Read "A Step On the Stairs" Mystery

Radio Digest

EVERY TEN CENTS

Vol. XVI No. 12 Copyright 1926 by Radio Digest Publishin MARCH 27, 1926

Boy Scouts Master Radio Tricks; WCCO Portal Players Make Up formides Gold Cup Announcer Contest Opens; Fifth Installment SOS Stor-Live in H.

No. 1 OFFICIAL BALLOT

Announcers' Contest

RADIO DIGEST THIRD ANNUAL GOLD CUP AWARD

GOLD CUP AWARD Editor, Radio Digest, 510 North Dearborn Street, Chicago, Ill. Please credit this ballot to: Address.....

...... State......

VIENNA STATION TO INSTALL TELEVISION

BELIN SYSTEM TO BE USED TO TRANSMIT PICTURES

Announcement Has Mixed Reception Because of Invention Selected and Move Thought Premature

By F. M. Delano

VIENNA, Austria.—The new Vienna station looks like being the first broadcasting station in the world to launch out into the broadcasting of pictures by television. It is announced that they have

vision. It is announced that they have made an agreement with M. Edouard Belin, the French inventor, to adopt his system of television and that M. Belin is coming to Vienna shortly for the purpose of installing the apparatus.

This announcement has had a mixed reception here. While the enterprise of the station is commanded, it is pointed out that they may have acted somewhat rashly, as many hold that the Belin system is not at the moment the best. The Karolus method, which has been launched tem is not at the moment the best. The Karolus method, which has been launched by the Telefunken people, has warm partisans here, while similar claims are made for the invention of a Viennese engineer, Professor Tschorner.

Another line of criticism is that the Ravag, the company which holds the broadcasting monopoly in Austria, would be better advised, pending the evolution of a foolproof television system, to spend

of a foolproof television system, to spend what surplus money it may have on improving its programs, which are said no always to be up to the required standard.

428 Applications for New Station Licenses

List Shows Great Publicity Value of Radio Broadcasting

WASHINGTON, D. C .- The department of commerce has just made public for the first time a list of applicants for new broadcasting stations throughout the United States. The list reveals that 428 new broadcasting stations would soon be on the air if there were wave lengths to accommodate them

According to officials of the department of commerce, the list indicates the great publicity value attached to Radio broad-At the present time there are 536 stations. If licenses could be granted to the new applicants, it would almost double the total number of stations.

Can Keep Clocks Correct
CINCINNATI.—Radio is affording
housewives an opportunity to keep their
clocks correct. Correct time is broadcast
through the Crosley, WLW, station at
11:55 a. m. and whenever the programs
are concluded.

BET YOU NOW WISH WE HAD TELEVISION

THE young lady whose picture appears on our cover this issue is Miss Isabel Dawn, one of the new and most interesting stars of the First National Pictures, Inc. Just now she is appearing before the microphone of WJZ, New York, in a series of Radio playlets provided by the film company. The has received a tremendous mail of "Irene" and when television with P Mis Dawn will be the double

WLS Is Teaching Women to Buy Better Quality Fabrics

CHICAGO.-To teach women to know, appreciate and buy the better quality fabrics is the mission of the unique Radio textile school for homemakers, just organized by the Sears-Roebuck Agricultural

ganized by the sears-Roeduck Agricultural Foundation over its station here, WLS. Miss Elizabeth Weirick, a noted textile expert, is the director of the new school and will be the principal instructor at its classes, which are held over WLS every Tuesday afternoon from 3 to 4, Central time

NOMINATION CERTIFICATE

Announcers' Contest

Radio Digest Third Annual GOLD CUP AWARD

GOLD CUP AWARD Editor, Radio Digest 510 North Dearborn Street, Chicago, Ill. I nominate... (Broadcasting Station) Address.... State......

Says Radio Has Increased Circulations of Libraries

CHICAGO.—A stimulated interest in an increased circulation of library books have resulted from the universal popularity of Radio, declares the American Library association, after compiling reports from various parts of the country dealing with the influence of Radio.

Once considered to be a new form of

amusement which would divert the interest of the American family and discour age reading habits, public libraries have found in Radio an ally for extending the circulation of good books. Cooperation of libraries with Radio stations everywhere has had a salutary effect, according to the library association. There are now more than forty stations which broadcast reg-

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All the Live News of Radio
Boy Scouts Master Radio Tricks
Fortal Players of WCCO Make Up for Mystery Serial Play
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"A Step On the Stairs," Radio Digest Prize Story, Fifth Installment, by Robert J. Casey
Advance Programs for the Week
An Evening at Home with the Listener In; A Chart in Central Time, showing when to listen in for stations
Editorials, Indi-Gest and Condensed by Dielectric
Technical Editor Part III—Assembly and Wiring, by the
by the Technical Staff
Directory of Radiophone Broadcasting Stations, Part II (Revised)

Looking Ahead

Accused of Piracy, the Veteran Broadcaster, WJAZ, Armed Her Crew to the teeth, hoisted the skull and cross bones and cut her course directly across the air to meet a wandering wave flying the Union Jack. Sulphuric Smith let loose with a triple octave baritone broadside and caught the Hoover bark in a crossfire. Bloody details in a forthcoming issue of Radio Digest.

Has to Be Good If It Comes from Milwaukee and that's why the Marquette University-Milwaukee Journal Radio Station WHAD feels obligated to present programs of infinite variety and full entertainment value. Turnvereins and firemen "horn in" to continue the fame of Milwaukee. Read about them, see them in next Radio Digest.

Whose Were the Extra Heads? Who Stepped on Tolliver's Hands? Was someone trying to drug the whole party with ether? Real fireworks begin in the next installment of "A Step On the Stairs." A flashlight throws a weird beam and then strange voices—get new thrills and get your Radio Digest early.

Super-Torrodyne Is An Unusual Super designed by Prof. J. E. Owen of the bureau of tests and measurements at the University of Oklahoma in which the outstanding feature is the use of torroidal coils for the input coupler and the oscillator coupler. The result is no direct pick-up of signals by these units and the only energy traveling the circuits is that which comes in on the antenna. Its construction will be given in the Radio Digest.

Another Raytheon B Power Supply will be presented in the next issue. This uses a compact Jefferson unit combining the transformer, chokes and socket in one case. The wiring is further simplified by the use of a Tobe unit which combines the three filter condensers in one case—wired. Four B voltages of 45, 67, 90 and 135 volts can be obtained.

Newsstands Don't Always Have One Left

WHEN YOU WANT

YOU WANT IT!

BE SURE OF YOUR WEEKLY COPY BY SUBSCRIBING NOW

SEND IN THE BLANK TODAY

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CLAIMS RADIO WILL CREATE FOLK MUSIC

REAL AMERICAN TUNES TO BE BASED UPON JAZZ

National Authority Says United States Will Develop Individual Type Through Broadcasts

CHICAGO.-Under the withering white glare of the Radio spotlight the average jazz tune curls up and dies six months before its pre-radio allotted time.

Only the virile, the sturdiest of worth-while compositions of a jazz nature can survive the infinite repetitions within a short space that Radio gives to every new tune. Thus, by the survival of the fittest, America is developing for the first time a genuine lore of folk music, based on

This is the opinion of Dr. Sigmund Spaeth, author of many volumes on modern music and music trends, and a leading authority on music in all its phases, whose innultrated lectures on the

phases, whose innultrated lectures on the subject over the microphone of WLS, the Sears-Roebuck Agricultural Foundation station, have created a mild sensation and an avalanche of "applause letters."

"There never has been any genuine American music," Dr. Spaeth believes. "For a century and a half we have imitated the European style. We have been insincere in music, posing. Whether we liked the classical or not we have we liked the classical or not, we have pretended to do so, to save our faces.

"Jazz is as American as baseball. Jazz is restless, honest, obvious, energetic, vulgar, human, impulsive-a cross section of Yankee human nature in the raw.

"Radio is a refining furnace from which

survives the best in jazz music. Gradually a body of music, basically jazz, is being built up that is the first evidence of a truly American folk music."

KOA Spring Cleaning to Overhaul Antenna

Find Dry Denver Air Keeps Wires from Corroding

DENVER .- Prepatory to the pre-summer broadcasting season, KOA's transmitting equipment and towering antenna system recently were given a rigid spring inspection at the hands of the technical staff members.

"Examination of antenna joints and conexamination of antenna joints and connections, insulators, etc., are important at this time in anticipation of the usual spring winds," declared C. J. LaGue, chief engineer of the General Electric station.

"We were particularly interested to find a complete absence of corrections or the

we were particularly interested to find a complete absence of corrosion on the antenna wires and down leads," he continued. "This condition, no doubt, is explained by the thin, dry atmosphere at this

Libel Suit Brought Against Station Dismissed by Court

OKLAHOMA CITY, Okla.—The suit against Station KFJF, here, for \$20,000 for alleged libelous statements made from the station by Rev. McConnell, while the station was leased by him, has been thrown out of court before even being set on the court calender. The suit was filed by Unheriff Friss of Oklahoma county, following a widely-advertised talk by Rev. McConnell in which certain matters regarding the official conduct of the officer were mentioned in regard to the liquor industry.

Attorneys for KFJF filed a demurrer, setting up the fact that the station only furnished the equipment under lease; that the Southwestern Bell Telephone company (A. T. & T.) also was a party as their leased wires were involved; also the Oklahome Gas & Electric company (Billeysby company's subsidiary), as their poles were leased. Following this action, the case was dismissed.

OPEN GOLD CUP AWARD FOR 1926

NEWS BRIEFS FROM THE BROADCASTERS

COOLIDGE TO TRY TO TALK TO SOUTH AMERICA

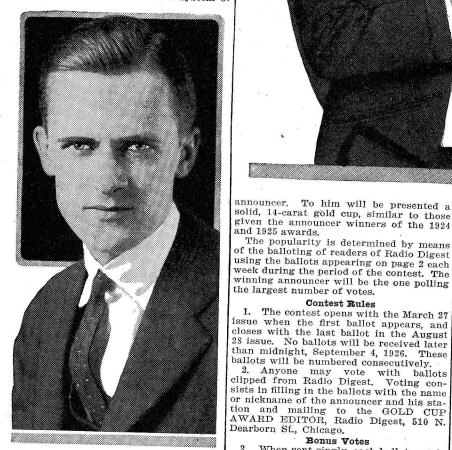
WHAP Engages New Woodwind Sex-tette—CKY Invaded by 600 Farmers —Law Series from WEAF

An attempt to transmit the voice of President Coolidge, never before heard outside North America, to the countries outside North America, to the countries of South America will be made April 8, by Stations WRC, Washington, and WJZ, New York, when the president formally welcomes the delegates to the first Pan-American Congress of Journalists to Washington.

The success of the recent series of woodwind concerts given from WHAP has led the studio management to engage the services of a new woodwind sextet, which will be heard for the first time next Friday evening, March 19, at 8:30. This organization, the Philharmonic Woodwind ensemble, is recruited from members of the New York Philharmonic orchestra.

When Winnipeg was "invaded" by more than 600 farmers from North Dakota, recently one of the places surrounded and carried by storm was the CKY studio. The microphone was left open as the visitors passed through the studio and every member of the party—with one or two shy exceptions—said "Hello" to his friends who were listening in at home.

Although but a few minutes in length, one of the most interesting programs broadcast by KFI is the weather forecast of Father Ricard put on the air each Sunday evening at 6:45 p. m. Pacific time. For many years Father Ricard has studied the weather in his little observatory at Santa Clara and has evolved a system of



weather prognostication that has proven to be so accurate that even hardy Cali-fornians, usually ready to fight at the drop of a slurring remark about California weather, philosophically resign themselves to their fate when the "Father of the Rains" predicts cloudy weather over KFI for the following week.

A popular series of addresses by leading A popular series of addresses by leading legal lights of the eastern section of the country will be heard by the listeners of WEAF during the week beginning Monday, April 5. These addresses will deal with the important factors of law and law enforcement and are under the auspices of the American Bar association. of the American Bar association.

As a result of appearances before the microphones of KPO, Reg. Code, San Francisco orchestra leader, has received an offer to bring his dance group to one of the leading hotels of Shanghai, China.

RULES FOR THIRD GOLD CUP AWARD

announcer. To him will be presented a solid, 14-carat gold cup, similar to those given the announcer winners of the 1924

given the announcer winners of the 1924 and 1925 awards.

The popularity is determined by means of the balloting of readers of Radio Digest using the ballots appearing on page 2 each week during the period of the contest. The winning announcer will be the one polling the largest number of votes.

Contest Rules

Prizes Offered 4. The announcer polling the largest number of votes will be declared the world's most popular Radio announcer for 1926 and will be awarded the Radio Digest

ing schedule:

LISTENERS ASKED TO SELECT **MOST DESERVING ANNOUNCER**

BEGINNING with the March 27 issue of Radio Digest, the third annual Radio Digest Gold Cup Award opens. All broadcasting station announcers are eligible for entry, either by themselves or by admirers, the only condition being that use be made of the nomination blank which appears on page 2. The Gold Cup Award is for the purpose of determining the world's most popular broadcasting station

MUST DESERVING ANNUUCER

Prepare to Coronate New "King of the Air"—
McNamee in 1925 and George Hay in 1924 Were Victors

1924 AND 1925 GOLD CUP WINNERS



For the third successive year the stage is set for the selection of the world's most popular announcer. Once more the victor will be presented with a solid gold cup, the gift of Radio Digest. The Radio Digest third annual Gold Cup Award is under way, beginning with this issue.

