.3m-710ke), 7 p. m., Johanna Grosse, organist; 7:30, Sokatary Hawkins Radio club; 8:30, seenes from "Mirella"; 9, Germantown program; 9:30, Castle Farm.
WMAQ, Chicago, III. (447.5m-670ke), 6 p. m., Chicago
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Atlantic or Eastern Daylight Saving

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Time Stations

CFCA, Toronto, Can. (356.9m-840kc), 9 p. m., CFCA
summer orchestra.

WAHG, Richmond Hill, N. Y. (315.6m-950kc), 12 midnight, Midnight variety program.

WEAF, New York, N. Y. (491.5m-810kc), 6-12 midnight, Parnassus trlo; musical comedy hits; Etta
Kabram, planist; Pelham Heath Inn orchestra; VIncent Lopez and his orchestra.

WEEI, Boston, Mass. (348.6m-860kc), 7:40 p. m.,
Lucerne-in-Maine quintet; 8:10, Pop concert.

WFI, Philadelphia, Pa. (394.5m-760kc), 6:30 p. m.,
Bellevue Stratford concert orchestra; 7, Pellevue Stratford dance orchestra; 8:30, Constance Neville Johns,
sopprano, and York M. M. (215.6m-950bla), 6:30.

ord dance orchestra; 8:30, Constance Neville Johns, soprano.

WGBS, New York, N. Y. (315.6m-950kc), 6:30 p. m., Vincent Sorey concert trio; 7:10, Sorey concert trio; 7:15, travel talk; 7:30, Areadia orchestra; 8:30, Jsland City Lodge, Symphony orchestra; 8:45, Bergen County Veterans' band; 10:30, Arrowhead Inn dance orchestra;

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

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

WIP, Philadelphia, Pa. (508.2m-590kc), 8:15 p. m., Seasuleentennial program; Hans Schlegel, flutist, Phila orchestra; Lawrence Summers, violinist; Loulse Hazel Steret, soprano; Flora Ripka, accompanist; 9. The Persian Garden song eyele; 10:05, El Patio dance orchestra; 11:05, organ recital, Germantown theater.

WIZ, New York, N. Y. (454.3m-660kc), 7 p. m., Hotel Madison concert orchestra; 8 WRC; 11, WRC.

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

WMAK, Buffalo, N. Y. (265.3m-1130kc), 7:30 p. m., Hotel Ononduga, WGY; 8:30-10, musicale.

WMCA, New York, N. Y. (340.7m-880kc), 6 p. m., Olcott Vall and his Hotel McAlpin string ensemble; 7. Toppen's orchestra; 10, Norman Pearce, readings; 11, Ernie Golden and his Hotel McAlpin orchestra; 12 midnight, McAlpin entertainers.

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

WOR, Newark, N. J. (406.2m-740kc), 6:30 p. m., Jacques Jacobs' Hotel Shelton ensemble; 7:30, Vans Collegians; 8, Orange Chamber of Commerce program; 8:45. Copenhagen quartet; 9:15, LaForge-Berumen musicale; 11, Larry Siry'a Hotel Ambassador orchestra.

WPG, Atlantic City, N. J. (299.8m-1000kc), 6:35 p. m., Arthur Seott Brook, organist; 7, Hotel Morton dinner music; 7:30, Elks Home dinner music; 9, Hotel Traymore concert orchestra; 10, Million Dollar Pier dance orchestra; 10:30, Garden Pier dance orchestra; 11:30, Elks Home dance orchestra; 11:30, Elks H

Eastern Standard or Central Daylight Saving Time Stations
Pittshurgh, Pa. (309.1m-970kc), 5:30 p. m., ghouse band concert; 8:30, concert, Westing-

house band.

WBBM, Chicago, III. (225.4m-1330kc), 8-2 a. m., Alemite orchestra; Ziegler Stars; Tlp trio; Smith and Ford; Alemite orchestra; Vanity Fair orchestra.

Ford; Alemite orchestra; Vanity Fair orchestra.

WBZ, Springfield. Mass. (333.1m-900kc), 6 p. m.,
Capitol theater orcheistra; 6:33. Dr. D. Staley, reader;
8, Graydon trio; Helen Hegel, cellist; Luey Norton,
violinist; Lena Graydon, planist; 9, Mrs. Philip Hansling, soprano; R. Hansling, tenor; 9:30, Bob Patterson's orchestra.

WEBH, Chicago, III. (370.2m-810kc), 7-8 p. m., songs,
Frank Greif; 9-10, Edgewater Beach hotel Ortole
orchestra; 11-12 midnight, Ortole orchestra; Kay Ronayne; 1 a. m., Ortole orchestra; 1-2, frolle.

WGN, Chicago, III. (302.8m-990kc), 6:45-7 p. m., musleal program; 8-8:10, Auld Sandy; 8:10-8:30, musical
program; 8:30-9:30, light opera concert; 9:30-10, oldtimo prize fight; 10-10:10, Sam 'n Henry; 10:10-11,
ensemble.

timo prize light; 10-10-10, 5am in 10-10, 10, ensemble, III. (399.8m-750ke), 7:10 p. m., Al Carney, organist; 10:15 (238m-1260ke), Cinderella cafe orchestra; 10:50 (399.8m-750ke), Jack Turner, popular singer; Irene Smith: Pan Dandy trio; Badger Four male quartet; 12 midnight, your hour league.

WIBO, Chicago, III. (225.4m-1390ko, 6-8 p. m., dinner concert; string trio; Frances Schiebe, soprano; Evelyn Elliott, contralto; James Luschanski, trio.

wmbb, Chicago, III. (249.9m-1200ke), 7-8 p. m., Tria-non ensemble; Hilda Hinrichs, cellist; Margaret Con-rad, vlolinist; Preston Graves, pianist; Franklin Kidd, tenor; Arvid Anderson, baritone; 9-11, Trianon or-chestra; Woodlawn theater orchestra; ensemble; Hilda Hinrichs, cellist; Margaret Conrad, violinist; Jimmy Eggert; Andy Anderson; Jack Goodwin, Trianon synco-pators

Egget; Andy Anderson; Jack Goodwin, Trianon symeopators.

Ok Chicago, III. (217.3m-1380kc), 4:39-7 p. m., Capitol theater organ; ensemble; studio program; 10-1 a. m., Tearney's Town club orchestra; Midway Garden orchestra; Preshing Palace orchestra; Capitol theater program; 1-2, orchestra; Capitol Dewindt; Bob and Hazel McOskor; Roy Clark, Harold DeWindt; Bob and Hazel McOskor; Freddie Gleason, Thelma Dykman.

WORD, Batavla, III. (275.1m-1090ke), 7 p. m., Webster hotel concert; 9, studio program.

WOJ, Chicago, III. (447.5m-670ke), 7-8 p. m., Rainbo Gardens orchestra; Jean Carlson, soprano; Kenyth Dunn, pianist; Peter Gruber, violinist; 10-8 a. m., Jerry Sullivan; Harry Geise; Joe Warner; Rita McFawn; Mary Bieber; Bert Davis.

WRC, Washington, D. C. (488.5m-640ke), 7:30 p. m., Hotel Wushington orchestra; 8:30, music; 10, Hotel Mayflower orchestra, WJZ; 11, Otto F. Beck, organist.

WSAI, Cincinnati, Ohio (325.9m-920ke), 8 p. m., chimes;

Maynower ornestra, W.2; 11, Otto F. Beck, organist. WSAI, Cincinnati, Ohio (325,9m-920kc), 8 p. m., chimes; 8:15, news; 8:30, Bicycle Playing Card sextet; 12, Lelia LeMar, Latonia Melody Boys; Norinne Gibbons, Priscilla Holbrook, Irene Beasley, Malds of Melody. WSWS, Chicago, 111. (275.8m-1090kc), 6 p. m., Chicago serenaders; 8, Gus Edwards orchestra; Oxford Girls; Jack Ford; John Clark, ballads; Terrace Gardens orchestra.

Jack Ford; John Clark, ballads; Terrace Gardens orehestra.

WTAM, Cleveland, Ohio (389.4m-770ke), 6 p. m., Collegian serenaders; 7:30, studio program; 8, Hollenden
hotel orchestra; 9, Ev Jones and his gang.

WTIC, Hartford, Conn. (475.9m-630ke), 5:50 p. m.,
Bond trio; 7:30, George S. Owen, tenor; Mrs. George
Taylor, contraito; 8, Louise H. Velle, soprano; Charles
Favali, tenor; Eugene T. Oviatt, planist; 8:30, Elizabeth A. Reese, contraito; 8:45, Kenneth Childs, baritone; 9, Surprise package; 9:30-10:30, Carroll's Palais
Royal dance orchestra.

Central Standard Time Stations KFAB, Lincoln, Nebr. (340.7m-880kc), 5:30-6:30 p. m., dinner concert; 8:30-10:30, variety program, KFAB

artists.
KFH, Wichita, Kans. (267.7m-1120kc), 7 p. m., J. O. Adams Music company.

KFNF, Shenandoah, Iowa (263m-1140kc), 7 p. m., concert, Irwin, Iowa; 11, old-time music.

KLDS, Independence, Mo. (440.9m-680kc), 8 p. m., studio program, Mrs. Joe Cope, soprano.

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

dio program, Mrs. Joe Cope, soprano.

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

KMOX, St. Louis, Mo. (280.2m-1070kc), 6:30 p. m., dinner recital, Mrs. Jacque Landree, organist; 8. Cotton Pickers; Herbert Paschen, musical saw soloist; light opera selections; 9. Marguerite Schmidt, planist; soloists; 9:30, John Sauter, flute soloist; Mrs. Jacque Landree, organist; 11, Rendezvous club, orchestra, Al and Bob, soloists.

KOIL, Council Bluffs, Iowa (277.6m-1080kc), 6:03 p. m., "Y" Ploneer Radio elub; 6:30, Lee Kearse, planist; 7:30, Mono Motor four; 8, Cass Double-Violin trio; 11, Tatte Tales.

KPRC, Heuston, Texas (296.9m-1010kc), 7:30 p. bn., Bible class; 8:39, Frank Tilton, planist; 10:30, Harold Oxley's Warwich hotel orchestra.

KSD, St. Louis, Mo. (345.1m-550kc), 7 p. m., Lyric Skydoms, St. Sp. Mational Park, Ark. (374.8m-800kc), 9:10-9:45 p. m., Lawson Reid, organist; 9:45-10:30, New Arlington Hotel Mayer Davis orchestra.

New Arlington Holel Meyer Davis orchestra.

KYOO. Bristow. Okla. (374.8m-800kc), 6-9 p. m., Marshall Van Pool and his Radio orchestra.

KYW. Chicago. III. (535.4m-560kc), 6 p. m., hour of music; 7, KYW's Congress hotel studio; 8-9:30, classical concert; 9:30-11, Congress carnival.

WBAP, Fort Worth, Tex. (475.9m-630kc), 9:30-11 p. m., Hired Hand's Little symphony.

WCCO. Minneapolis-St. Paul, Minn. (416.4m-720kc), 6:15 p. m., Emmet Long's Golden Pheasant orchestra;

Novelties produced only on the accordion Novelties produced only on the accordion and the banjo are promised listeners for Friday evening June 11, at WGR, Buffalo, when Anthony Lombardo and John Faulis, left, appear. They are natives of Jamestown, N. Y., and have been heard over their home station, WOCL. Above is an accomplished young pianist, Margaret Quinn, who is a frequent visitor at WLW.

who is a frequent visitor at WLW.

8:15, Dick Long's orchestra: 9:15, musicale: 10:05, Emmet Long's Golden Pheasant orchestra.

WDAF, Kansas City, Mo. (365.6m-820kc), 6:7 p. m., Zez Confrey's orchestra; organ music; 11:45-1 a. m., Nighthawk frolic.

WFAA. Dallas, Texas (475.9m-630kc), 6:30-7:30 p. m., Jimmy Joy's orchestra; 8:30-9:30, Hubbioll club; 11-12 midnight, Jack Gardner's orchestra.

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

WOAW, Omaha, Nebr. (526m-570kc), 6:50 p. m., orchestra; 7:15, Creighton educational period; 9, Junior Chamber of Commerce Funcaters; 10, organ.

WOC, Davenport, Iowa (483.8m-620kc), 5:45-5:55 p. m., chimes concert; 9-10, musical program, Robert McAulcy, baritone; Russell Homan, violinist; Novelty comody trio.

WRR, Dallas, Texas (245.8m-1220kc), 6-7 p. m., Jack Gardner's orchestra; 8-9 A. Harris and company.

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

WSM, Nashville, Tenn. (282.8m-1060kc), 7 p. m., Beasley

Atvater Kent nour; 10:43, Journal Hired neep Sylark.

WSM, Nashville, Tenn. (282.8m-1060ke), 7 p. m., Beasley
Smith's orchestra; 8:15, popular studio program.

WSMB, New Orleans, La. (319m-940ke), 8:30 p. m.,
Mrs. Meyer Prince and artists.

WSOE, Milwaukee, Wis. (245.8m-1220ke), 7 p. m.,
Elks cluh studio; 9, Lakefront studio program.

WSUI, Iowa City, Iowa (483.6m-620ke), 8 p. m., University band.

Mountain Standard Time Stations
KOA, Denver, Colo. (322.4m-930kc), 9 p. m., Harmony
Peerless orchestra.

Pacific Standard Time Stations

[F], Los Angeles, Calif. (467m-642ke), 7-8 p. m.,
Al Wesson's orchestra; 8-9. comic opera program;
9-10, popular program;
10-11. Packard Radio club;
11-2 a. m., KFI midnight frolie, Carey Wilson, master of cerepones. ter of ceremonics.

KFOA, Seattle, Wash. (454.3m-660kc), 8:15-9:30 p. m., all-artlst studio program; 9:30-11, Jackie Souders and his Club Lido Serenaders.

all-artist studio program; 9:30-11, 3acht Soudors and his Club Lido Serenaders.

KFWB, Hollywood, Calif. (252m-1190kc), 6:30-7:30 p. m., Pontiac Six dinner hour; 7:30-7:45, Little Ant Man; 8-9, program, Smith Investment company; 9-11, Warmer Brothers frolic with Len Nash and his Country Boys, K60, Oakland, Calif. (361.2m-830kc), 8:10 p. m., Tupper and Reed program; Dorothy Crowell, violinist; Forrest Phillips, tenor; Midred Johnson, violinist; Helon Crawford, planist; 9-10, Alameda Sclots' band; 10-12:30 a. m., dance.

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

KHJ, Los Angeles, Calif. (405.2m-740kc), 6:30-7:30 p. m., Children's hour with Uncle John; 8-10, Tower studio, program.

KHJ. Los Angeles, Calif. (405.2m.740kc), 6:30-7:30 p. m., Children's hour with Uncle John; 8-10, Tower studio program.
KNX, Hellywood, Calif. (336.9m.890kc), 7:30-8 p. m., studio program; 8-9, Luna Park program; 9-10, feature program; 10-11. Coccanut Grove dance orchestra; 11-2 a. m., KNX Hollywood Nite with the Filmland frolle.
KPO, San Francisco, Calif. (428.3m.700kc), 6:30-7:20 p. m., States Restaurant orchestra; 8-12, Fairmont hotel dance orchestra; Maurice Gunsky, tenor; Merton Bories, planist.
KPSN, Pasadena, Calif. (315.9m-950kc), 8-9 p. m., Star-News concert hour.

Sunday, June 6

Headliners Today

Atlantic Early Mountain Paoiffe 6:15 p. m. 7:15 6:15 5:15 5:15 4:15

WEAF (491.5m-610kc), WGN, WSAI, WCAE, WGR, WJAR, 7:30 6:30 5:30 4:30

WBAL (245.8m-1220kc), Twillight musicale.

WFAA (475.9m-630kc), Mandolln and Guitar club. 9 8 7

CFCA (356.9m-840kc), Mandolln and Guitar club. 9 8 7

CFCA (356.9m-840kc), "The Carnival at Seville," Radio play.

Radio play. 1:30 9:30 8:30 7:30

KPRC (296.9m-1010kc), McFarland-Cochran string trips. trio. 12 m. 11 10 10 KHJ (405.2m-740ke), Orpheus Four.

Sunday, silent night ::: CFAC, CHIC, CKC CNRA, CNRC, C** CM, CNPC CNRV, CNRW KFXF, KLX,

Sunday, June 6

KSAC, KSO, KUOA, KWSC, WABQ, WAHG, WAIU, WCAU, WDAF, WEAO, WEBJ, WEBW, WFI, WGBF, WGHP, WGHP, WHA, WHAS, WHAZ, WIP, WJAJ, WJAZ, WJJD, WJR, WKAF, WKAR, WMAQ, WMAZ, WMC, WOYC, WOI, WOOD, WRC, WRVA, WSB, WTAM, WTIO.

Atlantic or Eastern Daylight Saving

Time Stations

CFCA, Toronto, Can. (356.9m-840kc), 9 p. m., Hunts-

Time Stations

CFCA, Toronto, Can. (356.9m-840kc), 9 p. m., Huntsville band.

WBBR, New York, N. Y. (272.6m-1100ko), 10 a. m., violin-viola duets; 2 p. m., Watchtower orchestra; Bible lecture; artists; 9, Bible talk.

WCAU, Philadelphia, Pa. (277.6m-1080kc), 11 a. m., services, First Unitarian church; 5, recital; 5:15, Unitarian; 6:45, Clarence Seaman's Hotel Pennsylvania orchestra; 7:45, Cathay Tea Garden orchestra; 8:30, Barry O'Moore and Bonwit Teller ensemble; 9, Lester and F. A. North.

WEAF, New York, N. Y. (491.5m-610ke), 3-4 p. m., church service; 4-4:30, sacred music; 4:30-5:30, Fcdertlon mixed quartet; 7:20-9:15, Capitol theater; 9:15-9:45, Atwater Kent Radio hour, Allen McQuhae, tenor; 9:45-10:15, "The Carnival at Seville." WFI, Philadelphia, Pa. (394.5m-760kc), 7:30 p. m., services, Arch Street M. E. church.

WGBS, New York, N. Y. (319m-940kc), 10:45 a. m., Westministor Presbyterian church; 7:45, Central Presbyterian church; 9:15. WEAF, WHAR, Atlantic City, N. J. (275.1m-1090kc), 10:45 a. m., Chelsea Baptist church; 2:15 p. m., sacred recital, Seaside hotel trio; 7:50, Chelsea Baptist church; 9, with the classics, Seaside hotel ensemble. WHN, Now York, N. Y. (361.2m-830kb), 11:30 a. m., Calvary morning services; 12:30 p. m., Loew's Lexington organ recital; 2, Queens County Christian Endeavor program; 3, Radio Bible class; 5, Roseland danco orchestra; 7:30, Calvary evening services; 10:45, Janssen's Hofbrau; 12 midnight, Sophie Tucker's play-ground.

WIP, Philadelphia, Pa. (508.2m-590kc), 7:15 p. m., services, Holy Trinity church.

Janssen's Hofbrau; 12 midnight, Sophie Tucker's play-ground.

WIP, Philadelphia, Pa. (508.2m.590ke), 7:15 p. m., services, Holy Trinity church.

WIAR, Providence, R. I. (305.9m-980ke), 7:20 p. m., WEAF; 9:15, WEAF;

WIZ. New York, N. Y. (454.3m-660ke), 7 p. m., Park Avenue Baplist church Carllion; 7:20, Hotel Pennsylvania concert orchestra; 8, Bakelite hour; 9, Hotel Commodore concert orchestra, WGY; 10, Godfrey Ludlow, violinist, WGY, Pa. (394.5m-760ke), 2 p. m., Arcadia cafe concert orchestra.

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

WMCA, New York, N. Y. (340.7m-880kc), 11 a. m., services, Christian Science church; 5:25 p. m., Halpert and Fryzell, Buch-A-Neers; 7, Ernie Golden and his Hotel McAlpin orchestra; 8:30, California Ramblers.

blers.

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

Eastern Standard or Central Daylight

Saving Time Stations
WBAL, Baltimore, Md. (245.8m-1220kc). 7:30-8:80
WBAL, concert orchestra.
WBBM, Chicago. III. (225.4m-1330kc). 12:30-2 p. m.,
American music ensemble; 4-6, music; 12, Nutty club.
WCAP, Washington, D. C. (468.5m-640kc), 11 a. m.,
Yermont Avenue Christian church; 4 p. m., Peace
Cross, Washington Cathedrai; 6:20, WEAF; 8:15,
WEAF.

WEAP. (1985). Washington. W. (1987). W. (1987). W. (1987). W. (1987). W. (1987). W. (1987). William C. Dunn, euphonium soloist. WEBH. (hicago, III. (370,270-810kc), 10:40 a. m., Seventh Church of Christ, Scientist; 7-9, artists' pro-

Seventh Church of Christ, Scientist; 7-9, arusts program,
WGHP. Detroit, Mich. (270.1m-1110kc), 11 a. m.,
Grosse Pointe Memorial church
WGN, Chicago, III. (302.8m-990kc), 6:45-7 p. m., musical program; 7-7-20, The Million Sing; 7:20-7:30,
Old-Fashloned Almanack; 7:30-8, Curfew Capers; 8:158:45, WEAF; 8:45-9, music; 9-10, "Our Music Room";
10-10:10, Sam "n' Henry; 10:10-11, musical program,
WGY, Schenectady, N. Y. (379.5m-790kc), 10 a. m.,
Baccalaureate service; 3:30, p. m., Elmer A. Thompson, organ recital; 7-9:30, WJZ.
WHT, Chicago, III.. (399.3m-750kc), 1-11:30 p. m.,
Paul Rader.

WIBO. Chicago, III. (225,4m-1330ke) 10:15 a. m., First M. E. church of Evanston; 2-4 p. m., program, Uptown Conservatory of Muslc; 6-8, dinner concert, string trio; Helen Snyder, Eugene Wallenlous, Robert Wessling; 10-12, popular program, artists.
WJAZ, Chicago, III. (329,5m-910kc), 7-9 p. m., classical program, the Spanish Garden studio.
WJR. Pontiac, Mich. (516,9m-580kc), 10:30 a. m., First Baptist church.
WLIB. Chicago, III. (302,8m-990kc), 5-6:15 p. m., Arabian Nights' entertainment.
WLS, Chicago, III. (344,6m-870kc), 10:45 a. m., U. of Chicago church service; 12:30-2 p. m., Ralph Emerson, organist; 7-8:55, WIS, Little Brown church.
WLW, Cincinnati, Ohio (422,3m-710kc), 9:30 a. m., Sunday school, Editorial Staff of Sunday school publications; 10:45, Seventh Presbyterian church; 3, p. m., organ concert; 8:30, Crosley Evening orchestra: Christine Colley, violinist.
WMBB, Chicago, III. (249,9m-1200kc), 7:40-9 p. m., Fifth Church of Christ, Scientist; 9-11, Trianon orchestra; Woodlawn theater orchestra; Arvid Anderson, Preston Graves, Scotty Welch and Madison Sisters; popular program.
WOK, Chicago, III. (217,3m-1360kc), 6 p. m., 1 a. m., Fersing Palace orchestra; Capitol theater musical program; ensemble; studio program.
WQI, Chicago, III. (247,5m-870kc), 10 a. m., People's church; 3-4 p. m., Resurrection church choir; 8-10, Rainbo Gardens orchestra; Henry Welse, violinist; Herman J. Techentine and artists.
WSAI, Cincinnati, Ohio (325,9m-920kc), 11 a. m., Moody church; 3-6, m., Resurrection church choir; 8-10, Rainbo Gardens orchestra; Henry Welse, violinist; Herman J. Techentine and artists.
WSAI, Cincinnati, Ohio (325,9m-920kc), 11 a. m., Moody church; 3-30, m., Resurrection church choir; 8-10, Rainbo Gardens orchestra; 8, twilight hour.
WJM, Cieveland, Ohio (389,4m-770kc), 11 a. m., Moody church; 3-10, m., afternoon popular service; 7-9-30, crening song service.
WTAM, Cieveland, Ohio (389,4m-770kc), 11 a. m., St. Paul's Episcopal Cathedral; 2 p. m., News orchestra; 4, organ recital; 6-20, WEAF; 8:15, operati

Central Standard Time Stations

Central Standard Time Stations

KFAB, Lincoln, Nebr. (340.7m. 890kc), 4-5 p. m., vesper service; 9-11, Sunday evening musicale.

KFNF: Shenandosh nwa (263m.140kc), 10:45 a. m., M. E. church; 2:30 p. m., Golden Rule song service; 3. Swedish Mission bum, Golden Rule song service; 3. Christian church; 6:30, Golden Rule Circle; 8. Christian church; 6:30, Golden Rule church; 6:30, Radio vesper service; 9:16, Stone church cholr.

KMA, Shenandosh, Iowa (252m.1190kc), 8:30-9:30 a. m., Sunday morning sacred service; 12:5-1:15 p. m., sacred song service; 4-5, Mens' gospel team.

KMOX, St. Louis, Mo. (280.2m.1070kc), 8 p. m., The Frincipla, KFQA; 9, popular entertalment, Skouras Brothers' Sunday Night clus.

KOIL, Council Bluffs, Iowa (277.6m-1080kc), 11 a. m., First Congregational church; 7:30, Al Reese and his Broadway orchestra; 11, Emma Bouge, planist; Grace D. O'Brien, soprano; John T. Reagan, violinist; H. Arron Marko, tenor.

KPRG, Houston, Texas (296.9m-1010kc), 10:50 a. m., First Church of Christ, Scientist; 8, p. m., South End Christian church; 9:30, McFarland-Cochran string trio; Marjorie McFarland, violinist; Jean McFarland, cellist; Marle Herb Cochran, planist; 11, Texan the ater organ.

KSD., St. Louis, Mo. (545.1m-550kc), 5:15 p. m.,

ater organ.

KSD, St. Louis, Mo. (545.fm-550kc), 5:15 p. m.,

WEAF. , Clarinda, lowa (241.8m-1240ke), 10:50 a. m.,

WEAF.

KSO, Clarinda, Iowa (241.8m-1240ke), 5:15 p. m., church services.

KTHS, Hot Springs National Park, Ark. (374.8m-800ke), 11 a. m., First Baptist church; 9 p. m., classic hour, Meyer Davis ensemble.

KYOO, Bristow, Okla. (374.8m-800ke), 12:80-7 p. m., pipe organ; Rev. Leeper and his twenty-piece string band; Laughton Family; Oklahoma Cowboy band; Cushing Military band; 7:30-9, Worship hour.

KYW, Chicago, III. (535.4m-560ke), 10 a. m., Central church; 6 p. m., Chicago Sunday Evening club; 8:30-10, classical concert.

WBAP, Fort Worth, Tex. (475.9m-630ko), 11 a. m., First Presbyterian church; 5-6 p. m., musical program; 9:30-11, Business and Professional Women's glee club.

WDAF, Kansas City, Mo. (365.6m-820kc), 3-4 p. m., program, Harry J. Kaufman giring ensemble; 4-4:45, vespers.

WFAA, Dallas, Tex. (475.9m-630kc), 6-7 p. m., Radio Bible class; 7:15-8, Tom D. Collins and his stringed anstrument orchestra; 8-9, First Baptist church; 11-12, Ligon Smith's orchestra.

WHAS, Louisville, Ky., (399.8m-750ke), 9:57 a. m., organ predude; 10, Fourth Avenue Presbyterian church; 4:50-5:30 p. m., choral evensong service.

WHB, Kansas City, Mo. (365.6m-820ke), 9:45-10:45 a. m., Linwood Blvd. Christian church; 1:10-12:30 p. m., Independence Blvd. Christian church; 8-9,

services; 11:15-1 a. m., Morrill Moore, organist; Don Anchors, poet.

MRIOTS, DOST.

WHO, Des Moines, lowa (528m-578ke), 11 a. m., University church services; 4-5 p. m., special request program; 5-6, Bankers Life tric; Myrtle Williams, soprano; Stewart Watson, baritone; 7:30-8:30, Fourteenti Cavalry band; 11-12 midnight, Bankers Life Little symphonic orchestre.

symphonic orchesira.

WOAI, San Antonio, Tex. (334.5m-760ke), 11 a. m., First Presbyterian church; 7:45, Central Christian church. WOAW, Omaha, Nebr. (526m-570ke), 9 a. m., Rev. R. Brown; 1:30 p. m., Father and Flanagan's Boys' home period; 9, chapel service.

WOC, Davenport, towa (433.6m-620kc), 1-2 p. m., Old Folks' Musical program, Palmor Little symphony; Paul Vipperman, tenor; 8-8:30, First Christian church of Davenport; 9:30-10:30, Palmer Little symphony.

WSR Atlanta 62, (428.3m-700kc), 5 p. m. reared.

WSB, Atlanta, Ga. (428.3m.700ke), 5 p. m., sacrec concert; 7:30, Wesley Memorial Methodist church.

WSM, Nashville, Tonn. (282.8m.1060ke), 7:30 p. m., First Presbyterian church.

WSOE, Miwaukee, wis. (245.8m-1220ke), 5 p. m., twilight concert; 7:30, M. E. church.
WSUI, lowa City, lowa (483.6m-620kc), 4 p. m., baccalaureate address, Rev. Dwight W. Wylie; 9, familiar bymns, Mrs. L. G. Lawyer.

Mountain Standard Time Stations

KOA, Denver, Colo. (322.4m-930kc), 11 a. m., First Baptist church; 6:30 p. m., KOA choristers; 7:45, First Baptist church.

Pacific Standard Time Stations KFI, Los Angeles, Calif. (467m-642ke), 7-7:30 p. m., Grebe Synchrophase string ensemble; 7:30-8, Jim, Jack and Jean trio; 8-9, Aeolian organ; 9-10, Holly-wood Californians dance orchestra; 10-11, Packard Six dance orchestra.

uance orchestra.

KFWB, Hollywood, Calif. (252m-1190kc), 9-11 p. m., Warner Brothers Sunday night movie frolic.

KGO, Oakland, Calif. (361.2m-830kc), 11 a. m., First Baptist church; 3:30 p. m., vesper service; 7:45, First KGW

KGW, Portland, Ore. (491.5m.610ke), 10:45-12 noon, First Congregational church; 7:30-9 p. m., services, First Presbyterian church; 9-10, Chevrolet symphony organization.

First Presbyterian church; 9-10, Chevrolet symphony orchestry orch

Monday, June 7

Headliners Today Atiantio Page 1 Central Mountain Pacific 5 Page 1 CHYC (410,7m-730kc), Kiwanis meeting. KFRU (874.8m-800kc), Oklahoma's Sweetheart of the Air.

Monday, silent night for: CKAC, CNRA, CNRC, CNRE, CNRM, CNRO, CNRR, CNRT, CNRY, CNRW, KFAU, KFMX, KFWA, KHJ, KPSN, KSAC, KYW, WBBM, WCBD, WEAD, WEBH, WEB, WBW, WHAS, WHT, WGBF, WGBS, WGES, WGN, WHAS, WHT, WIBO, WIP, WJAZ, WIJD, WLIB, WLS, WMAQ, WMBB, WOAI, WOC, WOK, WORD, WQJ, WRC.

Atlantic or Eastern Daylight Saving

Atlantic or Eastern Daylight Saving
Time Stations

CKNC, Toronts, Can. (356.9m-840ke), 9 p. m., CKNC chamber orchestra; (856.9m-840ke), 9 p. m., CKNC chamber orchestra; Eveready male quartet.

WAHG, Richmond Hill, N. Y. (315.6m-950ke), 7:30 p. m., Watter looss, noretly planist; 8, Synchrophase hour; 9, Major Dent Atkinson; 9:15, studio program; 10. John and Harry Dichl, plano and zither; 10:20, Ferrucci's Radio Raiders; 11:02, Ferrucci's Radio Raiders; 12 midnight, Frank Tremer's Orionites.

WBBR, New York, N. Y. (272.6m-1100ke), 8 p. m., Irene Kleinpeter, soprano; 8:20, vocal duet.

WCAU, Philadelphia, Pa. (277.6m-1080ke), 7:15 p. m., scores; 7:30, N. Snellenburg and company, recttal; 8. Carolyn Thomas, soprano; 8:30, Hood Boys; 8:35, Kathryn Fitchthorne, contralto; 9, The Merry Minstrels; 9:30, recital; 9:45, Chalfont sisters, harmony songs; 10:10, Jackson and Ellis, Radio Sweethearts; 10:30, Myers Musical Architects.

WEAF, New York, N. Y. (491.5m-610ke), 4-12 midnight, Blanche Kraft Fink, soprano; Beatrice Nover, reader; dinner music; Virgina Richards, soprano; Angelus quartet; A. and P. Gypsies; "Tales of Hoffman," grand opora; Ben Bernic and his orchestra.