Who will prove to be the 1926 champion announcer? Who is it that has proved himself, this year, dearest to the hearts of most members of the Radio

Listeners who remember the 1924 and 1925 Gold Cup Awards have been wondering and asking when they would be given the opportunity of selecting the 1926 champion. Their questions are answered this

The great enthusiasm displayed in last The great enthusiasm displayed in last year's Gold Cup Award when Graham Mc-Namee won, and the also warmly contested race of 1924 when George Dewey Hay took the golden trophy, is again expected to be overshadowed by the interest when the balloting starts this year.

Purpose of Award
Radio Digest, realizing the strong contact power of the broadcasting announcer, endeavors with the annual Gold Cup Award to determine by an international vote who is the world's champion master of Radio ceremonies. Listeners in every country of the world are invited to par-

The first two announcers to receive the Radio Digest Gold Cup Award are shown here with the solid gold cup presented last year. Left is George D. Hay, formerly of WMC and WLS, now of WSM, Nashville, who won the first cup in 1924 and was proclaimed world's most popular announcer for that year. Above, Graham McNamee of WEAF, in a pose taken last year just after he had been presented with the 1925 gold cup by Radio Digest. The 1926 cup is shown at the right.

Bonus Votes
3. When sent singly, each ballot counts for one vote. BONUSES are given your candidate in accordance with the following schedule. dian announcers en-tered in the gold cup ing schedule:

For each four consecutively numbered ballots sent in at one time, a bonus of eight votes will be allowed.

For each eight consecutively numbered ballots, a bonus of twenty votes, etc.

The service of t

with that For each twelve consecutively numbered For a complete series of the consecutively numbered ballots, a bonus of thirty votes, etc.

For a complete series of the consecutively numbered ballots, sent in at one time, a bonus of fifty votes will be allowed.

the contest will be decided by the Gold Cup Award Editor, and his decision will be final.

Plan New Cornell Station

GOLD CUP. The announcer polling the second largest number of votes will be awarded a beautiful silver loving cup.

5. A beautiful silver loving cup will be awarded to the Canadian announcer receiving the highest vote of all the Cana-ITHACA.—Plans for a 1,000-watt Radio broadcasting station at Cornell university

respects with that | tied for will be awarded to each tying ticipate in the election of the man or contestant.

7. Any question that may arise during and recipient of the Radio Digest Gold

and recipient of the radio Cup.

The annual competition aims not only to pick the favorite announcers, but to raise even higher the already high standards set for announcing. The pasyears' awards have proven invaithis respect and many Radio perhave show mark approver result of the astronomy of the provents of the pro

Scouts Master Radio Tricks

PRACTICALLY All of 800,000 Boy Members Take Keen Interest in Receiving and Sending Skill— Award Merit Badges

OBINS are back, buds are swelling on the trees, frogs are singing, faint vernal odors tinge the vagrant breezes. Up through vibrant earth mold in the woodlands violets and adder tongues are pushing their tender heads to the warm spring sunshine. Happy hiking days are here, the happiest and most invigorating of all the seasons. And oh for the Boy Scouts with tingling sinews and eager feet tramping on the spongy moss,

clambering over the wet stones and skipping through the brooklets of bub-

bling springs! Cone on, boys, we're off! Hop into the old flivver and away we go to Swal-low Cliff and the forest preserve. Let's take supplies for Saturday, Sunday and breakfast on Monday morning at sun-rise. What have we? Here is a slab of bacon. Run down to the delicatessen for some weenies-those fat kindfor some weenies—those fat kind—and some buns, hot dogs, Oh Boy! Don't forget to bring half a dozen cans of pork and beans. What else? Ah, the Radio outfits! By all means! What Boy Scout camp is complete these days without Radio—sending and receiving? Gather around here, Scouts. Which the of you on this trip has an amateur's

one of you on this trip has an amateur's license? Mickey Meyers—good for you Mickey. Get your stuff together and we'll make a place for it in the back. Too bad you can't get away this time, Bob, but you and Mickey fix it up to signal about six tonight. You will be home from the dentist's by then and we'll tell you what we are doing. What

super-het in the other fliv and we'll get

having a Radio outfit is a rare exception. This is evident even in the winter camps where six hundred Boy Scouts camped during the holidays at Interstate Park of New York and New Jersey. Radio sets were almost as com-

By MARSHAL TAYLOR

Mr. Martin calls attention to the Radio Merit Badge awarded to members of the organization who show special enterprise and ability in the science of Radio Here is what a Boy Scout must do to win one of those badges:

Here is what a Boy Scout must do to win one of those badges:

1. Receive and send correctly not less than ten words per minute.

2. (a) Explain how to get in communication with another station.

(b) Explain how to send a message in proper form.

3. Tell in own words the principal laws and regulations regarding Radio communication.

4. Demonstrate at least ten of the radiogram abbreviations (Q signals).

5. (a) Explain the purpose of a detector and adjust a crystal detector, using a buzzer to test its adjustment.

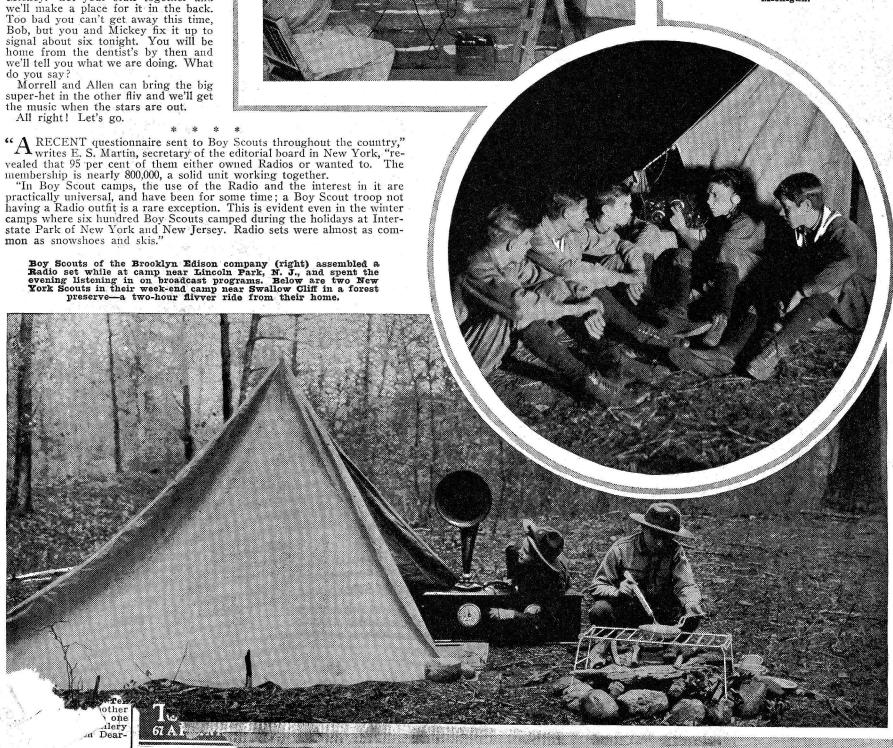
(b) Name two minerals used in crystal detectors.

6. Draw from memory, using correct symbols, a hook-up diagram of a complete vacuum tube transmitting apparatus, including generator or batteries, vacuum tube, condenser, tuning helix key, antenna, ground, and the necessary protective devices. Describe each part of the apparatus and explain its function. Explain how to use a wave meter in connection with this transmitting apparatus to secure the proper wave length of radiation.

(Continued on page 8)

(Continued on page 8)

Scout Fred Clark of Chicago in contact with his home town through a short wave receiving set in Boy Scout camp at Owasippi, Whitehall, Michigan.



win Cities Thrilled by "SOS"

Portal Players Put Realism in Radio Mystery Drama at Station WCCO. Mythical Station Causes Furore. Many World-Famous Stage Celebrities Make Debut in Minnesota

By HAROLD P. BROWN

THEN Longfellow wrote the classic legend of Hiawatha and Minnehaha, he left out one of the most ancient and honorable pleasantries about the Twin Cities, both of which seem to have a reasonable claim to Minnehaha Falls. The famous poet forgot to remember that it was said of old when these two cities grow until they merge into one they shall take the name of "Minnehaha" with Minneapolis taking the "Minne" and St. Paul taking the

Have a care there, Hari Singh! I did not say it! Stand back, I tell you! I saw the cruel glitter in your eye as you thrust your head from behind that curtain across the page. What is that clenched in your hand behind those velvet folds

—Ah! Ha!

But Hari Singh does not move. Nor should he. He is one of the famous Portal Players of the Gold Medal Station WCCO, and little cares he for such moss-grown crudities as this mirthless jibe. Hari Singh as he crouches there, motionless, is doubtless listening to a tap-tap-tap in the hallway of the old Turner manse where Lawyer Ardwyn has arranged for the late Peleg Turner to try to speak to his relatives from his grave through a Ra-

dio loudspeaker.

These are the WCCO players in the characters of the first great Radio mystery serial, "A Step On the Stairs."

THEY are typical of the brilliance and capability of this big broadcasting station of the Northwest. If ever the twain shall meet—St. Paul and Minneapolis—at a common municipal council, Gold Medal Station WCCO will deserve its share of credit for the unity. Never before was there such a powerful bond between them. Figuratively the station towers stand respectively in the two separate cities, one on the Union station in St. Paul and the other on the Nicollet Hotel in Minneapolis. And from the long span of this theoretical antenna WCCO speaks as one to the whole world. Its motto is "Service to the Northwest."

There is a world of energy and purpose in this station. The staff immediately seized upon the new idea "A Step On the Stairs" as an important phase of Radio entertainment. ment. Going about the business at once of making the most of the opportunity, Mr. H. A. Bellows, manager of the station, and Miss Helen R. Fish, director of the players, arranged for a dress rehearsal and a stage setting to correspond as nearly as possible with the scene described in the story. Each character was chosen because of his or her the story. Each character was chosen because of his or her special talents and understanding of the theme. Each one studied his part seriously and attentively to get over to the unseen audience the utmost intended by the author.

H OW well the ensemble succeeded is told in a letter by E. H. Gammons, publicity manager of the station. He wrote as follows:

"After listening to two rehearsals of the first episode of 'A Step On the Stairs' last night, I am a trifle shaky today. Although I was entirely familiar with the script knowing it almost line for line for line. with the script, knowing it almost line for line, I must admit that when I sat in the reception room and listened to them monitor the play last night, the cold shivers ran up and down my spine in a way that they haven't for many years, not even during the coldant Misseager Talog't believe Constituted est Minnesota weather. I don't believe Crawford, our colored porter, who listened in with me, will ever be the same color again. We go on at 10:05 tonight, and, unless I am badly mistaken, we have a knockout."

That speaks well for both the WCCO Portal Players, their interpretation, and the scheme of the play. Apparently the presentation fulfilled his entire expectations for the part day here. tions for the next day he wrote again. There were the usual letters and tele-

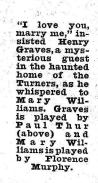
phone calls of appreciation but-"The most amusing thing in connection with the broadcast," said Mr. Gammons, "was that hardly had we completed it when telephone calls began to come in complaining that some station, FYX, had come on the air right on our wave length at the critical moment of the play and blanketed us. In fact one St. Paul listener was so excited about it that he didn't get the call letters and accused one of the small 50-watt stations in the neighborhood of having (Continued on page 16) come on the air







rehearsing Helen R. Fish (top), director, made "A Step On the Stairs" ers. Cousin William (J. C. Nelson) and Aunt Helen (Katherine Jefferies) above. Portal Players, listening (right).



SECRETS OF SALAD BY BETTY CROCKER

MANY COMBINATIONS GIVE LIMITLESS VARIETY

Numerous Tasty Dishes May Be Made by Blending of Different Colors and Flavors

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

By Betty Crocker

AM sure that our lesson today is a popular one. In fact, I do not believe there is a more popular subject in the whole realm of cookery than salad. We are always looking for new salads, and the nice part of it is, we usually find them, because the number of possible combinations is practically limitless. Since we make salads of fruits, vegetables, meats, nuts, cheese, eggs and gelatine, it should be easy to have practically a different salad every day of the year. However that is unnecessary as we pre-AM sure that our lesson today is a However, that is unnecessary as we pre-fer to serve our favorite salads over and over again.

Blend Colors and Flavors

We have gone

I sometimes think we have gone too far in working out new salad combinations, as some of them are rather weird. Often they present a beautiful appearance and yet are unappetizing. Food should be attractive to the eye, and yet by no means should it offend the stomach. An everdecorated salad looks fussy and stuffy, just like an over-decorated room or an over-dressed woman. If you are a real artist, you can combine colors and flavors in a salad as an artist combines colors on a canvas. The different parts of the salad should blend together as tones of music to make one harmonious whole. Be careful that you do not allow a false note

INDIVIDUALIZING THE **FASHIONS HER WORK**



ing topic and life study of "Georgstudy of "Georg-ette," known to feminine readers of ninety daily news-papers and several women's magazines by that name or as Florence Vincent Florence Vincent
George. Besides her
great audience of
the daily press, Miss
George is now
broadcasting over
the Radio through
WEBH, Edgewater
Beach hotel-Herald
and Examiner stationin Chicago Here

NDIVIDUAL-

IZED fashions is the interest-

tion in Chicago. Here she is heard every Monday and Thursday

at 11:30 a. m. Central time.

"Georgette" is a style dictator, specializing in presenting original fashions for all the different types of figures and at the Chicago office, over 400 letters a day asking "what to wear" are answered personally by Miss George.

to creep in, either as to color or flavor. Salad material should always be crisp and fresh. A wilted salad presents a most discouraged appearance, and is decidedly unappetizing.

Food Values Vary
The food value of a salad varies greatly, according to the ingredients used.
A substantial salad may serve as the main dish for lunch or supper. The more simple salads although not so substantial are equally valuable for the acids, minerals, and vitamins they supply to the body At this time of the year, it is especially important that we serve salads if we would avoid bitter spring tonics later on. Fruit and vegetables are most important in our winter diet. During the cold months, it is not always easy or even possible to get fresh green salad foods, but there are so many possibilities for winter (Continued on page 17)

SHORT WAVES - By Marcella .

Miss Blarney and another, indeed, sev-Miss Blarney and another, indeed, several others, want full details about Gayle V. Grubb, or "Gloomy Gus," of Nebraska Buick's KFAB at Lincoln, Nebr. Only knowing that the fraternity pin he happens to be wearing is Sigma Phi Epsilon, I dropped him a note. He answered so well, I shall not retouch his letter:

"Now to begin with your old man here, "Gloomy Gus," likes the girls, especially the little girls, and I have quite a corres-

"Gloomy Gus," likes the girls, especially the little girls, and I have quite a correspondence with little kids all over the country. I might tell you that my eyes are blue except when my wife hits me, and then they are black. What hair I have left is sort of a mahogany brown. After a heavy meal I weigh about 150 pounds and I stick up in the air about 5 feet, 11 inches.

"As you can gain by the foregoing.

"As you can gain by the foregoing, I am married, have one child—a girl—going to enter her at Atlantic City in about 15 years. I am not a bit ashamed

about 1b years. I am not a bit asnamed to tell you my age is a good ripe 30.

"As to what I like and dislike, I am a hand for poetry. I spend most of my spare time writing little foolish songs which are one feature of this station. With Wendell Hall, you know, I wrote 'I Don't think So,' and my little song on 'Etiquette' will be published next week.

"Regarding my dislikes, I hate persimmons and alum. That's all but in the event you would like to know something about my clothes, I might say that next week the suit I have on is mine, having squared up with the tailor. Also have my own teeth and wear size 10 shoes."

I regret to have sad news for "Pearl" and "F.T.M." who inquired about Frank Morris, formerly one of the "Boss' Own" entertainers at WTAS, Elgin, now WLIB. Frank died about a year ago from a chronic illness.

Saw Phillips Carlin of WEAF and he admits that he is happily married, "Phil" is about 5 feet, 7 inches tall and of generous proportions which total 192 pounds ringside. His hair is black; eyes, brown. He likes fishing and golf. Invite him out some time. His dislikes are many. F'rinstance, a number of people call him "cute," that always goes against

New Women's Program Is Feature of WHAD

Milwaukee Station Adds Home Service to Aid Housewives

MILWAUKEE.—In line with the increasing popularity of Radio among women, WHAD has recently added a new service. Planning a dinner, serving a new salad for supper, or arranging a party menu is an easy matter when all the housewife need do is tune in and take notes on the suggestions that Mrs. Ella Liner Lambert broadcasts on Thursday

Liner Lampert broadcasts on Thursday mornings.

Her talks include such subjects as "Better Breakfasts," "A Valentine Luncheon," "Meatless Menus," "Cakes Without Shortening," "Dinners from Left Overs," "Ways of Cooking Inexpensive Cuts of Meat," "Sunday Night Suppers," and other information useful to house and other information useful to house-wives in the preparation of daily and party menus.

arry menus.

The recipes are given slowly enough so that all of the listeners may jot them down. Mrs. Lambert also answers questions which Radio listeners ask by mail.

his grain. Another thing he abhors is going into a place and having someone say:
"Oh, is he the announcer?" He has even been accused of being the Silver Masked Tenor—a distinction that he cannot claim. No children. He is exceptionally good looking.

The "Silver Masked Tenor" is of average height, about 5 feet, 6 inches tall and weighs in the neighborhood of 180 pounds. His hair is black and his eyes are—well, look at them behind the mask, they're, oh, look at them behind the mask, they're, oh, girls, they're a baby blue! And the mask certainly does show them off to good advantage. Someone accused him of being with the Royal Typewriter orchestra. He isvery much married and has the cutest little boy eight months old. He dislikes people talking about the Silver Masked Tenor in his presence. He is quite a song writer, and recently finished a song that he dedicated to his wife. It's called "Maureen Mavoreen," and it has a nice air to it—one that you would has a nice air to it—one that you would like him to sing.

(Continued on page 17)

4 p. m. 3 p. m. 2 p. m. i p. m. WOC (483.6m-620kc) Home management schedule,

MOC (285.0m-620kc) Home management schedule, Aunt Jane. WQJ (447.5m-670kc) "Arbor Day," Mrs. Harriet Michael.

WOMEN'S PROGRAMS INDEX

Saturday, March 27 Eastern Central Mountain Pacific 9:30 a. m. 8:30 a. m. 7:30 a. m. 6:30 a. m. WWJ (352.7m-850kc) Tonight's dinner.

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

11 10 9 8

WEAR (389.4m-770kc) Home service talk.
WHT (399.8m-750kc) Women's club, Jean Sargent.

12 n. 11

WGN (302.8m-990kc) Household hints.
WGJ (447.5m-670kc) Home Economics program;
"Stories about Famous Pictures," Margery Currey.

rey. 12:30 p. m. 11:30 10:30 9:30 WGM (302.8m-990ke) Discussion of fashions. 12:35 11:35 10:35 9:35 KYW (535.4m-560kc) Table talk. 1 10 KGW (491.5m-610kc) Household helps, shopping cuide.

guide.

KMA (252m-1190kc) Domestic science topics.

4 3 p. m. 2 p. m. 1 p. m.

KJR (384.4m-780kc) Tonight's dinner.

6:30 5:30 CNRV (291.1m-1080kc) Women's talks.

Monday, March 29 Eastern Central Mountain Pacific 9:30 a. m. 8:30 a. m. 7:30 a. m. 6:30 a. m. WWJ (352.7m-8:50ke) Tonight's dinner. 10 9 WJZ (454.3m-6:60ke) Women's hour. WRC (468.5m-6:40ke) Women's hour. WTAG (268m-1120ke) Talk, Marjorie Woodman, nurse.

11:15 10:15 9:15 8:15 WTIC (475.9m-630kc) "Canning—Why—What and How," Olea M. Sands.

How," Olea M. Sands.

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Crocker.

12
WGN (302.8m-990kc) Household hints.
WGJ (447.5m-670kc) Home Economics program.
"Dried and Canned Tropical Fruits," Maud
Jacobs. "Specialty Baking Talk," Cleve Carney, 12:15 p. m. 11:15 10:15 KYW (535.4m-560kc) Meat talk. 12:30 10:30 WEBH (370.2m-810kc) Fashion and 9:15 talks. 11:35 10:35 9:35

KYW (535.4m-560kc) Table talk.
2:30 1:30 p. m. 12:30 p. m. 11:30

KFNF (263m-1140kc) Mothers' hour.
WGY (379.5m-790kc) Cooking lesson, Jessie Lane.
"The Trend of Spring Hats," Charlotte Weiss.

3 2 1 12 n. WCCO (416.4m-720kc) Women's hour. Put \ \times \times \text{QSOE} \ (246m-1220kc) \text{Cooking chats.} mazing; (598,2m-500kc), Market hins for housewives. instruction (483.6m-620k profogne management schedule, \$1.00 in U.S. when the relations." Helen is lational Banl. Adam. Schil-DATO CAKE.

8:45 p. m. 7:45 p. m. 6:45 p. m. 5:45 p. m. KSAC (299.8m-1000ke) Girls Room Improvement," Harriet King. "Homemaking as a Profession," Helen Goodspeed.

12:15 | 11:15 | 10:15 | 9:15 | KGO (361.2m-830kc) "Character Training in the Home," J. Breitweiser. Tuesday, March 30 Eastern Central Mountain 9:30 a. m. 8:30 a. m. 7:30 a. m. WWJ (352.7m-850kc) Tonight's dinner. Pacific 6:30 a. m.

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

10 9 8 7

KDKA (309.1m-970kc) Domestic Science.

WIP (508.2m-550kc) Menu, Anna Scott.

WIZ (454.3m-660kc) Women's hour.

WRC (468.5m-640kc) Women's hour.

10.45 9:45 9:45

WTAG (268m-1120kc) Talks to Mothers, Rosebelle

Jacobus. 11 0 0 Jacobus.

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9
8
WEAR (389.4m-770kc) Home service talk.
WHT (399.8m-750kc) Women's club, Jean Sargent,
WMCA (340.7m-880kc) Home makers' hour.
11:30
10:30
9:30
8:30
WOI (270m-1110kc) "Foods to Make Strong
Teeth," Mabel Nelson. "Why Examine Children's Teeth," Lulu Lancaster.

WGN (302.8m-990kc) Household hints.
WQJ (447.5m-670kc) "Personal Taste," Lillian Russell. "The Effect of Diseased Baby Teeth on the Health of the Child," Emil Aison. Pep exercises. 12:30 11:30 10:30 9:30 WEBH (370.2m-810kc) Fashion and household

8 7 6 5 WPG (299.8m-1000kc) Fashion Flashes. 8:30 7:30 6:30 5:30 KGO (381.2m-830kc) As a Woman Thinketh.

Wednesday, March 31 10:45 9:45 8:45 7:45 WEAF (491.5m-610kc) Home service talk, Betty Grocker. WEL (394.5m₇760ke) Gold Medal Service talk, Betty Crocker. WFAG (268m-1120ke) Talk to Housewick Mrs. Lydia Planders.

11 a. m. 10 a. m. 9 a. m. 8 a. m. WHT (399.8m-750kc) Women's club, Jean Sargent. WNYC (526m-570kc) Women's program. 8:30 11:30 10:30 9:30 KFAB (340.7m-880kc) "Frozen Deserts. 11:45 10:45 9:45 8:45 WHT (399.8m-750kc), WJAR (305.9m-980kc) Home service talk, Betty Crocker. 11 10 9
WGN (302.8m-990ke) Household hints.
WQJ (447.5m-670ke) Home Economics program.
12:30 p.m. 11:30 10:30 9:30
WEBH (370.2m-810ke) Fashion and household Crocker. talks. WGN (302.8m-990kc) Discussion of fashions. | Victor | (302.8m-990kc) | Discussion of fashions. | 12:35 | 11:35 | 10:35 | 9:35 | | EVW (595.4m-560kc) | Table talk. | 1 | 2 n. | 11 | 10 | | EVO (428.3m-700kc) | Sewing talk. | 3 | 2 p. m. | 1 p. m. | 12 n. | | WCCO (416.4m-720kc) | Woman's hour. | "The Family and its Friends," Archie Swanson. | 4 | 3 | 2 | 1 p. m. | 4 3 2 ip.m.

WLW (422.3m-710kc) Cooking school.

WOC (483.6m-620kc) Home management schedule, WOC (483.6m-620kc) Home management and Jane. WQJ (447.5m-670kc) "Spring Vegetable Dishes," Helen Downing. "Uses for Crumbs," Jean Rich. 5 4 3 2 WMAQ (447.5m-670kc) Reelpes. 6 4 3 KGO (361.2m-830kc) "Hints for Housekeeper."

KGO (361.2m-830kc) "Hints for Housekeeper."

7 6 5 5

KFOA (454.3m-660kc) Today's recipes,
KLX (508.2m-590kc) Woman's hour.
KMA (252m-1190kc) Domestic science talk,
KSAC (340.7m-880kc) "The House and Its Setting," A Helder.
10:30 8:30 7:30

KOAC (280.2m-1070kc) "Short Cuts in Sewing,"
Lila O'Neale.
10:45 9:45 8:45 7:45

KOAC (280.2m-1070kc) "The Magic House—the
Manager's Job," Jessamine Williams.

Thursday, April 1

Eastern Central Mountain
9:30 a. m. 8:30 a. m. 7:30 a. m.
10

WIP (508.2m-590kc) Tonight's dinner.
10

WIP (454.3m-660kc) Women's hour.
WRC (468.5m-640kc) Women's hour. Pacific 6:30 a.m. WRC (488.5m-640kc) Women's nour-10:45 9:45 8:45 7:45 WTAG (268m-1120kc) Talk, Marjorle nurse. 10:50 9:50 8:50 7:50 WMC (499.7m-600kc) Home economics discussion, Miss Kitty. WEAF (491.5n-610ke) Talks, cookery Iccture.
WEAR (383.4m-770kc) Home service talk.
WHT (399.8m-750kc) Women's club, Jean Sargent.
11:30 10:30 9:30 8:30
WOI (270m-1110kc) "An Easter Luncheon," Linda
Brown, "The New Textile—Rayon," Olive
Settiles. Brown. 'The New Textile—Rayor Settles. 12 n. 10
WGN (302.8m-990kc) Household hints. WQJ (447.5m-670kc) Erns Bertrams. 12:30 p. m. 11:30 10:30 9:30 WEBH (370.2m-810kc) Household and fashion

talks. 12:35 11:35 10:35 KYW (535.4m-560kc) Table talks.

5 4 3 KJR (384.4m-780kc) Home helps. KYW (535.4m-560kc) Woman's hour. 5:15 4:15 3:15 WMAQ (477.5m-670kc) 5:30 4:30 3:30 KOA (322.4m-930kc) Housewives matine 9:35 6 5 4 KOA (322.4m-930ke) Culinary hints. 3 p. m. 2 p. m. 1 p. m. 12 n. WGY (379:5m. That's Spencer. 6:15 5:15 4:15 KOA (322,4m-930kc) Fashion review.

WQJ (447.5m-670ke) "Arbor Day," Mrs. Harriet Michael. 5

KFOA (454.3m-660kc) Home helps.
KSD (545.1m-550kc) Women's hour.
5:30

KOA (322.4m-930kc) Housewives' matinee.
WCCO (416.4m-720kc) Women's club program.
6:15

KOA (322.4m-930kc) Culinary hints, Clara Hoover.
Fashion review, Sally Dee.
7

6

KFOA (454.3m-660kc) Today's recipe.
8:15

KSAC (340.7m-880kc) "The Eternal Fitness of Things," Maria Morris. "The Beginnings of Home Economics," Dean Justin.
9

KUOA (299.8m-1000kc) "Is Your Milk Bill What It Should Be?" Emma Johnson. Friday, April 2 Eastern Central Mountain 9:30 a. m. 8:30 a. m. 7:30 a. m. WWJ (352.7m-850kc) Tonight's dinner. Pacific 6:30 a. m. WTAG (268m-1120kc) Food hints, Mildred Thomas.