WEEL, Boston, Mass. (348.5m-860ke), 7:30 p. m., musicale; 8:15, Varsity Tire entertainers; 8:45, musicale; 9, WEAF; 10, Ed Andrews and his Nautical Gardens orchestra.

WEI, Philadelphia, Pa. (394.5m-760ke), 6:30 p. m..

orchestra.

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

Bellevue Stratford concert orchestra; 7, Bellevue Stratford dance orchestra.

WGR, Buffale, N. Y. (319m-940kc), 6:30 p. m., Knell's Tokio dance orchestra; 8, Mrs. Suzanne Steele, reader; 9, Jackson glee club; 10, two-plano recital, Ruth Spaeth, Helen Maxwell; 10:30, Tom and Betty Thomas, popular program; 11, Vincent Lopez Hotel Statler dance orchestra; 11, Vincent Lopez Hotel Statler dance orchestra.

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

WHN. New York, N. Y. (361.2m-830kc), 6:30 p. m., WHN morie club; 8, Roseland dance orchestra; 8:30, George's surprise; 9, Leverich Three and "Peter the Great"; 9:30, Loew's New York orchestra; 10, Palisades Amuscement Park orchestra; 10:30, Leroy Smith's orchestra; 11, Cotton club orchestra; 11:30, Club Alabam orchestra; 12, Silver Silpper orchestra.

WIP, Philadelphia, Pa. (508.2m-590kc), 6:35 p. m., Benjamin Franklin concert orchestra; 7, Uncle Wip's bedtime stories.

Benjamin Franklin concert orcnestra; , bedtime stories.

WJAR. Providence, R. 1. (305.9m-980kc), 7:45 p. m., musicale; 9, WEAF; 10, WEAF.

WIZ, New York, N. Y. (454.3m-660kc), 7 p. m., Hotel Madison dinner concert; 7:55, John B. Kennedy; 8, Astor Coffee orchestra; 9, Reading Seashore band; 10, Moorland hour; 10:45, Harry Leonard's Waldorf-Astoria theater.

Mooriand hour; 10:45, Harry Leonard's Waldorr-Astoria theater.
 WLIT, Philadelphia, Pa. (394.5m-760ke), 7:30 p. m., Dream Daddy's bedtime stories; 8, recital; 9, Stanley hour of Music; 10, Arcadla cafe dance orchestra; 10:45, Arcadla cafe dance orchestra; 10:45, El Patio dance orchestra; 10:45, El Patio dance

Arcadia cafe dance orchestra; 10:45, El Patio dance orchestra.

WLWL, New York, N. Y. (288.3m-1040ke), 8:30 p. m., program; 9:30, Schickerling concert; 10, study club; 10:35, St. Cecelia ensemble.

WMCA, New York, N. Y. (340.7m-880ke), 6:30 p. m., Ernie Golden and his Hotel McAlpin orchestra; 9:15, Hardman hour of music; 10:15, McAlpin news editor; 12 mid., McAlpin entertainers.

WOO. Philadelphia, Pa. (508.2m-590ke), 7:30 p. m., Ritz Carlton dinner dance orchestra; 8, talk; 8:10, organ recital, Mary E. Vogt; 9, WEAF; 10, WEAF; 11, Adelphia dance orchestra.

WOR, Newark, N. J. (405.2m-740ke), 6:30 p. m., Jacques Jacobs Hotel Sheiton ensemble; 7:30, Copenhagen quartet; 8:45, Klein's Serenading Shoemakers; 11, Fire Messner Brothers.

Eastern Standard or Central Daylight Saving Time Stations

Saving Time Stations

WBAL, Baltimore, Md. (245.8m-1220ke), 6:30-7:30 p. m., WBAL dinner orchestra; 7:30-8, Sandman clrele; 8-10, concert program; 10-11, WBAL ensemble.

WBBM, Chicage, III. (225.4m-1330ke), 8-12 midnight, Moss Covered melodles; Howard Osborne's vanity fair orchestra; Matched-Unit quartet.

WCAP, Washington, D. C. (468.5m-640ke), 6:30-7 p. m., studio program; 8-10, WEAF;

WGHB, Clearwater, Fla. (265.3m-1130ke), 8:80-10 p. m., Mrs. Carl Stevens, Ticket Holmes.

WGHP, Detroit, Mich. (270.1m-1110ke), 6 p. m., dinner concert; 8, Little symphony orchestra; Leona Mitchell, soprano; T. Stanley Perry, tenor; 8:30-9:30, Famous Composer's hour; 9:30-10, Little symphony orchestra; 12-1 a. m., Gerald Marks' orchestra.

WGY, Schenectady, N. Y. (379.5m-790ke), 5:30 p. m., Hotel Van Curlor orchestra; 8:30, WGY orchestra; C. Curningham, baritome; 8, WGY orchestra; C. Curningham, Daritome; 8, WGY orchestra.

WHAZ, Troy, N. Y. (379.5m-790ke), 8:30 p. m., Emma Willard School conservatory of music; 9:45, dance orchestra.

WIE Pantiac, Mich. (516.9m-580ke), 7 p. m., Jean

chestra. WJR, Pontiac, Mich. (516.9m-580kc), 7 p. m., Jean

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.

Tuesday, June 1 Tuesday, June 1

Atlantic Eastern Central Mountain Pacific
1 p. m. 12 n. 10

WRC (468.5m-640kc), Fifty Farm flashes.
2:35 1:35 10:45

KSAC (340.7m-880kc), "Forage Crops." An
Adequate Diet for Growing Pullets."
2:45 11:45 10:45

WMAQ (447.5m-670kc), Radio farm school.
WOI (270m-1110kc), "Animal Husbandry."
9:33 8:33 7:33 6:33

KYW (585.4m-560kc), American Farm Bureau
Federation. 10:30 9:30 8:30 7:30 6:30 KOA (322.4m-930kc), Farm question box.

Wednesday, June 2 Atlantic Eastern Central Mountain Pacific 1 p.m. 12 n. 11 10 9

WRC (468.5m-640kc), Fifty Farm Flashs. 2:30 1:36 12:30 11:36 10:30

WFAA (475.9m-620kc), Sears-Roebuck Agricultural program WFAA (475.9m-620kc), Sears-Roebuck Agricultural program.
2:35 1:35 10:35
KSAC (340.7m-880kc), "Grain on Pasture."
2:45 1:45 11:45 10:45
WMAQ (447.5m-670kc), Radio farm school.
WOI (270m-1110kc), Poultry husbandry.
9 7 6
WOS (440.9m-680kc), Evening market hour, poultry questions and answers.
11:30 10:39 39 30 8:30 7:30
KWSC (348.6m-860kc), "The Barberry and Wheat Rust and Why the Inland Empire is a Great Wheat Country." "June Farm Situation."

Wheat Country." "June Farm Situation."

Thursday, June 3

Atlantic Eastern Central Mountain Pacific
1 p. m. 12 n. 11 10 9

WRC (468.5m-640kc), Fifty farm flashes.
2.35 12.35 11.35 10.35

KSAC (32.36.7m-880kc), Fifty farm flashes."

"Keep the Garden Frodecling." 11.45 10.45

WMAQ (447.5m-670kc) Hadio farm school.

WOI (270m-1110kc), "Better Pastures for Crops of Saction Countries for Young Men in the Veterinary Division." 9.33 6.33 5.33

WOI (270m-110kc), "Better Pastures for Crops of Saction Countries for Young Men in the Veterinary Division." 9.33 6.33 5.33

S.35 7.33 6.33 5.33

KOA (322.4m-930kc), Farm question box.

Friday, June 4 Atlantic Eastern Central Mountain Pacific 1 p. m. 12 n. 11 10 9 WBC (468.5m-640kc), Fifty farm flashes. 2:35 1:35 12:35 11:35 10:35 KSAC (340.7m-880kc), "Sorghum Catch Crops." "Check Up on Jack Rabbit." 2:45 | 1:45 | 12:45 | 11:45 | 10:45 | WOI (270m-1110kc), Agricultural Economics. WOS (440.9m-680kc), Evening Market hour, Dalry questions and answers.

9:15 8:15 7:15 KSO (242m-1240kc), Farm talk. 9:45 8:45 7:45 6:45 WCCO (416.4m-720kc), Farm lecture.

Atlantic Eastern Central Mountain Pacific 2 p. m. 1 10 10 KPRC (296.9m-1010kc), Farmers' educational and musical program.

2:45 1:45 12:45 11:45 10:45
WOI (270m-1110kc), Soils, questions and answers.

9 8 7 6 5 9 8 7 6 KDKA (309.1m-970kc), Farm program,

Sunday, June 6 Atlantic Eastern Central Mountain Pacific 4:30 p. m. 3:30 2:30 1:30 12:30 WFAA (475.9m-630kc), Sunday hour for farmers.

Monday, June 7 Monday, June 7

Atlantic Eastern Central Mountain Pacific ip. m. 12 n. 11

WRC (468.5m-640kc), Fifty Farm flashes. 12:35 11:35 10:35

KSAC (340.7m-880kc), "Summer Management of Sheep." "Good and Bad Hawks."

2:45 145 12:45 11:45 10:45

WMAQ (447.5m-670kc), Radio farm school. 8:15 7:15 6:15 5:15 4:15

WGY (379.5m-790kc), Agricultural program. 9

48 9

WOS (449 9m-680kc), Livestook questions and assertions are also services as a service of the control of WOS (440.9m-680kc), Livestock questions and an-

WOS (440.9m-880kc), Livestock questions and answers.

9:30

8:30

7:30

6:30

5:30

KUOA (299.8m-1000kc), Farm Filosofy, Cy Adams.

"Summer Care of Hogs." "Cooling of Milk and Cream on the Farm." "Control Measures for Blister Beetles." "Why We Conducted Our Poultry Tour."

WMC (499.7m-800kc), Farm talk.

WOI (270m-1110kc), Horticultural Short Course lecture.

9:45

8:45

7:45

6:45

5:45

WCCO (416.4m-720kc), Farm lecture.

11:30

10:30

9:30

8:30

7:30

KOAC (280.2m-1070kc), Market news.

KWSC (343.6m-860), "Summer Work for the Beekeeper" Beskeeper.''5 9:45 8:45 7:45
11:45 10:45 8:45 7:45
KOAC (280.2m-1070kc), June 7, "The Green Feed Problem for Poultry."

Tuesday, June 8

Atlantic Eastern Central Mountain Pacific 19: m. 12:n. 11 10 9

WRC (468.5m-640kc), Flifty farm flashes. 2:35 1:35 12:35 11:35 10:35

KSAC (340.7m-880kc), "Timely Topics of Epraying."

Federation. 10:30 9:30 8:30 7:30 6:30 KOA (322.4m-930kc), Farm question box. Wednesday, June 9

Atlantic | Eastern Central Mountain | Pacific | 12.n. | 11 | 10 | 19 |

WRC (468.5m-640kc), Fifty farm flashes.
2.30 | 1.30 | 12.30 | 11.30 | 10.30 |

WFAA (475.9m-630kc), Sears-Roebuck Agricultural

program.
2:35 | 1:35 | 12:35 | 11:35 | 10:35 |
KSAC (340.7m-880kc), "How Much Feed Do Your Hens Eat?" "How Much Is Wheat Smut Costing You?"
2:45 | 1:45 | 12:45 | 11:45 | 10:45 |
WMAQ (447.5m-670kc), Radio farm school farm with WOI (270m-1110kc), Poultry husbandry. 9 Signature, Poultry husbandry, 5 6 5 5 WOS (440.9m-680kc), Evening market hour, poultry questions and answers, 1 a.m. 12 m. 11 KWSC (348.6m-860kc), "Contributions of Science to the Dairy Industry." "Drainage and Soil Tilth."

to the Dairy Industry." 'Drainage and Soil Tilth."

Thursday, June 10

Atlantic Eastern Central Mountain Pacific 1 p. m. 12 n. 11 10

WRC (488.5m-640ko), Fifty farm flashes.
2:15 1:15 12:15 11:15 10:15

WMAQ (447.5m-670ko), Radio farm school.

WOI (270m-1110kc), Farm crops.
2:25 1:35 11:35 10:35

KSAC (340.7m-880kc), "When Should Winter Feeds Be Bought?"
3:0 8:30 7:30 6:30 5:30

WO: (270m-1110kc), Taik.
9:33 8:33 7:33 6:33 5:33

KYW (535.4m-560kc), American Farm bureau.
10:30 9:30 8:30 7:30 6:30

KOA (322.4m-930kc), Farm question box.

Friday, June 11

Atlantic Eastern Central Mountain Pacific 1p.m. 12 n. 11 10 10 WRC (488.5m-640ko), Fifty farm flashes, 2:35 [1:35 12:35 11:35 10:35 KSAC (340,7m-880kc), Harvest Problems. "The Annual Migration."

2:45 1:45 11:45 10:45 WOI (270m-1110kc), Agricultural Economics.

Atlantic Eastern Central Mountain Pacific 9 p. m. 8 7 6 5 WOS (440.9m-680kc), Evening Market hour. Dairy questions and answers. 9:15 8:15 7:15 6:15 5:15 KSO (242m-1240ke), Farm talk. 9:30 8:30 7:30 6:30 WOC (483.6m-620kc), Question box. 5:30

Saturday, June 12

Atlantic Eastern Central Mountain Pacific 2 p. m. i 10

KPRC (296.9m-1010kc), Farmers' educational and musical program. 2:45 1:45 12:45 11:45 10 WOI (270.m-1110ko), Soils, questions and at 9 8 7 KDKA (309.1m-970kc), Farm program.

 Sunday, June 13

 Atlantio
 Eastern
 Central
 Mountain
 Pacific

 4:30 p.m. 3:30
 2:30
 1:30
 12:30

 WFAA (475.9m-630kc), Sunday hour for farmers.

Ward (41.0m-01006), Market tall Scilo 4:15 WGY (379.5m-790kc), Agricultural program. 9 8 (440.9m-080kc), Livestock questions and an-WOS (440.5mr-oouac), Infrastructure (450.5mr) of 5:30 sage 7:30 fig. 6:30, Cy Adams, WIOA (299.8m-1000ke), Farm Filsofy, Cy Adams, "Teeding Cows on Short Pasture." "Radio on the Farm." "Union County Poulltry Program."

the Farm." 'Thion County Poultry Program." WMC (498-7m-600kc), Farm talk.
WOI (270m-1110kc), Horticultural Short Course lecture.
9:45 8:45 7:45 6:45 5:45
WCCO (416.4m-720kc), Farm lecture.
10:30 9:30 8:30 7:30 6:30
KOB (348.6m-860kc), Talk. 11:30 10:30 9:30 8:30 7:30 KOAC (280.2m-1070kc), Market news, 11:45 10:45 9:45 8:45 7:45 KOAC (280.2m-1070kc), "Managing Pullets on the Range." the Range."
12:05 a. m.11:05 | 10:05 | 8:05 |
12:05 a. m.11:05 | 10:15 | 9:15 | 8:15 |
KOAC (280.2m-1970ke), "Water Power Development from Farm Streams.
1:15 | 11:15 | 10:15 | 10:15 | 8:15 |
KWSC (348.6m-860ke), "Roadsido Markets for Horticultural Products."

Monday, June 7

Goldkette's Petite symphony orchestra; 7:15, Casper Lingeman; 9, entertainment; 11:30, Jesters.

WLW, Cincinnati, Ohio (422.3m-710kc), 7 p. m., Hotel Gibson orchestra; 7:30, theatrical feature; 7:40, Hotel Gibson concert; 8, Crosley Salon orchestra.

WOOD, Grand Rapids, Mich. (241.8m-1240kc), 9-10 p. m., Charlos F. H. Mills music studios, WOOD ensemble; 10-11, Second Street Methodist choir; 11-12, Woody Wood Workers club.

WRVA, Richmond, Va. (256.3m-1170kc), 8:45 p. m., orchestra, soloists; 10:15, piano rectal; 10:30, Hotel Richmond Roof Garden orchestra; 11:30, Carry Me Back to Old Virginny.

WSAI, Cincinnati, Ohio (325.9m-920kc), 11 a. m.-4:30 p. m., (June 8), Dedication program, third anniversary; 8-10, WEAF.

WTAM, Cievetand, Ohio (389.4m-770kc), 6 p. m., Hollenden hotel orchestra; 8, Willard symphony; 9, studio program; 10, Willard symphonic ensemble.

Central Standard Time Stations

Central Standard Time Stations KFAB, Lincoln, Nebr. (340.7m-880kc), 5:30-6:30 p. m., dinner concert; 8:30-10:30, Butck Master Six or-

a. Hastings, ^v Nebr. (288.3m-1040kc), 9-11 p. m.

KFKX, Hastings, Nebr. (288.8m-1040ke), 9-11 p. m., open date.

KFNF, Shenandeah, Iowa (263m-1140ke), 7 p. m., Lester Smith Harmony orchestra.

KMOX, St. Louis, Mo. (280.2m-1070ke), 6:30 p. m., dinner time recital, Mrs. Jacque Landree, organist; 8. Dixie Four quartet, orchestra, light opera selections; 9. "The Scarlet Letter," novel; 10. Music Lovers hour; 11. Rendezvous club.

KOIL, Council Bluffs, Iowa (277.6m-1080ke), 6:30 p. m., Jamleson Oil duo; 6:30. Merry Makers, Purple and Gold orchestra; 7:30, The Candy Men; Candy Kids; Barnyard Twins; 10-11, Charlestonians.

KPRC, Houston, Texas (296.9m-1010ke), 7:30 p. m., Ruth Paterson. soprancy Mrs. Jeannette Paterson, accompanist; 7:45, Records' Ramblers dance orchestra; 3:30, Dr. Earle J. Shay, tenor; A. M. Martin, planist; 9:15, Horace Clark, pianist; 9:30, Margaret Britton, lyric coloratura; Mary Louise Britton, accompanist.

KSO. St. Louis. Mo. (545.1m-550ke), 8.p. m., WEAF.

ist; 9:15, Horace Clark, pianist; 9:30, margarea decident, on lyric coloratura; Mary Louise Britton, accompanist.

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

KTHS. Hot Springs National Park, Ark. (374.8m-800kc), 9:10 p. m., Famous ballads, New Arillagton hotel stringed quartet; 10:10:45, Ray Mullins orchestra.

KUOA, Fayetteville, Ark. (299.8m-1000kc), 8 p. m., Alberta Stone, soprano.

KVOO, Bristow, Okla. (374.8m-800kc), 6-9 p. m., Mrs.

J. C. Weaver, "Oklahoma's Sweetheart of the Air."

WBAP, Fort Worth, Tex. (475.9m-630kc), 7:30-8:30
p. m., concert, Ray Dunaway, director; 9:30-11, employes, Fort Worth National bank; 11, Star-Telegram harmonica and ukuleic contest.

WCOA, Pensacola, Fla. (222m-1350kc), 7 p. m., 13th Coast Artillery band; Clara Frenkel, vocalist; Mt. Olive Jubilee singers; WCOA string quartet.

WDAF, Kansas City, Mo. (385.6m-820kc), 6-7 p. m., Trianon ensemble; 8-9, Ivanhoe band; 9-10, Star's Radio orchestra; Ted Meyn, organist; Earl Coleman's orchestra.

WFAA, Dallas, Tex. (475.9m-630kc), 6:30-7:30 p. m.,

Mecoraing orchestra; reu mept, organize, amit orchestra.

WFAA, Dallas, Tex. (475.9m-630ke), 6:30-7:30 p. m.,
Ford's Texas Trumpeters; 8:30-9:30, Sears-Roebuck
agricultural foundation program.

WGBF, Evansville, Ind. (236.1m-1270ke), 7 p. m., musical program; 8, Bucyrus saxophone band.

WHB, Kansas City, Mo. (355.6m-820ke), 7-8 p. m.,
popular music, Sweeney Raddo orchestra.

WHB, Kansas City, Md. (355.6m-520kc), 7-8 p. m., popular music, Sweeney Radio orchestra.

WHO. Des Moines, Iowa (526m-570kc), 7:30-7:50 p. m., program, Prof. Paul Stoye; 7:50-9 Mrs. Fred Marshall, soprano; Prof. Joseph Gifford; 11-12 midnight, organ rectial, L. Carlos Meler.

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

WOAW, Omaha, Nebr. (526m-570kc), 6:20 p. m., Frank Peterson, tenor; Helen Higgins, planist; 6:50, Randall's Royal Fontenello orchestra; 9, classical.

WSB, Atlanta, Ga. (428.3m-700kc), 8 p. m., concert; 10:45, concert.

WSM, Nashville, Tenn. (282.8m-1060kc), 7 p. m., Beasley Smilt's orchestra; 8:15, plano recital, Elizabeth Price; 10, Vito Pellettieri and his orchestra.

WSMB, New Orleans, La. (319m-340kc), 8:30 p. m., Dixola Novelty orchestra; Strand theater concert orchestra; St. Charles theater orchestra.

WSOE, Milwaukee, Wis. (245.8m-1220kc), 9 p. m., Candygram frolic.

WSUI, lowa City, lowa (483.6m-620kc), 9 a. m., commencement exercises; 12:30 p. m., "The Principle of Self Government," Benjamin F. Shambaugh; 8, readings, Speech department.

Mountain Standard Time Stations

Mountain Standard Time Stations
KOA, Denver, Colo. (322.4m-930kc), 6:30 p. m., Brown
Palace string orchestra; 8, Negro program; KOA or-

Pacific Standard Time Stations
KF1, Los Angeles, Or 7, 467m-642ke), 7-8 p. m., Owen
Fallon's Californian, {
 popular program; 9-10, program, Walter M. Murs., Motors company, KF1 and
 KPO; 10-11, program, arranged by Meiklejohn
 Brothers.

gram, Walter M. Moure, arranged Services, 10-11, program, arranged Services, 10-11, program, arranged Services, 10-11, program, arranged Services, 10-11, program, studio program; 8:30-10, Goodrich Silvertown Cord (252m-1190ke), 6:30-7:30

studio program; 8:30-10, Goodfien Shivertown Columbres of the Columbra Columbres of the Columbra Colum

concert; 9:10, Inc at the Atom Long Concert; 19:10, Arion trio.

KGW, Portland, Ore. (491.5m-610kc), 6-7 p. m., dinner concert; 8-9, vaudeville entertainment; 9:15-12, Cole McEiroy's dance orchestra.

KNX, Hollywood, Cailf. (336.9m-890kc), 7-7:30 p. m., Matutal Motors Mirth contest; 7:30-8, program, Overells; 8-9, program, L. W. Stockwell company; 9-10. Stephens minstrel show; 10-11, Goodrich Silvertown Cord dance orchestra; 11-12 midnigbt, Cocoanut Grove dance orchestra.

dance orchestra.

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

KWSC, Pullman, Wash. (348.6m-860ke), 8-9:30 p. m., Donald Olson, saxophonist; Jerry Satola, violinist; Dorothy Hutchison, vocalist.

Tuesday, June 8

Headliners Today Eastern Central Mountain

WMAQ (447.5m-670kc), Book review, Keith Preston.

WCAU (277.6m-1080kc), Kuehnle's artists,
9:30 8:30 7:30 6:30

WIP (508.2m-590kc), 114th Infantry concert. WIP (508.2m-590kc), 114th Infantry concert, 10 9 8 7 6 WGBF (2361:m-1270kc), Bycyrus saxophone band. WGN (302.8m-990kc), "In a Gondola." 8:30 7:30 6:30 WOAI (344.5m-760kc), Gerbhardt Mexican players, 11 10 9 8 7 KPRC (296.9m-1010kc), Arabia Temple band. WOOD (241.8m-1240kc), Ford's old-time dance, 11:10 10:10 8:10 7:10 KTHS (374.8m-800kc), French harp tunes, William Hinton. WTAM (889.4m-770kc), Collegian serenaders.

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

Atlantic or Eastern Daylight Saving

Time Stations
WCAU, Philadelphia, Pa. (277.6m-1080kc), 6:30 p. m.,
Parodians dance orchestra; 7:30, Snellenburg Choral

society; 8, theater digest, Abe Lipschutz; 8:10, The Three Brothers; 8:25, Peter Ricci, baritono; 8:45, Higgins and Burke, song writers; 9, Kuehnle's Artists; 9:30, Robert Fraser, blind gospel singer; 10, Eddie Malle and emtertainers; 10:30, Cathay Tea Garden

Bialle and entertainers; 10:30, Cathay Tea Garden orchestra.
WEAF, New York, N. Y. (491.5m-610ke), 4-12 midnight, Hoboken high school band; Louise Pascova, soprano; Gold Dust Twins, Eveready hour; Variety half hour; Buffalodians.
WEBJ, New York, N. Y. (272.6m-1100ke), 7 p. m., Raymond orchestra; 7:30, Luna Park program; 8:15. Ben Ruty, Michael Savino, Hawaiian guitarists; 8:30. Luna Park program.
WEEI, Boston, Mass. (346.6m-860ke), 6:20 p. m., popular songs, George Joy and Nell Cantor; 7:30, Minutemen; 8:11, WEAF,
WFI, Philadelphia, Pa. (394.5m-760ke), 6:30 p. m., Bellevue Stratford concert orchestra; 7, Bellevue Stratford dance orchestra; 7, Bellevue Stratford dance orchestra; 8, WEAF; 10, recital; 10:30, Bellevue Stratford dance orchestra; 8, WEAF, WGR, Buffalo, N. Y. (319-340ke), 6:30 p. m., Vincent Lopez Hotel Statler dance orchestra; 8, WEAF, WHAR, Atlantic Clity, N. J. (275.1m-1090ke), 8 p. m., Seaside hotel trio.
WHN New York, N. Y. (361.2m-830ke), 6:30 p. m.

WHAR, Atlantic Clity, N. J. (275.1m-1090kc), 8 p. m., Seaside hotel trio.
WHN, New York, N. Y. (361.2m-830kc), 6:30 p. m., Everglades orchestra; 7:30, Will Oakland's Chateau; 8, Treasureland Neighbors; 9:30, Loew's 83rd Street orchestra; 10, Universal trio; 10:30, Strand Roof orchestra; 11, Barn club orchestra; 11:30, Club Alabam orchestra; 12, Silver Silpper orchestra.
WIP, Philadelphia, Pa. (508.2m-590kc), 6:05 p. m., Monte Cross, "016-timer"; 6:15, Benjamin Frankinh hotel concert orchestra; 7, Uncle Wip's bedtime sto-

wanner; rota avariant and gram.

WOK, Chicago, III. (217.3m-1380kc), 4:30-7 p. m.,
Capitol theater organ; tenor; string ensemble; 10-1:30
a. m., Tearney's Town club orchestra; Pershing Palace orchestra; Midoway Garden orchestra; Capitol theater program, studio program.

orchestra; Milway Garden orchestra; Capitol theater program, studio program.

WOOD, Grand Rapids, Mich. (241.8m-1240ke), 9-10
p.m., Ye Olde Tyme Songe Feste; Ragent Little symphony orchestra; 19-11, Henry Ford Old Tyme dance;
LaPard Brothers orchestra; George Bandfield, Cyrus Jasperse, Four Mylers.

WQJ. Chicago, III. (447.5m-670ke), 7-8 p. m., Rainbo Gardens orchestra; Marjorte Wothington, soprano;
Sheppard Levine, tenor; 10-2 a. m., Jerry Sullivan;
Happy Harry; Bert Darls; Romo Vincent; Nubs Allen; Johnny Poat.

WSAI. Chiennati, Ohio (325.9m-920ke), 7 p. m., WEAF; 7:30, musical program; 8, WEAF; 9, musical program; WSWS, Chicago, III. (275.8m-1090ke), 6 p. m., Zola Haynes, planist; Vesta Balch, ballads; 8, Jean St. Anne, baritone; Terrace Gardens orchestra; Altee Oliver, violinist; 10, Cook Sisters; Terrace Gardens; John Clark, Art Billquist; Ruby Rossina.

WYAM, Cleveland, Ohio (389.4m-770ke), 6 p. m., State



Maids of Melody is the title under which Hortense Rose and Grace Donaldson sing at the various Cincinnati stations. At the present time they are a regular feature at WSAI and may be heard during the midnight popular program Saturday, June 5.

ries; 8:15, American Legion night; 9:15, Dorothy Kroll Arnow, planist; 9:30, 114th Infantry concert; 10:30, El Patio dance orchestra.

WJAR, Providence, R. I. (305.9m-980ke), 8-10 p. m., WEAF.

WJZ, New York, N. Y. (454.3m-660kc), 7 p. m., Frank Dole; 7:15, Hotel Commodore concert orchestra; 8:30, Deltab Pearl hour; 9, Breyer hour; 10, "The Grand Tour"; 10:40, George Olsen's Hotel Pennsylvania Roof orchestra.

orchestra: WLWL, New York, N. Y. (288.3m-1040kc), 9 p. m., program; 10, "Timely Topics," Rev. James M. Gillis, C.S.P.; 10:30, talk by the Commonweal.
WMGA, New York, N. Y. (340.7m-880kc), 6 p. m., Olcott Vail and his Hotel MeAlpin string ensemble; Hofbrau Haus entertainers; 8:30, California Ramblers; 9:30, Columbia Park entertainers; 10:15, MeAlpin enves editor; 11, Ernie Golden and his Hotel MeAlpin orchestra; 12, MeAlpin entertainers.
WOO, Philadelphia, Pa. (508.2m-590kc), 7:30 p. m., Adelphia dinner dance orchestra.
WOR, Newark, N. J. (405.2m-740kc), 6:40 p. m., Hotel Bretton Hall string quartet.

Eastern Standard or Central Daylight

Eastern Standard or Central Daylight
Saving Time Stations

WBAL, Baltimore, Md. (245.8m-1220ke). 6:30-7:30
p. m., dinner program; 8-9, staff concert; Hilda Burke,
soprano; Celta Brace, violinist; George Bolek, planist; 9-10, WBAL trio; Albert Newcomb, tenor; 1010:30, male quartet; 10:30-11, organ program,
Frederlek Weaver, organist.

WCBD, Zion, III. (344.6m-870ke), 9 p. m., mixed
quartet; Mrs. Ruth Phlh, soprano; Ralph Bull, tenor;
Carl Newcomer, saxophonist; John D. Thomas, barltone;
Aloxander DePow, flutist.

WEBH, Chicago, III. (370.2m-810ke), 7-8 p. m., Edgewater Beach Hotel Oriole orchestra; Kathryn Forbes;
Lydla Lochner; 9:10-10, Uptown theater; 11-12:30
a. m., Gall Bandell; Syneopating Sterenaders.

WGHP, Detroit, Mich. (270.1m-1110ke), 6 p. m., dinner concert; 8:15-7, Skylark dance band; Gladys Sanderson and her uke; John Dieklmson, barltone; Marvelle Pavette, soprano; 12-1 a. m., Gerald Marks' dance
orchestra.

WGN. Chicago. III. (302.8m-990ke), 6:45-7:15 p. m..

velle Pavette, soprano; 12-1 a. m., Gerald Marks' dance orchestra.

WGN, Chicago, III. (302.8m-990kc), 6:45-7:15 p. m., Blackstone string quintet. Drake concert ensemble; 8-9, WEAF; 9-10. "In a Gondola"; 10-10:10. Sam "n' Henry; 10:10-11, nusical program, ensemble.

WGY, Schenectady, N. Y. (379.5m-790kc), 5:30 p. m., Hotel Van Curler orchestra; 6:45, musical program; 7:30, WJZ; 8, musical program; 9-9:30, WJZ.

WHT, Chicago, III. (399.8m-750kc), 7:10 p. m., Al Carney, organist; 7:50, Loftus Diamond quartet; 10:15, (258m-1280kc), Cinderella cafe orchestra; 10:50, 10:10,

attists.

WJAZ, Chicago, III. (329.5m-910kc), 9-12 midnight, Earl Hoffman's Chez Pierre orchestra; the Qulps that Pass in the Night; William Hayden, tenor; Henrietta Nolan, violinist; Francis Rosemary Schebt, soprano.

WJR, Pentiae, Mich. (516.9m-580kc), 7 p. m., Glover Watson, oid-time dance orchestra; 8, Tom Bartel's Boys, 9, Jean Goldkette's orehestra.

WLIB, Chicago, III. (302.8m-990kc), 7:15-7:30 p. m., dinner music; 7:30-8, WEAF; 11-11:20, Correll and Gosden; 11:20-1 a. m., Liberty studio ensemble; Ambrose Larsen, organist; Tommy Thatcher's Drake hotel dance orchestra; Fred Hamm's Purple Grackle orchestra.

hotel dance orchestra; Fred Hamm's Purple Grackje orchestra.