11 10 9 8
WHT (399.8m-750kc) Women's hour, Jean Sargent.
WTIC (475.9m-630kc) Book talk. Fashion talk.

11:30 10:30 9:30 8:30
KFAB (340.7m-880kc) Home Economics talk.
WTIC (475.9m-650kc) Housewives' forum.
WDAF (365.6m-820kc), Detay forum.
WJAR (395.9m-980kc), Betty Crocker's Home service talk.

12 n. 11 10 9
WGJ (447.5m-670kc) Bunday Dinner Menu, Ted Wilmes.

12:15 p. m. 11:15 10:15 9:15 menu. 3 2 1 p. m. 12 n. WCCO (416.4m-720kc) Women's hour. 3:15 2:15 1:15 (2:15 p. m. WHO (526m-570ke) Recipes, household hints. WOC (483.6m-620kc) Home Management, Aunt Jane. WQJ (447.5m-670kc) Home economics program. 4:30 3:30 2:30 1:30 WFAA (475.9m-630kc) Homemakers program. WMAQ (447.5m-670kc) Foibles of the Moment

2:15

The TAIRS

By Robert J. Casey

Radio Dramatization by FRED SMITH

Illustrations by HILMER C. OLSON

Synopsis of Preceding Chapters

Synopsis of Pr.

In the first place, who killed Jeremiah Turner?
Here is a chronicle of the weird and mysterious event that led up to the present installment of "A Step On the Stairs."

Jeremiah Turner was found dead, a bullet hole through his head, in the old Turner manse. His body was carried through the front door, sealed except in time of death. His brother, Peleg, sought solution of crime. Peleg's body soon afterward followed through the door of death, His brother, Peleg, sought solution of crime. Peleg's body soon afterward followed through the door of death, a tradition maintained in the old manse for one hundred years. Relatives were summoned by Peleg's will to midnight seance in room where Jeremiah was killed. Mysterious stranger arrives from bay and disappears on way to house where he told caretaker he had been summoned. John Carton, a favorite nephew known to have been in the vicinity the night of the murder, is missing. He had been seen by Mary Williams, his sweetheart and distant cousin, talking to Hazel Stanton, another relative, outside the house at the time of the murder. Guests, admitted by Hari Singh, East Indian servant, sti in darkneed hunt-room waiting for Peleg's voice from the grave, through loud speaker. At the critical moment Station FYX interferes. A scream and pistol shot are heard from the station. One of the engineers is found to have been shot according to report of Tolliver, one of the cousins who had been sent to investigate.

Ardwyn is about to read a letter Tolliver brought from the shooting affray and which he said had been dropped by the gun man. Mary Williams sighs, faints, knocks candle from table, plunging room in darkness. Ardwyn exclaims and says some woman bit him on the wrist. When lights are restored, Mary is still in faint, but letter is gone. Milford Jones, "the bearded pirate" is also found missing and Aunt Helen and Cousin William insist the front door—the door of death—has been opened. All had heard the mysterious steps on the

stairs, coming and going and an SOS distress signal. Ardwyn advises all to leave room for refreshments. Mary remains. Henry Graves returns to talk to her, urges his suit for her hand. She repulses him. He instinuates she has a guilty knowledge and was not in her seat when room was in darkness and letter disappeared. He leaves and Ardwyn enters. He shows her locket tangled on his chain when woman bit him. She admits ownership, but says some other person must have used it to divert suspicion.

Mary convinces Ardwyn of her sincerity when she points to shees left by a strange intruder and suggests that he will return for them. Ardwyn remains with her. The light flickers out. The door opens. Mary screams that she felt a corpse. Ardwyn crashes to the floor, a gash in his head. Har! Singh identifies scarf seized from "corpse" by Miss Williams as one he had put on Peleg Turner at time of his burial.

Hazel Stanton helps bring Mary back to consciousness and Ardwyn recovers from his daze. Suggesting that Mary needs air and quiet, he advises the others to return to the other room. Then he leaves to find her a stimulant. Mary hears a step on the stairs. A man enters the room. It is John Carton, her fiancee. She is amazed, as he is supposed to be in hiding. He tells her he is there to prevent another murder planned for the occasion. He denies that he knows Hazel Stanton. Voices are heard. He thinks he is trapped. Hari Singh chinself answers, calling for help. He is dragging a body into the house from without. Whose was the body? Read about it in the following installment, Radio Digest will supply reprints of the past four installments for twenty-five cents on application to the Mystery Story Editor.

THE STORY CONTINUES



"I have a suggestion," snarled Henry Graves who was waiting at the hall door to help Hari Singh remove the unconscious man to an upper room.

CHAPTER NINE

The War Council

'HO is it?" wailed Aunt Helen Holmes. "Won't some-body please look . . . won't somebody?"

There were other whim-pered queries from the crowd whose terror was fast becoming voiceless. And then, suddenly, boomed the jarring an-nouncement of Henry Graves.

"Why, it's the bearded pirate," he shouted almost joyously. "Our friend, Milford Jones, who left us so suddenly."
"Yes, that's his name, Milford Jones, I remember now," contributed Hari

"The man who went out through the front door," continued Hari Singh. "And

No one was paying any attention to Mary Williams. Henry Grave's cry had stopped her in the midst of an eerie laugh. Now she stood staring through the crowd at the still figure on the floor of the hall

the crowd at the still figure on the floor of the hall.

"Milford Jones," she repeated as if attempting to convince herself...

"Oh, thank God. Thank God!"

They carried the body of Milford Jones into the hallway and laid him out on a rug where the light from the library fell across his face.

"He is not dead," diagnosed Hari Singh. "But he is very far gone. Would the Sahib Ardwyn suggest that I telephone for a doctor?"

"Yes," agreed Ardwyn. "Unfortunately it will take a long time for a

"Yes," agreed Ardwyn. "Unfortunately it will take a long time for a doctor to get here. What makes you

think his skull is crushed?"
"Look here," Hari Singh suggested.
"There is a deep ragged gash in his forehead—no bullet or knife ever caused

"Telephone for the state police while about it. then. . And get Jones upstairs to bed and under covers. He must be frozen in addition to everything else.

"And now, all of you ladies and gentlemen, be seated once more and we shall see if we can get to the bottom of this."

"I don't want to go into that room again," wailed Aunt Helen from the hallway. "There's death in it and you can't see it."

"I am free to accept suggestions for a better council chamber, Mrs. Holmes," Ardwyn told her. "We can't get out of the house until daylight anyway and so

long as we're in here one spot is quite

as safe as another."

The woman sighed throatily.

"Oh very well," she said. "It's not that I'm afraid of anything. My conscience is clear."

"PLEASE be seated, everybody," advised Ardwyn. "The state of our consciences will not excuse us from the work we have at hand." The

from the work we have at hand." The guests moved reluctantly to their chairs and huddled back in silence.
"Now then," began Ardwyn from his old place at the head of the table. "We shall make some arrangements for our own protection. . ." He paused as the voice of Hari Singh, telephoning to the police filtered across the hall

voice of Hari Singh, telephoning to the police filtered across the hall.

"No... Not dead... Dying...
Beaten on the head... Yes, come at once and bring a doctor... Bring...
Hello... Hello." And then in a louder more irritable tone... "They have cut us off. I think the wire has been blown down."

"We shall be largely on our own re-

"We shall be largely on our own re-

"I think you might make a good beginning and save some time if you were to ask Miss Williams just where she fits in this picture. I heard her talking to someone in this room a moment ago when the rest of us were in the library. I don't think she was talking to herself."

"I heard her, too," declared Aunt Helen. "I heard her voice and I was sure I heard a man's voice . . . They were very low but I have good ears."

The company, seemingly glad of a target, any target, turned its combined attention on the girl. She paled perceptibly.

"I-I-don't remember," she said. "I stayed here because my nerves were too upset for me to move . . But I don't remember any conversation . . . Maybe you heard me talking with Mr. Ard-

"Mr. Ardwyn was in the kitchen looking for something," pursued Aunt Helen.
"There was no trouble at all making out his voice." "God help us," she prayed. But that too went unnoticed for her voice was

only a thin echo.

"The Sitt was not talking with the Sahib Ardwyn," repeated Hari Singh with much emphasis. "She was talking to me, Hari Singh. She told me she felt a draft and thought that the side door might have blown open. I went there a draft and thought that the side door might have blown open. I went there and tried the door. It was closed but unlocked. I opened it and looked out and so found Mr. Jones."

"There's something very unusual about that," declared Aunt Helen. "I heard that voice and it certainly didn't sound like yours."

"I am sorry, Madame," apologized the Indian. "I tried so hard to make it sound like my own and if it sounded like anything else I shall be desolated."

like anything else I shall be desolated."

"One moment, Hari Singh," came an unexpected interruption. The eyes of the crowd shifted back once more toward Mary Williams who once more had risen in her place. She was still pale, still nervous, but her voice had a sharp, vibrant quality in it that showed she was no longer afraid.

"Yes, Miss Williams," replied Harl Singh respectfully. "You wish to speak to me?"

to me?"
"Not to you, Hari Singh," the girl said evenly. "I wish to speak to Aunt Helen Holmes. I should like to know by what Holmes. I should like to know by what right and for what purpose she has been casting innuendoes at me ever since we sat down to dinner. Mr. Ardwyn has suggested that the time has come for explanations. I can see no better place to begin them than right here and no better person to start them than Mrs. Holmes." Holmes.'

Holmes."

"I never heard such impertinence," declared Aunt Helen. "Do I understand you to be accusing me of—well what is it you're accusin' me of?"

"Nothing," stated Mary Williams evenly. "I'm not speaking to you any more than to the rest. All of you have fixed on me to be the butt of your charges. I want to know why."

"It's only that you're so aloof, my dear," broke in Hazel Stanton with poisonous sweetness. "It is only natural that a crowd with nerves jaded as ours have been should look with suspicion on the outsider. . . You know you Did the outsider... You know you Did knock over the candle, and you Did stay here when we went into the library, and you Were talking with someone in here—even if it was Hari Singh as he so gallantly confesses."

"JUST who are you, anyway?" demanded Miss Williams with sudden directness. "If we are going to get to the bottom of this affair we might find out first something of our



No one noticed the appeal in the girl's eyes as she turned toward him or the trembling of her hands as she clutched

the end of the table.

"I am H

of a second cousin of Peleg Turner. And I do not concede your right to cross examine me."

amine me."

"What are you doing in this house?"
pursued Miss Williams relentlessly.

"I came here for the same purpose you did," declared Miss Stanton, flushing and

and paling by turns. "I was invited here."
"Were you invited here the night Jeremiah Turner was murdered?"
"Mr. Ardwyn," appealed the harrassed Hazel, "I demand your protection. This woman has no right to question me, she has no right to cloud the issue by directing suspicion toward others merely because i has been directed toward her. Everyone here tonight—Miss Williams excepted—has remained with the company."

"No, Miss Stanton," came the calm voice of Hari Singh. "The Sitt forgets one other who left the company. We need not count Sahib Jones for he is beyond explanation. The Sitt, if I may remind her, was also away from the others for a brief time.... When she left the house to take the air in the blizzard. She will recall no doubt that it was she who opened the side door and that it was she who brushed back almost unnoticed into the house when I was picking up the body of Sahib Jones."

CHAPTER TEN

Hark! From the Tomb

ISS STANTON parted her red lips to speak but was silent. Her pallid skin was deathlike in the glow of the candle and her eyes, wide open now and frightened, burned

angrily in shadowy recesses.

"What if I did go outside?" she demanded. "Is it likely that I could ever be a match physically for a man of the stature and strength of Milford Jones?"

"That is beside the point," broke in rdwyn. "Let us be fair in this thing. e were accusing Miss Williams of something-we do not seem to be agreed on the matter of the indictment—and we were basing our accusations on the fact that

she did not display social instincts. What is sauce for the goose. . . ." He paused. "That is different," the Stanton girl countered warmly. "Everyone knows that I was in the library until just a moment before we came in here. What if I did wander out onto the front porch? I was not gone long enough to bite anyone's wrist or fracture anyone's skull. Perhaps I went out there merely in an attempt to find out why Hari Singh's voice had seemed so out why Harl Singh's vote hat seemed so different when he was talking with Miss Williams . . . You, as a lawyer, should know, Mr. Ardwyn, that there is no shred of evidence by which I can possibly be suspected of anything except monumental foolishness in coming here at all."

"We shall come to no purpose in argu-

"We shall come to no purpose in arguing about it, Miss Stanton," the lawyer said. "I think it is plain that none of us could have had a hand in the assault on

Mr. Jones.

"The police will be here some time before morning and they may have the task of finding out just who is guilty of what. In the meantime we are losing sight of the mission that brought us here."

"We couldn't well help it, you know," broke in Cousin William. "We were a bit

broke in Cousin William. "We were a bit distracted. Yes! Yes!"
"I shall admit that, Mr. Caryl. I shall admit that the causes for distraction are not yet removed. But I cannot forget that as Mr. Turner's representative on this earth I called you here tonight for something more serious than bickering about voices in the dark. Compose yourselves, ladies and gentlemen, and at least until the police come. let us try to remember

ladies and gentlemen, and at least until
the police come, let us try to remember
that we are Mr. Turner's guests, just as if
he were alive."

"I don't enjoy bein' a dead man's guest,"
declared Aunt Helen Holmes. "My poor
husband, dead and gone these twenty
years, would never have permitted me to stay here this long compromisin' my repu-tation with men that disappear out of locked rooms and get their skulls crushed."

T IS not too much to hope that the trouble has ceased for the night," Ard-wyn answered her impertubably. "At any rate, we cannot sit around doing nothing and there is still a chance that rothing and there is still a chainer that the hoped to bring to us the help that he hoped to bring when he was dying. But I shall leave it entirely to your own judgment, ladies and gentlemen. Shall we go on with this experiment?"

"Suits me" voted Tolliver affably. "I'm

"Suits me," voted Tolliver affably. "I'm immune. My hair is standing up so straight now that nothing can make it any straighter and I've heard so many shrieks in the night that a few more

wouldn't make me bat an eye. . . . Me, I'm all for goin' on with the show."

"I agree with Mr. Tolliver," put in Henry Graves. "I don't think anything will come Graves. "I don't think anything will come of it. But I believe that we can force

of it. But I believe that we can little some of our friends here out into the open if we go ahead. Somebody was going a way to stop this affair and I'd like how."

Ink you are stating the case a little wyn. "But at any ty, or perhaps I

wyn. "But at any ty, or perhaps I by, of continuing ridies and gentle-

\$500 in Gold

FOR THE SOLUTION OF

"a Step On the Stairs"

REPRINTS NOW AVAILABLE

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

The chosen stations, which will broadcast "A Step On the Stairs," in Radio play form, are given on page nine. The days and the hours are

THE PRIZES

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

HOW TO WIN A PRIZE

Nine installments of Mr. Casey's story will be published consecutively

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

RULES OF CONTEST

1. Solutions must be received not later than midnight of Saturday, May

1. The ninth installment of the story will appear in the April 24 issue. The author's intended and final chapter will appear in the May 15 issue, to-gether with the announcement of the winners' names.

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

their families.
3. Contestants pay no fee and need not be subscribers to Radio Digest. Solutions, however, must be written

upon one side of paper.
4. The decision of the judges, to be named later, will be final.

A grumbled assent that seemed virtually unanimous greeted his query.

"Very well, then," he decided. "We shall renew our attempt to communicate with Mr. Turner. Let us begin by fixing in our minds the cause of his strange request

that we come here:
"Jeremiah Turner was murdered in this very room. John Carton, favorite nephew of the Turners, disappeared at the time.

"Peleg Turner came home here to take charge of his property and died almost immediately under circumstances that all of us who were close to him have believed to be peculiar, if not mysterious.

gathered here in this room at hi invitation as expressed in the letter that he wrote to me just before his death to listen as he attempted to communicate

with us over the Radio.
"Now I should like to call to your attention that nothing that has happened tonight has changed the original situation. Someone opened the barred front door that has never been used except to provide an exit for the coffins of the lords of the manor in death. Someone precipitated a riot in the broadcasting station to which our Radio receiver was tuned at midnight. Someone dropped a letter, presumably incriminating, on the floor of the Station FYX power house. Someone, presumably interested in that letter, bit my hand in the dark and stole the evidence. Milford Jones got out of this room through locked doors and barred windows and was found with his skull crushed. But these events, nerve racking in themselves, have contributed nothing to the solution of the mystery that brought the curse on this house. It is my suggestion that we put out the light, and sit here as we sat before, holding hands if necessary to prevent our nerves playing tricks on us, and listen for the promised word from Peleg Turner"

WAIL that seemed to come from A nowhere made itself heard over the minor noises of the storm.
"What was that?" queried Aunt Helen

tremulously. "I have seen from an upstairs window,"

came a call from Hari Singh. "Ther boat out on the bay—a steamship. seems to be in trouble. . . . Her lights have gone out." "Sit quiet, everybody," commanded Ard-

There is nothing we can do. the boat has put into the bay there is a coast guard station near her."

There was a murmur of dissension.
"The Sahib speaks true," stated Hari
Singh. "Her lights have gone out. We
could not see her if we wished."

"We have a duty to perform right here," repeated Ardwyn. "A duty to the man whose dying wish brought us here. And it is bitter cold out there in the storm..."

"Suits me," acquiesced Tolliver. "Put out the light then" and

"Put out the light, then," ordered Ard-yn. "Hari Singh will lock the hall door." wyn. "Hari Singh will lock the har Clap-"Going out anyway," said Tolliver, clapping the fluttering wick between his palms. There it's out-and, oh boy, how I miss

it."
"Be quiet now," suggested Ardwyn.
have switched on the Radio." From the outer distance came another wail of the ship's siren. The ensuing silence was awesome by contrast-terrible in its completeness.

Something terrible is going to happen." "Quiet," muttered Ardwyn. "There a voice on the Radio. I can hear the generators at FYX."

"I hear something else," moaned a woman. "Listen. . . . We heard it before. . . . The step on the stairs. . . ."

It was plainly audible as the frightened

at was plainly audible as the frightened men and women sat breathless in the dark—the creaking of stairs and the tapping sound—three short taps—three widely spaced taps—three short taps.

"What can that be?" came the awed voice of Mary Williams. "Who is it walks up and down those stairs?"

THIS is Station FYX," boomed the Radio announcer in startling incongruity. "Miss Miriam Hartley

came as a weird accompaniment to the singer and the wail of the siren broke frequently through the wild organ obbligato

of the storm.
... "Good bye summer, good bye, good

The singer broke off in the midst of a phrase and then came the strained tones of the announcer.

"Station FYX will stand by for a few minutes," he said. "There is a ship in trouble on Pelican Bay."

From the outer hall echoed the creaking

stairs and the regularly spaced taps. . three dots, three dashes, three dots. . SOS . . . an incomprehensible message to be lost in a moment as the Radio set picked up the harmonic of a ship's wireless . . . "SOS"—a blatant, whining message that brought terror even to those who could not

"SOS," translated the voice of Tolliver.
"SOS," telegraphed the unseen operator
aboard the ship out there on the moaning

And then the hellish symphony of the Radio faded out and a man's voice came slowly, clearly, distinctly through the noises of atmospheric disturbance.

Y FRIENDS, I bring you a mes sage," said the voice, and a shriek answered him.
"Peleg Turner," screamed a woman in

"Peleg Turner," screamed a woman in a voice that terror had distorted beyond identification. "Peleg Turner!"

"Do not be alarmed," came the hollow tones from the loud speaker as if the scream of fright had been heard beyond the grave. . . "I am happy here and I wish no harm to any of you except the one who killed by brother. . . ." who killed by brother. . . ."

A man swore under his breath.

wind howled in the chimney with peculiar

malevolence.

"I am speaking to that one," the voice continued. "I could not rest in my grave without attempting to right the wrong that one did. And I am warning that one, that before daylight, the price will be

"My friends, my loved ones, the murderer is in this house where you are listening to my voice. And I curse the murderer ..." derer. . . ."

The voice died away; the whirring noises

of the receiver increased in volume and the whining of the code broke in once more . . . SOS . . . SOS . . . "My God," shrieked Hazel Stanton, "let me out of here! Let me out of here . . ."

Who felled Milford Jones? What disconnected the telephone as Hari Singh called for help? What does Hazel Stanton know? Peleg Turner will next sing Tosti's 'Good Bye'."

And in spite of themselves, the eleven listened though the creaking of the stairs of this message in the next week's Radio Digest. speaks from his tomb—and accuses a person now

BOY SCOUTS AND RADIO

(Continued from page 4)

(Continued from page 4)

7. Draw from memory, using correct symbols, a hook-up diagram of a complete receiving apparatus, using a vacuum tube detector, including antenna, two-circuit tuner, detector, fixed and variable condensers, resistances, batteries, phones and ground. Describe each part of the apparatus and explain its functions.

8. Describe a vacuum tube and explain its three principal uses, namely as detector, amplifier and oscillator.

9. Explain the differences between continuous wave, modulated or interrupted continuous wave and spark signals. Explain how each kind of a signal is produced and how each kind is received.

10. Construct with your own hand a practical working receiving set and demonstrate its operation for receiving signals from a station 25 miles or more away.

11. Explain how to install an antenna, how to connect to the sending and receiving set, how to ground it properly and how to protect it against lightning. State the Underwriters' laws for safeguarding Radio apparatus.

Mr. Martin explains how the boys use Radio to carry on their good work:

"'Do a Good Turn Daily.' Such is one of the mottoes of the Boy Scouts. Radio is helping them to make the motto alive and real for themselves and for the people they aid and hefriend

ple they aid and befriend.

"Good turns are done daily by the
Scouts using Radio receiving apparatus. Concerts and lectures are given in hospitals and similar institutions; invalids, the hed-ridden and the shut-in are cheered up, and in some cases funds are raised and receiving instruments purchased or con-structed by troops to be given to those who may need them.
"This is taking place everywhere. The

Boy Scouts comprise the picked youth of the country—it is no wonder that in every state they have been quick to realize the advantages of Radio broadcasting not only for themselves but for others. and

only for themselves but for others, and have acted on their understanding.

"So popular has Radio become with the Scouts that on the staff of Boys' Life, the official Boy Scout magazine, is a Radio erous inquiries submitted by Radio fans. A department on Radio has been included in the magazine."

Well, here we are on Swallow Cliff. Let's run the aerial across to that big oak on the other side of the ravine. While Mickey is getting the apparatus together the rest of us will gather some dry wood and start a fire for supper. A match! On this side Allen, can't you see where the wind is? Zowie! There's a flame for you—almost took an eyebrow, didn't it! in sits completeness.

"Why can't we have a light?" wailed —almost took an eyebrow, didn't Aunt Helen. "it's all just as it was before. Bring on that grid and the hot dogs!

Hello, what you want, Mickey? Better hurry up the dogs are sizzlin.' What's that? You got Bob already? Say, you're a whiz. Think you ought to have one of those Boy Scout Radio Merit badges. Tell Bob to take a good sniff. This bacon certainly smells good. Bring the key over closer to the fire, Mickey. Atta boy! Where's Morrell? Funny, you never can find that boy when you want him. Music! Hooray! Now we are all set. These are the happy days, what say, boys! Yee-ow-

OPEN GOLD CUP AWARD

(Continued from page 3) loving cups. One will be given to the second most popular announcer at the end of the 1926 Gold Cup Award, and the other will be presented to the Canadian an-nouncer finishing at the top of the list of

Canadian candidates.

Last year D. R. P. Coats, of CKY, Manitoba Telephone System station at Winnipeg, was highest among the Canadian and nouncers and was presented with a silver loving cup by Radio Digest after the 1925 Gold Cup Award had ended. It was de-cided to make this an annual feature.

How to Nominate and Vote
On this page the rules regulating the
Gold Cup Award are listed. Any one may
make nominations, using the nomination
blank appearing at the top of page two.
Any one may vote, using the ballot blanks
as they are published weekly in Radio
Digest during the period of the contest
which will not close until August 28 issue.
In voting, however, it is emphasized that
the ballots, Number 1 of which appears on
page two, will count for many more votes
if saved in consecutive series, and cast
all at one time. The bonus vote schedule
is explained in the rules. How to Nominate and Vote

is explained in the rules.

Kenneth G. Moffatt Dies VICTORIA, B. C.—Mr. Kenneth George offatt, "Victoria's Radio Genius" suc-Moffatt, "Victoria's Radio Genius" suc-cumbed here recently after a lingering illness, his death marking the passing of one of the greatest pioneers and authori-ties on Radio that the Dominion has produced.

Mr. Moffatt was the first to broadcast

by remote control in British Columbia. He was also one of the first to open a broadcasting station in British Columbia. For a number of years he operated Sta-

ADVANCE PROGRAMS FOR THE WEEK

Saturday, March 27

Headliners Today

Eastern Central Mountain 7:30 p. m. 6:30 p. m. 5:30 p. m. WEAF (491.5m_610kc) Chaminade trio.

Saturday, silent night for: CFAC, CFCA, CNRA, CNRC, CNRE, CNRM, CNRR, CNRT, CNRV, CNRW, KFDM, KFKX, KFMX, KFBU, KFVO, KFAC, KLX, KMA, KOAC, KOB, KQP, KSAC, KSO, KTAB, KUDA, KWSC, WABQ, WBAL, WCAL, WCX, WDOD, WEAO, WEBJ, WEBW, WEBM, WGBF, WGCP, WGHP, WGR, WGST, WHAD, WHAZ, WHN, WHO, WIP, WJAZ, WKAQ, WKAR, WLIT, WLWL, WMAZ, WOAI, WOS, WRVA, WTAG, WTIC, WWJ.

Eastern Time Stations
CHIC, Toronto, Can. (356.9m-840ke), 10:30 p. m., AI
Linton's dance orchestra.
CKNC, Toronto, Can. (356.9m-840ke), 4 p. m., CKNC
Instrumental quintet; Mrs. Harry Hodgetts, soprano;
8, Charles E. Bodley and his dance orchestra.
CNRO, Ottawa, Can. (435.8m-688ke), 8 p. m., Chateau
Laurier concert orchestra; 9, Trip to the Gold and Silver Mines of Ontario and Quebec; 10:45, Chateau
Laurier dance orchestra.

Laurier concert orchestra; 9, Trip to the Gold and Silver Mines of Ontario and Quebec; 10:45, Chateau Laurier dance orchestra.

KDKA, Pittsburgh, Pa. 309, im-970kc), 6:30 p. m., Westinghouse band; 8:30, Westinghouse band.

PWX, Havana, Cuba (400m-750kc), 8-9 p. m., Ward organ recitat; 9-10, Hotel Sevilla-Biltmore orchestra; 10:10-11, Hotel Sevilla-Biltmore orchestra; 11:10-12, Victor Rodriguez orchestra.