WLS, Chienge, III. (344.6m-870kc), 7 p. m., lullaby time; 7:15. "Minutet." Prof. Davis Edwards; 7:30, Ralph Emerson, organist; 8. Sherwood school. WLW, Cheinnati, Ohie (422.3m-710kc), 6:30 p. m., "Plano Memories." Mary Louise Woscezek; 6:50, special program. Hotel Gibson Roof Garden, Fourth Annual Convention and Banquet of Distributors of Crosley Radios and Musicones; 7. Robert Visconti's Hotel Gibson Room orchestra; 8, vaudeville hour, featuring the following artists; Norrine Gibbons, Priscilla Holbrook; Larry Grueter, piano-accordian, the Latonia Melody Boys, Carol Burdicks, Elmer Brennan, Clifford Lang, planist; 9, Formica symphony orchestra; 10, old-time review, Crosley Burnt Corkers.

theater vaudeville; 7-10, WEAF; 10, studio program; 11, Collegian serenaders.
WWJ, Detroit, Mich. (352.7m-850kc), 6 p. m., dinner concert; 7, WEAF.

Central Standard Time Stations

Central Standard Time Stations

KFAB, Lineoin, Nebr. (340.7m-380ko), 5:30-6:30 p. m.,
Little symphony; 8:05-10:30, program, U of Nebraska.

KLDS, Independence, Mo. (440.9m-680ko), 8 p. m.,
studio program.

KMA, Shenandesh, Iowa (252m-1190ko), 9-11 p. m.,
May's Mandolin Musicians.

KMOX, St. Louis, Mo. (280.2m-1070kc), 6:30 p. m.,
dinner recital, Mrs. Jacque Landree, organist; 8,
Cotton Pickers; Ed Goessing, bartione; orchestra, light
opera; 9, Marguerite Schnidt, planist; David Bitner,
violinist; 9:30, Gordon Morrison, guitarist; 11, Rendeavous club.

Cotton Pickers; Ed Goessling, bartione; orchestra, light opera; 9, Marguerite Schmidt, planist; David Bittner, violinist; 9:30, Gordon Morrison, guitarist; David Bittner, violinist; 9:30, Gordon Morrison, guitarist; 11, Rendezvous club.

KOIL, Council Biuffs, Iowa (277.6m-1080kc), 6:08
p. m., John A. Gentleman music hour, Marie Salisbury, violinist; Olivetta Salisbury, pianist; Kathryn Skinner, cellist; 7:30, Wilson Doty, planist; 8, Grace Leidy Burger, violinist; Beth Leidy, cellist; Mrs. Karl Robert Werndorf, pianist; 11, Hotay Totsy hour.

KPRC, Houston, Tex. (296.9m-1010kc), 7:30 p. m., Kensington Hall orchestra; 8:15, Houston Real Estate board courtesy program; 8:45, Harmony Four; 9, Arabla Temple A. A. O. N. M. S. band.

KSD, St. Louis, Me. (545.4m-550kc), 6-9:30 p. m., WEAF.

KTHS, Hot Springs National Park, Ark. (374.8m-800kc), 9:10 p. m., French harp tunes, William Hutton; 9:30-10:30, New Arlington hotel orchestra.

KUOA, Fayetteville, Ark. (299.8m-1000kc), 8 p. m., choir, First Presbyterian church.

KVOO, Bristow. Okia. (374.8m-800kc), 6-9 p. m., Jimmie Wilson and his Catifish string band.

KYW, Chicago, Ill. (353.4m-550kc), 6-9 p. m., Chlcago Evening American studio; 7, program, Congress Camival.

9-9:30, classical concert; 9:30-10:30, Congress Camival.

9-9:30, classical concert; 9:30-10:30, Congress Camival.

9-9:30, classical concert; 9:30-10:30, Congress Camival.

WBAP, Fort Worth, Tex. (475.9m-630kc), 7:30-8:30 p. m., Cyde Massengale, painist; 9:30-11, program, Mrs. Roger Neely, Mreetor.

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

WFAA, Dallas, Texas (475.9m-630kc), 7:30 p. m., Eddie Rosson and his orchestra.

WHAS, ouisville, Ky. (399.8m-750ke), 7:30 p. m., Eddie Rosson and his orchestra.

WHAS, ouisville, Ky. (369.8m-750ke), 7:30 p. m., Eddie Rosson and his orchestra.

Harry Taylor and Sam Martin; Lillian Valentine, soloist.

WHO, Des Moines, lowa (526m-570kc), 7:308 p. m., Raleigh quintet; 8-9, varled musleal program; 11-12 midnight. Bankers Life Corn Sugar orchestra.

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

WOAW, Omaha, Nebr. (526m-570ke), 6 p. m., Hugo G. Heyn, xylophonist; 6:50, orchestra; 9, classical; 10:10, Radio review.

WOC, Davenport, lowa (493.6m-620kc), 5:45-5:55 p. m., cilimes concert; 6-8, WEAF; 8-9, musical program, Greer and his orchestra.

WSB, Atlanta, Ga. (428.3m-700kc), 8 p. m., Lyon and King de luxe concert; 10:45, concert.

WSM, Nashville, Tenn. (228.5m-1060kc), 8 p. m., frolic, Happy Jack's orchestra.

Happy Jack's orchestra.

WSOE, Milwaukee, Wis. (245.8m-1220ke), 7 p. m.,
dinner music; 8:45, movie revue; 9, classical musical

Mountain Standard Time Stations Denver, Colo. (322.4m-930kc), 6:30 p. m., Brown ce string orchestra.

Palace string orchestra.

Pacific Standard Time Stations

KFI, Los Angeles, Calif. (467m-842ke), 7-8 p. m.,

Virginia ballroom orehestra; 8-9, Sereen Artists' quartet; 9-10, composers bour; 10-11, Packard Radio club
in popular songs of the day.

KFOA, Seattle, Wash. (484.3m-860ke), 7-8 p. m., program; 18-18-8-45, studio program; 8:45-10, studio program; 10-11, Jackle Souders and his Club Lido Serenaders.
KFWB. Hollywood. Calif. (252m-1190ke). 6:30-7:30
p. m., Pontiac Six dinner hour; 8-9. program, Richard
Hellman, Inc.; 9-10. program, American Brake Testing Machine company; 10-11, Warner Brothers frolic.

WMAQ. Chicago, III. (447.5m-670ke), 6 p. m., Chicago theater organ; 6:30, Hotel LaSalle orchestra; 9:20, mustcal program, chimes.

WMBB. Chicago, III. (249.9m-1200ke), 7-8 p. m., Trianon ensemble; Hilda Hinrichs, cellist; Margaret Conrad, violinist; Preston Graves, pianist; Generieve Burnham, operatic soprano; Wellington Forbes, tenor; operatic program; 9-11, Trianon orchestra; Woodland, Trianon orchestra; Woodland, Trianon orchestra; Woodland, Trianon orchestra; Woodland, Warner; Nora Norraine and Lou Sievers, popular program.

WOK, Chicago, III. (217.3m-1380ke), 4:30-7 p. m., Capitol theater organ; tenor; string ensemble; 10-1:30 a. m., Tearney's Town club orchestra; Pershing Pales.

company; 10-12 midnight, Cocoanut Grove dance or-chestra. KPSN. Pasadena, Calif. (315.9m-950ke), 8-9 p. m., Adolf Tandler instrumental group.

Wednesday, June 9

Headliners Today

Atlantic Eastern Central Mountain Pacif 9:30 p. m. 8:30 7:30 6:30 WAHG (315.6m-960kc), Old-fashioned quartet. WHAS (399.8m-750kc), Kentucky Night Owls. 10:15 9:15 7:15 6:10 WSM (282.8m-1060kc), Aleda Waggoner, coloratur WSM (282.8m-1000EC), Alexa Viabolis, Soprano. 40:30 9:30 8:30 7:30 6:30 (0:30 9:30 8:30 Followmia, Simble (10 9 8 7)
KMA (252m-1190kc), Farmer Scotchman, WLS (344.6m-870kc), Metropolitan choir. 12 m. 11 10 9 8 KHJ (405.2m-740ko), Jose Arias and Mexican entertainers.

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

Atlantic or Eastern Daylight Saving

Atlantic or Eastern Daylight Saving
Time Stations
CFCA, Toronto, Can. (356.9m-840ke), 11 p. m., Gilbert
Watson and his orchestra.
WAHG, Richmond Hill, N. Y. (315.6m-950ke), 7:30
p. m., Margle Make-Believe; 7:45, William Helfenstein, baritone; 8, studio program; 8:30, William Helfenstein, baritone; 8:45, studio program; 9, May
Singhi Breen, Peter DeRose and the Four Jack Roses;
9:30, Old-Fashioned quartet, Conrad Schelcher, fluitst;
Albert Reiss, vibraphone soloist; 10:20, dance orchestra.

3-30, Old-Pashioned quarter, Conrad Scheicher, Huitst, Albert Reiss, vibraphone solist; 10:20, dance orchestra. WCAU, Philadelphia, Pa. (277.6m-1080kc), 7:35 p. m., recital, N. Snellenburg and company; 8, talk; 8:10, Hotel Pennsylvania orchestra; 8:30, Miller plano period; 9, Gol-Mar Greeters; 9:30, Melen Travis Hoel, soprano; 9:45, Senator Hassenpfeffer; 10, Desmond, Bortman and McCullough, instrumental trio; 10:15, Maurice Patton, tenor; 10:30, Zochrns and Herscher, songs; 10:45, Frank Cook, old-time songs; 11, Arthie Bittong Cheer-Up club.

WEAF, New York, N. Y. (491.5m-610kc), 4-12 midnight, Helen Butler Blanding, soprano; Synagogue service; Shinola Merrymakers; Gentleman of 2 in 1; Davis Saxophone octet; Ipana Troubadours; Pelham Heath Inn orchestra.

WEBJ, New York, N. Y. (272.6m-1100kc), 8 p. m., Ralberne orchestra; 8:45, Sara V. Turits, soprano; John Von Aspe, lenor; 9:15, Jerry Alexander; 9:30, Melville Five.

WEL, Beston, Mass. (348.6m-860kc), 7:30 p. m., musicale; 8-10, WEAF; 10, musicale.

WGL, Beston, Mass. (348.6m-860kc), 6:30 p. m., Bellevue Stratford concert orchestra; 7, Bellevue Stratford doncert orchestra; 7

ford dance orchestra.

WGBS, New York, N. Y. (315.6m-950ke), 6:30 p. m., Fess Willlams Savoy orchestra.

WGR, Buffalo, N. Y. (319m-940ke), 7 p. m., Humphrey Sisters Harmony Four; 8, WEAF; 8:30, Marjorle Amsden recttal; 9, WEAF; 10, Pilgrim male quartet. WHN. New York, N. Y. (351.2m-830ke), 7:30 p. m., Loew's Lexington organ recital; 8, entertainers; 9, Loew's New York orchestra; 9:30, Palisades Amusement Park orchestra; 10, Roseland dance orchestra; 11:30, Silver Slipper orchestra; 12 midnight, Cotton club orchestra:

ordestra: Supper Ordestra; 12 miningh, Cotton cittle orchestra:

WIP, Philadelphia, Pa. (508.2m-590kc), 6:95 p. m.,
Benjamin Franklin hotel concert orchestra; 7, Uncle
Wip's bedtime stories.

WIAR, Providence, R. I. (305.9m-950kc), 7:30-9 p. m.,
WBAF; 9, musicale; 10, tabloid musicale.

WIZ, New York, N. Y. (454.3m-660kc), 7 p. m., Hotel
Commodore concert orchestra; 7:55, United Press; 8,
Imperial Imps; 8:30, concert; 9:50, Associated Press;
10:30, Hotel Vanderbilt orchestra.

WLIT, Philadelphia, Pa. (394.6m-760kc), 7:30 p. m.,
Dream Daddy's bedtime stories; 10, Arcadia cafe dance
orchestra.

Dream Daddy's bedtime stories; 10, Arcadia cafe dance orchestra.

WLWL, New York, N. Y. (289.3m-1040ke), 9 p. m., program; 9:45, concert.

WMCA, New York, N. Y. (340.7m-880ko), 6 p. m., Olcott Vail and his Hotel McAlpin string ensemble; 6:30, Ernle Golden and his Hotel McAlpin orchestra; 8, X-IT Hawaitans; 8:30, Meister's Homesteaders; 12, McAlpin entertathers.

WOO, Philadephia, Pa. (508.2m-590ke), 7:30 p. m., Sylvania dinner dance orchestra; 8, WEAF; 10, Fox thester studio program; 10:30, Ritz Carlton dance orchestra.

WOR, Newark, N. J. (405.2m-740ke), 6:30 p. m., Jacques Jacobs' Hotel Sheiton ensemble; 9:30, French Line program; 11, Larry Stry's Hotel Ambassador orchestra.

Eastern Standard or Central Daylight

Eastern Standard or Central Daylight Saving Time Stations

WBBM, Chicago, III. (225.4m.1330kc), 8-10 p. m., Rudy Winters, baritone; Alemite orchestra; 12-2 a. m., Alemite orchestra.

WCAP, Washington, D. C. (468.5m.640kc), 7-7.30 p. m., WEAF; 7:30-8, outdoor concert, U. S. Army band; 8-10, WEAF; 7:30-8, outdoor concert, U. S. Army band; 8-10, WEAF; 19:5-10, Osborn's orchestra; Florence Behrend; Frank Greif, Frank Bordner; 9:15-10, Osborn's orchestra; Frank Bordner; Lawrence Salerno; 11-12:30 a. m., Oriole orchestra; Kay Ronayne; Florence Behrend.

WGHB, Clearwater, Fla. (265.5m.1130kc), 8:30-10 p. m., Rev Dantzler, tenor; old-time duets, Mr. and Mrs. Charles A. Waller.

WGHP, Detroit, Mile. (276.1m.1110kc), 8 p. m., dinner concert; 8-10, Little symphony orchestra; Gizi Szanto, planist; quartet; 12-1 a. m., Gerald Marks' orchestra.

WGN. Chicago. III. (302.8m.-990kc), 6:45-7 p. m. Black-

wGN, Chicago, III. (302.8m-990ke), 6:45-7 p. m., Black-stone string quintet; 9-10, concert; 10-10:10, Sam 'n' Henry; 10:10-10:20, studio music; 10:20-11, Pepper party.

Henry; 10:10-10:20, studio music; 10:20-11, Pepper party,
WGY, Schenectady, N. Y. (379.5m-790kc), 6:30 p. m.,
Eastman theater orchestra; 7:35-9, musical program.
WHT, Chicago, III. (399.8m-750kc), 7:10 p. m., Edwin
Kemp, tenor; 7:50, Borden organ recital; 10:16 (238m1200kc), Cinderella cafe orchestra; 12 midnight
(399.8m-750kc), your bour league.
WHBO, Chicago, III. (225.4m-1350kc), 6-8 p. m., dinner
concert, string trio; Dorothy Bae, soprano; Charles
Champlin, bartlone; Frank Grief, tenor; trio; 10-12,
popular program; vocal, instrumental.
WJAZ, Chicago, III. (329.5m-910kc), 9-12 midnight, Earl
Hoffman's Chez Pierre orchestra; Virginia Lane, soprano; Henry Perry, violinist.
WJR, Pontiac, Mich. (516.9m-580kc), 7 p. m., Jean
Goldkette's Petite symphony orchestra; 7:45, Goodwill
Oakland; 9, Jean Goldkette's orchestra; 11, Murphy
Brothers organ; 12 midnight, Merry Old Chief, Jewett
Radio Jesters.
WKAR, E. Lansing, Mich. (285.5m-1050kc), 8-9 p. m.,
musicale.
WJ IB. Chicago, III. (302.8m-990kc), 7:15-7:30 p. m.

WKAR, E. Lansing, Mich. (285.5m-1050kc), 8-9 p. m., musicale.
WLIB, Chicago, III. (302.8m-990kc), 7:15-7:30 p. m., dinner music: 7:80-7:50, Pattison Coates, baritone; Edward Barry, planist; 7:50-8, Auld Sandy; 8-9, WFBAF; 12:30-1 a. m., Ambrose Larsen, organist.
WLS, Chicago, III. (344.6m-870kc), 8:15 p. m., Maurle Sherman's College Inn orchestra; 8, Mid-West quartet; 9, WLS trio; 9:30, Arneson quartet; 10, Metropolitan choir; 11, popular music.
WLW, Cincinnati, Ohio (422.3m-710kc), 7 p. m., Hotel Gibson orchestra; 10, Thorobrod entertainers; 11, the pink of programs, Cincinnati Post dance orchestra, entertainers.

pink of programs, Cincinnati Post dance orenestra, entertainers.

WMAQ. Chicago, III. (447.5m-670kc), 6 p. m., Chicago theater organ; 6:30, Hotel La Salle orchestra; 8:25.

Whitney trio; 8:55, V. vers, chimes.

WMBB, Chicago, III.

non duo; Eleanor tenor; Arvid And tom Grave

Wednesday, June 9

ist; request program; 9-11. Trinnon orchestra, Woodlawn theater orchestra, vocal artists.

WOK. Chicage, III. (217.3m-1389kc), 4:30-7 p. m., Capitol theater organ; studio program; Tip-Top Inn string ensemble; 10-1:30 a. m., Tearney's Town club orchestra; Pershing Palace orehestra; Midway Garden orchestra; Capitol theater program.

WOOD, Grand Rapids, Mich. (241.8m-1240kc), 9-10 p. m., 16-Fingered Paul; Moke Marrin; Helen Neuman, Jim Forshey, Ruth Glaser, Pearl Knudson, Std Goldman, Minnie Dubey Johnson; 10-11, Atwater Kent hour.

Goldman, Minne Bodos, vollator, hour.

WQJ, Chicago, III. (447.5m-670kc), 7-8 p. m., Rainbo Gardens orchestra; Merrie Boyd Mitchell, soprano; 10-2 a. m., Rainbo Gardens orchestra; Molodians; Flo and Ray; Joe Warner.

WRVA, Richmond, Va. (256.3m-1170kc), 8:45 p. m., Ye Olde Tyme singers, hymns, songs; 9:30. Smithers Hawaiian orchestra; 10, organ recital, chlmes, Angle Sims.

Hawaiian orchestra; 10, organ recital, chimes, Angle Sims.

WSAI, Cincinnati, Ohio (325.9m-920kc), 6:45 p. m., chime concert, Robert Badgley; 7-9, WEAF; 9, musical program; 10, string quartet.

WSWS, Chicage, III (275.8m-1090kc), 6 p. m., Dean Terrill, bartione; Ritta McFawn; Terrace Gardens orchestra; 8, Terrace Gardens; arrative recital; 10, Smith and Ford; Gus Edwards 'orchestra' (780.4m-770kc), 6:15 p. m., Hotel Cleveland, Ohio (389.4m-770kc), 6:15 p. m., Hotel Cleveland orchestra; 7:30, WEAF; 8, Public Auditorium program.

WTIC, Hartford, Conn. (475.9m-630kc), 7 p. m., Mme. Lealia Joel-Hulse, contralto; 7:30, Washington Street school orchestra; 8:15, Laura Gaudet, pianist; 8:30, organ recital.

WWJ, Detroit, Mich. (352.7m-650kc), 6 p. m., dinner concert; 7, WEAF; 7:30, News orchestra; 8, dance program; 9, WEAF.

program; 9. WEAF.

Central Standard Time Stations

KFAB, Lincoln. Nebr. (340.7m-880kc), 5:30-6:30 p. m., dinner concert; 8:30-10:30, request program.

KFKX, Hastings, Nebr. (288.3m-1040kc), 9-11 p. m., musicale, Lincoln, Nebr.

KMM, Shenandaah, lowa (252m-1190kc), 9-11 p. m., musicale, Lincoln, Nebr.

KMM, St. Louis, Mo. (280.2m-1070kc), 6:30 p. m., dinner reeltal, Mrs. Jacque Landree, organist; 7, Shut-in entertalners, Minna and Jda Moerscell, orchestra; 8:39-9:30, Ight opera selections, orchestra; song cycle; 9:39-11:30, Marguerite Schmidt, planist; orchestra; 1:30, Hendezvous cub. (296.9m-1010kc), 7:30 p. m. (PREC. Heuston, Tex. (296.9m-1010kc), 7:30 p. m. crebstra; 13:30, George Meyer, bartione; 8:45, Frank Titlon, planist, Mo. (455.m-55kc), 6. p. m. WEEE.

orchestra; 8:30, George Meyer, baritone; 8:45, Frank Tillon, planist. 80, St. Louis, Mo. (545.1m-550kc), 6 p. m., WEAF; 6:30, Hotel Statler concert orchestra; 7, WEAF; 8,

KSD, St. Louis, M.V.
6:30, Hotel Statler concert orchestra; 7, WEAE, o,
WEAF,
KTHS, Hot Springs National Park, Ark, (374.8m-800kc),
9:10 p. m., Lawson Reid, organist; 9:30, Lon Chassy,
violinist; John G. Heyn, pianist; Meyer Davis stringed
trio; 10:10:30, Como Roof Garden crohestra.
KYOO, Bristow, Okla. (374.8m-800kc), 6-9 p. m., Radio trio; Mascho, Cunningham, Mascho,
KYW, Chicago, III. (353.4m-560kc), 6 p. m., musical
program; 8-9:30, classical concert; 9:30-11, Congress
carnival.

(365.6m-820kc), 6-7 p. m.,

program; 8-9:50, chassical concert; 9:30-11, Congress carnival.

WDAF, Kansas City, Mo. (365.6m-820ke), 6-7 p. m., Trlanon ensemble; 8-9, WEAF; 9-10, McDowell chorus; 11:45-1 a. m., frolic.

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

WHB, Kansas City, Mo. (365.6m-820kc), 10:30-11:30 p. m., musicale, Who, Des Moines, lowa (526m-570kc), 6-7 p. m., Bankers Life Little symphonic orchestra; 7:15-8:15. Irene Dorans Little symphonic orchestra; 8:15-9, program, Chleago, Rock Island, Pacific Railway company; 9-11, dance program; 11-12, Bankers Life Corn Sugar orchestra:

dance program; 11-12, Danayo, Market Restra. WOAI, San Antonio, Texas (394.5m-760kc), 8:30 p. m., worth program. Army night program.

OC. Davenport, lowa (483.6m-620kc), 5:45-5:55 p. m., chimes concert; 6-8, WEAF; 9:30-10:30, musical program, Erwin Swindell, organist; Bernard Regan, baritical

wsb, Atlanta, Ga. (428.3m-700kc), 10:45 p. m., Youngs'

Versatile orchestra. (282.8m-1060ke). 7 p. m., Youngs' Versatile orchestra. (282.8m-1060ke). 7 p. m., Beasley Smith's orchestra; 8:15, Aleda Waggoner, coloratura soprano; 10, violin recital. WSMB, New Orleans, La. (319m-940ke), 8:30 p. m., Polyhemnia Circle.

Polyhemnia Circle. WSOE, Milwaukee, Wis. (245.8m-1220ke), 7 p. m., dln-ner music; Candygram entertainers.

Mountain Standard Time Stations

KOA, Denver, Colo. (\$22.4m-\$30kc), 6:30 p. m., Brown Palace string orchestra; 8, Scheuerman's Colorado orchestra; 8:15, Public Service company of Colorado, KOA orchestra; Mile'High trio; Marjorie Mellow, soprano; Dorothy Renolds, reader; Lillian Donnery, contralto; Charles South, violinist; Saxophone band; Robert D. Kenworthy, tenor; Buby W. Hedges, harpist; Edwin Smith, tenor.

Pacific Standard Time Stations
KFI, Los Angeles, Calif. (467m-642ke), 7-7:30 p. m.,
Grebe Synchrophase string ensemble; 7:30-8, Nick
Harris detective story: 8-9, program, California Petroleum corporation; 9-10, popular song program; 10-11,
Charles Beauchamp, tenor.
KFOA, Seattle, Wash. (454.3m-660ke), 6:45-8:15 p. m.,
Hopper Kelly company studio program; 8:30-10, program.

gram.

KFWB, Hollywood, Calif. (252m-1190kc), 6:30-7:30
p. m., Pontiac Six dinner hour; 8-9, studio program; 9-10, program, Pacific Development company; 10-10:30, Mutual Motors joke contest; 10:30-11:30, Warner Brothers frolic.

KGO. Oakland, Calif. (361.2m-830kc), 6 p. m., dinner

concert.

KGW, Portland, Ore. (491:5m-610ke), 6-7 p. m., dinner concert; 8-9, concert; 9-10, vocal and instrumental musle; 10-11, vocal, instrumental.

KHJ, Los Angeles, Calf. (405:2m-740ke), 8:30-7:30 p. m., Children's hour with Uncle John; 8-10, Jose Arlas and his Mexican entertainers.

KNX, Hollywood. Calif. (336-9m-890ke), 7-8 p. m., Hoyt Water Heater program; 8-9, program, Stewart-Warner dealers; 0-10, Motor Transit Stages program; 10-11, feature program; 11-12, Cocoanut Grove dance orchestra.

Hoyt Water Heater program; 8-9, program, Stewart-Warner dealers; 0-10, Motor Transit Stages program; 10-11, feature program; 11-12, Cocoanut Grove dance orchestra.

KWSC, Pullman, Wash.
Geneva Byers, whistler; Louise Fletcher, vocalist; Ruth Huebner, pianist: Loyt Pound, reader.

Thursday, June 10

Headliners Today Eastern Central Mountain 10 mm. 1 6 mm. 6:30 RF1 (404m-642ke), Kanner string trio.
12 m 11
10 9 8
WGHP (270m-1110ke), WGHP Frolickers,
12:45 a.m. 11:45 9:45 8:45
WSB (428.3m-700kc), Charles A. Sheldon, organist.
1:15 12:15 11:15 10:15 9:15
WLW (422.8m-710kc), Night Howls.

For stations silent tonight refer to first Thursday's list

Time Stations

CFCA, Toronto, Can. (356.9m-840ke), 11 p. m., Gilbert Watson and his orchestra.

CKNC, Toronto, Can. (356.9m-840ke), 8 p. m., Charles E. Bolley and his dance orchestra; Madeline Boll, soprano; Edgar Smith, bass.

WBBR, New York, N. Y. (272.6m-1100ke), 8 p. m., Watchtower violin et it. 'e locture; Stanley Goh'unghorst, barttone' (1080ke), 6:30 p.

'unghorst, barttone' (1080ke), 6:30 p.

'ay Tea Gr

phony orchestra; 8. Saddler's Plantation serenaders; 8:30, Clifton's Anglers; 8:45, the Kandy Kids; 9, Barry O'Moore, Irish tenor; 9:30, Musical Chefs; 9:45, Professor Doollttle; 10, Sesquicentenulal Hour; 11, Prandians dance orchestra; 11:30, Club Madrid revue. WEAF, New York, N. Y. (481-5m-610ke), 4-12 midnight, Relen Katzinger, soprano; dinner music; nidneek hymn sing; Zillah Halstead, planist; Hires' Harvesters; Clicquot Club Eskimos; Silvertown Cord orchestra; Vincent Lopez and his orchestra. WEE1, Boston, Mass. (348.6m-860ke), 7:30 p. m., musicale; 8-11, WEAF.
WFI, Philadelphia, Pa. (394.5m-760ke), 6:30 p. m. Folder Stratford concert orchestra; 7, Bellevue Stratford dance orchestra; 8, talk, Thomas Masson; 8:14, WEAS.

ford dance orchestra; 8, talk, Thomas Masson; 8:14, WBAD.

WGBS, New York, N. Y. (315.6m-950kc), 6:30 p. m., music; 6:45, Arcadia orchestra.

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

WHAR, Atlantic City, N. J. (275.1m-1090kc), 8 p. m., Scaside hotel trio; 9, studio concert; 11, Follies Bergere dance orchestra.

WHN, New York, N. Y. 361.2m-830kc), 8 p. m., Will Oakland's Chateau; 9:30, Loew's 83rd Street orchestra; 10:30, Leroy Smith's orchestra; 1130, Everglades orchestra; 12.30, Leroy Smith's orchestra; 130, Everglades orchestra; 12.30, Leroy Smith's orchestra; 130, Everglades orchestra; 12.30, Leroy Smith's orchestra; 18, Glen Mills or Miller Maler, Leroy; Chaspianis Franklin concert orchestra; 8, Glen Mills for Boys band and orchestra; 9, Edmund de Luca, pianist; Laura Lanning Fritz, contralto; Minerva Tose Chadwin, soprano; 9:45, Albert Mahler, tenor; Chas. D. Long, bass; Flora Ripka, accompanist; 10:15, Leon Field, violinist; 11, El Patio dance orchestra.

WJAR. Providence, R. I. (305.9m-950kc), 8 p. m.

WIAR, Providence, R. I. (305.9m-950kc), 8 p. m., Robert W. Powers Hudson-Essex orchestra; 9-11,

WIZ. New York, N. Y. (454.3m-660ke), 7 p. m., Hotel Vanderbilt orchestra; 7:30, Judge, Jr; 8, "Voice of the Silent Drama"; 8:30, U. S. Marine band; 9:30, Royal Typewriter orchestra; 10:30, Record Boys; 11. Hotel Astor orchestra; 10:30, Record Boys; 11. WLIT, Philadelphia, Pa. (394.5m-760ke), 7:30 p. m., Dream Daddy's bedtime stories, WMCA, New York, N. Y. (340.7m-880ke), 6 p. m.,

WIR, Pontlae, Mich. (516.9m-580kc), 7 p. m., Jean Goldkette's Petite symphony orchestra; 7:30, 1de and Meginnity; 9, Jean Goldkette's orchestra; 10, Jean Goldkette's Victor Recording orchestra.

WLIB, Chicago, III. (302.8m-990kc), 7:15-8 p. m., WEAF; 11-11:20, Correll and Gostlen; 11:20-1 a.m., Liberty studio ensemble; Ambrose Larsen, organist: Tommy Thatcher's Durke hotel dance orchestra; Fred Hamm's Purple Grackle orchestra.

WLS. Chicago, III. (344.6m-870kc), 6:30 p. m., Elsie May Look, organist; 7:15, College Inn orchestra; 7:30, Ralph Emerson, organist; 8, Mu Phi Epsilon sorority program.

Ralph Emerson, organist; 8, Mu Pril Edision Sorottly program.

WLW, Cincinnati, Ohio (422.3m-710ke), 6:15 p. m., Norrine Gibbons and Priscilla Holbrook; 7, Hotel Gibson orchestra; 12:03, popular concert, Doherty Melody boys; 11, Katz's orchestra; 11:13, Menty Theis and his orchestra; 12:15, Night Howls, "Calico Cat."

WMAQ, Chicago, III. (447.5m-670kc), 6 p. m., Chicago theater organ; 6:30, Hotel La Salle orchestra; 8:30, musical program; 9:20, mulscal program, chinnes.

WMBB, Chicago, III. (249.9m-1200kc), 7-8 p. m., Trianon ensemble; Hilda Hinrichs, cellist; Margaret Conrad, violinist; Preston Graes, planist; Italian music; 9-11, Trianon orchestra, orchestras; ensemble; Bob Duffy, Earl Smith, Wellington Forbes, Bob Bennett, popular program.

sic; 9-11, Trianon orchestra, orchestras, ensemble, lowDuffy, Earl Smith, Wellington Fotbes, Bob Bennett,
popular program.
WOK, Chicago, III. (217,3m-1880ke), 4:30-7 p. m., CapItol theater organ; Tip-Top Inn string ensemble; Lorraine's Pershing Palace orchestra; Midway Garden orchestra: Capitol theater program.
WQJ, Chicago, III. (447,5m-670ke), 7-8 p. m., Rainbo
Gardens orchestra; Lillian Schoessling, soprano; 10-2
a. m., Rainbo Gardens orchestra; Harry Geisc; Bert
Davis; Lew Butler.
WRVA, Richmond, Va. (256,3m-1170kc), 9 p. m., negro
spirituals, dialect readers: 10, Jesters orchestra; 11,
Carry Me Back to Old Virginny,
WSAI, Cincinnati, Ohio (325,9m-20kc), 7:15-10 WEAF,
WSWS, Chicago, III. (275,8m-1090kc), 6 p. in., Terrace
Gardens orrhestra; Catherline O'Brien, plantis; John
Clark, baritons; Zola Haynes, plantis; 8, Alvina
Becker, Borden Brothers; Terrace Gardens; 10, Terrace
Gardens; Cook Sisters; Smith and Ford.

6:50. Randall's Royal Fontenelle orchestra; 9. Sunshine program.

WOC, Davenport, Iowa (483.6m-620ke), 5:45-5:55 p. m., chimes concert; 6-9. WEAF; 9-9:30, musical program, Moline Plowboys.