WAHG, Richmond Hill, N. Y. (315.6m-954kc), 12 midnight, Club Castle dance orchestra.

WBZ, Springfield, Mass. (333.1m-900kc), 6:45 p. m., Hotel Kimball orchestra; 7, Capitol theater orchestra; 7:30, music; 7:45, Repertory theater orchestra; 8:15, Unity mixed quartet; 9:15, Edward J. McHugh, baritone; C. F. McCarthy, accompanist.

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

WEAF, New York, N. Y. (491.5m-610kc), 6-7 p. n., dinner music, Hotel Waldorf-Astoria; 7-8, Madrigal quartet; Chaminade trio; Evelyn Grieg, dulctione artist; 8:15, Shakesperean hour, "The Tempest"; 9:30, WEAF musical comedy troupe; 10, Ross Gorman and orchestra; 11-12, Vincent Lopez and orchestra.

WEI, Boston, Mass. (3348.6m-860kc), 7:10 p. m., D. and L. Slade company, musicale; 8, Boston Symphony orchestra.

WFI, Philadelphia, Pa. (394.5m-760kc), 6:30 p. m.,

well, Boston, mass. Occom-cover, 1.2 p. m., and L. Slade company, musicale; 8, Boston Symphony orchestra.

WFI, Philadelphia, Pa. (394.5m-760ke), 6:30 p. m., Bellevue Stratford concert orchestra; 7, Bellevue Stratford dance orchestra; 8, "The Seven Last Words," choir of Haws Avenue M. E. church; 11, Bellevue Stratford dance orchestra.

WGBS, New York, N. Y. (315.6m-950kc), 6:30 p. m., Vincent Storey trio; 7:30, Hebrew Orphan Asylum Harmonica band; 8, First Bandonian orchestra; 8:30, Clifford Cheasley, numerology, 8:40, Herald male quartet; 9, Zittler string trio; 9:40, Carroll Drake, planist; 10:30, Arrowhead Inn orchestra.

WGCP, New York, N. Y. (252m-1190ke), 3 p. m., orchestra; 3:30, Andy Razof and Paul Denniker; 4:15, Joe Turkel, tenor; 4:30, orchestra; 8:30, Strickland's orchestra; 9, Ukulele Bob McDonald; 9:20, June Lee, singing vagabond; 9:35, Totman and Gallant, banjo quets; 10:10, Yama Yama Boys; 10:30, Strickland's orchestra.

WGHB Clearwater. Florida (266m-1130ke), 6:30-7:30

singing vagaoonu, o.c., duets; 10:30, Stillealand orchestra.

WGHB, Clearwater, Florida (266m-1130ke), 6:30-7:30 p. m., Harold Crocker and his Gater orchestra; 7:30-7:45, Giles W. Quarles, "King of the Mandelalfe"; 8:30-9:30, "The Realtroubadores"; 11:45-1 a. m., Harold Crocker and his Gater orchestra.

WGR, Buffalo, N. Y. (319m-940ke), 2:30 p. m., WGR's afternoon program.

WGY, Schenectady, N. Y. (379.5m-790ke), 6:30 p. m., Onondaga hotel program; WFBL; 8:25, WJZ; 10:30, dance program.

WGY, Schenectany, N. 7. (3/9.5m-/30kp), 0.50v p. m., Onondaga hotel program; WFBL; 8:25, WJZ; 10:30, dance program.

WHAR, Atlantic City, N. J. (275m-1090kc), 2 p. m., Seaside hotel trio; 8, Seaside hotel trio.

WIP, Philadelphia, Pa. (568.2m-5990ke), 8:15 p. m., song recital, Albert Mahler, tenor; 8:30, Junior National Boxing championships, U. S. A.; 10:05, El Patio dance orchestra; 11:05, organ recital, Germantown theater.

WIR, Pentiac, Mich. (516.9m-580kc), 7 p. m., Stormfeltz-Lovely serenaders; 9, music, Jean Goldkette, director; 10, orchestra; 11:30, Jewett Radio Jesters.

WJZ, New York, N. Y. (454.3m-660kc), 7 p. m., Hotel Commodore concert orchestra; 8:25, Philharmonic Society of New York student concert, WRC, WGY.

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

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

WMCA, New York, N. Y. (349.7m-880kc), 6 p. m., Olcott Vail and Hotel McAlpin string ensemble; 6:30, Parody orchestra; 10:30, Creole follies; 11, Emie Golden and Hotel McAlpin orchestra; 12, McAlpin entertainers.

WNAC, Boston, Mass. (280.2m-1070kc), 6 p. m., "The

Golden and Hotel McAlpin orchestra; 12, McAlpin entertainers.

WNAC, Boston, Mass. (280.2m-1070ke), 6 p. m., "The Smilers"; 6:30, Shepard Colonial orchestra; 8, Knickerbocker club and artists; 9, varied program; 10, Lambert Brothers' orchestra; The Plunkerters; 11, Copley Plaza dance orchestra; The Plunkerters; 11, Copley Plaza dance orchestra; Jack Fay, songster.

WNYC, New York, N. Y. (526m-570kc), 7 p. m., song recitals; 7:35, Herman Neuman, planist; 8-10, Metropolitan Museum of Art symphony concert; 10, songs; 10:10, dramatic readings, Harriette Weems.

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

WPG, Atlantic City, N. J. (299.8m-1000kc), 6:45 p. m., organ recital, Arthur Scott Brook; 7, Hotel Morton music; 8, dinner program; 9, Hotel Ambassador orchestra; 10, Nick Nichols' orchestra; 11, orchestra; Elks home.

Elks home.

Biks home.

C. (468.5m-640ke), 7 p. m., Hotel

Washington orchestra; 8:25, WRC; 10:30, Meyer Davis'

Swanee syncopators; 11:30-12, Otto F. Beck, organist.

WREO, Lansing, Mich. (283.5m-1050kb), 6-7 p. m.,

Speed-Wagon screnaders and Gold Standard ensemble;

10-12, serenaders.

WTAM, Cleveland, Ohio (389.4m-770kc), 6-7 p. m.,
Roval Canadians; 8-9, Hotel Hollenden orchestra; 9-12

Royal Canadians; 8-9, Hotel Hollenden orchestra, 9-14, Er Jones and gang.
WTIC, Hartford, Conn. (475.9m-630kc), 6:30 p. m., Skinny and his gang; 6:50, Hotel Bond trio; 8:30, Helene Garlene Hines, reader; 8:45, recital; 10:30, Carroll's Palais Royal orchestra.

Central Time Stations

Charles (240.7m.1000kc), 8:30-10:30 p. m.

Central 1 ime Stations

KFAB, Lincoln, Nebr. (340.7m-1000ke), 8:30-10:30 p. m., variety program by staff artists; 12-2 a. m., orchestra entertainment.

KFNF, Shenandoah, Iowa (263m-1140ke), 7 p. m., concert; 11, old-time fiddling.

KLDS, Independence, Mo. (440.9m-680ke), 8 p. m., Temple concert orchestra, First M. E. church choir.

"a Step On the Stairs" Broadcast as a Play

EPISODE FIVE—THE SETTING

EPISODE FIVE—THE SETTING

We have still in the haunted hunt-room of the old Turner manse. The guests are still waiting for the voice of Peleg Turner to return from the grave through the Radio loud speaker to tell of the mysterious murder of his brother. Suspicions have turned from one to the other of the guests. Lawyer Ardwyn was about to read a letter when the lights went out. In the darkness he gave a cry of pain. Later when the lights had been returned, he said a woman had bitten him on the wrist. The letter had disappeared. Mary Williams repulsed Henry Graves, another guest who asked to marry her. His wooing was interrupted by Ardwyn, the lawyer, who returned to the hunt-room after bandaging his wrist. Ardwyn and Mary are left alone. Ardwyn shows her necklace caught on his watch chain which Mary admitted was her own. The two sit waiting for the door to open. The candle goes out. The front door, supposed to be securely locked and barred, swings open, a figure enters. Mary cried that she has felt the body of a corpse. Ardwyn falls to the floor, a gash in his head. The other guests find them there and a scarf from Peleg's shroud is found clutched in her hand. They are revived. They are unable to explain what has happened. Hazel Stanton assists Mary and on advice of Ardwyn she is left alone to recover he senses. John Carton, a nephew, suspected of the murder slips into the hunt-room. He bids Mary to believe in him, that he is there to prevent another murder planned for the night and that he has summoned the police. Mary is surprised and seeks to hide him when other guests are heard approaching. Harl Singh assists him out the side door. Mary is questioned about the voices. Harl Singh calls for help and drags in Milford Jones who had disappeared from the room earlier in the evening.

THE CAST Frederick Ardwyn......Peleg Turner's lawyer Miriam Hartley ..

WHERE AND WHEN TO DIAL

WHERE AND
WOC, Davenport, Iowa. Fifth episode at
10:30 p. m. Central time, on Friday, March
26. Sixth episode same time, April 2.
(483.6m.620kc).
WOAW, Omaha, Neb. Fourth episode at 8.
p. m. Central time, Saturday, March
27.
(526m-570kc).
KGO, Oakland, Calif. Fifth episode at 9:45
p. m. Pacific time, Saturday, March
27.
(361.2m.830kc).
KOA, Denver, Colo. Fifth episode at 8:30
p. m. Mountain time, Tuesday, March
30.
(322.4m-930kc).
WCO, Minneapolis-St. Paul, Minn. Fifth
episode at 10:05 p. m. Central time, Tuesday, March
30. (416.4m-720kc).
WGY, Schenectady, N. Y. Fifth episode at
8:15 p. m. Eastern time, Friday, March
27.
(379.5m-790kc).

8:15 p. m. Eastern time, Friday, March 26. Sixth episode same time April 2. (379.5m-790kc). WMAQ, Chicago, III. Fifth episode at 9 p. m. Central time, Wednesday, March 24. Sixth episode same time March 31. (447.5m-

WNAC, Boston, Mass. Fifth episode at 8:30 p. m. Eastern time, Wednesday, March 24,

Sixth episode at same time March 31. (280,2m-1070kc).

WEAN, Providence, R. I. Play broadcast by direct wire from WNAC, Boston, on same schedule as WNAC therefore. (270,1m-1110kc).

WHO, Des Moines, Iowa, Fifth episode at 2:30 p. m. Central time, Monday, March 29. (526m-570kc).

2:30 p. m. Central time, Monday, March 29, (526m-570ke).

WRC, Washington, D. C. Fifth episode at 8:15 p. m. Eastern time, Friday, March 26, Sixth episode same time April 2. (468.5m-640kc).

WLW, Cincinnati, Ohio. Fifth episode at 8:30 p. m. Central time, Saturday, March 27, (422.3m-710kc).

WOB, Newark, N. J. Fifth episode at 10:30 p. m. Eastern time, Saturday, March 27, (495.2m-740kc).

WBAP, Fort Worth, Texas. (475.9m-630kc). First episode at 11 p. m. Central time, Thursday, April 1, WSB, Atlanta, Ga. (428.3m-700kc). Schedule to be announced over air.

KMA, Shenandoah, Iowa (252m-(190kc), 9-11 p. m., pipe organ recital, William Howie.

KMOX, St. Louis, Mo. (280.2m-1070kc), 6 p. m., Arthur Utt, organist; 6:30, Mrs. Jaques Landree, organist; 7. orchestra; Mary Noble, soprano; English, Sootch and Welsh program; 8, mixed program; 9, James Haley, old-time fiddler; Edward Goessling, baritone; 10, popular program. orchestra.

7. orchestra; Mary Noble, soprano; English, Scotch and Welsh program; 8, mixed program; 9, James Haley, old-time fiddler; Edward Goessling, baritone; 10, popular program, orchestra.
KPRC, Houston, Tex. (296.9m-1010kc), 8 p. m., pipe organ recital, O. Mueller; 8:30, Frank Tilton, blind planist; 10, Silverstring players.
KSD, St. Louis, Mo. (545.1m-550kc), 7 p. m., Grand Central theater.
WAMD, Minneapolis, Minn. (244m-1230kc), 6:15 p. m., dinner concert, George Osborn and his orchestra; 7:10, Harmony Twins, Fred Roble, Bob Melcher, orchestra. WBAP, Fort Worth, Texas (475.9m-640kc), 6-6:30 p. m., Chief Gonzales' Texas hotel orchestra: 7:30-8:30, music, Mrs. W. D. Smitti; 9:30-11, the Hired Hand's Little symphony; 10, Hired Hand's Truth society. WCCO, Minneapolis-St. Paul, Minn. (416.4m-720kc), 6:15 p. m., St. Paul hotel concert orchestra; 8:15, musicale; 10:05, Nicollet hotel orchestra.
WFAA, Dallas, Texas (475.9m-630kc), 6:30-7:30 p. m., Baker hotel orchestra; 8:30-9:30, Oak Cliff-Dallas Commercial association varied program; 11-12, Jack Gardner's orchestra, Adolphus hotel.
WGES, Oak Park, III. (250m-1200kc), 8-9 p. m., orchestra, organ; 11-12 a. m., entertainment.
WGN, Chicago, III. (302.3m-990kc), 6:30-6:45 p. m., Drake concert ensemble, Blackstone string quintet; 8:30-9:30, light opera quartet; 9:30-10, Hawaiten music: 10, Sam 'n' Henry; 10:10, old-time favorites; 6:55-7, "The Million Sing', 8-8:10, Auld Sandy; 8:10-8:30, Drake concert ensemble, Blackstone string quintet; 8:30-9:30, light opera quartet; 9:30-10, Hawaiten music: 10, Sam 'n' Henry; 10:10, old-time favorites; 10:20, play shop; 10:40-11, studio ensemble.
WHAB, Louisville Conservatory of Music.
WHT, Chicago, III. (302.3m-750kc), 7:30-9 p. m., Town chub, Louisville Conservatory of Music.
WHT, Chicago, III. (302.4m-750kc), 10:20, play shop; 10:30-11, studio ensemble. Popular quartet; 9:30-10, Hawaiten music: 10, Sam 'n' Henry; 10:10, old-time favorites; 10:20, play shop; 10:30-11, studio ensemble. Popular quartet; 9:30-10, Hawaiten music: 10, Sam 'n'

Al Carney.

WIBO, Chicago, III. (225.4m-1130ke), 6-8 p. m., dinner concert; Robert Wessling, baritone; vocalists, reader,

WIBO, Chicago, III. (322.4m-930kc), 9-2 a. m., dance ner concert; Robert Wessling, baritone; vocalists, reader, string trio.
WIAZ, Chicago, III. (322.4m-930kc), 9-2 a. m., dance program, Opera club.
WID, Mooseheart, III. (370.2m-810kc), 12-1 p. m., Palmer House symphonic players; Palmer House trio; 2-3, Howard L. Peterson, organist; 4-5, Palmer House victorians; 10-11, Falmer House Victorians; 12-1 a. m., Palmer House Victorians; 12-1 a. m., Palmer House Victorians; 12-1 a. m., Palmer House Victorians; 12-1 a. m., WKAF, Milwaukee, Wis. (261m-1150kc), 8:30-9:45 p. m., Hi Coleman's orchestra; Louis Rabideaux, baritone.
WKRC, Cincinnati, Ohio (325.9m-920kc), 10 p. m., Marion McKay and his orchestra, Swiss Gardens; Marie Turner, blues singer.
WLIB, Chicago, III. (302.8m-990kc), 7:30-8 p. m.,

Marion Aickay and his orchestra, Swiss Gardens; Marie Turner, blues singer, (302.8m-990kc), 7:30-8 p. m., musical program; 11-11:20, Correll and Gosden; 11:20-1 a. m., studio ensemble, dance music, harmony duos. WLS, Chicago, III. (344.6m-870kc), 7:15-12 p. m., National barn dance and WLS twin wheeze. WLW, Cincinnati, Ohio (422.3m-710kc), 7 p. m., organ concert, Johanna Grosse; 7:40, meeting, Seekatary Hawkins club; 8, barnyard symphonies, Uncle Charley Warner and his Coon Dog orchestra; 8:30, "A Step On the Stairs," Robert Casey; 9, Uncle Charlie Warner and his orchestra; 9:30, Castle Farm. WMAO. Chicago. III. (447 5m-670kc), 6 p. m. Chicago.

WMAQ. Chicago, III. (447.5m-670kc), 6 p. m., Chicago theater organ; 6:30, Mendel Riley, trombone player; 8, Daw and Pratt; 8:30, Radio photologue; Capt. Kilroy Harrison; 9, Balaban and Katz Chicago theater Radio revue.

non ensemble; 9-11, Trianon orchestra; Woodlawn theater orchestra; Alice O'Brian, piano specialties; McFarvin and Beiber, harmony duo; Clinton Keithley,

Farvin and Beiber, harmony duo; Clinton Keithley, tenor.

WMC, Memphis, Tenn. (499.7m-600kc), 8:30 p. m., musical program, Walter Moore.

WOAW, Omaha, Nebr. (526m-570kc), 6 p. m., Kalico Kids; 6:15, Herb Feierman and his orchestra; 7. speakers' hour; 9, de luxe program; 10:30, Frank Hodek and his Nightingale orchestra; 11, Arthur Hays and his organ jubilee.

WOC, Davenport, lowa (483.5m-620kc), 9-10 p. m., Howard A. Carroll, tenor; Fay Paarmann, planist; Grace Loosely, reader; 11-12, Leclaire hotel orchestra; song numbers, Peter MacArthur, baritone.

WOK, Chicago, III. (217.3m-1300kc), 4:30-7 p. m., Howard Will, tenor; 10-1 a. m., dance music; Capitol theater program.

WQI, Chicago, III. (447.5m-670kc), 3-4 p. m., Koffee Klatsch; special musical feature; Jerry Sullivan; Rose Vanderbosch, soprano and pianist; artists; 7-8, Jack Chapman and his Rainbo Garden concert orchestra; 10-3 a. m., Jack Chapman's orchestra; Jerry Sullivan; Rose Vanderbosch, pianist and soprano; Everett Opie, reader; Clarence Theders, tenor; Oxford Girls, harmony duo; West Brothers, guitarists; Gall Bandell, melodians.

WRI, Dallas, Texas (245.8m-1220kc), 6-7 p. m., Jack

duc; West Brothers, guitarists; Gail Bandell, melodians.

WRR. Dallas, Texas (248.8m-1220ke), 6-7 p. m., Jack Gardner's orchestra; 8-9, Henry A. Magnuson, tenor; 12-1 a. m., pipe organ recital, Melba theater; Lindsey Stephens, bartione.

WSAI. Cincinnati Ohio (325.9m-920kc), 7:50 p. m., WSAI Radio chime concert; 8:15, the Bicycle Playing Castestet; 12, Freda Sanker's orchestra; WSM, Nashville, Tenn. (282.8m-1060kc), 7:15 p. m., Francis Craig's orchestra; 8, barn dance program.

WSU, Milwaukee, Wis. (245.8m-1220kc), 9 p. m., Lakefront studio musical program.

WSUI, lowa City, lowa (483.6m-620kc), 7:30 p. m., Wm. G. Edmondson, tenor; Mrs. Geraldine Ristine, pianist.

planist.

Mountain Time Stations

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

KFXF, Colorado Springs, Colo. (250m-1200kc), 9 p. m.,
Rosemary Gardens orchestra.

KOA Denver Colo. (322.4m-930kc), 8 p. m., American
classics, Phi Mu Alpha; 10:15, Scheuerman's Colorado
orchestra.

Pacific Time Stations

KFI. Los Angeles, Calif. (467m-642ke), 5:30 p. m.,
All-American string quartet; 6:30, vest pocket program; 7-8, Al Wesson and his dance orchestra; 8-9,
Robert Hurd, tenor; Virginia Flohri, soprano; Heinrich Tandler, violnist; 9-10, program, associated Packard dealers of California; 10-11, Packard Radio club;
11-3 a. m., froilc.

rich Tandler, violinist; 9-10, program, associated Packard Readers of California; 10-11, Packard Radio club; 11-3 a. m., frolic.

KFON. Long Beach. Calif. (232.4m-1280kc), 6-6:30 p. m., organ recital, Brayton's; 7-8, studio program; 8-9, Press-Telegram studio; 9-11, KFON artists' frolic. KFWB, Hollywood. Calif. (252m-1190kc), 8-9 p. m., Lyric string trio; Eunice Wynn, soprano; Jack Goode, tenor; 9-11, program, Reeve-Gartzmann, Inc., featur-KFWI, San Francisco, Calif. (225.4m-1330kc), 1:30-3:30 a. m., Fajama party. Clem Kennedy's dance ornestra. Eddle Stott, Al Pierce, Sadie Woodside; George Taylor and his uke.

Ing Oakland Six dance orchestra.

KGO, Oakland, Calif. (361.2m-330kc), 8:10 p. m., old dance revival, old-time music, old songs medley; Carl Anderson, tenor; Robert Saxe, tenor; Clarence Oliver, barltone; Albert Gillette, bass; Batt Scanlan and his old-time dance orchestra.

KGW, Portland, Orc. (491.5m-610kc), 6-7 p. m., concert, Olds, Wortman and King company; 9-12, Indian grill.

KH1 Les Angeles Calif. (466.2m-740kc), 8-10 p. m.

KHJ, Los Angeles, Calif. (405.2m-740kc), 8-10 p. ms, Halloy Harrison; 9, Balaban and Katz Chicago thea-ter Radio revue, WMBB, Chicago, III. (250m-(200kc), 7-8 pp. m., Tria-WWBB, Chicago, III. (250m-(200kc), 7-8 pp. m., Tria-WW Warmer studio,

KMTR, Hollywood, Calif. (238m-1260ke), 6-7 p. m., Starr Piano company studio; 8-10, KMTR concert orchestra; Neil Russell, barttone. KNX, Hollywood, Calif. (336-890ke), 5:30 p. m., Leighton's cafeteria orchestra; 6:30-7, Atwater Kent concert orchestra; 7:30-8, program, Roy L. Donley, Inc.; 8-10, KNX feature program; 10-11, Ray West's Cocanut Grove dance orchestra; 11-2 a, m., Filmland frolic.

Cocoanus Grove dance orchestra; 11-2 a. m., Filmland frolic.

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

KPO, San Francisco, Calif. (428.3m-1000ke), 6:35-7:30 p. m., States restaurant orchestra; 8-9. Thritiefte U. S. Infantry band; 9-10, music; 10-12, Fairmont hotel orchestra; Maurice Gunsky, tenor; Merton Bories, pianist.

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

Sunday, March 28

Headliners Today

Eastern Central Mountain 3:30 p. m. 2:30 p. m. 1:30 p. m. 1 WTIC (475.9m-630kc) New Haven orchest

Sunday, silent night for: CFAC, CHIC, CKNC, CNRA, CNRC, CNRE, CNRM, CNRO, CNRR, CNRT, CNRV, CNRW, KFAB, KFAU, KFKX, KFKU, KFOA, KFVE, KFWA, KFXF, KLX, KMA, KMTR, KOAC, KOB, KOW, KSAC, KSO, KWSC, PWX, WABQ, WAHG, WCAD, WCAN, WOAF, WDBO, WEAO, WEBJ, WEBW, WFI, WGBF, WGES, WGHB, WGHP, WGST, WHAD, WHAG, WHAZ, WHAZ, WMC, WNYC, WOI, WRC, WRVA, WSB, WSM, WTAM,

Eastern Time Stations

Eastern Time Stations
CHIC, Toronto, Can. (356.9m-840ke), 5 p. m., organ recital, George Graham.
KDKA, Pittsburgh, Pa. (309.1m-970ke), 6:30 p. m., dinner concert; 7:15, chimes; 7:35, church service.
PWX, Havana, Cuba (400m-750ke), 8-9 p. m., Cuban Army band; 9:10-10:10, Cuban Army band; 10:39-12. Lido-Venice revue.
WBAL, Baitimore, Md. (245.8m-1220kc), 6:30-7:30 p. m., twilight program, concert orchestra; Michael Richter, flutist; 7:30-8:30, musical program; artists' recital, Martha Attwood, soprano; Oliver Denton, planist.

burg, speaker; 6, George Barerre and his Little Symphony orchestra; 8:15, WEAF.

WGBS, New York, N. Y. (315.6m-950kc), 3 p. m., Arrowhead Inn tea dance; 3:30, Crystal Palace orchestra; 8:30, program.

WGCP, New York, N. Y. (252m-1190kc), 2 p. m., orchestra; 3:30, Isabelle Henderson, soprano; 3:15, Edgar Duffy, baritone; 4, orchestra; 4:30, Lesile McLeod, tenor; 4:45, orchestra.

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

WGY, Schenectady, N. Y. (379.5m-790kc), 7:30 p. m., service, First Lutheran church; 9, WJZ; 10, Godfrey Ludlow, violinist, WAR, Atlantic City, N. J. (275m-1090kc), 10:45 a. m., Chelsea Baptist church; 1:15 p. m., sacred recital, Seaside hotel ensemble; 7:50, Chelsea Baptist church; 9:0, classics, Seaside hotel ensemble.

WHN, New York, N. Y. (361.2m-380kc), 7:30-9:45 p. m., Calvary evening services; 10:15-10:45, Anatol Friedland; 10:45-11:15, Janssen's Hofbrau Haus orchestra; 12:12:30 a. m., Harry Richman entertainers.

WIP, Philadelphia, Pa. (508.2m-590kc), 7:15 p. m., services, Holy Trinity church; 9:30, gala concert, Philadelphia and Reading Seashore band.

WIAR, Providence, R. I. (305.9m-500kc), 6 p. m., George Barrarre's Little symphony orchestra; 7, moment musical; 7:20, WEAF; 9:15, WEAF.

WIZ, New York, N. Y. (454.3m-660kc), 11 a. m., St. Thomas Episcopal church; 12:30, Sunday Radio forum; 3:55, St. George's vesper service; 7, Hotel Pennsylvania; 8, Bakelite hour; 9, Hotel Commodore concert orchestra, WGY; 10, Godfrey Ludlow, Violinist; Lolita Cabrera Gainsborg, pianist, WGY.

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

WLWL, New York, N. Y. (265.3m-1130kc), 10:25 a. m., First Presbyterian church; 7:30, Churchill tabernacle.

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

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

WBAL INTRODUCES NOTED PIANIST



The new soprano at KYW, Chicago, is Kathryn Browne, above. Miss Browne is well-known to Illinois audiences because of her operatic work with the Chicago Civic opera company. "Mercer's King of the Ivories" is the young man to the right, Ralph Tabor. He is the official pianist of WMAZ, Macon, Ga.

Sunday, March 28

musical exercises, Bethany Sunday school; 6, organ recital, Clarence K. Bawden.

WPG, Atlantic Gity, N. J. (299.8m-1000kc), 2 p. m., organ recital, Arthur Scott Brook; 4:15, community vocal and instrumental recital, St. James' Episcopal church; 9:15, Hotel Traymore concert; 9:30, Hotel Ambassador orchestra; 10:15, "The Crucifixion," Wilwood Baptist church choir.

WREO, Lansing, Mich. (283.5m-1050kc), 10 a. m., chimes, Belfry Plymouth Congregational church, 10:30, Plymouth Congregational church; 7 p. m., Central M. E. church; 8:15, St. Mary's church chorus choir.