WSB. Atlanta, Ga. (428.3m-700kc), 8 p. m., concert; 10:45. Charles A. Sheldon, Jr., organist.

WSMB, New Orleans, La. (319m-940kc), 8:80 p. m., Schilling's society serenaders; Radio Revelers; Liberty theater orchestra.

WSOE, Milwaukee, Wis. (245.8m-1220ke), 7 p. m., dinner music; 9, Lakefront studio program, St. Vincent glee club.

Mountain Standard Time Stations OA. Denver, Colo. (322.4m-930kc), 6:30 p. m., Brown Palace string orchestra.

Pacific Standard Time Stations (FI, Les Angeles, Calif. (467m-642ke), 7-8 p. m., program, students University of Southern California, 8-9, program of chamber music; 9-10, popular program; 10-11, Patrick-Marsh orchestra; Betty Patrick, soloist.

o-9, Diogram of Chamber music; 9-10, popular program; 10-11, Patrick-Marsh orchestra; Betty Patrick, soloist.

KFWB, Hollywood, Calif. (252m-1190ke), 6:30-7:30 p. m., Pontiae Six dinner hour; 8-9, program, McGavin Bakeries; 9-10, program, Dell's lee Cream; 10-11, Warner Brothers frolic.

KGO, Oakland, Calif. (361.2m-830ke), 8-9 p. m., vacation program; Nassau Marimba band; WOW male trio; 9-12 midmight, Brokaw and orchestra.

KGW. Portland, Ore. (491.5m-610ke), 6-7 p. m., dinner concert; 8-10, vaudeville program; Four Saliors; Ebony and Ivory, plano duet; Luke's Flower girls; 10-12 midnight, Cole McElroy's dance orchestra.

KHJ, Los Angeles, Calif. (405.2m-740ke), 6:30-7:30 p. m., Uncle John and the children; 8-10. Zoellner string quartet, Gladys Blackwell Pickering, soprano.

KNX. Hollywood, Calif. (336.9m-890ke), 7-8 p. m., studio program; 8-9, Willys-Overland dealers; 9-11, feature program; 11-12, Cocoanut Grove dance orchestra; 12-2 a. m., Don Meaney's midnight frolic.

KPSN, Pasadena, Calif. (315.9m-950ke), 8-9 p. m., Pasadena Chamber of Commerce.

KTAB, Oakland, Calif. (239.9m-1250ke), 9-10 p. m., studio program.

GENERAL TALKS AND SPEECHES

Tuesday, June 1

Tuesday, June 1

Atlantic Eastern Central Mountain Pacific

7:30 p. m. 6:30 5:30 4:30 3:30

WHAR (275.1m-1090ke), "Gilmpses Through the Stage Door," Mort Eiseman.

8 Through the Stage Control Eiseman Stage Control Eisema

10 9 8 7 WLW (422.3m-710kc), "Opera in English," Grace Gardner. WMCA (340.7m-880kc), "How to Drive," Harry Raines.

Raines. 10 9 8 7 7 WCCO (416.4m-720kc), Voting in the Primaries. WMAQ (447.5m-670kc). Book talks. 11.30 10.30 9.30 8.30 7.30 WCCO (416.4m-720kc), "Outdoors in Minnesota."

Wednesday, June 2 Atlantic Eastern Central Mountain Pacific 7 p. m. 6 5 4 3 WTAG (267.7m-1120kc), Book talk, Robert K.

Shaw. 6:30 5:30 4:30 3:30 WOR (405.2m-740ke), Swimming talk, Frank Dalton.

Dalton. 8. 7 Swimming talk, Frank 9 WL1T (394.5m-760kc), 'New England Supremacy,' Champe S. Andrews. 10 9 8 KOAC (280.2m-1070kc), "Olalla Butte and Its Surrounding Lakes." 10:10 9:10 8:10 7:10 6:10 KSO (241.8m-1240kc), Health talk, Dr. F. H. Clark. 11:15 10:15

11:15 10:15 9:15 8:15 7:15 KWSC (348.6m-860kc), Book review, Allce Lindsay Webb. 12 m. 11 10 9 8 KOAC (280,2m-1070kc), "Oregon—A Wonderland."

Thursday, June 3

Atlantic Eastern Central Mountain Paelfic 7:30 p. m. 6:30 5:30 4:30 3:30 WGY (379.5m-790kc), Book talk.

8:15 7:15 6:15 5:15 4:15 WCCO (416.4m-720kc), Gorgas memorial, Dr. L. H. Cady.

8:30 7:30 6:30 5:30 4:30 WGBS (315.6m-950kc), "Foolight and Lamplith," Oliver Sayler.

10 9 8 7 6

WRC (468.5m-640kc), "Political Situation in Washington Tonight," Frederick W. Wile.

Friday, June 4

Atlantic Eastern Central Mountain Pacific 7:30 p. m. 6:30 5:30 3:30

MMAK (265.3m-1130kc), Talk, Dr. Albert P. Sy. WFG (299.8m-1000kc), Address, Lincoln Van Cildon Gilder.

8 7 6 5 4
WOAW (526m-570kc), Music review, Hester Bronson Copper.

Oleott Vail and his Hotel McAlpin string ensemble; 7, Hofbrau Haus entertainers; 7:30, Klein's Serenading Shoemakers: 8, Roemer's Homers; 0:30, Columbia Park entertainers; 10:30, California 'Ramblers; 11, Ernie Golden and his Hotel McAlpin orchestra; 12, Broadway night.

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

WOR. Newark, N. J. (405.2m-740ke), 6:30 p. m., Jacques Jacobs' Hotel Shelton ensemble.

Eastern Standard or Central Daylight

Saving Time Stations

WBAL, Baltimore, Md. (245.8m-1220kc), 6:30-7:30
p. m., dinner program; 8-10, musical program, vocal
and instrumental soloists; 10-11, ensemble.

WBBM, Chicago, Ill. (225.4m-1330kc), 8-10 p. m., Dress
parade of popular music, Alemite orchestra; Ruby Rosina, Vic Fredericks, air comedian; 10-10:30, Moss
Covered Melody period; Howard Osborne's Vanity Fair
orchestra; Alemite orchestra; Ruby Rossina, Maurice
Silverman, tenor; Metropolitan mixed quartet; 11-12
midnight, dance period.

Silverman, acnor; Metropolitan mixed quartet; 11-1z midright, dance period MCBD, Zion, III. (344.6m-870ke), 8 p. m., commencement exercises, Zion Conservatory of Music; Mrs. Florence Hill, soprano.

WEBH, Chicago, III (370.2m-810ke), 7 p. m., special rectial; 9:15, Orlole orchestra; Ruth Buhl Flick, reader; Dorothy Herman Blum; 11-12:30 a. m., orchestra; Pat Ward; Rita McFawn, Mary Bleber. WGHP, Detroit, Mich. (20.1m-110ke), 8 p. m. dinner concert; 10-11, Frolickers; 11-12 midnight. Skylark dance band, soloists; 12-2 a. m., Gerald Marks orchestra.

Atlantic Eastern Central Meuntain Pacific 9:30 p. m. 8:30 7:30 6:30 5:30 WCAL (336.9m-890kc), Book talk, Dr. George World, Stockern Weida Spohn. WHAS (399.8m-750kc). Civil service talk.

Saturday, June 5

Atlantic Eastern Central Mountain Pacific 8:45 p. m. 7:45 6:45 5:45 4:45

WGBS (315.6m-950kc), "Numerology," Clifford Cheasley.

Monday, June 7 stern Central Mountain Pacific

Tuesday, June 8
Atlantic Eastern Central Mountain Pacific
7:30 p. m. 6:30 5:30 4:30 3:30
WGY (379.5m-790kc), "Cathode Rays," F. C.
Kellov, Kelley:
9:50
8:50
7:50
6:50
5:50
WLW (422.3m-710kc), Talk, Powel Crosley, Jr.
11
0
9
8
7
WMAQ (447.5m-670kc), Book talk.
11:30
10:30
9:30
8:30
7:30
WCCO (416.4m-720kc), "Outdoors in Minnesota." Kelley.

Wednesday, June 9

Atlantic Bastern Mountain Pacific 9 p. m. 8 7 6 5

WTIC (475.8m.630kc), Ukulele lesson, Dan Nolan, 11.30 (1.30 8.30 7.30 KWSC (348.6m.860kc), Book review, Alice Lindsay Webb.

Thursday, June 10
Atlantic Eastern Control Mountain Pacific
7:30p.m. 6:30 5:30 4:30 3:30
WGY (379.5m-790ke), Outdoor talk.

Friday, June 11

Atlantic Eastern Central Mountain Pacific 8 p.m. 7

WOAW (526m-570kc), Music review, Hester Bronson Copper. 9:30 6:30 5:30

WCAL (336.9m-890kc), Book talk. 9

WYNC (526m-570kc), Talk, Dr. Frank Vizetelly.

Saturday, June 12 Atlantie Eastern Central Mountain Pacific 8:45p.m. 7:45 6:45 5:45 4:45 WRC (468.5m-640kc), "The Work of Congress."

Monday, June 14

Atlantic Eastern Central Mountain Pacific 8:30p. m. 7:30 6:30 5:30 4:30

WHAR (275m-1090ke), Industrial talk, B. Orville Ketchum. 7:05 8:05 7:05 6:05 5:05 NYC (526m1570kc), Lecture, College of New York.

10 9 8 7 6 WRVA (256.3m-1170kc), "True Virginia Lore," Dr. Douglas S. Freeman.

WTAM, Cleveland, Ohio (389.4m-770kc), 6:15 p. m., Hollenden hotel orchestra; 7:15-9, WEAF; 9, studio program; 11, Austin Wylle's orchestra.
WWJ. Defroit, Mich. (352.7m-850kc), 6 p. m., dinner concert; 7, WEAF.

Central Standard Time Stations KLDS, Independence, Mo. (440.9m-680ke), 8 p. m., studio

KLDS, Independence, Mo. (440.9m-680kc), 8 p. m., studio program.

(MA, Shenandeah, Iowa (252m-1190kc), 9-11 p. m., Ye Old Time orchestra.

(KOIL, Council Bluris, Iowa (277.6m-1080kc), 6:03 p. m., Wilson Doty, planist; 6:30, Art Marr's Imperial dance orchestra; 7. Dorothy Shove Kelloway, soprano; Kanterine Cheyne Lemen, contralto; Margaret Lemen Green, planist; 8. Harmo-Zazz orchestra; 11. organ recital.

(KPRC, Houston, Tex. (296.9m-1010kc), 7:30 p. m., Harry Kobusch and his orchestra; 8:30, Ralph Miles, tenor; 8:45, Nettie Mae Powell, violinist; 9, First Conscregational quartet; 9:30, Seger Ellis.

(KSD, St. Louis, Mo. (545.1m-550kc), 7 p. m., WEAF; 8. WEAF; 9, Lyric Skydome.

KTHS, Hot Springs National Park, Ark. (374.8m-800kc), 9:10-10 p. m., operatie music. New Arlington hotel ensemble; 10-10:20, accordion selections, Joe Kuntz. KUOA, Fayetteville, Ark. (299.8m-1000kc), 8:30 p. m., musical program.

KVOO, Bristow, Okla. (374.8m-880kc), 6-9 p. m., surplise program.

KYW, Chicago, III. (535.4m-560kc), 6 p. m., musicale; Hearst Square; 8-9:30, classical concert; 9:30-10:30,

prise program.

KYM, Chicago, III. (535.4m-560kc), 6 p. m., musicale;
Hearst Square; 8-9:30, classical concert; 9:30-10:30,
Congress carrival.

WBAP, Fort Worth, Texas (475.9m-630kc), 7:30-9:30
p. m., Davis Baking Powder saxophone octet; 9:30-11,
concert, Mrs. Raymond Wright; 11-12, Sorin-White Top concert; 10-11. Froitegers; 11-12 manners. Sandance band, soloists; 12-2 a. m., Gerald Marks' orchestra.

WGN, Chicago, III. (302.8m-990kc), 6:45-7 p. m., Drake concert ensemble; 8-9. WEAF; 9-10, WEAF; 10-10:10.
Sam 'n' Henry; 10:10-11, ensemble.

WGY, Schenectady, N. Y. (379.5m-790kc), 6:45 p. m., musical program; 7:30. WRC; 8:30, WJZ; 9:30.
Austin Springer, planist; Edna Mcreness, soprano; 10:30. Stephen Boisclair, organist.

WHT, Chicago, III. (399.8m-750kc), 7:10 p. m., Al Carney, organist; 7:30. Grayling's ensemble; May Gartln, contralto; 8:45-10:15 (238m-1260kc), Cindercilla cafe orchestra; 10:30 (399.8m-750kc), Kitchen Klenzer Klassics; 11:10. U. S. L. entertalners; 12 midnight, your hour league.

WIBO, Chicago, III. (245.4m-1330kc), 6-8 p. m., Ginner concert, string trio; tenor; barttone; Chester Neuman; 12, midnight, jamboree; Ted Fiorito, pianist; Dan Russo, violinist; Marle Tully, songs, artists.

WIAZ, Chicago, III. (329.5m-910kc), 9-12 midnight, classical program, Spanish Garden studio.

o' Texas orchestra.

WDAF, Kansas City, Mo. (365.6m-820kc), 6-7 p. m.,
Trianon ensemble; 11:45-3 m-530kc), 6:30-7:30 p. m.,
Jimmy Joy's orchestra; 8:30-9:30, Mrs. Larue Nelson,

soprano.

WHAS, Louisville, Ky. (399.8m-750ke), 7:30-9 p. m., mixed vocal and instrumental concert, Mrs. J. E. Harmon, Jr.

WHB, Kansas City, Mo. (365.6m-820ko), 8-9 p. m., Sweeney symphonic quintet; 9-10, popular dance mu-

sic.
WHO, Des Moines, Iowa (526m-570kc), 7:30-8 p. m.
Raleigh quintet; 8-9, Bankers Life trio; Stewart
Watson, barltone; 11-12, Bankers Life Corn Sugar
orchestra.
WOAI, San Antonio, Texas (394.5m-760kc), 8:30 p. m.,
Mistletoë Melody Maids.

Friday, June 11

Headliners Today Atlantic Eastern Central Mountain Pacific 8 p. m. 7 6 5 4 4 WAHG (315.6m-950kc), 33rd great artist organ | Colorado 4:15 6 6:30 7:15 word seenerio. 9:25 9:25 8:25 7:25 KTHS (374.8m-800ke), Indian music, 12 m. 11 10 9 8 WILIT (394.5m-760ke), Morning Glory club, 2:30 a. m. 1:30 12:30 11:30 KGW (491.5m-610ke), KFOA (454.3m-660ke), Hoot Owls.

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

Atlantic or Eastern Daylight Saving

Atlantic or Eastern Daylight Saving
Time Stations
WAHG, Richmond Hill, N. Y. '(315.6m-950ke), 7:30
p. m., studio program; 8, Thirty-third "Great Artist"
organ recital; 9, studio program; 9:30, the Gondollers; 10, Cilif. Ulrich and Ray Sinnott; 10:30,
dance orchestra.
WCAU, Philadelphia, Pa. (277.6m-1080kc), 6:45 p. m..
Hotel Pennsylvania orchestra; 7:15. Peter Rabbit and
the kiddies; 7:30, Snellenburg Instrumental trio; 8:15,
Enrico Aresoni, operatic tenor; 8:30, the Singing
Groundhog; 8:45. Dwight Strickland, "Poeticiam";
9, the Reginas; 9:15, Nasco Jolly four; 9:45, Gypsy
orchestra; 10:05, songs; 10:30, Myers' Musical Architects.

tects.

WEAF, New York, N. Y. (491.5m-610ke), 4-12 mld-night, Esther Heller Cooper, soprano; tea dance music; Torre and Biviano; Kinney club; Happiness Candy Boys; Ben Bernie and his orchestra; Pelham Heath Inn orchestra

Boys; Bon Bernie and his orchestra; Pelham Heath Inn orchestra.

WEBJ, New York, N. Y. (272.6m-1100kc), 7 p. m., Blenheim theater ensemble; 7:30, Luna Park program; 8. Ruse Pebolsky, soprano; Phllip Krumholtz, baritone; 8:30, Luna Park program.

WEEI, Boston, Mass. (348.6m-860kc), 7:30 p. m., Whiting: 8 Four Merry Milkmen; 8, musicale; 8:30, Neapolitan Girls' quintet; 9, musicale; 9-10:30, WEAF; 10:30, Ed Andrews and his Nautical Gardens orchestra.

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

Bollevue Stratford concert orchestra; 7, Bellevue Shatford dance orchestra.

WGR. Buffalo, N. Y. (319m-940ke), 6:30 p. m., Murray Whiteman's screnaders; 7:30, WEAF; 8, Emmeline Mills Ibbot, pianist; 8:15, Marcía Kellf, vocal program; 8:30, Gospel Melodists; 9, Winger's Crescent Park entertainers; 9:30, WEAF; 10, popular program, Wilbur Metz; 10:30, Lombardo and Faulis, piano accordion and banjo; 11, Vincent Lopez Hotel Statler dance orchestra.

accordion and banjo; 11, Vincent Lopez Hotel Statler dance orchestra.

WHAR, Atlantic City, N. J. (275.lm-1090ke), 8 p. m., Seaside hotel trio.

WHN, New York, N. Y. (361.2m-830ke), 7 p. m., Phil Abrahams and his Colonial Aces; 7:30, Trensureland Neighbors; 8. Uncle Robert's Chair, 8:05, Frank H. Ochs, tenor; 9. Loew's Lexington orchestra; 9:30, Palisades Amusement Park orchestra; 10. Roseland dance orchestra; 10:30, Strand Roof orchestra; 11. Barn club orchestra; 11:30, Club Alabam orchestra; 12 midnight, Silver Slipper orchestra.

WIP, Philadelphia, Pa. (508.2m-590kc), 6:05 p. m., Benjamin Franklin concert orchestra; 7, Uncle Wip's beddling stories.

WIP, Philadelphia, Pa. (508.2m-990kc), 6:05 p. m., Benjamin Franklin concert orchestra; 7, Uncle Wip's bedtline stories.

WJAR, Previdence, R. f. (305.9m-950kc), 8 p. m., musicale; S:30, Gorman's Jolly Bakers; 9, musicale; 10, WEAR'; 11, Providence Biltmore dance orchestra.

WJZ, New York, N. Y. (454.3m-660kc), 7 p. m., Hotel Pennsylvaria Grill orchestra; 8, Sundial Shoe serenaders; 8:30, Bonnie Laddies; 9, Sniders Catsup hour; 10:30, Hotel Lorraine Grill orchestra.

WLIT, Philadelphia, Pa. (394.5m-760kc), 7:30 p. m., Dream Daddy's bedtime stories; 10, Arcadia cafe dance orchestra; 10:30, Rufus and Rastus; 10, Freshman Hour of Music; 12, Morning Glory olub concert.

WMCA, New York, N. Y. (346.7m-880kc), 6 p. m., Olcott Vail and his Hotel McAlpin string ensemble; 6:30, Ernie Golden and his Hotel McAlpin orchestra; 9, Broadway association; 12, McAlpin entertalners.

WOO, Philadelphia, Pa. (508.2m-590kc), 7:30 p. m., Ritz Carlton dinner dance orchestra; 8, talks; 8:15. WOO orchestra; 9:25, recital from Fox theater; 10, Whitall Anglo Persians; 10:30, Sylvania dance orchestra.

WOR, Newark, N. J. (405.2m-740kc), 6:40 p. m., Hotel

cnestra.
WOR, Newark, N. J. (405.2m-740ke), 6:40 p. m., Hotel
Bretton Hall string quartet.

Eastern Standard or Central Daylight

Eastern Standard or Central Daylight
Saving Time Stations
WBAL, Baltimore, Md. (245.8m-1220ke), 6:30-7:30
p. m., dinner program; 8-9, vocal and instrumental
solotsts; 9-10, WBAL trlo; John Wilboum, tenor; 1010:30, mixed quartet; 10:30-11, organ program, Frederick Weaver.
WBBM. Chieago, III. (225.4m-1330kc), 8-10
p. m., Goldie Gordon, violinist; Alemite orchestra; Badger
quartet; Gail Bandell.
WGAP, Washington, D. C. (486.5m-640ko), 6:55-7:45
p. m., studio program; 8-10, studio program; 10-12
mildnight, music, Wardman Park hotel.
WEBH, Chieago, III. (370.2m-810kc), 7 p. m., Oshorn's orchestra; Bernard Weber; Paullne Sachs; 9:15,
Osborn's orchestra; Bernard Weber; Paullne Sachs; 9:15,
Osborn's orchestra; Bernard Weber; 11:2:30 a. m.,
orchestra; Irene Beasley; Day and Knight.
WGHB, Clearwater, Fla. (265.3m-1130ko), 8:30-10 p. m.,
Mrs. Howard Moore; organist. WGHB, Clearwater, Fla. (265.3m-1130ke), 8:30-10 p. m.. Mrs. Howard Moore, organist. (1904), 1904 p. m., dinner concert; 10-11. entertainers; 11-12 midnight, Skylark dance band, soloists. (1904), 1904 p. 190

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Friday, June 11

8:30-9, musical program; 9-9:30, WEAF; 9:30-10, Phantom violn; 10-10:10, Sam 'n' Henry; 10:10-11, musical program, ensemble, WGY, Schenectady, N. Y. (370.5m-790kc), 6:35 p. m., WGY orchestra; 7:15, comedy, "Tangles," WGY players; 8:30, Oneonta night. WHT, Chicago, III. (399.8m-750kc), 7 p. m., Al Carney; Grayling's ensemble; 10:15 (238m-1260kc), Cinderella cafe orchestra; 10:30 (399.8m-750kc), Sunbeam Girls; 11:05, Loftis half-hour presentation; 12 midnight, your hour league.

hour league. WIBO. Chicago, III. (225.4m-1330kc), 6-8 p. m., dinner program, strlng tric; Charlotte Edwards, contralto; 10-12, popular program; Ted Fiorito, planist; Dan Russo, violinist; songs, monologues; Tony Corcoran; Hickey

program, string trio; Charlotte Edwards, contraito; 10-12, popular program; Ted Fiorito, pianist; Dan Russo, violinist; songs, monologues; Tony Corcoran; Hiekey and Johnson.

WIAZ. Chicago, Ill. (329.5m-910ke), 9-12 midnight, Earl Hoffman's Chee Pierre orchestra; the quips that pass in the night; Walter Levis, barlione; Betty Cain, violinist; Eulalie Kober, pianist.

WIR, Pontiac. Mich. (516.9m-580ke), 7 p. m., Petite symphony orchestra; 7:30, Arctle Specials; 9. Mulkey Colebrities; 9:30, Casper Lingeman symphony.

WLIB, Chicago, Ill. (302.8m-990ke), 7:95-7:15 p. m., Old.-Pashlomed Almanack; 11-11:20, Correll and Gosden; 11:20-1 a. m., Liberty studio ensemble; Ambrose Larsen, organist; Tommy Thatcher's Drake hotel dance orchestra; Purple Grackle orchestra.

WLS, Chicago, Ill. (344.5m-670kc), 6:30 p. m., Elsie May Look, organist; 7:15, orchestra; 7:30, Ralph Emerson, organist; 8, popular music; 8:30, Grace Wilson, contraito; 11-12 midnight, Ralph Emerson, organist.

WMAQ, Chicago, Ill. (344.5m-670kc), 6 p. m., Chicago theater organ; 6:20, Family Altar league; 6:30, Wide-Awake club program; 8, musical program; 8:30, Whitney trio; 9:20, musical program, chimes.

WMBB, Chicago, Ill. (249.9m-1200ke), 7:8 p. m., Trianon duo, male trio, Vella Cook, contraito; Frank Bordner, baritone; Norman Hart, old-home songs program; 9-11, Trianon orchestra; Joe Warner, character songs; Krueger and Dillon, banjo barons; male trio.

WOK, Chicago, Ill. (249.9m-130 a. m., Tearney's Town club orchestra; Midway Garden orchestra; Capitol theater organ; studio program; Tip-Top Inn string ensemble concert; 10-1:30 a. m., Tearney's Town club orchestra; Midway Garden orchestra; Capitol theater program.

WOOD Grand Rapids, Mich. (241.8m-1240kc), 9-9:15 p. m., "Schumann"; 9:15-11. elession! concert.

W21, Chicago, Ill. (47.5m-670kc), 7-8, p. m., Rainbo Gardens orchestra; R. G. Ball, barritone; Chrystal Eaton Taylor, soprano; Chester Newman; 10-2 a. m. orchestra; Muriel Oison, contratte; Johnny Poat, baritone; Remo Vincent.

W22, Chicago, Ill.

Roof Garden orchestra; 11, Can., Vinginny.
WSWS, Chicago, 111. (275.8m-1090kc), 6 p. m., Madaline McGraw, ballads; 8, Terrace Gardens; John Clark, baritone; 10, Terrace Gardens.
WTAM, Cleveland, Ohio (389.4m-770kc), 6:15 p. m., Hotel Cleveland orchestra; 8, studio program; 9, WEAF;

Hotel Crevenato Grinera, c, studio program, 9:30, studio program.

WIC, Hartford, Conn. (475.9m-630kc), 7:15 p. m.,
Naugatuck commanity program; 9:30, popular songs,
Arline Talmadge; 9:45, WTIC mail bag; 10, Emil
Heimberger's dance orchestra.

WJ. Defroit, Mich. (352.7m-850kc), 6 p. m., dinner
concert; 8, News orchestra; 9, WEAF; 9:30, dance

Central Standard Time Stations KFAB, Lincoln, Nebr. (340.7m.-880kc), 5:30-6:30 p. m., dlnner concert; 8:30-10:30, Bohemian band.
KFKX, Hastings, Nebr. (288.3m-1040kc), 9-11 p. m., Baptist church program.
KMA, Shenandosh, Iowa (252m-1190ke), 9-11 p. m.,

KMA, Shenandoah, Iowa (252m-1190ke), 9-11 p. m., musical program.
KMOX, St. Louis, Mo. (280.2m-1070ke), 6:30 p. m., dinner time recital, Mrs. Jacque Landree, organist; 8, orchestra, light opera selections; 9, "Tony Bungay", novel; soloists; 10, Music Lovers' hour, orchestra; Helen Musick, soprano; 11, Rendezvous club; A. Snyder, accordionist.
KOIL, Council Bluffs, lowa (277.6m-1080kc), 6:03 p. m., Ukulele Rag-Pelckers; 6:30, Randall's Royal orchestra; 7:30, Walter Jenkins, baritone; Mrs. Walter Jenkins, accompanist; Mrs. W. A. Culter, soprano; Florence Senior Duerr, pianist; 8:30, Jack and Jill; 11, Hotsy Totsy hour.

Totsy hour. KSD, St. Louis, Mo. (545.1m-550ke), 7:30 p. m., program: 8 muste.

Totsy hour.

KSD. St. Louis, Mo. (545.1m-550ke), 7:30 p. m., Program; 8, music.

KTHS, Hot Springs National Park, Ark. (374.8m-800ke), 9:10 p. m., vocal selections, Mrs. Violet Belding; 9:25-10, Indian music, New Arlington Hotel-Meyer Davis' stringed quartet; 10-10:30. Ray Mullins orchestra.

KV00, Bristow, Okla. (374.8m-800kc), 6-9 p. m., Josephine Storey-White, 4m-560ke), 6 p. m., musicale: KYW, Chicago, Ill. (535.4m-650kc), 6 p. m., musicale: 1-8. Federal Masters, 9:30-11 Congress carnival.

WBAF, Fort Worth, exas (475.9m-630kc), 7:30-8:30 p. m., Panther Hawaiian trlo; 9:30-11, program, H. T. Croft; 11-12, musicale: WBAF, 578 Kansas City, Mo. (365.6m-820ke), 6-7 p. m. Trianon ensemble; 8-8:30, WEAF; 8:30-9:30, varied musical program; 11:45-1 a. m. Kighthawk frolic. WFAA. Dallas, Texas (475.9m-630ke), 6:30-7:30 p. m., Orchard Hill orchestra, 8:30-9:33, Four Hoarse men. WGBF, Evansville, Ind. (236. m.1270kc), p. m., A. L. Maxwell company; 11. D-X hunting club, m. Markell company; 12. D-X hunting club, m. Markell company; 13. D-X hunting club, 7:30-9 p. m., Bittick Benson chestra. (365.6m-820kc), 7:30-9 p. m., J. Worth Allen, banio soloist and Banjo club; 8:15-9, Amella Beinke, soprano; Rall Grigsby, tenor; C. Lee, basso; Iva Hamilton Butler, planist; 11-12, Philbreck and his orchestra.

WOAI, San Antonio, Texas (394.5m-760kc), 8:30 p. m., San Antonio College of Music program, or Walter Dunham Harmonologue.

WOAW, Omaha, Nebr. (526m-570kc), 6 p. m., music review; 6:50, Jaffy and Braviroff; 9, M. C. Peters Mill company.

WOC, Davenport, Iowa (483.6m-620kc), 5:46-5:55 p. m., chimes concert; 8:-9, musical program; Norlne Murray, chimes concert. See.

company.

WOC, Davenport, Iewa (483.6m-620ke), 5:45-5:55 p. m.
chimes concert; 8-9, musical program; Norine Murray
soprano; Mrs. F. Rehling, soprano; John McGreevy

wsb. Atlanta, Ga. (428.3m-700kc), 8 p. m., concert 10:45, concert.

WSM, Nashville, Tenn. (282.8m-1060kc), 7 p. m., Beasley Smith's orchestra; 8:15, program; Mrs. Eva Thompson Jones, contralto; 10, Dutch Ehrhart, and his or-

chestra.

WSOE, Milwaukee, Wis. (245.8m-1220ke), 7 p. m., dinner music; 7:45, mass singing; 9, Candygram revue.

Mountain Standard Time Stations
KOA, Denver, Colo. (322.4m-930ke), 6:30 p. m., Brown
Palace string orchestra; 8, Scheuerman's Colorado orchestra; 8:15, celebration, fittieth anniversary, Colorado's admission to the Union.

rado's admission to the Union.

Pacific Standard Time Stations

KFI, Les Angeles, Calif. (467m-642ke), 7-8 p. m.,
Kanner string trlo; 8-9. Aeolian organ; 9-10. Yvonne
Gerard, pianlst; Walter Menard, tenor and Mutual
Mutual mirth concert; 10-11, Packard ballad hour.

KFOA, Seattle, Wash. (454.3m-660ke), 5:55-6:25 p. m..
Atwater Kent boys, Doug and Fred; 6:45-8:15, program; 8:30-10. Times studio program; 11-12 mionight, KGW.

KFWR. Hellywood. Calif. (252m-1190kc). 6:30-7:30

Right, KGW.

KFWB, Hellywood. Calif. (252m-1190kc). 6:30-7:30
m., Pontlae Six dinner hour: 7:30-8. program.
Paralta studior, 8-9, program. John Wright. The
Right Tallor; 9-10, program John Wright. The
Roy Hell Warner Brothers Folic.

KGW, Portland, Dre. (491.5m-810kc), 6-7 p. m., dinner
conert; 8-9, rocal and Instrumental; 10:30-12 midnight,
frolic. Keep Growing Wiser Order of Hoot Owls, Pantages start and instrumental; 10:30-12 midnight,
frolic. Keep Growing Wiser Order of Hoot Owls, Pantages and Helly Start Calif. (405.2m-740kc). 6:30-7:30
m. H. J. Lee Start Calif. (405.2m-740kc). 6:30-7:30
m. H. J. Lee Start Calif. (336.9m-890kc). 7-8 p. m.
Bad Egg club; 8-9, Jell-X-Cell program; 9-10, Order
Optimistic Donuts; 10-11, Hollywood America
Legion fights; 11-12. Coccanut Grove dance orchestra.
KTAB. Oakland, Calif. (239.9m-1250kc), 8-10 p. m.

Studio program.

studio program.

(WSG, Puliman, Wash. (348.6m-860ke), 8-9:30 p. m.,
Della Crumpacker, planist; Chester Hoffman, saxophonist; songs, Vay Kearns; Esther Olsen, reader.

Saturday, June 12

Headliners Today

Atlantic Eastern Central Mountain Pacific 6:30 p. m. 5:30 4:30 3:30 2:30 WGBS (315.6m-950kc), Vincent Sorey concert trio. 8 7 6 5 4 \[\forall \text{WGBS} \quad \text{(315.6m} - 950kc), \quad \text{Vincent Sorey concert trio.} \\ 8 & 7 & 6 & 5 & 5 & 4 \\
 \text{WSW8} \quad \text{(275.8m} - 1090ko), \quad \text{Chlcago serenaders.} \\ 8:15 & 7:15 & 6:15 & 5:15 & 4:15 \\
 \text{WLS} \quad \text{(344.6m} - 870kc), \quad \text{National barn dance.} \\ 9 & 8 & 7 & 6 & 5 \\
 \text{CFCA'S Summer orchestra.} \\ \text{KSD} \quad \text{(545.4m} - 550kc), \quad \text{Lyric Skydome.} \\
 \text{WT,W.} \quad \text{(422.3m} - 710kc), \quad \text{Polyphonic muslc.} \\ 9:30 & 6:30 & 5:30 \\
 \text{WHAS} \quad \text{(399.8m} - 750kc), \quad \text{Cardinals.} \\ 7 & 6 \\
 \text{WLW} \quad \text{(422.3m} - 710kc), \quad \text{Polyphonic music.} \\ 10:30 & 9:30 & 7:30 & 6:30 \\
 \text{VLW} \quad \text{(422.3m} - 710kc), \quad \text{Polyphonic music.} \\ 10:30 & 9:30 & 7:30 & 6:30 \\
 \text{VLM} \quad \text{(429.3m} - 940kc), \quad \text{Back to the Land of Memory.} \\ 11 & 10 & 9 & 8 \\
 \text{VRC} \quad \quad \text{(468.5m} - 640kc), \quad \text{Mayflower cruise.} \\ 12 \text{m.} \quad \text{II} \quad \text{(468.5m} - 640kc), \quad \text{Angelus strlng trio.} \end{argments} \quad \text{8} \quad \text{KFI} \quad \text{(467m} - 642kc), \quad \text{Angelus strlng trio.} \end{argments} \quad \text{RC} \quad \text{(468.7m} \quad \text{640kc}), \quad \quad \text{Angelus strlng trio.} \end{argments} \quad \quad \text{8} \quad \text{7} \quad \text{8} \quad \quad \text{8} \quad \text{8} \quad \text{8} \quad \text{8} \quad \quad \quad \text{8} \quad \quad \text{8} \quad \quad

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

Atlantic or Eastern Daylight Saving

Time Stations

GFGA, Toronto, Canada (356.9m.840kc), 9 p. m., CFCA's summer orchestra.

WAHG, Richmond Hill, N. Y. (315.6m.950kc), 12 midnight, Midnight variety program.

WBBR, New York, N. Y. (272.6m.1400kc), 8 p. m., Fred Twarosobk, tenor; Joseph Bonaccorso, violinist.

WEAF, New York, N. Y. (491.5m.610kc), 4-12 midnight, dinner music; musical comedy hits; Edgar Gruen, baritone; Buffalodians; Vincent Lopez and his orchestra.

WEEI, Boston, Mass. (348.6m-860kc), 7:45 p. m., Lucerne-in-Maine quintet; 8:10, Pop concert.
WFI. Philadelphia, Pa. (394.5m-760kc), 6:30 p. m., Bellevue Stratford concert orchestra; 7, Bellevue Stratford dance orchestra; 9, LuLu Temple Imperial band.
WGBS, New York, N. Y. (315.6m-950kc), 6:30 p. m., Vincent Sorey concert trio; 7:10, Sorey concert trio; 7:15, travel talk; 7:30, Arcadla orchestra; 8:45, Clifford Cheasley, "Numbeology"; 10:30, Arrowhead Inn dance orchestra.
WHAR, Atlantic City, N. J. (275.1m-1090kc), 8 p. m., Seaside hotel trio.

WiP, Philadephia, Pa. (508.2m-590ke), 6:05 p. m., Benjamin Franklin hotel concert orchestra; 8:15, classical period; 9. musicale; 10:05, El Patio dance orchestra; 11:05, organ recital.
WIZ, New York, N. Y. (343.3m-660ke), 7 p. m., Hotel Madison concert orchestra; 8. WRC; 11, Hotel Marflower dance orchestra.
WLIT, Philadelphia, Pa. (394.5m-760ke), 7:30 p. m., Benjamin Franklin concert orchestra.
WMCA, New York, N. Y. (340.7m-880ke), 6 p. m., Olcott Vail and his Hotel McAlpin string ensemble; 7, Toppen's orchestra; 10, Norman Pearce, readings; 11, Ernie Golden and his Hotel McAlpin orchestra; 12 midnight. McAlpin entertainers.
WOO, Philadelphia, Pa. (598.2m-590ke), 7:30 p. m., Adelphia concert orchestra.
WOR, Newark, N. J. (495.2m-740ke), 6:30 p. m., Jacques Jacobs' Hotel Shelton ensemble; 7:30, Van's Collegians; 8, Orange Chamber of Commerce program; 8:45, Copenhagen quartot; 11, Larry Siry's Hotel Ambassador orchestra.
Eastern Standard or Central Dawlight

Eastern Standard or Central Daylight

Eastern Standard or Central Daylight
Saving Time Stations
WBBM, Chleago, III. (225.4m-1330ke), 8-10 p. m., Alemite orchestra; Ziegler Stars; Tip trio; 10-11, dance period; 12-2 a. m., Matched Unit quartet; Ziegler Stars.
WEBH, Chleago, III. (370.2m-810ke), 8 p. m., songs, Frank Greff; 9:15-10, Edgewater Beach hotel orchestra; 11-12 midnight; Edgewater Beach hotel orchestra; Kay Ronayne; 1-2 a. m., ftolle.
WGN, Chicago, III. (302.8m-990ke), 6:45-7 p. m., muslcal program; 8:30-9:30, light opera concert; 9:30-10, old-time prize fight; 10-10:10, Sam 'n' Henry; 10:10-11, ensemble.

ensemble.

WGY, Schenectady, N. Y. (379.5m-790kc), 6:30 p. m., dinner program, Hotel Onondaga; 9:30, dance music, Hotel Syracuse.

WHT, Chicago, III. (399.8m-750kc), 7 p. m., Al Carney, organist; 10:15 (238m-1260kc), Cinderella orchestra; 10:50, Jack Turner; Irene Smith; 12 midnight, your bour league

10:50. Jack Turner; Irene Smith; 12 midnight, your hour league.
WIBO Chicago, III. (225.4m-1330kc), 6-8 p. m., dinner program; string trio; Frances Scheibe, George Hancher, Evelyn Elliott, Christopher Hendra.
WJAZ, Chicago, III. (329.5m-919kr), 9-1 a. m., popular program. Pierre's stdie. gm-560kc), 7 p. m., Stromfeltz-Loveley seenadders; 9, Jean Goldkette's serenaders; 10, Jean Goldkette's Victor Recording orchestra; 11:30, Merry Old Chief.
WLIB. Chicago, III. (328.m-990kc), 7:15-7:30 p. m., dinner concert; 7:39-8, Drake concert ensemble, Blackstone string quintet; Pattison Coates, barttone; 11-12:0, Correll and Gosden; 11:20-1 a. m., Liberty studio ensemble; Ambrose Larsen, organist; Purple Grackle orchestra.

orchestra.
WLS, Chicago, III. (344.6m-870kc), 7:15 p. m., national

WLW, Cincinnati, Ohio (422.3m-710kc), 7:30 p. m., meeting, Sekatary Hawkins' Radio club; 8. Polyphonic music, Mi. St. Mary's Seminary choir; 8:45. Katz and his Kittens; 9:30, Henry Theis and his orchestra.

WMAQ, Chicago, Ill. (447.5m-670kc), 6 p. m., Chicago theater organ; 6:30, Hotol La Salle orchestra; 8, Daw and Prati; 8:30, photologue; 9, Chicago theater revue.

WMBB, Chicago, Ill. (249.9m-1200kc), 7-8 p. m., Trianon ensemble; Hilda Hinrichs, cellist; Margaret Conrad, violinist; Preston Graves, pianist; Franklin Kidd, tenor; Arvid Anderson, program; 9-11, Trianon orchestra; ensemble; Andy Anderson, Trianon Syncopators; Jack Goodwin, Jimmle Eggert, Oxford girls, popular program.

WOK, Chicago, Ill. (217.3m-1380kc), 4:30-7 p. m., Capitol theater organ; Tip-Top Inn ensemble concert; 10-1 a. m., Tearney's Town club orchestra; Carl Lorraine's Pershing Palace orchestra; Midway Garden orchestra; Midway Gardens orchestra.

WOOD, Grand Rapids, Mich. (241.8m-1240kc), 9-10 p. m., Elizabeth Barker Van Campen hour of music; 10-11, Pervis Jeffrey, Roy Clark, Harold DeWindt, Bob and Hazel McOsker, Freddie Gleason, Thelma Dykman, Louie Cunningham, Dorothy Dykman.

WSA1, Cincinnati, Ohio (325.9m-220kc), 8 p. m., chimes concert, Robert Badgley; 8:30, Bicycle Playing Card sextet; 12 midnight, popular program; 3, Hollenden hotel orchestra; 7:30, studio program; 8, Hollenden hotel orchestra; 7:30, studio program; 8, Hollenden hotel orchestra; 9, Ev Jones and his gans.

WTIC, Hartford, Conn. (475.8m-630kc), 7:30 p. m., Ideal male quartet; 8:15, string quartet; 9, Alice Townsend, soprano; 9:15, Nina Woodbury, cellist; 9:30, Carroll's Palais Royal dance orchestra.

KFAB, Lincoln, Nebr. (340.7m-880kc), 5:15-3:45 p. m.,

Central Standard Time Stations

KFAB, Lincoln, Nebr. (340.7m-880ke), 3:15-3:45 p. m.,
Buick Master Sky orchestra; 5:30-6:30, dinner conective Standard, Dilletter Stations, Stationary Conective Stationary Control of Stationary Conective Stationary Control of Stationary Control

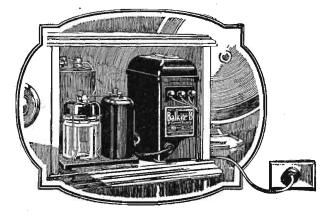
KMS, E. N. Brinkman, soprano; George Howerton, organist; Mrs. Herbert Spokesfield, pianist; E. N.
Brinkman, baritone

KMA, Shenandaah, lowa (252m-1190ke), 9-11 p. m.,
musical program.

musical program.

KMOX, St. Louis, Mo. (280.2m-1070kc), 6:30 p. m., Mrs. Jacque Landree, organist; 8, Cotton Pickers, soloist; orchestra, light opera selections; 9, Marguerite Schmidt, pianist; 9:30, Mrs. Jacque Landree, organist, harp solos; David Bittner, violinist; 11, Rendeavous club.

KOIL, Council Bluffs, lowa (277.6m-1080kc), 6:03 p. m., 'Y' Ploneer Radio club; 6:30, Virginia Fair, pianist; 7:30, Paramount program; 8, Francis Potter and his Banjo orchestra; 11, Hotsy Totsy hour.



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CLASSICAL CONCERTS INDEX

Saturday, June 12

KPRC, Houston, Tex. (296.9m-1010ke), 7:30 p. m., Universal Bible class; 8, Frank Tilton, blind wonder boy pianist; 10:30, Harold Oxley's Warwick hotel orstra. St. Louis, Mo. (545.1m-550ke), 7 p. m., Lyric rdome KSD, St. Louis, Mo. (545.1m-550ke), 7 p. m., Lyric Skydome, Strings, National Park, Ark. (374.8m-800ke), 9:10-10 p. m., New Arlington hotel orchestra. KVOO, Bristow, Okla. (374.8m-800ke), 6-9 p. m., Marshall Van Pool and his Radio orchestra. KYW. Chieago. III. (535.4m-560ke), 6 p. m., hour of musie; 7, KYW's Congress hotel studic; 8-9:30, classical concert; 9:30-11, Congress carnival. WBAP, Fort Worth, Texas (475.8m-630ke), 7:30-8:30 p. m., Sunday school lesson; 9:30-11, Hired Hand's Little symphony. WDAF, Kansas City, Mo. (365.6m-820kc), 6-7 p. m., organ music; Trianon ensemble; 11:45-1 a. m., Nighthawi frolic. hawk frolic.

WFAA, Dallas, Texas (475.9m-630ko), 6:30-7:30 p. m.,

Jimmy Joy's orchestra; 8:30-9:30. Eltzabeth Gay Jones,

planist; 11-12 mldnight, Jack Gardner's orchestra.

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

Carddnell WHAS, Louisville, 1985. Cardinals, Cardinals, WOAW, Omaha, Nebr. (526m-570kc), 6 p. m., orchestra 6:50, orchestra; 9, program, Omaha Printing company 6:50, orchestra; 9, program, Umana PTILLING CUMPARY, 10, organ.
WOC, Davenport, Iowa (483.6m-620kc), 5:45-5:55 p. m., chimes concert; 9-10, musical program, Moose band.
WSB, Atianta, Ga. (428.3m-700kc), 8 p. m., Atlanta Atwater Kent hour; 10:45, Rogers Red-Head club.
WSM, Nashville, Tenn. (282.3m-1060kc), 7 p. m., Beasley Smith's orchestra; 8:15, popular program.
WSMB, New Orleans, La. (319m-940kc), 8:30 p. m., Cotton Pickin Twins, Ray McNamara, Back to the Land of Memory program.
WSOE, Milwaukee, Wis. (245.8m-1220kc), 7 p. m., dinner music; 8:30, Sunday school lesson; 9, studio program. w\$U1, lowa City, lowa (483.6m-620ke), 7:30 p. m.,

Mountain Standard Time Stations KOA. Denver. Colo. (322.4m-930ke), 9 p. m., Harm Peerless orchestra.

Pacific Standard Time Stations Pacific Standard Time Stations
KFI. Los Angoles, Calif. (467m-642kc), 7-8 p. m., Al
Wesson's orchestra; 8-9, Angelus string trio; 9-10,
popular program; 10-11. Packard Radio club; 11-2
a. m., KET midnight frolio.
KFOA, Saattle, Wash. (454.3m-660kc), 8:15-9:30 p. m.,
all-artist studio program; 9:30-11, Jactle Souders and
his Club Lido Serenaders.
KFWB, Hollywood, Calif. (252m-1190ke), 6:30-7:30
p. m., Pontiac Six dinner hour; 7:30-7:45. Little Ant
Man; 8-9, program, Smith Investment company; 9-11,
Warner Brothers frolle, Len Nash and his Country
Boys. Warner Brothers frolic, Len Nash and his Country Boys.

K60, Oakland, Calif. (361.2m.830ko), 8:10-9 p. m., Leo J. Meyberg company program; 9-10. Florence Fowden, soprano; Julius Goldsmith, violist; Ladies trio; instrumental quartet; 10-12:30. dance music. K6W. Portland, Ore. (491.5m.610kc), 6-7 p. m., concert; 10-12 midnight, Herman Kentin's dance orehestra. KH1, Les Angeles, Calif. (405.2m.740kc), 6:30-7:30 p. m., Children's hour with Uncle John; 8-10, varied program of popular and semi-classical nature. KNX, Hollywood, Calif. (336.9m.898kc), 7:15 p. m., church announcements; 7:30-8, studio program; 10-11. Coccanut Grove dance orchestrs; 11-2 a. m., KNX Hollywood Wite, Filmland frolic.
KPSN, Pasadena, Calif. (315.9m.950ko), 8-9 p. m., Star-News concert hour.

Sunday, June 13

Headliners Today Atlantio Eastern Central Mountain 6 p. m. 5 4 3 WLIB (302.8m-990kc), Arabian Nights.

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

Atlantic or Eastern Daylight Saving

Time Stations

Time Stations

WBBR, New York, N. Y. (272.6m-1100kc), 10 a. m., Watchtower orchestra; Fred Twaroschk, tenor; Bible lecture; 2 p. m., orchestra; Bible lecture; 9, Watchtower orchestra; Bible taik.

WGAU, Philadelphia, Pa. (277.6m-1080kc), 11 a. m., serrices, First Unitarian church; 5 p. m., recttal; 5:15, undenominational church services; 5:45, sermon, Rev. John W. Stockwell; 6:45, Hotel Pennsylvania orchestra; 7:45, Cathay Tea Garden concert orchestra; 8:30, Bonwit Teller cnsemble; 9, Lester and K. A. North hour of music; 10, Charlle Kerr and his orchestra. chestra.
WEAF, New York, N. Y. (491.5m-610ke), 7:20 p. m.,
Capitol theater; 9:15, Atwater Kent half hour; 9:45-

chestra.

WEAF, New York, N. Y. (491.5m-610kc), 7:20 p. m., Capitol theater; 9:15, Atwater Kent half hour; 9:45-10:15, announced.

WEE1, Boston, Mass. (348.6m-860kc), 6 p. m., Jordan Marsh company's Sparkling Dlamonds; 7:20, WEAF; 9:15, WEAF; 9:45, Keith's theater.

WFI, Philadelphia, Pa. (394.5m-760kc), 4:30 p. m., services, Arch St. Presbyterian church.

WGBS, New York, N. Y. (319m-940kc), 10:45 a. m., Westminister Presbyterian church; 7:45 p. m., Central Presbyterian church; 7:45 p. m., Central Presbyterian church; 9:15, WEAF.

WHAR, Atlantic City, N. J. (275.1m-1090kc), 10:45 a. m., Chelsea Baptist church; 9. with the classics, Seaside hotel ensemble.

WHN, New York, N. Y. (361.2m-830kc), 11:30 a. m., Calvary morning services; 12:30 p. m., Loew's Lexington organ recital; 2, Queens County Christian Endeavor program; 3, Radio Bible class; 5, Roscland dance orchestra; 7:30, Calvary Evening services; 10:45, Janssen's Hofbrau; 12 midnight, Sophie Tucker's Playground.

WIP, Philadelphia, Pa. (508.2m-590kc), 10:45 a. m., services, Holy Trinity church.

WIZ, New York, N. Y. (484.3m-660kc), 7 p. m., Park Ave. Baptist church carillon; 7:20, Hotel Pennyslvania concert orchestra; 8, Bakelite hour; 9, Hotel Commodoro coueert orchestra; 6, 30, organ recital; 7, Benjamin Franklin concert orchestra; 6, 30, organ recital; 7, Benjamin Franklin concert orchestra; 6, 50, organ recital; 7, 50, organ recital; 7, 50, organ re

Eastern Standard or Central Daylight Saving Time Stations

WBAL, Baltimore, Md. (245.9m-1220kc), 7:30-8:80 p. m., twilight program, concert orchestra. WBBM, Chicage, III. (225.4m-1330kc), 12:30-2 p. m., noon-hour of music; 4-6, matinee; 11:59-3 a. m., Nutty Ciub.

WGBD, Zion, III. (344,8m-870ke), 9 p. m., mixed quartet; M. P. Barten, J. D. Thomas; Wiedman Sisters; Ida Peterson, soprano; L. J. Hire, viclist; Chester Bagg, trombondst.

WEBH, Chicago, III. (370.2m-810ke), 10:40 a. m., Seventh Church of Christ, Scientist; 7-9, artists' pro-

wGN, Chicago, III. (302.8m-990kc), 6:45-7 p.m., musteal program; 7-7:20, ms. Million Sing; 7:20-7:30, ms. Allion Sing; 7:20-7:30, ms. Million Sing; 7:20-7:30, ms

WEAF; 8:45-10, "Our Music Room—Verdi"; 10-10:10, Sam 'n' Henry; 10:10-11, musical program.
WGY, Schenectady, N. Y. (379.5m-790kc), 10 a. m., First Unitarian society, All Souls church; 3:30 p. m., organ recital, Elmer Tidmarsh; 7, WJZ; 8, WJZ; 9, WJZ.

organ recital, Elmer Tidmarsh; 7, WJZ; 8, WJZ; 9, WJZ; 9, WJZ; 9, WJZ; 9, WJZ; WHT. Chicago, III. (399.8m-750ko), 12n.-11:30 p. m., Paul Rader. W180. Chicago, III. (252.4m-1330ke), 6-8 p. m., dinner concert, string tric; Agnes Buchil, soprano; Helen Shyder, Riobert York; 10-12, popular program, artists. WJAZ, Chicago, III. (325.5m-910ke), 7-9 p. m., classical program, Spanish Garden studio. WB, Fontiac, Mich. (316.9m-550ko), 10:30 a. m., First Baptist church. W1. (346.6m-950ke), 5-6:15 p. m., triable thicago, III. (346.6m-950ke), 5-6:15 p. m., Table Convocation Sunday 180 p. m., Ralph Emerson, organist tive N. (346.6m-957ke), 10:45 a. m., U. of Convocation Sunday 180 p. m., Ralph Emerson, organist tive N. (342.9m-1200kc), 5-5 p. m., Trianon orchestra; Woodlawn theater orchestra; Wullington Forbes, tenor; Andy Anderson, bartione; plano novattics, Bob Bennett; popular concert; 7:40-9, Fifth Church of Christ, Scientist; 9-11, Trianon orchestra; Andy Anderson, bartione; Proston Graves, planist; Scoty Welch and Madison Sisters, Golden Harmony tric; popular program (180k), 6 p. m.-1 a. m., WOK, Chicago, III. (217.3m-1380ko), 6 p. m.-1 a. m.

work, Chicago, III. (217.3m-1380ke), 6 p. m.-1 a. m., Work, Chicago, III. (217.3m-1380ke), 6 p. m.-1 a. m., Tearney's Town club orchestra; Carl Lorraine's Pershing Palace orchestra; Midway Garden orchestra; Capitol theater musical program; Tip-Top string ensemble;

studio program.
WSAI, Cincinnati, Ohle (325.8m-920ke), 10 a. m.-12:15
p. St. Elizabeth church: 7:45, chimes concert,
Robert Badgiey, 8:15-8:45, WEAE,
WSWS, Chicago, III. (275.8m-1090ke), 11 a. m., Moody

Saturday

Atlantic Eastern Central Mountain Pacific 7 p. m. 6 4 3

WCX, WEAF, WMCA, WREO. 8

KGO, KYW, WEAF, WENR, WMAQ, WNYC, WOAW, WOK, WRC. 9

8 7 6 5

KDA, KFNF, KOIL, KSD, KYW, WBBR, WGN, WMBB, WNYC, WOAW, WQJ. 9

KFOA, KPRC, KHJ, KYW, WHAS, WIP, WLW, WORD, WSAI, WSOE. 11 10 9 8

KNX, KYW, WEAF, WMAQ, WMC, WOAW, WOC, WORD. 10 9 8

KNX, KYW, WEAF, WMAQ, WMC, WOAW, WOC, WORD. 11 10 9 8

11

Sunday

Atlantic Eastern Central Mountain Pacific 7:20 p. m. 6:20 5:20 4:20 3:20 WCAE, WCAU, WEAF, WEEI, WJAR, WJAZ, WTAG, WWJ. 9 8 7 6 WAMD, WBZ, WEAB, WCAU, WHAR, WJAZ, WHT, WNYC, WQJ.

WELL WISTO, WESS, 8 7 WCBD, WCCO, WEAR, WGY, 8:15 7:15 6:15 5:15

II 10 9 8 7 KHJ, KNX, KTHS, KYW, WCCO, WFAA, WOC, WSOE.

WOC, WSOE. 10 9 8 RFVE, KHJ, KNX, KPO, KTHS, WKRC, WOC. 1a.m. 12 m. 11 0 9 KHJ, KNX, WOC. 12 m 11 10

Monday

Tuesday

THESCAY

Atlantic Eastern Central Mountain Pacific 7 p. m. 6 5 4 8 7 6 5 4 8 7 6 5 4 8 8 7 6 7 8 8 7 8 7 8 8 7 8

WTIC. 9 8 8 WQJ, WRC, 10 8 KYW, WGAE, WCBD, WCCO, WEAF, WEEL, WGR, WHAS, WJAR, WLW, WMAQ, WOC, WORD,

10

12 m. KGO.

1 a. m. 12 m. WOAW.

9:15 8:1 WEAF chain.

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Saturday

WFAA, Dallas, Texas (475.9m-630ke), 2:30 p. m., farmers' hour; 6-7, Radio Bible class; 7:15-8, Leland Johnson; 8-9, Service City temple; 9-9:30, Willard B. Muse, tenor; Ruth Muse, contraito; 11-12 midnight, Shaw-Smith College club orchestra.

mign., Snaw-Smith College club orchestra.

WHB. Knass City, Mo. (385.6m #22006.) 9:40-10:45
a. m., Linwood Blvd. Christian church; 11:10-12:30
p. m., Independence Blvd. Christian church; 8-9, Westport Methodist church; 11:45-1 a. m., Morrill Moore, organist; Don Anchors, Doet.

WOAI, San Antonio, Texas (594.5m-760ke), 11 a. m., First Presbyterian church; 7:45 p. m., Central Christian church.

WOAW, Omaha, Nebr. (526m-570ke), 9 a. m., Rev. R. R. Brown; 1:30 p. m., Father Flanagan's Boys' home period; 9, chapel.

WSB, Atlanta, Ga. (428.3m-700kc), 5 p. m., sacred concert; 7:30, Second Baptist church service. WSM, Nashville, Tenn. (282.8m-1060kc), 10:30 a. m., First Presbyterian church.

WSUI, lowa Ctly, lowa (483.6m-620kc), 9 p. m. familiar hymns, Celeste Fuhrmann.

Mountain Standard Time Stations

KOA, Denver, Colo. (322.4m-930kc), 10:55 p. m., Trinity Methodist Episcopal church; 6:30 p. m., Little symphony orchestra; 7:40, Trinity Methodist Episcopal church.

Pacific Standard Time Stations

KFi, Los Angeles, Calif. (467m-642ke), 7-7:30 p. m., Grebe Synchrophase string ensemble; 7:30-8, Jim, Jack and Jean trio; 8-9, Aeolian organ; 9-10, Mert Denman

Atlantic or Eastern Daylight Saving Time Stations

CKNC, Toronto, Can. (356.8m-840ks), 9 p. m., CKNC Chamber orchestra; Mrs. Harry Hogdetts, soprano. WAHG, Richmond Hill. N. V. (315.6m-950ks), 7:30 p. m., Boy Scouts program; 8, Synchrophase hour; 9, Major Dent Atkinson; 9:15, Janet Bube-Hecht, contraito; 9:30, studio program; 10:20, Ferrucci's Radio Raiders; 11:02, Ferrucci's Radio Raiders; 12, Frank Tremer's Orionites.

WBBR, New York, N. Y. (272.6m-1100ke), 8 p. m., Syrian music, Prof. Toufic Moubaid, Elizabeth Awad. WEAF, New York, N. Y. (491.5m-610ko), 6-12 mid-night, A. and P. Gypsies; Grand opera; Ben Bernie

and his orchestra.

WGR, Buffalo, N. Y. (319m-940ke), 6:30 p. m., Vincent Lopez Hotel Statler dance orchestra; 9, Buffalo State Normal Program; 9:30, 174th Infrantry band; 10:30, concert, Mrs. Martha E. Hudson and associates; 11, Vincent Lopez Hotel Statler dance orchestra.

WHAR, Atlantic City, N. J. (275.1m-1090ke), 8 p. m., Flag Day, patriotic program; Seaside hotel trio; 11, Folles Bergere dance orchestra.

WHN, New York, N. Y. (381-2m-830ke), 6:30 p. m., WHN movie club; 8, Roseland dance orchestra; 8:30, George's Surprise; 9, Leverich Three and "Peter the Great"; 9:30, Loew's New York orchestra; 10, Pall-sades Amusement Park orchestra; 10:30, Leroy Smith's orchestra; 11, Cotton club orchestra; 11:30, Club Alabam orchestra; 12 midnight, Silver Slipper orchestra.

VJZ, New York, N. Y. (454.3m-660ke), 7 p. m., Hotel Madlson dinner concert; 7:55, John B. Kennedy; 8, Astor Coffee orchestra; 9, Reading Seashore band; 10, Moorland hour; 10:45, Waldorf-Astoria orchestra. WLWL, New York, N. Y. (288.3m-1040kb), 8:30 p. m., program; 9:30, Schickerling concert; 10, study club.

WMCA, New York, N. Y. (340.7m-880kc), 6:30 p. m., Ernle Golden and his Hotel Medlpin orthestra; 9:15, Hardman Hour of Music; 12, McAlpin entertainers.

WOR, Newark, N. I. (405.2m.740kc), 6:30 p. m., Jacques Jacobs' Hotel Shelton ensemble; 7:30, Copen-hagen quartet; 8:45, Kileh's Serenading Shoemakers; 11, Larry Siry's Hotel Ambassador orchestra.

Eastern Standard or Central Daylight Saving Time Stations

VBAL, Baltimore, Md. (245.8m-1220ke), 6:30-7:30 p. m., dinner program, orchestra; 8-10, musical, vocal and instrumental solos; 10-11, ensemble. WGHB, Clearwater, Florida (265.3m-1130ke), 8:30-10 p. m., Frank Delemater, contralto; Max Hartlette,

planist.

WGY. Schenetaty, N. Y. (379.5m-790ke), 5:30 p. m.,
Hotel Van Curler orchestra; 6:30, studio program;
8-8:30, studio program.

WIR, Portiac, Mieh. (516.9m-580ke), 7 p. m., Jean
Goldkette's Petite symphony orchestra; 7:15, Casper
Lingeman entertainners; 7:45, Goodwill Joakland;
9, Paige and Jewett Sixes; 11:30, Merry Old Chief.

WOOD, Grand Rapids, Mich. (241.8m-1240ke), 9-10
p. m., classical concert; 10-11, special Monday night
program; 11-12 midnight, Woodpile.

WRYA, Richmond, Va. (256.3m-1/170ka), 8:45 p. m.

program; 11-12 midnight, Woodpile.

WRVA, Richmond, Va. (256.3m-1170ko), 8:45 p. m., special program, soloists, violin, plano selections, quartet, chorus; 9. Virginia folk lore; 9:15, musicale; 10:30, orchestra; 11:30, Carry Me Back to Old Virgininy.

WSAI. Cincinnati, Ohio (325.9m-920ke), 8-10 p. m. WEAF; 10, musical program, Greenland's orchestra. WEAF; 10, musical program, greeniand's orenesira.

WTAM, Cleveland, 0,hio (389,4m-770ke), 6 p. m., Holenden hotel orchestra; 8, Willard symphony; 9, studio program; 10, Willard symphony.

WWJ, Defroit, Mieh. (352,7m-856ke), 6 p. m., dinner concert; 7, studio program; 8, WEAF; 9, News orchestra.

Central Standard Time Stations KFAB, Lincoln, Nebr. (340.7m-880kc), 5:30-6:30 p. m., dinner program; 8:30-10:30, Buick Master Six or-chestra.

KFKX, Hastings, Nebr. (288.8m-1040ke), 9-11 p. m., musicale, W. M. Dutton and Sons company.

KMOX, St. Louis, Mo. (280.2m-1070ke), 6:30 p. m., Mrs. Jacque Landree, organist; 8, Dixle Four quartet, orchestra, light opera selections; 9, Alice Maslin, planist; 10, Music Lovers' hour, orchestra, classical selections; 11, Rendezvous club.

KOIL, Council Bluffs, Iowa (277.6m-1080ke), 6:03 p. m., Ray Rice, banjoist; Ivan Collen, planist; Eric Thornton, tenor; 6:30, Merry-Makers; S, Grace Hansen, soprano; Germozone quartet; Zelpha Giles, Harley Case, S, Ray Winn and his Paramount orchestra; Barnyard Twins, Walt and Ray; 11, Al Reese and his Broadway orchestra.

KPRC, Houston, Tex. (296.9m-1010ko), 7:30 p. m., Mrs. Thomas Hughes Hardy, contraito; 7:45, Blue Melody Boys; 8:30, Max E. Shippee, Radio tenor; 9, Rozelle Winder, reed artist; 9:15, Houston Fireman's band.

KSD, St. Louis, Mo. (545.1m-550ke), 8 p. m., WEAF.
KTHS, Hot Springs National Park, Ark. (374.8m-800ke),
9:10 p. m., Lawson Reld, organist; 9:30-10, New
Arlington hotel orchestra; Como Hetel Roof Garden orchestra; vocal solos, Mrs. Charles Caldwell; New Arlington hotel orchestra.

KUOA, Fayetteville, Ark. (299.8m-1000ke), 8 p. m., musical program.

musical program.

WBAP, Fort Worth, Texas (475.9m-630kc), 7:30-8:30
p. m., Northern Texas Traction company; 9:30-11, Hawalian numbers, Wagner Hawalian trlo; 11-12 midnight, Star-Telegram harmonica and ukulele contest.

WDAF, Kansas City, Mo. (365.6m-820kc), 6-7 p. m.,
Trlanon ensemble; 8-9, Ivanhoe band; 9-10, StarRadio orchestra; 11:45-1 a. m., Ted Weems' Victor
Recording orchestra; Ted Meyn, organist; Earl Coleman's orchestra.

man's orchestra.

WFAA, Dallas, Texas (475.9m-630ke), 6:30-7:30 p. m.,
Ford's Texas Trumpeters; 8:30-9:30, Sears-Rocbuck
Agricultural Foundation program.

WHB, Kansas City, Mo. (365.5m-820ke), 7-8 p. m.,
musical program, Sweeney Radio orchestra.

WOAI, San Antonio, Texas (394.5m-760ke), 8:30 p. m., Sunshine Laundry orchestra. WOAW, Omaha, Nebr. (526m-570kc), 6:20 p. m., Frank Peterson, tenor; Helen Higgins, planist; 6:50, Ran-dall's Royal Fontenelle orchestra; 9, classical.

wSM, Nashville, Tenn. (282.8m-1666kb), 7 p. m., Andrew Jackson hotel trlo; 8:15, piano recital; 10, Vito Pellettieri and his orchestra. WSMB, New Orleans, La. (319m-940kc), 8:30 p. m., Dixola, Novelty orchestra; Strand theater concert or-chestra; St. Charles theater orchestra.

WSUI, Iowa City, Iowa (483.6m-620kc), 8 p. m., School of Music. Mountain Standard Time Stations

KOA, Denver, Colo. (322.4m-930kc), 6:30 p. m., Brown Palace string orchestra; 8, Flag Day exercises, Denver Lodge No. 17, Elks.

Pacific Standard Time Stations FI. Los Angeles, Calif. (467m-642ke), 7-8 p. m., Owen Fallon and his Califorians; 8-8, popular program; 9-10, program, Walter M. Murphy Motors company, also broadcast by KPO; 10-11, program arranged by Melklejohn Brothers.

FOA, Seattle, Wash. (454.3m studio program Goodrich Silvertown Cord orchestra.

orchestra.

KFWB, Hollywood, Calif. (252m-1190kc), 6:30-7:30
p. m., Pontiac Six dinner hour; 7:40-8:10, program,
pr. Ralph Mitchell and Associated Dentilsts; 8:109:10, program, Corduroy Tire Stores, inc.; 9:10-10,
program, Eureka Vacuum Cleaner company; 10:10-11,
Wayner Brothers Frolic

Warner Brothers frolic. KGW, Pertland, Ore. (491.5m-610kc), 6-7 p. m., dinner concert; 8-9, vaudeville entertainment; 9:15-12 midnight, Cole McElroy's dance orchestra.

Mign., Cole Michigas dance orchestra.

KNX, Hollywood, Calif. (336.9m.890ko), 7-7:80 p. m.,

Mutual Motors mirth centest; 7:30-8, program,

Overell's Furniture company; 8-9, L. W. Stockwell

company program; 9-10, Stephens Motors minstrel
show; 10-11, Goodrich Silvertown Cord dance orchestra;

11-12, Cocoanut Grove dance orchestra.

KWSC, Pullman, Wash. (348.6m-860kc), 8-9:30 p. m., Aloba Harmonizers; Horace Trimble; Ola Bain, James Lemley, Will DeNeff; songs, L. A. Kirtland.

Atlantic Eastern Central Mountain Pacific

Wednesday

Atlantic Eastern Central Mountain Pacific 7 p. m. 6 5 4 3 WCX, WREO, WWJ.

Thursday

Atlantic Eastern Central Mountain Pacific 7 p.m. 6 5 4 5 8 WBZ, WCX, WIP, WREO, WWI. 4 8 KGO, KSD, WEAF, WEAR, WGBS, WHAD, WJR, WMAQ, WOAW, WOK, WWI. 9 8 7 6 WCX, WEAR, WEEI, WGR, WGY, WHAR, WHT, WLS, WLW, WMBB, WOAW, WQJ, WTAG, WTIC. 10 9 8 7 6 WTIC. 9 8 8 7 6
KHJ, KLDS, WBAP, WCAE, WCAU, WCBD, WCCO, WEAF, WEEI, WGR, WHAR, WHAS, WIAR, WIAS, WIAY, WSAI, WSB, WTAG, WOC, WORD, WRC, WSAI, WSB, WTAG, WSAI, WSB, WTAG, WSAI, WSB, WTAG, WSAI, WSB, WTAG, WSAI,

Atlantic Eastern Central Mountain Pacific 7 p. m. 6 KGO, WCX, WMCA, WREO, WWJ. 8 7 KGO, WCX, WMCA, WREO, WWJ. 8 7 KGO. WEBJ, WGY, WHAD. WJR, WMAQ, WOAW, WOK, WOB, WTIC. 9 8 KYW, WAHG, WAMD, WEZ, WCAU, WCX, WEBJ, WEEI, WHT, WLS, WQJ, WWJ. 10 9 8 KFOA, KGO, KHJ, KSD, KYW, WBAP, WBZ, WCAU, WDAF, WEEI, WHAD, WJAR, WJAR,

church; 3:30-5 p. m., afternoon popular service; 7-9:30, evening song service.
WTAM, Cleveland, Ohio (389.4m-770kc), 11 a. m., Baptist church; 3 p. m., WTAM concert orchestra; 7, Loew's theater orchestra; 8, twilight hour.
WWJ, Detroit, Mich. (352.7m-850kc), 11 a. m., St.
Paul's Episcopal eathedral; 2 p. m., News orchostra; 4, organ recital; 6:20, WEAF; 8:15, operatic stars.

Central Standard Time Stations KFAB, Lincoln, Nobr. (340.7m-880kc), 4-5 p. m., vesper services; 9-11, Sunday evening musicale.

KLDS, Independence, Mo. (440.9m-680ke), 11 a. m., Stone church service; 3 p. m., Watson Memorial M. E. church; 6:30, Radio vesper service, Walnut Park quartet; 9:15, studio service.

quartet; 9:15, studio service.

KMOX, St. Louis, Mo. (280.2m-1070ke), 8 p. m., The Principla, KFQA; 9, popular entertainment, Skouras Brothers' Sunday Night club.

KOIL, Council Bluffs, lowa (277.6m-1080ke), 11 a. m., First Congregational church; 7:30 p. m., Paramount program; 8, Elks' quartet; 11, Original Collegians.

KPRC, Houston, Tex. (296.9m-1010ke), 10:45 a. m., First Methodist church; 7:30 p. m., chimes, Edith Brown; 8, St. Paul Methodist church; 9:30, Toy Houston; 11, Texan theater pipe organ concert.

KSD. St. Louis. Mo. (545.1m-550ke), 5:15 p. m.

KSD, St. Louis, Mo. (545.1m-550ke), 5:15 p. m., WEAF. KTHS, Hot Springs National Park, Ark. (374.8m-800ko). 11 a. m.. St. Luke's Episcopal church; 9:10-10, classic

a. m., St. Luke's Episcopal ur; Clyde Foley, lyrle tenor. nour; Liyde Foley, lyrle tenor.

KVOO, Bristow, Okla. (374.8m-800kc), 12:30-7 p. m., pipe organ; Rev. Leeper and his twenty-piece string band; Laughton Family; Oklahoma Cowboy band; Cushing Military band; 7:30-9, worship hour.

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

WBAP, Fort Worth, Texas (475.9m-630kc), 11 a. m., First Presbyterlan church; 5-6 p. m., Sacred Harp singers; 9:30-11, musicale. WDAF, Kansas City, Mo. (365.6m-820ke), 3-4 p. m. program; 4-4:45, vespers.

and his uke and others; 10-11, Packard Six dance or KrwB, Hollywood, Calif. (252m-1190ke). 9-11 p. m., Warner Brothers Sunday night movie froilc. KGW, Pertland, Ore. (491.5m-610kc), 10:45-12 noon, First Congregational church; 7:30-9 p. m., services, First Presbyterian church; 9-10, Chevrolet symphony orchestra. orchestra. (NX, Hollywood, Calif. (336.9m-890kc), 7-8 p. m., Carll Ellnor's concert orchestra from Circle theater; 8-9, First Presbyterian Church of Hollywood; 9-10:30, program, Beverly Hills Nurserles.

Monday, June 14

Headliners Today

9 р. m.			5	4
WBBR	(272.6m-11)	loke). Syriai	n music.	-
8:20	7:20	6:20	5:20	4:20
WOAW	(526m-570l	c), Helen I	Tiggins, pt.	anist.
8:30	7:30	6:30	5:30	4:30
WFAA	(475.9m-68	Oke), Ford's	Texas Tr	mpeters
9	8	7	6	5 .
WHAR	(275m-1090	kc), Flag	lav prograr	n .
9:30	8:30	7:30	6:30	5:30
WLWL	(288.3m-10	40kc), Schie	kerling cor	nort
10	9		7 001	6
KMOX	(280, 2m-10)	70kc), The	Wanderer	
10:30	9:30	8:30	7:30	6:30
KPRC	(296.9m-101	Oke), Max	E Shinnee	tenor
11:10	10:10	9:10	8.10	7:10
KTHS	(374.8m-800	kc), Organ	favorites	7.10
1 a. m.	12 m	11	101	9
KGW (491 5m-6101	c), Vandev	מו מווו	9
KMOX	(280 2m-10)	Okc), Rende	aronic alub	
WBAP	(475.9m-68)	(kc), Harmo	nice and u	Iculala aon
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Atlantic

STEWART-WARNER IS AIDING SAFETY FIRST

PLAYLETS AND TALKS ARE SUPPLIED TO STATIONS

Purpose Is to Prevent Automobile Accidents to Motorists and Pedestrians -Marcus A. Dow Is Head

CHICAGO.—An "Oral Safety Chain" is being forged that will extend around the United States. Its links are words which will be welded directly and through the air. Its purpose is to aid in the prevention of automobile accidents to motorists and pedestrians.

This chain is the conception of Marcus. Dow, past president of the National Safety council, and director of the Stewart-Warner Safety council.

Warner Safety council.

Under the comprehensive plan just completed, safety playlets and safety talks will be broadcast by stations scattered throughout the country. Already the following stations have agreed to cooperate with Mr. Dow: WAMD, Minneapolis; WSBF, St. Louis; WMC, Memphis; WHAD, Milwaukee; WRVA, Richmond, Va.; WHB, Kansas City, Mo.; KHJ, Los Angeles, and a station in Wilkes-Barre, Pa. They have been signed up by Stewart-Warner representatives in the cities where Warner representatives in the cities where the stations are located.

Give Playlets and Talks

Mr. Dow himself has been booked to give a series of safety talks in Louisville, Memphis, Worcester, Mass.; Reading, Pa.; Omaha, Salt Lake City, Oakland, Calif; Los Angeles, and other cities. These talks are under the auspices of the local safety ouncils or the sefety emphities of level councils or the safety committee of local associations or chambers of commerce.

In addition, the safety playlets or talks will be broadcast over Station WBBM, Chicago, the studio of which is located in the corporation's offices. The playlets are worked out from Mr. Dow's ideas by the studio staff of WBBM. Copies of the play-lets are then immediately forwarded to the other stations in the chain where they are released for broadcasting on Thursday

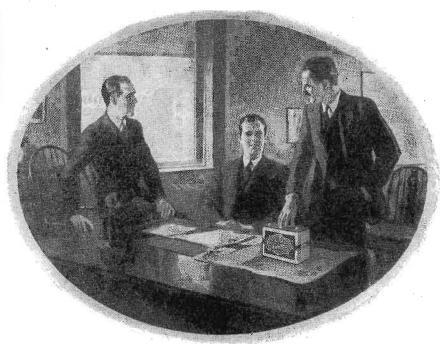
It is Mr. Dow's plan to make as many

BLINDNESS DOESN'T BLOCK HIS SUCCESS



YORK.—Arthur sidered America's best blind pianist, has entertained WEAF's audience on many occasions. In addition to being on many occasions. In addition to being a pianist and despite his handicap, Mr. Stone is a master of the piccolo and an orchestra leader of exceptional ability. He enjoys the distinction of being among the first to introduce orchestras in vaude-ville. Several years ago Stone's orchestra was considered the best of its kind.

in the United States are advised to write



"I've just had a lesson in radio economy, and, believe me, it's illuminating"

"I WENT into my radio dealer's this noon for a couple of Eveready 'B' Batteries and said, 'Tom, give me a pair of Eveready 45-volt "B" Batteries, No. 772's.'

"'How many tubes in your set, Jim?' he asked.

"'Five,' I answered.

"'Then what you want is a pair of Eveready Layerbilt No. 486's.'

"'Why?' I asked.

"Because the Eveready 772's are meant for sets having one to three tubes. With average use of the set, and used with a "C" battery*, they should last a year or longer. But on a five-tube set, with average use and with a "C" battery, they will only last about four months. Anyone with a four or five tube set should buy a pair of Eveready Layerbilts No. 486. Used with a "C" battery they should last eight months or longer.'

"'Yes, but the 772's cost only \$3.75 each,' I said, 'and the Layerbilt \$5.50. There's some difference.'

"'Well, figure it out for yourself,' said Tom. 'Two sets of 772's should last you about eight months, and will cost you \$15.00. One set of Eveready Layerbilts should last about eight months, and will cost you only \$11.00."

The simple rules for this satisfaction and economy are:

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

On 1 to 3 tubes—Use Eveready No. 772.

On 4 or more tubes—Use the Heavy Duty "B" Batteries, either No. 770, or the even longer-lived Eveready Layerbilt No. 486.

On all but single tube sets— Use a "C" battery.

When following these rules, the No. 772, on 1 to 3 tube sets, will last for a year or more; and the Heavy Duties, on sets of 4 or more tubes, for eight months or longer.

We have prepared for your individual use a new booklet, "Choosing and Using the Right Radio Batteries," which we will be glad to send you upon request. This booklet also tells about the proper battery equipment for use with the new power tubes.

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

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

WEAF-New York
WJAR-Providence
WEST-Boston
WTAG-Worcester
WFI-Philadelphia
WGR-Buffalo
WCAE-Pittsburgh
KSD-St. Louis
WSAI-Cincinnati
WTAM-Cleveland
WWJ_Detroit
WWN_Chicago
WOC-Davenport
WCC0 { Minneapolis
St. Paul





O Don't take any chances. Comply with National Board of Fire Underwriter's code which calls for installation of a lightning arrester with all outdoor antennas.

JEWELL ELECTRICAL INSTRUMENT CO.

1650 Walnut St., Chicago

"26 Years Making Good Instruments"

DIRECTING MOVIE AT SEA REAL PROBLEM

THEN PARAMOUNT'S TECH NICIANS FOUND RADIO

Pirate Battle of "Old Ironsides" Filmed Under Direction of Special Broadcasting Station

LOS ANGELES .- Radio has again come to the rescue and fans of the silversheet will be able to see scenes on the screen that would have been impossible to film without the help of Radio.

Several months ago when the Famous Players-Lasky company conceived the idea of another epic photoplay picturing the conquest of the old frigate "Old Ironsides" against the pirates of Tripoli, which holds such a romantic place in our national history, it was realized that for the filming of the big sea battle most of the boats engaged in the fray would be out of range of the human voice. Direction by thought-out plan, supplemented by wig-wags, as well as field amplifiers soon proved to be practically worthless.

Broadcast Station Is Solution

It was decided that some means of utilizing Radio would be the solution, and the technical staff of Paramount's west coast organization was set to work, the result of which was the building of a 110meter broadcasting station of low power and twenty-six receivers fixed to tune but

to one wave length.

The receivers were installed on the various vessels in the directing of the picture and it was only necessary that Director James Cruze talk into a microphone in an ordinary tone of voice in order to command the movement of twenty-six ships and more than 2,000 actors aboard them.

Effort Believed First of Kind

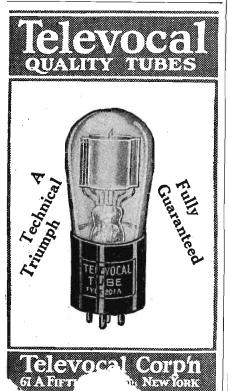
It is thought this is the first time a motion picture has actually been directed by Radio. The movie companies have long-used field amplifiers, or public address systems as they are better known, to control large mob scenes but the field amplifier with its necessary connecting cables was useless on the high seas where the various ships at times were separated by miles and it was necessary to make a practical application of the broadcast station do the work.

The call letters of the station used in the filming of "Old Ironsides" are KFP. The sea scenes were all taken near Catalina Island off the southern California

WDAF Adds New Studio
KANSAS CITY, Mo.—One more studio
has been added to the string from which
entertainment is supplied for the listeners of WDAF, the broadcasting station of the Kansas City Star. It is the one installed by the Ivanhoe Masonic Lodge in the Ivanhoe temple. It will be used for a series of Radio concerts by the Ivanhoe hard and glee club. hoe band and glee club.

Isbell Town Crier at KNX

HOLLYWOOD.—Harold Isbell, for the past year staff announcer of KYW and conducted the Insomnia club broadcasts from that station for many months, has once more felt the urge of California and has returned to Los Angeles where he is taking over the job as Town Crier of the Night Watch for Station KNX.



CANADA TURNS DEAF EAR TO COMPOSERS

ONTREAL .- Although confirmation is not available, rumors are strongly gaining ground to the effect that Canadian legislature will flatly refuse to give further hearings to Societies of Authors and Composers with a view of amending the convergent act bill to enable the goods. copyright act bill to enable the societies to collect fees from broadcasters, theaters, churches, etc. This is the result of combined efforts on the part of the Canadian Association of Broad-casters, the various Radio listening clubs, the theater and moving picture organizations and church bodies.

COOLIDGE BROADCASTS WILLIAMSBURG SPEECH

WRVA Handles Sesquicentennial of Virginia Convention

RICHMOND, Va.—The celebration of the sesquicentennial anniversary of the passage by the Virginia convention of 1776 of a resolution instructing its delegation in congress to declare the United Colonies free and independent from Great Britain, took place at Williamsburg, Va., May 15, with President Coolidge making the address, which was broadcast by WRVA, here.

The bell of Old Bruton church rang as

it did 150 years ago, when it announced to Colonial Williamsburg that the Virginia convention had taken the first defi-nite steps towards the independence of the United Colonies.

Radio Franks Now Become Movie Actors on Phonofilm

NEW YORK .- The Radio Franks, leadfavorites among broadcasting artists, made their metropolitan debut as motion picture actors recently in a De Forest Phonofilm at the Rivoli theater, here. The Phonofilm of the Radio Franks, one of the most recent produced at the De Forest studios shows the popular singers broadcasting.

The voices of the two Franks, perfectly synchronized with the movements of their lips, are reproduced in this Phonofilm in a most faithful manner as the picture is screened. The illusion created is that of the pictures actually singing.

Izaak Walton Worshippers Begin Fishing for WAMD

MINNEAPOLIS.—WAMD, the Radisson notel station, here, is now broadcasting every Monday and Friday, authentic fish-ing reports from the fishing regions in Minnesota and Wisconsin. The reports Minnesota and Wisconsin. The reare given at 7:05 p.m. Central time.

The reports contain information as to the abundance of fish, the best method of catching them in the different parts of the state and the kinds of fish to be caught.



Photogravures of Your Favorite Artists GALLERY OF RADIO STARS

SUITABLE FOR FRAMING OR PLACING IN YOUR ALBUM

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

no cost.

Radio fans will be able now, by this very special offer, to have pictures of their favorite artists and announcers before them when they listen in.

All that is necessary to secure photogravures from the Gallery of Radio Stars is to send the coupon published each week in Radio Digest, accompanied by ten cents to cover the cost of mailing and postage. Where a series of three photogravures is desired, it will only be necessary to send twenty-five cents and three consecutively numbered coupons clipped from Radio Digest. Remittance must accompany the coupon. Cash at your risk. Add 5 cents to personal checks for exchange.

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



Select Your Favorites from the Gallery of Radio Stars

- 1 Wendell Hall, king of ukulele ditties
- 2 Graham McNamee, 1925 Gold
- Cup announcer
- 3 Jack Little, popular wandering balladist 4 Billy B. Van, the Sunshine Man 5 Coon-Sanders' "Nighthawks" at
- 6 George Hay, 1924 Gold Cup an-nouncer
- 7 Harmony Girls, Edith Carpenter, Grace Ingram
- 8 Ford and Glenn, Lullaby Boys
- 9 "Roxy" Rothafel of WEAF chain fame 10 The Hired Hand, famous "Sub-
- stitute Announcer" of WBAP 12 Bob Emery, Big Brother of
- 13 "Bill" W. G. Hay, ex-KFKX, now of WLIB
- 14 Happiness Boys, jovial singers of WEAF
- 15 Lambdin Kay, "Little Colonel" of WSB
- 16 Leo Fitzpatrick, "Merry Old Chief," WJR
- 17 Henry Field, 1925 Gold Cup runner-up
- 18 Al Carney, organ favorite at
- 20 Vincent Lopez, No. 1 Pennsylvania orchestra
- 21 E. L. Tyson, pleasing voice at WWJ

- 23 Art Gillham, "The Whispering Pianist"
- 25 Harry Ehrhart, "Dream Daddy" of WLIT
- 26 Correll and Gosden of "Kinky Kids Parade" fame, at WEBH and other stations.
- $27\,\mathrm{Norman}$ Brokenshire, popular at WRC, $\mathrm{WJ}Z$
- 29 Jane Novak, Blues Singer of Twin Cities, WCCO
- 30 Jean Sargent, the original, now at WHT $\,$
- 31 Ralph Emerson, popular organist at WLS
- 32 Edna Adams, of KPRC
- 33 Pat Barnes, vaudeville announcer at WHT
- 38 Walter Wilson, "Uncle Bob" of
- 40 Ray-O-Vac Twins, known coun-
- try-wide
- 41 Art Linick, KYW's Mrs. Schlagenhauer
- 42 Fred Hamm of WTAS, now WLIB, fame
- 43 Meyer Davis' Le Paradis or-chestra of WRC
- 46 D. R. P. Coats, 1925 Silver Cup
- 47 Gene Rouse, WOAW's popular
- announcer
- 49 Iris Ruth Pavey, KOA's invisible stage beauty
- 51 Ipana Troubadours, on the WEAF Chain.

Have the Pictures of These Stars

Send Coupon Now

Your radio set gives you these voices.

These pictures add very much to your complete entertainment.

ACT TODAY

COUPON NO. 21

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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RADIO INVENTION IS **DEADLIEST WEAPON**

MAY DESTROY CITIES AND FLEETS MILES AWAY

British Government Buys Air Torpedo from Young New Zealander;
Apparatus from Ground

LONDON, Eng.—An invention that will add indescribable terrors to the air warfare of the future has just been pur-chased by the British government from Captain A. J. Roberts, a young New Zealand inventor.

Captain Robert's invention is a secret method of Radio control, proof against interference. With it he has produced a weapon with which entire cities can be torpedoed and air fleets defeated without one man risking his life in the air.

A man on the ground will be able to torpedo a city 80 to 100 miles away, or fight a raiding air fleet single-handed.

Looks Like a Miniature Plane

experiments have conclusively proved that no other apparatus except that controlled by Capt. Roberts can have any influence on the torpedo in the air.

The invention takes the shape of a min-

lature airplane built on the usual lines. Once in the air it can be sent in any direction from the ground and can be used exactly like the torpedo fired from warships. During the official tests Captain Roberts demonstrated the torpedo on the ground, using a control apparatus of only one-half the power of the Radio appara-

one-nail the power of the Hadio apparatus with which experts endeavored in vain to jam or influence the torpedo.

The new torpedo is capable of dealing destruction within a radius of 100 miles. Its cost is comparatively low, and it can be loaded in perfect sofaty should it misbe landed in perfect safety should it mis-fire in the air.

London Voice Reaches Mexico with 15 Watts

Birmingham Man Claims No Antenna Is Used

LONDON.—Derek Shannon, of Birmingham, England, has invented a new Radiotelephony system which dispenses with the use of aerial and earth connections, it is reported.

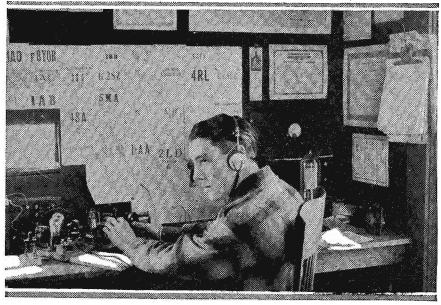
Recently conversation was successfully maintained by his system between a ship in the English channel and a private house in Guernsey, one of the channel islands.

Mr. Shannon has succeeded, according to the announcement, in speaking to Mexico City, Mexico. To accomplish this feat the inventor states that the input power to the transmitter was only fifteen watts, as compared with 200,000 watts, the power used by the Rugby phone station when communicating in tests with New York recently.

Radio-Paris on Market

PARIS, France.—Rumors are current ere that broadcasting station "Radiohere that broadcasting station "Radio-Paris" is in the market, and that an offer by the present owners to sell for 200,000 francs has been made to two different interests.

LOCATES LOST BROTHER IN AFRICA



To Crockett Ellis, above, an amateur Radio operator with a homemade short wave transmitting and receiving set, located at Memphis, Tenn., Mrs. Lydia Nelson, of San Francisco, Calif., owes credit for getting into communication with a brother who had been missing for 25 years, and who was located finally in South Africa.

By Aubrey Betts

O CROCKETT ELLIS, an amateur wireless operator with a homemade short-wave transmitting and receiving set, Mrs. Lydia Nelson, of San Francisco, Calif., owes credit for getting into communication with her brother Sigfred Yenson, who had been missing for 25 years, and who has finally been located in South Africa.

Ellis, who lives at 976 Oakview street, Memphis, Tenn., was listening in at his homemade set the other day when he heard a message to the effect that the sender was operating in Capetown, South Africa, and that Sigfred Yenson was present.

The message also requested any listener in to relay the message on to Yenson's sister in San Francisco. A thrill of elation shot through young Ellis as he com-prehended the significance of the message.

Detectives Search in Vain

Nerves taut, he pressed the head phones tightly against his ears, so that not a word would he miss. And when he had received the entire message, he leaped from his chair to the telephone and soon a telegram was speeding over the wires— a telegram for Mrs. Lydia Nelson, of San Francisco, Calif., and containing information which her heart had hungered for over a long period of years.
Yenson disappeared 25 years ago. When

five years had passed and Mrs. Nelson did not hear from her brother she became somewhat uneasy about him. High-priced detectives were employed by her, and expeditions were sent out whenever she could find a seeming trace of him, but all to no avail.

Woman Queries by Radio

Still the years sped, but slowly for the grieving sister. Radio began to come into prominence, and Mrs. Nelson appealed to broadcasters, and they did all that they could—they broadcast her message for news of Sigfred Yenson.

One night a man in far-off Capetown

South Africa, heard the appeal. He knew Yenson. He got busy with his transmit-ting set, and the message which he sent

flashing through the ether was:
"Yenson is found. Notify sister, Lydia
Nelson, of San Francisco, Calif."

And that was the message that young Ellis, in Memphis, Tenn., picked up with

Operator Elated but Modest

Ellis is very modest about accomplishing what he did in this matter.

"I merely happened to be the fortunate one to hear the appeal," he said. "Anyone

else would have done the same thing."
Ellis has one of the best homemade sta-He has been ions in the United States. communication with Brazil, Argentina Chile, Mexico, Belgium and Hawaii Other foreign countries or far-off places which he had been in communication with are: Canada, New Zealand, Australia, Porto Rico and many others—twenty-four in all, outside of the United States.

Sister Is Proud

Ellis is 20 years old, and has been in-erested in Radio for about three years. He has a sister who is attending the University of Tennessee, at Knoxville, and with whom he keeps in communication via Radio. And she is quite proud of her brother and his little homemade station, and their being the connecting link, as it were, that brought a brother and sister together again after a quarter of a cen-tury, and where private detectives, hundreds of telegrams, scores of cables and several expeditions had failed.

Pup Is Thrilled by Announcer's Voice

Young Boston Bull Creates Rumpus When He Hears Master Talking Through Radio Receiver

BERRIEN SPRINGS, Mich. — Modern collections of animal stories would be quite incomplete without a Radio animal story, so Trix, young Boston bull, belong-ing to John E. Fetzer, chief engineer and announcer at WEMC, "The Radio Lighthouse," located here, would like to add his

Trix lives back home in Lafayette, Indiana, and every time John goes home, his faithful terrier registers fits of joy in his efforts to extend a hearty welcome.

But the folks at home always make it a point to tune in WEMC, especially when Mr. Fetzer announces. Although Trix is a Radio fan and member of the I Won't Bloop Club, yet the announcement, "This is WEMC, the Radio Lighthouse, at Berrien Springs, Michigan," recently aroused the dog from his sound twilight sleep on the narlor rug the parlor rug.

In Which No John Is Found

In an instant he was up, and the wag of his tail and the twinkle in his eye indicated that there is more truth than poetry to the slogan: "His Master's Voice." First he thought he would try the front door, then the back door, but nobody was there. Then pell mell into the parlor he went again—and upstairs—but no "maser" could he find.

Again, "The selection you just heard from WEMC was—," and through the house again Trix tore in frantic search for his master whom he simply knew must be there. As the strains of orchestra music died away, Trix, tired and discouraged, found his way back to his restful corner disappointed, but we hope a Radio wiser

"Sam 'n' Henry" Are Sought For Phonograph Recording

CHICAGO.—"Sam 'n' Henry," WGN's famous comic strip characters, who make their appearance each night at 10 o'clock, Central time, in one of their humorous adventures, are being eagerly sought by the representatives of several phonograph companies in an effort to put their delicious dialogue into permanent form. Sam 'n' Henry, however, have managed to elude all of the Radio fans who are seeking to learn their true identity.

Practically every listener within range of the powerful WGN transmitter is acquainted with the whimsical and care-free Sam, and sagacious Henry. Many of their sparkling expressions are being heard more and more frequently in public places. Sam's "ain't that somethin." Henry's "Don't argue wid de gent'man," and his expressive "Oh, oh." that greets each faux pas on Sam's part, are among the most popular. the most popular.

Paris

For Your Garden

Some Bargains Ready Now

- BIG PLANTS—CHRYSANTHEMUMS, CARNATIONS, SALVIAS, SNAP-DRAGONS, PETUNIAS, VERBENAS, PARLOR IVY, LOBELIAS, DOUBLE STOCKS, ICE PINKS, HELIOTROPES, etc., regularly any 12 for \$1.00; Special, any 15 for \$1.00 or any 100 assorted for \$5.00. Safe arrival warranted.
- OLD FASHIONED FAVORITES—DELPHINIUMS, FOX GLOVES, C. BELLS, LILY OF VALLEY, DOUBLE HOLLYHOCKS, HEPATICAS, and all the old-time garden BORDER FAVORITES, were any 12, Now Special, any 15 for \$1.00 or 100 for \$5.00. Order any you want—we
- 3-BIG GERANIUMS, all colors, 12 for \$1.50; BIG CANNAS, all colors, 12 for \$1.50.
- 4-FANCY DAHLIAS-12 for \$1.50; GOLD MEDAL GLADIOLI, 100 for
- -SPLENDID 3 year old H. T. ROSES such as COLUMBIA, OPHELIA and 40 others-12 for \$6.00; 100 for \$45.00 6—L. I. VEGETABLE PLANTS—100 for \$1.50; 1,000 for \$10, assorted. Cabbage, Lettuce, Egg, Tomato, Celery, etc.

Above a few Bargains. Order them now and also send for our full list, 10% extra free plants for mention of this paper with your order and check. PROMPT SHIPMENT-MOSTLY SAME DAY ORDER RECEIVED.

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"BIG RABBIT"

(Continued from page 8)

branches far out, half roofing the cleared

The sawdust covered ground had been packed by the tramp of thousands of feet. Evidently it was an island, slighty higher than the swamp, for all along the sides water showed between the trees. Gigantic live oaks, cypress and between them huge magnolias, now in full bloom, towered. The trees seemed rooted in the water itself, or

the swamp slime.

The spreading limbs of the oaks formed a roof, open in the center as if a section had been thrown back—and through this stars shone. Moss hung like filmy drapery from the limbs. Giant pendants of fragrant jasmine trailed downward through the interstices of foliage. Along the sides of the weird forest nave at intervals the pink of the Judas trees and the white, feathery bloom of the wild plum added the color touches to the decorations

Strange and weirdly beautiful as the scene was, it was forgotten at sight of the congregation gathered within it. Almost a thousand negroes, half wild men and women from the turpentine camps, the lumber mills, and the fisheries were con-

HERE were sullen, beastial human animals from the lumber camps, graduates of the convict labor system of slavery, mingling with the river negroes; their rivals in strength, their superiors in intelligence. Hundreds of them were deformed by years of lifting, hauling and sawing, and from the abuse of brutal overseers.

The women, brazen, screaming, chatter ing, circulated through the throng; wilder, freer and more terrible in their utter abondonment of the shackles of semi-civilization than their males.

Almost every man bore a huge pine torch. The flaring lights and the re-sinous smoke added to the weirdness of the scene, such as none but an insane Dante could have pictured. A low, growling undertone filled the air, above which pierced shrill screams and savage, snarling voices. At intervals the wild screeching of women, rising in anger or in more terrible mirth, broke the monotone.

Danforth and I, bewildered at first, were becoming able to think clearly and dis-tinguish individual scenes. As our eyes pierced through the red glow of pine knot flames and the fog of resinous smoke, we discerned at the opposite end of the natural woodland cathedral, a crude, stage-like structure. It was open at the side facing the clearing, and occupied almost half the width of the swampisland.

It was built of rough lumber and was set on piling which raised it amost five feet above the level of the ground. Set on the ground at either side of the stage were large kettles, discarded by some turpentine still, and now filled with turpentine chips which blazed furiously, sending up two columns of fire and smoke, rising straight in the still air with such volume of heat as to set the moss hanging from limbs fifty feet above them swaying. A large chair, rudely carved, occupied the exact center of the stage and at the right of it was a smaller chair which was elevated on a small dias. We could not distinguish objects clearly from our sta-tion near the rear of the assemblage be-

tion near the rear of the assemblage because of the heaviness of the smoke and the glare of flares and torches.

"Come on," Danforth said. "We're safe. Lets get closer. The show is about to commence, I think, and we want seats closer to the stage. We may want to take part in the performance." take part in the performance.'



I started as if he had struck me. wild scene, the constant motion of the people, the surf beat of sound from human throats, the moving panorama of hideous faces, had hypnotized me. For several minutes I had forgotten the object of our presence and Danforth's voice close to my ear aroused me from the spell.

NOME on then," I said quickly. The spell was gone. A shiver of repulsion came with the realization of what it meant to the girl to behold such a scene. I drove a hand nervously into the side pocket of my coat and made certain the automatic was safe, then led the way

We pushed steadily forward through the throng, avoiding the denser groups, and moved toward the stage. No one appeared to give us even the slightest at-tention and, reassured and emboldened we went forward until we were near front, gazing upon the stage itself, as our amazement increased.

Wide stairs led from the floor of the tage down to the ground and at each stage down to the ground and at each end of these stairs narrow platforms ex-tended four or five feet out from the stage itself and at the same level. These plat-forms were made of hewn railroad ties. Two gigantic negroes, naked to the waist, stood one at each end of the stairs, each holding a huge torch. Lying upon the railroad ties, with heads toward the crowd, were two immense alligators, their eyes blinking. Heavy chains had been welded around their necks and the chains were fastened to the ties by railroad spikes driven deep into the wood.

Suspended over the throne chair in the center of the stage was a thing which made me start back shuddering with hor-ror and disguest. A bundle of writhing, twisting rattle snakes, bound together by wires looped around their necks, hung by a chain from the cross beam of the canopy. The snakes hung but a few feet canopy. The snakes hung but a few feet above the chair itself and the constant whirr of their rattles could be heard over the din of the crowd.

"Don't go any further," Danforth said in low tones. "Don't cross that line drawn there. Evidently the hol polloi isn't permitted to go nearer the stage than that."

"What is it all about?" I asked. can't make out what the object of all this

'Don't know. It's something big. The negroes are intensely excited. Wait here. I'm going to find out."

ANFORTH sauntered away carelessly and presently I saw him walk into the edge of one of the largest groups, where two men appeared to be the center of some fresh excitement. remembered with sudden terror that, dis-guised as we were, it was probable neither of us would be able to recognize the other n that throng, even if we should chance to meet.

Fear that we would be unable to locate each other in case of sudden need dis-turbed me. Separating had been a mistake. It was too late to rectify it, and take. It was too late to rectify it, and I determined to remain near where I was standing for a time at least, hoping he would return. The consciousness that I was accomplishing nothing, learning nothing, doing nothing to aid the girl we sought caused me to writhe inwardly.

Suddenly there was a seemingly spontaneous movement in the crowd, a murmur of expectancy. My ears had become accustomed to the din and were able to distinguish words and sentences from the jumble of noises. In that babel of voices I heard; "Big Rabbit," "White Gal," "Big

(Continued on next page)

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1219 So. Wabash Ave., Dept. 76 Chicago, Ill. Makers of the Famous World Radio "A" Storage Battery Prices 6-voit, \$10.4 mp. \$11.25; \$10.4 mp. \$15.25; \$10.4 mp. \$14.00. All equipped with Solid Rubber Case.

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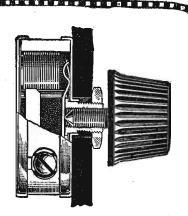
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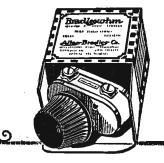
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Allen-Bradley Co., 290 Greenfield Ave., Milwaukee, Wis.

Please send me your latest literature on the Bradleyohm and other Allen-Bradley radio devices.

Name....

"BIG RABBIT"

(Continued from page 28)

Rabbit done cotch 'em in de trap." surge of bitter remembrance of my ridicule of Borton's 'superstition' came to me. A savage fear, a wild desire for action, seized upon me. The idea of waiting for Danforth was abandoned. I could not remain standing a futile spectator, while the girl I loved was in danger.

Danforth could shift for himself. I felt certain that, somewhere on the other side of that dead line, probably at the rear of the stage, Miss Tonneson was captive with her uncle, and that the giant negro, Trimble, was their jailer.

I determined to get behind the scenes and spoil the drama about to be staged. To attempt to cross the open space meant exposure and destruction, so I determined to make the effort to reach the rear of the rude structure by a flanking movement. No guard had been placed and it was evident the swarm of savages were being held in check by awe and superstition rather than by force.

SKIRTING along the fringe of the crowd I reached the side of the clearing without attracting any attention, stopped for an instant in the deep shadows of a live oak to see whether anyone was watching me, and hurried out of close range of the flaring lights of the open.

I found myself on a hard, beaten path, perhaps the extension of the one upon which we had entered the open glade, running close to the edge of the swamp water. Almost straight ahead, perhaps fifty yards back of the stage-like structure, was a single flaring light, and near it could be discerned by its flames, some sort of a

Toward that I moved cautiously, holding my automatic ready for action, and keeping as closely as possible in the darkness of the tree shadows. I had almost reached the spot where the flare was burnbedy huddled at the base of a tree. Startled, I sprang back, and an exclamation burst from my lips.

"Who dar?" a frightened voice asked in a tense whisper. "Tain't no niggah—I heard vo', voice."

a tense whisper. heerd yo' voice."

"Don't move, or I'll shoot!" I hissed, raising my gun with a feeling of despera-

raising my gun with a feeling of desperation that my voice had betrayed me, and, perhaps ruined all our plans.

"Doan shoot, mistah, doan shoot!" It was the voice of a woman, hysterically sobbing from fright and nervousness. I groped with my hand and touched her. Her body shook and quivered with sobs.

"Who are you?" I whispered. "I'm desperate. Better answer quickly and don't scream."

Sobs and unintelligible words formed

Sobs and unintelligible words formed her reply. I seized the huddled figure and shook her. She was slight and her face was buried in her hands, as her body shivered with dry, gulping sobs. I dragged the hands from her face, half lifted her to her feet and at that instant the faint glare from the pine torch imbedded in the soft

ground, illuminated her features.
"Tillie! Good Lord, is it you?"

T WAS Tillie, Roberta Tonneson's colored maid. As I spoke her name her entire attitude changed. She sprang at me, alert and tigerish, grasped my arm so hard the nails bit into the flesh and in

a hoarse, frightened whisper asked:
"Who is yo'? How cum yo' hyah?"
Dey'll kill you."

"Where is your mistress, I've come to save her," I said, shaking her again, fearing a return of her hysterics.

"Dey'll kill you! De Big Rabbit'll kill ou," she whispered in terrified tones.

"Dey'll kill you: De Big Raddit il kill you," she whispered in terrified tones.
"Where is she?" I repeated, shaking her again and again. "I must find her."
"Oh mistah, take us away, take us away," she implored. "Miss Bob she locked up in de cabin wif de majah, back

She pointed back past the pine torch in

the ground.
"Big Rabbit, he gwine hurt dem," she went on, clinging to me with the strength of terror. "He say he gwine humiliate dem. He gwine show dem who is de massah."

She sobbed again, and suddenly flared with anger.

"He tol' me he ain't gwine hurt dem," she said. "He done tol' me he gwine make me queen, dat's why ah help him. Now he say he all gwine whip de majah, and make Miss Bob bow down to him."

She was angry now; inspired with the fury of the woman scorned.

"Who is this Big Rabbit? Where is he?" I urged rapidly. "If you want to save your mistress help me."

"King Solomon, de Big Rabbit," she said cryntically. "Dat niggab Trimble he

cryptically. "Dat niggah, Trimble, he King Solomon. He say he was King ober in Afriky and he gwine be King hyah. He gwine whip de majah, and he gwine make Miss Bob tell de people he am de King."

Her love of her mistress, her indigna-tion and jealousy were conquering her su-perstitious dread of the negro, and her

I was almost as excited and upset as she, but steadied myself with an effort and drew her deeper into the shadows of

ILLIE," I said as calmly as pos-sible, "you must help us. There are three of us here to save the sible, "you must help us. There are three of us here to save the major and Miss Tonneson and you. You must show me where they are. If possible you must tell your mistress that help has arrived and that she must keep her courage. Trimble must not suspect we are here."

"He slap my face and say I ain't fit to

be queen," she said sullenly.

"He say I ain't good enough to 'sociate
wid him. I'll git even."

Her hysterics were gone. The knowledge that white men were present nerved her, and her desire to revenge herself upon Trimble for the manner in which he had treated her, steeled her. She led me rapidly back of the stage structure, which cut off most of the light from the clear-ing, and into a smaller clearing, in the

center of which stood a small log cabin.
Telling her to hide close under a clump
of underbrush I scouted, crawling forward until my hand touched the logs, and crept around two sides of the cabin striving to peer through chinks, from which faint light emerged.

Voices sounded inside, and, crouching low and pressing my ear to the logs, I strove to hear what was going on inside. It was impossible to distinguish words, but there were three voices, one deep and

but there were three voices, one deep and scornful, one high-pitched as in anger. Suddenly I thrilled and started, as I recognized the clear, ringing laugh of Roberta Tonneson. The utter contempt of that ringing, scornful laugh told the story. There was a quick exclamation of anger which sounded like a curse, followed by the story. lowed by the voice of Trimble raised in threats and imprecations.

I crawled around toward the front of the cabin, with some wild idea of trying to burst through the door, but before I could reach it the door suddenly was flung open, Trimble emerged, and, jerking the door shut, turned to lock it.

He never before was closer to death than at that instant. I crouched lower the revolver clutched in one hand, ready to spring, the desire to kill making me see red. Before Trimble turned, strong hands grasped me from behind, a hand went over my mouth and a voice, which I ecognized instantly as Borton's spoke tensely into my ear.

He held me quiet until Trimble, spring-

ing down the steps, hurried away.

"Don't make a fool of yourself. Do you want us all killed?" Borton whispered.

"Can't we pry the lock, get them out and make a run for the boat?" I asked

"VE been working at it for half an hour," he said. "It is fastened with a log chain and a padlock. We can't even t it. I've been laying for a chance to knock Trimble out with a club, while the door is open—but can't reach him while he is at the top of the steps."
"What'll we do?" I asked, helplessly.

"Go back out into the crowd, keep near the front and to the side nearest the path. If the worst comes to the worst shoot Trimble, and try to get the girl to the

He crawled away into the darkness while I crept back to where Tillie was crouched under the bushes waiting. She was calm and revengeful. The knowledge of the present of white men had restored her courage and I knew we could rely upon her.

"Can you get near Miss Bob?" I whispered.

pered.

"Trimble gwine let me be Mammy Bammy," she replied.

"Mammy Bammy?" I repeated, puzzled.

"What's that?"

"Dat mean I'll be on de stage wif him," she said. "I'll be dar."

"Stay as close to your mistress as possible," I said. "If anything happens help her to this path and move toward the river. We'll be there to help you." ver. We'll be there to help you."
Rapidly as possible I told her of the

boat, and of our plans.
"I'll be dar. I'll show him," she repeated threateningly.

completely restored to calmness she arose and walked bodly toward the back of the stage, to seek Trimble. I crept back into the path, dodged along it and mingled again with the blacks. I felt a sudden chilling fear that the perspiration would wash the black from my feee and would wash the black from my face and expose me. I found a point of vantage at the position designated by Borton.

The blacks, now showing signs of rising excitement, were pressing closer and closer to the deadline and all attention was centering upon the stage. If my color had run no one observed it—as I maneuvered into a position from which I could most rapidly extricate myself from

the pressing throng.

Three white men against 8,000 black fanatics!

That is the situation with which the next installment of this enthralling story of "Big Rabbit"

The situation with the next installment of this bathantal will begin. Will Roberta step out on this barba-rous stage and face that mob? What will happen to her? Will it be a battle of bullets or wits? See Radio Digest Mid-June number.

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The Reader's View

(Continued from page 15)

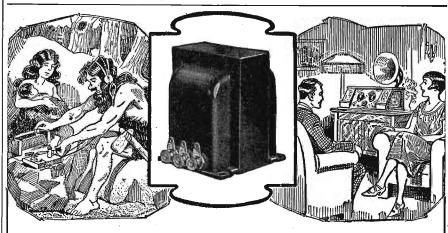
rest if they receive it. Some people have gone so far as to discard their sets entirely. I know of one instance where a beautiful 7-tube super was relegated to the attic because of this. I believe this to be representative of thousands of working people, to whom Radio would be more beneficial than to any other class. A good 7 to 9 p. m. program would be highly appreciated by them, I believe.—R.S.R., Louisville, Kentucky.

Hoggish Stations Main Trouble

The responsibility for the vitally important WJAZ decision rests neither with Judge Wilkerson nor with the "offending" Radio station. Sheer hoggishness on the part of station owners who insist on broadcasting during the entire twenty-four hours may be blamed for the present chaotic and unsettled conditions.

Despite all the noise being made con-cerning silent night violations and "blooping," the paramount issue in Chicago may be summed up as follows: Shall the twenty odd Radio stations now operating in the Chicago district be permitted to clutter up the atmosphere without any regard for each other's, or the listening public's, rights or desires in the matter?

Newspaper advices are to the effect that a score of applications for broadcasting licenses in the Chicago district are now on file in Washington. If any considerable percentage of the applicants are successful, Chicago set owners may get ready to throw their sets in the lake.—J. D. C., Chicago, Ill.



Modernize Your Radio Set!

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All Frequency Amplifier

From the majestic roll of the grand organ to the high flute like tones of the coloratura, every note-every harmonic-is faithfully reproduced in the Autoformer equipped receiver. No note is too low—and none too high to receive full amplification.

It encompasses the advantages of transformer, resistance, and impedance coupled amplification with the disadvantages of none.

Write for descriptive bulletins.

THORDARSON ELECTRIC MANUFACTURING CO. WORLDS OLDEST AND LARGEST EXCLUSIVE TRANSFORMER MAKERS Chicago, U.S.A.



Fred W. Stein.

Improved Results With Tube or Crystal Tryentirely at my risk the wonderful improvement this inexpensive little device will make in the reception of your set. Improves results on both crystal and tube sets that use any kind of aerial except loop antenna. Clears up reception wonderfully, increases volume, and partially absorbs

static. MONEY-BACK GUARANTEE. Mfrs. Famous 1,500-Mi. Steinite 1-Tube set \$6. Long distance Crystal Set, \$6. Steinite Crystals, 50c—3 for \$1. Write for complete illustrated literature on all Steinite Radio

Fut this interference eliminator on your set and note amazing improvement. No tools needed—install in a moments time. Connect with set and follow simple instructions. Money back promptly if not delighted. \$1.00 postpaid anywhere in U.S. when eash with order. References: Exchange National Bank, Atchis



STEINITE LABORATORIES, 261 Radio Bldg., ATCHISON, KANSAS

CLASSIFIED ADVERTISEMENTS

Tow about that new set you want to buy? What are you going to do with the old one? A Radio Digest classified advertisement will sell it for you.

Rates are twenty cents a word for each insertion. Five per cent discount for four insertions, 10 per cent discount for six insertions, 20 per cent discount for twelve insertions, 20 per cent discount for twelve four insertions (each issue for 1 year). Name and address are counted. Two initials count one word. Cash must accompany order. Minimum of ten words. Objectionable and misleading advertisements not accepted.

Copy reaching us not later than June 14 will be in time for our July 1 issue.

BLUE PRINTS

NO MORE BATTERIES—Build "A" and "B" eliminator—operates any set on AC or DC, no hum, satisfaction guaranteed. Complete plans, \$2. Engineers' Service Company, 25 Church St., New York.

Just Out-Actual size template for Radio Digest's latest set—Super-Torodyne, 25c. Instructions appearing in April 10-17-24 and May 1 issues.

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.

DOGS

Beautiful registered bull pups, \$15. Bulldogs, 501 Rockwood, Dallas, Texas.

FOR SALE

Here is your opportunity to obtain a real good buy on ¼ HP, 110-volt, 60-cycle, single phase, AC, enclosed dust proof new electric grinders and buffers, 6-inch emery wheel on one side and 6-inch buffer on the other, with cord and plug, at a low price of \$15.75 each. Special price on brand new 1-KW or 1000-Watt, 32-volt, 1150 speed, late design, Westinghouse light and power generators with pulley, ready to run at \$48.00 each. Largest dealers in new and used motors and generators in the Northwest. Send us your inquiries. General Distributing Co., Security Storage Bldg., Duluth, Minn.

MISCELLANEOUS

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

Radio Fans—A year's subscription to Radio Digest is only three dollars. Send your order now. Fill out coupon on page 28.

PATENT ATTORNEYS

PATENT ATTORNEYS

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

RADIO

600 Mile Radio \$2.95. 200,000 satisfied customers already. Don't require any batteries nor tubes. Write today. Picture and particulars Free. Crystal Radio Company, Wichita, Kansas.

For Sale—2 Willard B's, 48 volts each, \$15.00 each. Good as new. 6-volt, 110-ampere Eveready A battery, \$10.00. S. C. Lehman, 109 Galena Ave., Dixon, III.

For Sale—I want to dispose of all the surplus parts around my laboratory. Now is the time to start that new set you want to build. Send 2c stamp for my list. Box 752, care of Radio Digest, 510 No. Dearborn St. Chicago. born St., Chicago.

Closing out all of my Radio stock. 200-ohm potentiometer with sliver knob and dial, 10 cents; Howard rheostats 6½, 6¾ or 25-ohm, 75 cents; Filkostats, 50 cents; set eight lettered binding posts, 25 cents; variable condensers with dial and vernier, 13-plate, \$1; 23-plate, \$1.50; 4-inch black dlals, 3—50 cents; 3-inch, 3—35 cents. Bronsteins Pharmacy, 4600 Lincoln Ave., Chicago.

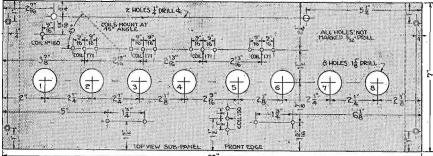
For Sale—Limited number of \$3 Electric Soldering Irons for \$1.39. E. H. Ives, 2625 Hollywood Ave., Chicago.

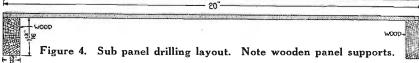
REAL ESTATE

Sell your property quickly for cash, no atter where located, particulars free.

1 Estate Salesman, 509 Brownell, Lin-Nebraska.

S-O-S RECEIVER PANEL LAYOUTS





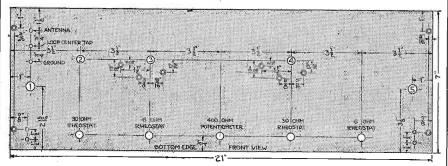


Figure 5. Layout for drilling front panel. Careful measurements are required.

sistance together with turn ratio which left little to be desired. In addition, its selection by a great many manufacturers of receivers also carried much weight, while the fact that it was possible to secure them in a mechanical design which permits sub panel mounting made their selection final. The transformers thus selected were the No. R180 Thordarson Super Amplifiers of 3½ to 1 ratio.

Figure 1 is a front view of the portable case in which the receiver is mounted. It is shown with the cover removed ready for operation. Figure 2 represents a bottom view of the sub panel assembly indicating the method of mounting the

A "RADEX" Tuning Chart A KADEA 1 UIIII Shows by dial numbers, wave length to which set is tuned. Tells where to placedials for any station. Identifies programs received without announcement.

Adapted to any set

Send 25c Coin or Stamps

RADEX, BOX 143-S, CLEVELAND, O.

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

THE PEP PLUG

Tremendous increase in volume. Greater distance. Prolongs the life of your batteries and tubes. Made to fit your set. Installed in a few moments:

DOES NOT ELIMINATE STATIC

Not a fooler, but a practical device for your Radiola Superhetrodyne \Box or Radiola 25. \Box

\$100 INTRODUCTORY PRICE

Send a dollar, your name and address with this ad, properly ehecked, and we guarantee you have bought something that you really want, or your money back.

Adolfsen & Chandler 306 Everett Building AKRON, OHIO

S-O-S PORTABLE SUPER (Continued from page 10)

Despessed both primary and secondary resistance teacher with the secondary resistance teacher with the secondary resistance teacher with the secondary resistance. may be made as clear as possible. The constructor will note a series of numbers upon this panel which are placed upon the photograph for your greater convenience when the wiring instructions are given.

Figure 3 is another view of the subpanel as taken from the top of the re-

Salesmon Wanted IN EVERY COUNTY All or Spare Time Transparent handle Knives and Razors. One side shows name and address, the other any individual photograph, or any kind of design preferred. Elades finest steel, handles clear as glass and nbzeakable. Position worth \$100 to \$200 ments. We train you. Novelty Cutlery Co., 524 Bar St., Canton. Ohio

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, either alternating or direct. Cannot injure battery. Tested and approved by Radio News Laboratories. Complete directions enclosed. Anyone can operate. No expensive "extras" to buy. Why pay \$10.00 to \$15.00 for a charger when you can got this splendid GUARANTEED R. B. Charger by malling us two dollars (bills, money order, check or stamps) plus ten cents coin to pay malling costs. Charger will id. If you are not satisfied, return within we will refund your money. Order at

R. B. SPECIALTY COMPANY Dept. A-19, 308 East Third Street, Cincinnati, Ohio

The Radio Song

Over 300 old-time songs are contained in The GOLDEN BOOK and GRAY BOOK of Favorite Songs, the books the big broadcasters use. They contain many of the songs used in WLIB's "Million Sing" and most of the songs that were prize-winning "Old-Time Favorites." Think of it, over 300 songs complete with words and music for only 40 cents, post-paid! Get a set by writing your name and address across this ad and mailing it in with 40 cents.

(Five Sets for \$1.50)

Hall & McCreary Company

428 S. Wabash Ave.,

ceiver and showing clearly the general arrangement of the parts used both upon the sub panel and operating panel. These with the exception of the audio frequency transformers, are likewise numbered for your added assistance. The audio frequency transformers were omitted from this view so that the constructor might secure an accurate view of the sockets as they protrude up and through the sub panel.

In figure 4, the sub panel drilling lay-In figure 4, the sub panel drilling layout, all dimensions are given for the correct assembly of the parts listed. Just below this layout is shown the two wooden supports for the sub panel which are located at its ends. Their heighth is 1 13/16 inches and length, 7 inches. Figure 5 is likewise a detail plan layout for the front panel. It is important that each location be followed with care and exactness. Full size blue prints covering exactness. Full size blue prints covering both sub and front panel are available for those desiring them at 25 cents each or 50 cents for the pair.

It has been the author's experience that constructors attempt to make changes in the apparatus specified, not realizing that the total success of the receiver depends largely upon the correct correlation of the parts used. One therefore should use only the parts listed and appreciate that space factors and efficiency have been carefully considered. These are not flexible enough to permit substitution if one would secure a pleasing success in the

(In the next issue the circuit used and the entire wiring instructions will be given. This concluding article will also embrace hints on operation.—Editor's

Following the instructions of the Columbus (Ohio) Radio club, bids have been requested and received from two consulting engineers for conducting a Radio inter-ference survey of the city. It is estimated that the expense will total \$1,200.

THE GROUND HOG DOWNER AND DISTANCE OF THE PROPERTY OF THE PROP

Marvelous newly-invented ground gives 100% improved reception. Doubles power and distance. Stops leakage. Reduces static. Stops jangling even in mid-summer. Results never before equalled, users say. Satisfaction Guaranteed.

Proven absolutely essential to clear, powerful distance reception. Draws and holds moisture indefinitely. Highly sensitive to radio energy. SEND NO MONEY—To introduce, we offer to those who act at onco, regular \$5.00 size for only \$2.00. Sond name today and pay \$2.00 plus 17c postage on delivery. Or send only \$2.00 with order and save postage. FREE—Full description of Ground Hog and big money making agent's offer on request—write today.

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123 W. 5th St., Kansas City, Mo.



Storage $Radio^{\circ}A$ **Battery**

Most amazing battery value ever offered! A genuine World 6-Volt Radio "A" Battery with 25 ampere capacity for only \$5.001 Just the thing for Trickle Charger. Famous World Qual-ity assured. Equipped with

00.1 C.O.D.

Solid Rubber Case an assurance against acid and leakage. Order Now. ship same day—by express C. O. D. subject to your expation on arrival. Extra Offer: 5% discount for cash in

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Dept. 148, STORAGE BATTERIES 1219S. WabashAve., Chicago



45 volts, \$5.25; 90 volts, \$10.00; 112½ volts, \$12.50; 135 volts, \$14.75; 157½ volts, \$16.80. Truly the biggest buy today. Easily charged on any current including 32-volt systems. Any special detector plate voltage had. Tested and approved by leading authorities such as Popular Radio laboratories. Over 3 years sold on a non-red tape 30-day trial offer with complete refund if not thoroughly satisfied. Further guaranteed 2 years. Knockdown kits at great savings. Complete "Hawley" "B" battery charger, \$2.75. Sampel cell, 35c. Order direct—send no money-simply pay the expressman cost on delivery. Or write for my free literature, testimonials and guarantee. Same Day shipments. B. Hawley Smith, 817 Washington Ave., Danbury, Conn.

Radiophone Broadcasting Stations

Corrected Every Issue-Part III

FIND MISTAKES AND YOU'LL GET DOLLAR

NE DOLLAR will be paid to the Radio fan reader of Radio Di-gest submitting the most errors in any one station's listing in the Directory of Radiophone Stations, which appears in six parts, serially continuously on the next to last page. Letters must reach Radio Digest's office not must reach Radio Digest's onice not later than one week from date of issue corrected. Readers are not limited to correcting one station, but such corrections must be verified by the stations themselves, and NOT by comparison to other so-called accurate Radio directories or lists. Verifications must accompany corrections. Turn in corrections for as many stations as you can find—if you can find errors! Use separate sheet of paper for each station submitted and place name and address on each sheet. In case of tie, duplicate awards will be made.

United States (Cont'd)

NOTE.—The third part of the schedule list appears below. The fourth part which consists of the remainder of the list will appear next issue.

of the list will appear next issue.

WDEL, Wilmington, Del. 265.3m-1130kc. 100 watts. Wilmington Elec. Spec. Co. Slogan, "The First Broadcasting Station of the First City of the First State." Tues, Thurs, 8-10 pm. Sun, 7:30-9 pm, service. Eastern daylight.

WDGY, Minneapolis, Minn. 263m-1140kc. 500 watts. Twin City Broadcasting station, Inc. Announcer, Dr. George Young. Mon, 6-8 pm. 9-11. Tues, 7-8 pm. Wed, 6-10 pm. Fri, 7-11 pm. Ccntral.

WDGD, Chattanooga, Tenn. 256.3m-1170kc. 500 watts. Chattanooga Radio Co., Inc. Announcer, John T, Carter. Slogan, "Wonderful Dynamo of Dixle." Mon, Wed, Fri, 6:30-8 pm, 8:15. Fri, 11 pm. Alternate Tues, 9-9:30 pm. Sun, 11 am, 4:30 pm, 9:15-10:15. Central. WDRC. New Haven. Conh. 267.7m-1120kc. 100 watts.

WDRC, New Haven, Conn. 267.7m-1120kc. 100 watts.
Doolittle Radio Corp. Mon, Wed, Fri, 6:45-7:15 pm,
news. Mon, 8-9:30 pm. Wed, 8-9 pm. Sun, 11 am.

ncws. Mon, 8-9:30 pm. Wed, 8-9 pm. Sun, 11 am. Eastern. WDWF, Providence, R. I. 440.9m-680kc. 500 watts. Dutee W. Filnt, Inc. Slogan, "Quality First." East-

Eastern.

WDWF, Providence, R. I. 440.9m-680kc. 500 watts.
Dute W. Filnt, Inc. Slogan, "Quality First." Eastern.

WDZ, Tuscola, Ill. 277.6m-1080kc. 100 watts. James L.

Bush. Daily ex Sun, 9:30 am. 10, 10:30, 11, 11:30,
12 m. 12:30 pm. 1. 1:15. Chicago Board of Trade
quotations. Central daylight.

WEAG. New York, N.Y. 491.5m-610ko. 5.000 watts.
A.T. & T. Co. Announcer, Graham McNamee. Slogan,
"The Voice to the Millions." Daily ex Sun, 6:45-8
am. 11-12 noon. 4-12 midnight. Sun, 3-5 pm. 6-9:45.
Eastern daylight.

WEAI, Ithaca, N. Y. 254.1m-1180kc. 500 watts. Cor
nell University. Irregular.

WEAM, North Plainfield, N. J. 260.7m-1150kc. 250
watts. Borough of North Plainfield. Announcer, H.

W. Blackford. Slogan, "America's Pioneer Municipal
Broadcasting Station." Fri. 8-12 pm, concert. talks.
Sun. 11-12 noon. Eastern daylight.

WEAN, Providence, R. I. 270.1m-1110kc. 500 watts.
The Shepard Stores. Announcer, Chester H. Miller.
Daily ex Sun, 12-1 pm, 4-5, music, reports, weather,
concert; 6:30-10:30. Sun, 10:45-11:30 am, 7:30-8:45
pm, church service. Eastern daylight.

WEAO, Columbus, Ohlo. 293.9m-1020kc. 500 watts.
Ohlo State University. Daily ex Sun, 9:45 am, 11-1
pm, markets, weather; talks to farmers, markets, music;
4, markets. Tues, 7 pm. Wed, 4:10 pm, program for
shut-ins; 8, music, lectures. Thurs, 8 pm, lectures,
music. Eastern.

WEAR, Cleveland, Ohlo. 389.4m-770kc. 750 watts. The
Goodyear Tire & Rubber Co. Daily ex Sun, 11:30
am, markets, weather. Eastern.

WEAU, Sloux City, Iowa. 275.1m-1090kc. 100 watts.
Davidson Bros. Co. Announcer, W. O. Ducommun.
Slogan, "Thè Heart of the Corn Beit." Daily ex
Sun, 9 am, 10, 11, 12 m, 1 pm, 5, markets, weather.
Tues, Fri, 8:30 pm. Sun, 7:30 pm, servico. Central.

WEBD, Anderson, Ind. 245.8m-1240kc. 100 watts. Telegram-Ross Elec. Co. Mon, Fri, 6:15-7 pm, music;
7:10-7:30. Wed; Fri, 10-11 pm, dance music. Sun
10:30 am. 12 noon, 3-4:15 pm. Central.

WEBD, Anderson, The. 5-6, twillight musicale; 7-9. Central
daylight.

WEBJ, New York, N. Y. 272.6m-1100kc. 500 watts.
Thi

Lakes." Dally ex Sun, 11:30-12 m, 3-4 pm. 5-5:30.
Dally ex Sun, Mon, 7-8 pm, 9-10, 11-12:30. Sat.
1-2 am. Sun, 5-6, twillight musicale; 7-9. Central daylight.
WEBJ, New York, N. Y. 272.6m-1100kc. 500 watts.
Third Avenue Rallway Co. Announcer, H. A. Bruno.
Tues, Fri, 7-9 pm. Wed, 8-10 pm. Eastern daylight.
WEBL, 225.4m-1330kc. 100 watts. Radio Corporation of America. (Portable.)
WEBQ, Harrisburg, Ili. 225.4m-1330kc. 10 watts. Tate Radio Co. Announcer, Joseph R. Tate. Slogan, "Blue Bird Station." Dally ex Sun, 7-15-7:30 pm, news, weather. Sun, 3-4 pm, 7-8. Central.
WEBR, Buffalo, N. Y. 243.8m-1230kc. 50 watts. H. H. Howell. Slogan, "We Extend Ruffalo's Regards."
Dally ex Sun, 7-45-8:30 pm, bedtime stories. Mon. Wed, Fri, 8:30-11:30 pm. Sat, 9-11 pm. Sun, 10:15 am, service; 12-3 pm, concert; 3-4; 7:15-9, service; 10-12, concert. Eastern daylight.
WEBW, Beloit, Wis. 268 meters. 500 watts. Beloit College. Announcer, Lee Boynton. Mon, 8-9 pm; Sun, 4:30 pm. Central.
WEBJ, Boston, Mass. 348.6 meters. 500 watts. Edison Elee. Illuminating Co. Announcer, Arthur F. Edes. Slogan: "The Friendly Volce." Daily ex Sun, 6:43 am., exercless; 7:45, watch. Mon, 4 pm, 5:30, 6:30-10:30, 10:30. Tues, 3 pm, 4, 6:30-10, 10. Wed, 4 pm, 6:30-10, 10. Thurs, 4 pm, 6:30-10, 10. Fri. 4 pm, 6:30-10, 10. Thurs, 4 pm, 6:30-10, 10. Fri. 4 pm, 6:30-10, 10. Thurs, 4 pm, 6:30-10, 10. Fri. 5:30, 7:20, 9:20. Eastern daylight.
WEHS, Evanston, Ill. 202.6m-1480kc. 10 watts. Robert E. Hughes.

9 piu, 7:20, 9:20, Eastern ua, 18:00. 7:20, 7:20, 9:20. Eastern ua, 18:00. 7:20, 7:20, 9:20. Eastern ua, 18:00. 7:20, 7:20, 9:20. Eastern ua, 18:00. 10 watts. Evanual Missionary College. Slogan, "The Radio Lighthouse." Mon, Wed, 8:15 pm. Fri, 9 pm. Sun, 11 am. 8:15 pm. Central.
WENR, Chicago, Ill. 265.3m-11390c. 1.000 watts. All-American Radio Corp. Announcer, Frank Westphal. Daily ex Sun, 7-7:30 am; 6-7 pm, 8-10. Daily ex Sun, Mon, Fri, 1-3 pm. Tues, Fri, 1-12 h. Fri. 1:30-3 pm. Wed, Fri, 12-2 am. Sun, 9:15-10:15 am. 2-3 pm, 3-4, 6-7, 9:30-12. Central daylight.

WFW. St. Louis, Mo. 247.8m-1210kc. 1,000 watts. St. Taliv ex Sun, 9 am. 10, 2, 5 pm.

WEW, St. Louis, Mo. 247.8m-1210kc. 1,000 watts. St. Louis University. Daily ex Sun, 9 am, 10, 2, 5 pm, reports. Tues, Thurs, 7 pm, lectures, music. Sun, 12 n, 7:15 pm. Central,

WFAA, Dallas, Tex. 475.9m-630kc. 500 watts. Dallas, News and Dallas Journal. Slogan, "Working for All Alike." Dally, 6.30-7:30 am, exercises; 8:30, 9:30, 10:30, 11:30, reports; 12:30, 1:30, 2:30, 8:30, 4:30, reports; news; 5:30, children's hour; 8:30-9:30, concert, weather (silent Wed.). Mon, Tues, Thurs, Fri, Sat, 11-12 pm, music. Sun, 6-7 pm, Bible class; 7:30, church service; 8:30-9:30, 11-12, music. Central.

WHAD, Milwaukce, Wis. 275.1m-1090kc. 500 watts. The Journal of Chronicle. Daily ex Sun, 4:45 pm, markets. Central.

WHAM, St. Cloud, Minn, 272.6m-1100kc. 10 watts. St. Cloud Daily Times. Slogan: "Granite City of the World." Announcer, Otto A. Rupp. Daily ex Sun, 4:45 pm, markets. Central.

WFAA, Lincoln, Nebr. 275.1m-1090kc. 500 watts. Univ. of Nebraska. Fri, 12 m. Central.

WFAV, Lincoln, Nebr. 275.1m-1090kc. 500 watts. Sun, 10:45 am; 7:30 pm, services; 4 pm, sacred music. Sun, 10:45 am; 7:30 pm, service; 8 pm, sacred music. Central.

WHAM, Rochester. N. V. 277.6m-1080kc. 100 watts. Star and Benson Radio Co. Announcer, Bly Kinght. Tril, Sun, 10:45 am; 7:30 pm, services; 4 pm, sacred music. Central.

WHAM, Rochester. N. V. 239.9m-1250kc. 500 watts. Univ. of Rochester. Rochester Time-Union, Democrat and Chronicle. Daily ex-Sun, 3:30-4 pm, 5-5:45. Tril, Pm, 10:45 am; 7:30 pm, services; 4 pm, sacred music. Central.

WHAM, Rochester. N. V. 239.9m-1250kc. 500 watts. Univ. of Rochester. Rochester Time-Union, Democrat and Chronicle. Daily ex-Sun, 3:30-4 pm, 5-5:45. Tril, Pm, Sun, 4:45 pm, 10-12. Central.

WHAM, Rochester. N. V. 239.9m-1250kc. 500 watts. Univ. of Rochester. N. V. 239.9m-1250kc. 500 watts. William H. Taylor Finance Corp. Announcer, Frank-Ill pm, Sun, 3:15. Pm, Sun, 2:30-4 pm, 5-5:45. Trill pm, Sun, 4:55. Pm, Sun, 6:45-7:30 am, 1-2 pm, 3-4:50. Pm, Sun, 4:15-5:30 pm, Wed, Fri, 6:30-7:30 am, 1-2 pm, 3-4:50. Pm, Sun, 6:45-7:30 am, 1-2 pm, 3-4:50

6:30-7:30 pm, vesper recital, sports. Tues, Sat, 11-12 pm, music. Sun, 6-7 pm, Bible class; 7:30, church service; 8:30-9:30, 11-12, music. Central.

WFAM, St. Cloud, Minn. 272.6m-1100kc. 10 watts. St. Cloud Daily Times. Slogan: "Granite City of the World." Announcer, Otto A. Rupp. Daily ex Sun, 4:45 pm, markets. Central.

WFAV, Lincoln, Nebr. 275.1m-1090kc. 500 watts. Univ. of Nebraska. Fri, 12 m. Central.

WFBC, Knoxville, Tenn. 249.9m-1200kc. 50 watts. First Baptist churcb. Announcer, St. John Reynolds. Sun, 10:45 am; 7:30 pm, services; 4 pm, sacred music. Central.

WFBE, Seymour, Ind. 225.4m-1330kc. 10 watts. Van de Walle Music and Radio company. Announcer, John Van de Walle.

WFBE, Altoona, Pa. 277.6m-1080kc. 100 watts. The Wm. F. Gable Co. Announcer, Roy F. Thompson. Slogan, "The Original Gateway to the West." Daily ex Sat, Sun, 11:45 am, music; 3:30 pm; 6:30, 8:30, 10:30. Tues, Thurs, Fri, 11:15 pm. Tues, 7:30 pm. Fri, Sat, 9:15 pm. Sun, 10:45 am; 4 pm, 6, 7:30, 9:15, 10:30, 11:15. Eastern.

WFBH, New York, N. Y. 272.6m-1100kc. 500 watts. Concourse Radio Corp. Announcer, Alvin E. Hauser, Sat, 2-8 pm. Mon, Sat, 11:30 pm. Sun, 5-8 pm. Eastern daylight.

WFBL, Collegeville, Minn. 236.1m-1270kc. 100 watts. St. John's university. Announcer, Ellary Doerfer. Slogan, "Tue the summer.

WFBL, Syracuse, N. Y. 252m-1190kc. 100 watts. Conodaga Hotel company. Announcer, Ernest E. Chappell. Daily 3-4 pm, 6-8. Tuesday, 9:30-10:30 pm. Thurs, 7:45-10 pm. Fri, 8:15-10 pm. Sat, 11-12:30 am. Sun, 3-4:30 pm. 5-8:30. Eastern.

WFBL, Syracuse, N. Y. 252m-1190kc. 100 watts. Merchants Heat and Light company. Announcer, Ernest E. Chappell. Daily 3-4 pm, 6-8. Tuesday, 9:30-10:30 pm. Thurs, 7:45-10 pm. Fri, 8:15-10 pm. Sat, 11-12:30 am. Sun, 3-4:30 pm. 5-8:30. Eastern.

WFBL, Syracuse, N. Y. 252m-1190kc. 100 watts. Fiftb Infantry, Maryland Natlonal Guard. Slogan, "Thurs of the Summer." Announcer, Ernest E. Chappell. Daily 3-4 pm, 6-8. Tuesday, 9:30-10:30 pm. Thurs, 7:45-10 pm. Fri, 8:15-10 pm. Sat, 11-12:30 am. Sun, 3-4:30 pm. 5-8:30

wrb2. Galesaug, fil. 234.1m-1180c. 20 watts. Knox college. Announcer, George B. Strain. Slogan, 'At Old Slwash.' Wed, 8-10 pm. Central.

WFDF, Flint, Mich. 234.2m-1280kc. 100 watts. Frank D. Fallain. Slogan, 'The Vehicle City.'' Mon, Wed, Frl, 8 pm. Wed, 9-10 pm. Eastern.

WF1. Philadelphia, Pa. 394.5m-760kc. 500 watts. Straw bridge & Clothler. Announcer, John Vandersloot. Dally ex Sun, 10:15 am, reports; 10:30, music; 1-1:50 pm, orchestra; 1:50, reports; 3-4:30, concert; 6:20, sports; 6:30-7, orchestra; Tues, Thurs, Sat, 8, concert. Sun, 10:30 am, 7:30, church services alternating; 9:15, alternate Sundays. Eastern daylight.

WFKB. Chicago, Ill. 217.3m-1380kc. 500 watts. Francis K. Bridgman. Announcer, Horace Kehm. Daily ex Sun, Mon, 7-10 pm. Central daylight.

WFRL. Dancaster, Pa. 247.8m-1210kc. 10 watts. Lancaster Elec. Supply & Construction Co. Announcer, Charles W. Feagley. Slogan: 'World's Gardens at Lancaster.' Tues, Thurs, 8 pm. Sat, 10:30-11:30 pm. Sun, 9-10 pm. Eastern.

WGAL, Lancaster, Struss, 8 pm. Sat, 10:30-11:30 pm. Sun, 9-10 pm. Eastern.

WGAM, Camden, N. J. 236.1m-1270kc. 500 watts. Galvin Radio Supply Co.

WGBB, Freeport. N. Y. 243.8m-1230kc. 10 watts. Harry H. Carman. Mon, Wed, Frt, 8-10:30 pm. Sun, 10:30 am, church. Eastern.

WGBC, Memphis, Tenn. 277.6m-1080kc. 10 watts. First Baptist church. Announcer, Harold Finke. Daily ex Sun, 7:30 pm. Central.

WGBI, Seranton, Pa. 239.9m-1250kc. 10 watts. Scranton Broadcasters. Inc.

Central.

WGBI, Scranton, Pa. 239.9m-1250kc. 10 watts. Scranton

Daily ex Sun, 7:15 am, 12:10 pm. Mon, Wed, Fri, 10:30 am. Tues, Fri, 12:30 pm, 7. Fri, 11-1 am. Central.

WGBI, Scranton, Pa. 239.9m-1250kc, 10 watts. Scranton Broadcasters, Inc.

WGBIS, Marshfield, Wis. 228.9m-1310kc, 10 watts. George S. Ives. Off the sir for the summer.

WGBS, New York, N. Y. 315.6m-950kc, 500 watts. Gimbel Brothers. Announcer, Floyd Neale. Daily ex Sun, 10-11 am; 1:30-4 pm. Tues, Thurs, Sat, 6 pm. Sun, 3-4 pm, 9:30. Eastern daylight.

WGBU, Fulford By-the-Sea, Fla. 277.6m-1080kc, 500 watts. Fulford By-the-Sea Chamber of Commerce. Announcer, Edward C. J. Sandback. Mon, Wed, Fri, 12-1 pm; 6:30-7:30; 10-1 am. Tues, Thurs, Sat, 12-1 pm; 6:30-7:30; 10-1 am. Sun, 9:30-11:30 pm. Eastern.

WGBX, Orono, Me. (234.2m-1230kc, 500 watts. University of Maine.

WGCP, New York, N. Y. 252m-1190kc, 500 watts. Grand Central Palace. Announcer, Alfred Hall. Slogan, "Four Leaf Clover Station." Daily ex Sun, 3-5:30 pm. Mon, 8:30-10:30 pm. Wed, Fri, 7-8:30 pm. Thurs, 10:30-12 mid. Sat, 8:30-11 pm. Sun, 3-5:30 pm. Eastern daylight.

WGES, Chicago, Ill. 249.9m-1200kc, 500 watts. Guyons Paradise Baliroom. Announcer. George Gubbins, Daily ex Sun, Mon, 5-7 pm, 8-9, 11-1 am. Sun, 10:15 am, 11-45. service; 5-7:40 pm, 11-1 am. Central daylight.

WGHP, Detroit, Mich. 270.1m-1110kc, 1,500 watts. The Chamber of Commerce. Announcer, Walter Tison. Mon, Wed, Fri, 8:30-10 pm. Eastern.

WGHP, Detroit, Mich. 270.1m-1110kc, 1,500 watts. George Harrison Phelps, Inc. Announcer, Harry C. Browne. Daily ex Sat, Sun, 6 pm. Eastern.

WGMU, Riehmond Hill, N. Y. 238.1m-1270kc, 100 watts. A. H. Grebe & Co., Inc. (Portable).

WGN, Chicago, Ill. 302.8m-990kc, 1000 watts. Chicago Tribune. Announcer, Elli Hay, Daily ex Sun, 9-9:45 am, news; 10-10:45; 11-11:30; 11:57-12:01 pm, time; 12:01-12:30, music; 3:25; 3:30-4:15, tea time music; 4:30-5. organ; 5:30-5:57, Skeezix; 5:57-6:01, time; 6:20-6:30, bonds; 6:30-7, music. Tues, Thurs, 12:30-12:40 am, farm talk. Tues, Wed, 3-3:25 pm. 1alks. Daily ex Sun, Sat, 12 n, stocks, markets; 12:45 pm. 12:30-12:3

WGST, Atlanta, Ga. 270.1m-1110kc. 500 watts. Georgia School of Technology. Announcer, J. H. Persons. Slogan, "The Southern Technical School with a Na-tional Reputation." Off the air for the summer.

tional Reputation." Off the air for the summer.

WGY, Schenectady, N. Y. 379.5m-790kc. 5.000 watts.

General Electric Company. Announcer, Kolin Hager.
Daily ex Sun, 11:55 am, time; 1:30 pm, stocks, marhets; 1:45, weather. Daily ex Sun, 1:40 pm, fruit,
vegetable reports; 5, stocks; 5:10, markets; 5:15, sports,
nows. Mon, Tues, Thurs, Fri, 1 pm, woman's hour.

Tues, Thurs, 1:30 pm, organ. Mon, Tues, Thurs,
5:30-6 pm, dinner program. Thurs, 10:30 pm, organ.

Fri, 7 pm; Wed, 6:30, storles. Fri, 6:30 pm, Sunday
school lesson; 9:30, late program. Mon, 7:15 pm,
agricultural talk. Wed, 6 pm, orchestra; 8:05, Rochester program. Sat, 8:30 pm, dance program, Sun, 9:30-

William J. Laylor and the control of Public Sorvice." Mon, Wed, Fri, 6:30-11 pm. Sua, 2:30-4 pm. Eastern.

WHAR, Atlantic, City, N. J. 275.1m-1090kc. 500 watts. Seaside Hotel. Announcer, E. Dennison. Dally ex Sun, 2 pm, 7:30, 8. Mon. Thurs, 11:30 pm. Sun, 10:45 am; 2:15 pm, 2:45, 7:50, 9. Eastern.

WHAS, Louisville, Ky. 399.8m-750kc. 500 watts. Courier-Journal and Louisville Times Co. Announcer, D. H. Ives. Daily ex Sun, 1-2 pm, 2:30-3:30, 4-5, 7:30-9. Sun, 9:57-10:45 am, 4:30-5:30 pm, church service. Mon night, silent. Central.

WHAZ, Troy, N. Y. 379.5m-790kc. 500 watts. Rensselaer Polytechnic Inst. Announcer, Rutherford Hayner. Slozan, "Transcontinental and International Broadcasting Station Located at the Oldest College of Science and Engineering in America." Club, R. P. I. students. Mon, 8:30-12 midnight, concert, educational talks, orchestra, features. Second Monday of month, 12-1:30 am. International test program. Eastern.

WHB, Kansas City, Mo. 365.6m-820kc. 500 watts. Sweeney Auto & Electric School. Announcer, John T. Schilling. Slogan, "Heart of America." Daily exsun, 8:25 am, 9:25, 9:30, 9:35, 10:25, 10:30, 10:35, 11:20, 11:30, 11:35, 11:56, 12 noon, market reports. Daily ex-Sun, 8:25 am, 9:25, 9:30, 9:35, 10:25, 10:30, 10:35, 11:20, 5m, 12:30, 12:5, 5m, 12:30, 12:5, 5m, 9:45-70, 9:45-70, 12:5, 5m, 12:30, 12:5, 5m, 9:45-70, 9:45-70, 12:5, 5m, 9:45-70, 9:45-70, 12:5, 5m, 9:45-70, 9:45-70, 12:5, 5m, 12:30, 12:5, 5m, 9:45-70, 9:45

Fought. Mon, Wed, 7-9 pm, Sat, 2-4 pm, 7-9. Central. WHBG, Harrisburg, Pa. 230.6m-1300kc. 20 watta John S. Skane. Tues, Thurs, 9-12 midnight. Fri 7:45-9:15 pm. Sat, 6-12 midnight. Sun, 9:15-11 pm.

7:45-9:15 pm. Sat, 6-12 midnight. Sun, 9:15-11 pm. Easterm.
WHBJ, Ft. Wayne, Ind. 234.2m-1280ka. 50 watts. Lauer Auto company.
WHBL, Chicago, Ill. 215.7m-1390kc. 50 watts. James H. Slusser. (Portable)
WHBM, Chicago, Ill. 215.7m-1390kc. 20 watts. C. L. Carrell. (Portable).
WHBM, St. Petersburg, Fla. 238m-1260kc. 10 watts. First Avenue Methodist church.
WHBP, Johnstown, Pa. 256.3m-1170kc. 100 watts. Johnstown Automobile Co. Announcer, J. C. Tully. Slogan: "The Voice of the Friendly City." Daily ex Sun, 12:30 pm. Sat, 10 pm. Sun, 2:30, pm. Eastern.

Johnstown Automobile Co. Announcer, J. C. Tully. Slogan: "The Voice of the Friendly City." Daily ex Sun, 12:30 pm. Sat, 10 pm. Sun, 2:30, pm. Eastern.

WHBQ, Memphis, Tenn. 232,4m-1290kc. 50 watts. Men's Fellowship class. St. John's M. E. church. Announcer, Dr. George L. Powers. Slogan, "We Have Best Quartet." Wed, 8-9 pm, music. Sun, 9:45-10:49 am, 11, 7:45 pm, services. Central.

WHBU, Anderson, Ind. 218.8m-1870kc. 10 watts. Bing's Clothing-Riviera Theater. Announcer, O. B. Robey. Slogan, "The Home of Chief Anderson." Dally ex Sun, 9-9:30 am, 12-12:30 pm. Wed, Fri, Sun, 7-9 pm. Central.

WHBW, Philadelphia, Pa. 215.7m-1390kc. 100 watts. D. R. Kienzle. Mon, Thurs, Sat, evenings. WHBY, West De Pere, Wis. 249.9m-1200kc. 50 watts. WhBY, West De Pere, Wis. 249.9m-1200kc. 50 watts. Wh. Hood Dunwoody Industrial Institute. Announcer, M. R. Bass. Mon, 8-9 pm. Wed, Fri, 9-10 pm. Central. WHEC, Rochester, N. Y. 258.5m-1160kc. 100 watts. Hickson Electric company, Inc. Announcer, Maurice Clark. Slogan, "With Hickson Elec. Co." Daily ex Sun, 5:30-6 pm, willight program; 6:30-7 orchestra. Eastern.

Hickson Electric company, Inc. Announcer, Maurice Clark, Slogan, "With Hickson Elec, Co." Dally ex Sun, 5:30-6 pm, twilight program; 6:30-7 orchestra. Eastern.

WHK, Cleveland, Ohlo. 272.6m-1100kc, 1,000 watts. Radio Air Service Corp., Winton Hotel. Slogan, "Cleveland, the Convention City." Dally ex Sun, 16:30-7:30 pm. Thurs, 7:30-9 pm. musicale. Sun, 10:30 am, service; 6:15-7:15, 7:25-8:30, Bible lecturo; 8:30-10, music. Eastern.

WHN, New York, N. Y. 360m-833kc. 500 watts. Loew's State Broadcasting Station. Announcer, N. T. Grandlund. Slogan, "The Voice of the Great White Way." Dally ex Sun, 12-1 pm, 2:15-3:15, 3:45-5:30, 6:30-12 mid. Sun, 3-6 pm, 9:30-12. Eastern daylight.

WHO, Des Moines, Ia. 526m-870kc. 5:000 watts. Bankers Life Co. Announcer, N. Dean Cole. Dally ex Sun, 9:45 am, 12 m, 2 pm, markets, weather. Mon, Tues, Thurs, Fri, 7:30-9 pm; 11-12. Wed, 6-12 mid. Sun, 11 am; 4-6 pm, 7:30-8:15, 11-12. Central. WHT, Chicago, Ill. 238m-1260kc. 399.8m-750kc. 5500 watts. Wrigley Bldg. Announcer, Patrick Henry Barnes. Dally ex Sun, Mon, (399.8), 11-2 pm, 6-7:30, 9:30-1 (238), 7:45-9:15 pm. Mon, (399.8), 11-2 pm, 6-7:30, 9:30-1 (238), 7:45-9:15 pm. Mon, (399.8), 11-2 pm, 6-7:30, 9:30-1 (238), 7:45-9:15 pm. Mon, (399.8), 11-2 pm, 6-7:30, 9:30-1 (238), 7:45-9:15 pm. Mon, (399.8), 11-2 pm, 6-7:30, 9:30-1 (238), 7:45-9:15 pm. Mon, (399.8), 11-2 pm, 6-7:30, 9:30-1 (238), 7:45-9:15 pm. Mon, (399.8), 11-2 pm, 6-7:30, 9:30-1 (238), 7:45-9:15 pm. Mon, (399.8), 11-2 pm, 6-7:30, 9:30-1 (238), 7:45-9:15 pm. Mon, (399.8), 11-2 pm, 6-7:30, 9:30-1 (238), 7:45-9:15 pm. Mon, (399.8), 11-2 pm, 6-7:30, 9:30-1 (238), 7:45-9:15 pm. Mon, (399.8), 11-2 pm, 6-7:30, 9:30-1 (238), 7:45-9:15 pm. Mon, (399.8), 11-2 pm, 6-7:30, 9:30-1 (238), 7:45-9:15 pm. Mon, (399.8), 11-2 pm, 6-7:30, 9:30-1 (238), 7:45-9:15 pm. Mon, (399.8), 11-2 pm, 6-7:30, 9:30-1 (238), 7:45-9:15 pm. Mon, (399.8), 11-2 pm, 6-7:30, 9:30-1 (238), 7:45-9:15 pm. Mon, (399.8), 11-2 pm, 6-7:30, 9:30-1 (238), 7:45-9:15 pm. Mon, (399.8), 11-2 pm, 6-7:30, 9:30-1 (238), 7:45-9:1

Home Elec. Co. Announcer, Harry H. Waugh. Mon, Fri, 8 pm. Sun, 10:30 am. Ceotral.

WIBA, Madison, Wis. 236.1m-1270kc. 100 watts. The Capital Times and Sudio Ballroom. Announcer, J. Harold Rupp. Slogan, "Four Lakes City." Mon. Wed, 8:45 pm, 10:30. Fri, 9-10:30 pm. Sat, 10:45-12 mid. Cuckoo club. Central.

WIBG, Elkins Park, Pa. 222.1m-1350kc. 50 watts. St. Paul's Protestant Epitscopal church. Announcer, Stuart C. Mahancy. One Monday a month Ogontz Forum speaks. Sun, 10:45 am, 3:45 pm. Eastern.

WIBH, New Bedford, Mass. 209.7m-1430ko. 30 watts. Ellie Radio Stores. Announcer, J. T. Morlarty. Slogan, "The Voice of New Bedford," Daily ex Sun, 12-1:30 pm. Sun, 1-3 pm. Eastern.

WIBI, Flushing, N. Y. 218.8m-1370kc. 50 watts. Frederick B. Zittell, Jr. WIBI, Chicago, Ill. 215-7m-1390kc. 10 watts. Billy Maine. (Portable).

WIBO, Chicago, Ill. 215.7m-1390kc. 10 watts. Billy Maine. (Portable).

WIBO, Chicago, Ill. 215.7m-1390kc. 10 watts. Nelson Brothers. Announcer, Wayne Myers. Daily ex Sun, 12-3 am. Wed, 10-12 midnight. Fri, 10-2 am. Sun, 12-3 am. Wed, 10-12 midnight. Fri, 10-2 am. Sun, 12-3 am. Wed, 10-12 midnight. Fri, 10-2 am. Sun, 10:15 am. service: 2-4 pm. concert; 6-8, 10-12. Central daylight.

WIBR, Weirton, W. V. 245.8m-1220kc. 50 watts. Tri-State Radio Co. Announcer, W. D. Johnston. Slogan, "The Town Where Everybody Works." Fri, 8:30-11 pm, Sat, 11-1 am. Sun, 2-3 pm. Eastern.

WiBX, Utica, N. Y. 205.4m-1460kc. 150 watts. Grid-Leak, Inc.
WiBZ, Montgomery, Ala. 230.6m-1300kc. 10 watts.
A. D. Trum.
WIL, St. Louis, Mo. 272.6m-1100kc. 250 watts. St. Louis
Star and Benson Radio Co. Announcer, Billy Knight.
Slogan, 'Watch It Lead.' Mon, 10-12 m. Tucs,
4-5 pm. Wed, 9-11 pm. Thurs, 4-5 pm, 8-10. Fri,
9-11 pm. Sat, 4-5 pm, 10-12. Central.
WIOD, Miami Beach, Fla. 247.8m-1210kc. 1000 watts.
Carl G. Fisher. Announcer, Jesse H. Jay. Slogan:
'Wonderful Isle of Dreams.'
WiP, Philadelphia, Pa. 508.2m-590kc. 500 watts. Gimbel Bros. Announcer, E. A. Davies. Slogan, 'Watch Its
Progress.'' Dally er Sun, 6:46-7:30 am, 1-2 pm, 3-4:30, 6-6:45, music; 7-7:30 pm. Tues, Thurs, Sat,
8-12 pm. concert. Sun, 10:45-12 noon, 4:15-5:30 pm,
7:45-9, 9:30-12. Eastern daylight.
WIAD, Waco, Texns., 352.7m-850kc. 500 watts. Bar-

WJAD, Waco, Texas. 352.7m-850kc. 500 watts. Barton's Dyanshine Station. Mon, Tues, Thurs, Fri, 8:30-10 pm. 1st and 3rd Wed, 8:30-9:30 pm. Central.

NIAG, Norfolk, Nebr. 270.1m-1110ke. 200 watts. Norfolk Dally News. Announcer, Karl Stefan. Slogan, "The World's Greatest Country Dally, and Home of Printer's Devil." Daily ex Sun, 12:15 pm; Sun, 3:30-6 pm, music. Central.

WIAK, Kokomo, Ind. 254.1m-1180ke. 50 watts. Clifford L. White. Kokomo Tribune. Slogan, "The Radio Parson." Dally ex Sun, 12 noon, news. Mon, 7:30 pm, music. Central. The North Mark. Central. The Radio Parson." Dally ex Sun, 12 noon, news. Mon, 7:30 pm, music. Central. The North Mark. Central. The Contral.

WIAR Cedar Stefan. The Stefan. The Stefan. The Outlet Co. Announcer, J. A. Reilly. Slogan, "The Southern Gateway of New England." Dally ex Sun, 1:05-2:19 pm, weather, reports, m. 18c. Mon, Wed. 7:30-10 pm. Wed. 30-11 pm. Thurs, 7:45-11 pm. Fri, 7:45-10:30 pm, 11-12. Sun, 7:20-10:15 pm. Eastern daylight.

WIAS, Pittsburgh, Pa. 275.1m-1090kc. 500 watts. Pittsburgh Radio Supply House. Pickering's Studio. Announcer, Bryan McDonald. Slogan, "World's Joillest Aerlal Station." Dally ex Sun, 7-8 pm, dinner concert; 8-11. Sun, 2 pm. Eastern daylight.

WIAX, Jacksonville, Fla. 363.6m-890kc. 1000 watts. City of Jacksonville.

WIAZ, Catego, Ill. 322.4m-930kc. 1,500 watts. City of Jacksonville. Wilay. Jacksonville, Pla. 363.6m-890kc. 1000 watts. City of Jacksonville. Wilay. Jacksonville, Wilay. Jacksonv

Eastern.
WKAV, Laconia, N. H. 223.7m-1340kc. 50 watts. Laconia Radio club. Frl, 7 pm. Sun, 10:30 am; 5 pm, 6:30. Eastern.
WKBB, Jollet. Ill. 214.2m-1400kc. 100 watts. Sanders Brothers. Wed, 6:30-8:30 pm. Thurs, Sun, 8:30-12 midnight. Central.
WKBE, Webster, Mass. 230.6m-1300kc. 100 watts. K. & B. Electric Co. Mon, 8-12 midnight. Eastern.
WKBG, Chicago, Ill. 215.7m-1390kc. 100 watts. C. L. Carrell. (Portable.)
WKRC. Cincinnati, Ohlo. 422.3m-710kc and 325.9m-920kc, alternate months. 1,000 watts. Kodel Radio Corp. Announcer, Eugene S. Mittendorf. Mon, 6:15-7 pm, 8-10, 12-1 am. Tues, Thurs, Sat, 10-12 midnight. Wcd, 6:15-7 pm; 8-10 pm, 12-1 am. Sun, 6:45-7:30 pm, 10-12, 12-1 am. Central daylight.
WKY, Oklahoma City, Okla. 275.1m-1090kc. 100 watts. E. C. Hull, H. S. Richards. Daily ex Sun, 9 am, 7:30 pm, services. Central.
WLAL, Tulsa, Okla. 249.9m-1200kc. 100 watts. First Christian church. Announcer, R. W. Burkhart. Slogan, "The Voice of the Church." Sat, 7:30 pm, Bible class. Wed, 9:30 pm. Sun, 7:30 pm, church. Central.
WLAP, Louisville, Ky. 275.1m-1090kc. 20 watts. W. V. Tarada. Thus. Fig. 9:20-10 pm. Central.

class. Wed, 9:30 pm. Sun, 7:30 pm, church. Central. WLAP, Louisville, Ky. 275.1m-1090kc. 20 watts. W. V. Jordon. Tues, Fri, 9:20-10 pm. Central. WLB, Minneapolis, Minn. 277.6m-1080kc. U. of Minnesota. WLBL, Stevens Point, Wis. 277.6m-1080kc. 500 watts. Wlsconsin Dept. of Markets. Slogan, "Wisconsin, Land of Beautiful Lakes." Daily ex Sun, 8:45 am, 9:45, 10:45, 11:45, 12:30 pm, 1:45, markets. Tues, Thurs, 8 pm. Mon, Fri, 6 pm. 3rd and 5th Sat of month, 8 pm. 2nd and 4th Sat, 10 pm. Central. WLIB. Chicago. III, 6302 8m-990kc. 4000 watts. Lth-

WLIB, Chicago, Ill. (302.8m-990kc. 4000 watts. Lib-erty Magazine. Announcer, Bill Hay. Daily ox Sun, Mon, 7-8 pm, 11-1 am. Sun, 5-6 pm. Central Day-light.

The fourth part of the directory v

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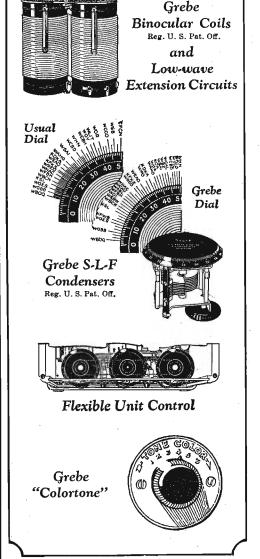
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