WTAG, Worcester, Mass. (267.7m-1120kc) A 5:20

chorus choir.
WTAG, Worcester, Mass. (267.7m-1120ke), 45:30 p. m.,
WEAF; 7:20-9:15, WEAF; 9:15-10:15, WEAF.
WWJ, Detroit, Mich. (352.7m-850kc), 10 a. m., First
Presbyterian church; 2 p. m., Detroit News orchestra,
4, organ recital; 7:20, Capitol theater family; 9:15,
WEAF.

Central Time Stations
KFAB, Lincoln, Nebr. (340.7m-1000ke), 9-11 p. m.
York orchestra.

KFAB, Lincoln, Nebr. (340.7m-1000ke), 9-11 p. m., York orchestra.
KFNF, Shenandoah, Iowa (263m-1140ke), 10:45 a. m., First M. E. church; 2:30 p. m., Golden Rule song service; 3. Swedish Mission church; 6:30, service, Golden Rule circle; 7:30, Christian church services.
KFRU, Columbia, Mo. (499.7m-600ke), 7:30 a. m., Survice, Golden Rule circle; 7:30, Christian church services.
KLDS, Independence, Mo. (440.9m-680ke), 6:30 p. m., Quartet; cuphonium selections, Philip Turner; James Davis, tenor; 9:15, sacred program; Pauline Etzenhauser, organist; Ada Griffice, violinist; quartet.
KMA, Shenandoah, Iowa (252m-1190ke), 12:15-1:15 p. m., Sacred song service; 4 p. m., church choir music; 5, Bible class.
KMOX, St. Louis, Mo. (280.2m-1070ke), 9 p. m., popular entertainment, Skouras Sunday night club.
KPRC, Houston, Texas (298.9m-1010ke), 9:50 a. m., Trinity Lutheran church; 7:30 p. m., First Christian church; 9:30, Paramount Fire, Radio artists.
KSD. St. Louis, Mo. (545.1m-550kc), 6:15 p. m., WEAF; 8:15, WEAF.
KTHS, Hot Springs National Park, Ark. (374.8m-800ke), 11 a. m.-12:30 p. m., First Baptist church; 9-10, classic hour, New Arlington and Eastman hotels grand cnsembles; 10:05-11:30, Arkanass Traveler Radio special train, Benny Ford and his musical train crew; 11:30-12:30 a. m., organ classic, Lawson Redd.
KYW, Chicago, Ill. (536m-560kc), 7 p. m., Chicago Sunday Evening club; 9:30, classical concert.
WAMD, Minneapolis, Minn. (244m-1230kc), 10:30 a. m., First Unitarian church; 2:30 p. m., popular program, Yordan charch; 2:30 p. m., popular program, String Cadio and Chicago School, 6:30 p. m., popular program, Yordan charch, Sadio Hour, Galfo, dinner concert, George Os-

WAMD, Minneapolis, Minn. (244m-1230kc), 10:30 a. m., First Unitarian church; 2:30 p. m., popular program, Dixie Radio Hound; 6:15, dinner concert, George Osborn and his orchestra; 6:45, Leome Faust and stock company; 9:30, Gayle Wood.
WBAP, Fort Worth. Texas (475.9m-630kc), 5-6 p. m., sacred concert; 9:30, Chief Gonzales Texas hotel orchestra.

chestra.

WCAL, Northfield, Minn. (336.9m-890kc), 8:30 a. m.,
Norwegian church services; 9:15 p. m., St. John's

WCAL, Norming and Mineral Services; 9:15 p. m., Sc. Committee of the Mineral Church Services; 9:15 p. m., Sc. Committee of the Mineral Church; 18:44.6m-870ke), 8 p. m., Zion band Mineral Church; 18:44.6m-870ke), 8 p. m., Zion band Mineral Church; 18:41.6 p. in the We Pre raina church; 18:41.6 p. in the We Pre raina church; 18:41.6 p. in the We Pre raina church; 18:41.6 p. m., St. S. M. 18:40. Mineral Church; 18:41.6 p. m., St. S. M. 18:40. Mineral Church; 18:41.6 p. m., St. S. M. 18:40. Mineral Church; 18:41.6 p. m., St. S. M. 18:40. Mineral Church; 18:41.6 p. m., St. S. M. 18:40. Mineral Church; 18:41.6 p. m., St. S. M. 18:40. Mineral Church; 18:41.6 p. m., St. S. M. 18:41.6 p. m., St.

^ke), 11 a. m.,

ries" is the young man to the right, Ralph anist of WMAZ, Macon, Ga.

T. H. Madison, violinist; 11:50, Mrs. Lela Beuchell, soprano; 8:15 p. m., Martha Hutchison, organist; the Lighthouse choir; Prof. H. L. Pearson, reader; Ellen Acton, soprano; 9:10, Ellis Maas, bass.

WFAA, Daljas, Texas (475.9m-630kc), 6-7 p. m., Radio Bible class, First Presbyterian church; 7:30-8:30, First Church of Christ, Scientist; 8:30-9:30, MacDowell sisters; 11-12, Amphion male quartet.

WGES, Oak Park, III. (250m-1200kc), 5-7:40 p. m., Moody Bible school program; 11-12, frolic.

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

WHAD, Milwaukee, Wis. (275m-1990kc), 3:15 p. m., Turnverein symphony orchestra.

WHAS, Louisville, Ky. (399.8m-750kc), 10 a. m., St. Bontiface church; 4:30-5:30, Christ church cathedral.

WHB, Kansas City, Mo. (365.6m-820kc), 9:40-10:45 a. m., Boulevard Christian church; Mrs. Fred Bishop, organist; Nora LaMarr Moss, contralto; 11:15-12:30 p. m., Independence Blvd. Christian church; Hans Feil, organist; 8-9, Christian Science services; 11:15-1 a. m., Linwood theater feature; Morrill Moore, organist; Don Anchors, poet.

WHO, Des Moines, lowa (526m-570kc), 11 a. m., St. Paul's Episcopal church; 4 p. m., artists from Adel; 7:30-8:15, the Bankers Life trio; Myttle Williams, soprano; Stewart Watson, baritone; 11-12, the Bankers Life trio; myttle Williams, soprano; Stewart Watson, baritone; 11-12, the Bankers Life trio; Synthe Bankers Life trio; myttle Williams, soprano; Stewart Watson, baritone; 11-12, the Bankers Life trio; Myttle Williams, soprano; Stewart Watson, baritone; 11-12, the Bankers Life trio; Myttle Williams, soprano; Stewart Watson, baritone; 11-12, the Bankers Life trio; Myttle Williams, soprano; Stewart Watson, baritone; 11-12, popular program; 1-45, Radio R

WIAZ, Chicage, III. (322.4m-930kc), 7-9 p. m., special musical program.

WID, Mooseheart, III. (370.2m-810kc), 7:45 a. m., Catholic services; 9:40-10:30, Protestant services; 3-4 p. m., Mooseheart Sunday concert.

WKRC, Gineinnati, Ohio (325.9m-920kc), 6:45 p. m., Walnut Hills Christian church; 10, Kodel classical program; 11:15, Marion McKay and his orchestra, Swiss Gardens.

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

WLS, Chicage, III. (344.6m-870kc), 6 p. m., prejude; 6:30-7:55, WLS; Little Brown church choir; Contennal church orchestra; WLS tric; Sol Heller, tenor. WLW, Cincinnati, Ohio (422.3m-710kc), 10 a. m., Swenth Presbyterian church; 4 p. m., organ concert; 7:30, First Presbyterian church, Rev. Frederick MacMillan; 8:30, Pogüe concert, Ralph Thomas, soloist.

WMBB, Chieage, III. (250m-1200kc), 3-5 p. m., orchestras; K. Lucille O'Hara, soprano; Bob Duffy, whispering baritone; Clifford Rail, harmonica novelties; 7:40-9, Fifth Church of Christ Scientist; 9-11, Scotty Welch, Madison Sisters, Billie Allen Hoft, blues singer; Bob Bennett, celeste specialties; Maxwell Treharne, tenor. WOAI, San Antonio, Texas (394.5m-760kc), 7:30 p. m., Central Christian church; 9:30, super-heterodyne hour of music.

WOAW, Omaha, Nebr. (526m-570kc), 9 a. m., Christian

Central Christain church; 9.30, spec-nectoryle hodrom usic.

WOAW, Omaha, Nebr. (526m-570kc), 9 a. m., Christian and Missionary alliance; 1.30 p. m., matinee program; 6, Bible study; 9, services.

WOC. Davenport, Jewa (483,6m-620kc), 1-2:30 p. m., Palmer Little symphony; Paul Vipperman, tenor; 6:30-7, Methodist Episcopal church; 8:15-9:15, WEAF; 10-11:30, Palmer Little symphony, soloists.

WOK, Chieago, III. (217.3m-1300ke), 6-1 a. m., orchestras; Husk O'Hare's orchestra.
WORD, Batavia, III. (275.1m-1090ke), 10 a. m., I. B. S. A. service; 2:30 p. m., program; 6, I. B. S. A. song service; 6:45, trio; 9, service, Webster trio, choral singers.
WOS, Jefferson City, Mo. (440.9m-680ke), 9:30 a. m., Christian church; 5 p. m., Vesper services; 7:30, First Baptist church.
WQJ, Chicago, III. (447.5m-670ke), 9:30 a. m., Peoples' church of Chicago, choir; Clarence Eddy, organist; 3-4, Saida Ballantine artists; Dell Eastburn, tenor; Ellizabeth Greene, violinist; Marcella Kaltenbach, Esther Chukerman, coloratura sopranos; Joe DuMond, barttone; Irene DuMond, concert pianist; Fannie Fuerst, reader; S-10, Jack Chapman and his orchestra; Perison Thal, pianist; Grace Wallace, Otis Jester, Lena Auer Kirk, sopranos; Roy McKay, barttone; Mary House, pianist; Funtella trio.

Fontella trio.

WSAI, Cincinnati, Ohio (325.9m-920kc), 3-4 p. m.,
WEAF; 7:45, chime concert, Robert Badgley; 8:15,

WEAF.
WSM, Nashville, Tenn. (282.8m-1060ke), 7:30 p. m.,
First Presbyterian church.
WSUI, lowa City, lowa (483.6m-620ke), 4 p. m., Vesper service; 9:15, Central City quartet.

Mountain Time Stations
KFXF, Colorado Springs, Colo. (250m-1200ke), 11 a. m.,
First Presbyterian church; 7:30, First Methodist church; 9:15, "The Culture of India," Prof. S. L. Joshi.

church; 9:15, "The Culture of India," Prof. S. L. Joshi.

KOA, Denver, Colo. (322.4m-930kc), 11 a. m., First Congregational church; 3 b. m., music hour; Mary Lee Read, organist; Marjorie Mellow, soprano; Mrs. J. A. Donery, contrato; 7:40, Trinity Methodist Episcopal church.

Pacific Time Stations

KFI, Los Angeles, Calif. (467m-642kc), 4-5 p. m., vesper hour; 7-7:30, Synchrophase string ensemble; 7:30-8, Jim, Jack and Jean trio; 8-9. Aeolian organ, Dan L. McFarland, organist; 9-10, Harry Keiper's Movieland dance orchestra; 10-11, Packard Six dance orchestra.

KFON, Long Beach, Calif. (232.4m-1280kc), 6-6:30 p. m., Brayton's theater organ; 7:45-9, service, First Church of Christ Scientist; 9-10, Burt Pedersen's orchestra.

KFWB, Hollywood, Calif. (252m-1190ke), 9-11 p. m., Warner Brothers Sunday night frolic, Frances St. George, the jazzmania girl of KFWB; Abert Keglovich, violinist; Dan Gridley, tenor; Jack Smith's dance or-

violinist; Dan Gridley, tenor; Jack Smith's dance or chestra.

KGO, Oakland, Calif. (364.2m-830ke), 11 a. m., First Presbyterian church; Otto Fleissner, organist: Theodore Phillips, tenor; 3:30 p. m., concert, KGO Little symphony orchestra; James Gerard, tenor; 7:30, Presbyterian church; Mrs. Harold Olsen, contralto; Otto Fleissner, organist.

KGW, Portland, Ore. (491.5m-610ke), 7:30-9 p. m., East Side Baptist church; 9-10, concert.

KHJ, Los Angeles, Calif. (405.2m-740kc), 4-5 p. m., Masonie service; 7-8 p. m., First Methodist Episcopal church; 8-10, Zoellner string ensemble; Orpheus Four male quartet.

KJR, Seattle, Wash. (384.4m-780kc), 7:15-7:30 p. m., Mrs. Montgomery Lynch, organist; 7:30-9, First M. E. church; 9-10:30, Puget Sound Savings and Loan association orchestra.

ctation orienseria.

(KNX, Hollywood, Calif. (336.9m-890kc), 6:30-7 p. m.,

Hollywood Unitarian church; 7-8, program, Southern
California Edison company; 8-9, First Presbyterian
Church of Hollywood; 9-10:30, program, Beverly Hills
Nurserice

Nusseries.

KPO. San Francisco, Calif. (428.3m-1000kc), 9:45-10:45
a. service; 5-6 p. m., organ rectual. Marshall
Giselman, 6-6:30, States restaurant orchestra; 6:358:35, Palace hotel concert orchestra; 8:35-10, Rudy
Seiger's Fairmont hotel orchestra; 10-12, Henry Halstead's orchestra.

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

KTAB, Oakland, Calif. (239.9m-1250kc), 9:45-10:45 a. m., Bible lecture; 11-12:30 p. m., church service; 7:45-9:15 p. m., after-service concert.

Monday, March 29

Headliners Today

Eastern Central Mountain Pacific 8 p. m. 7 p. m. 6 p. m. 5 p. m. WAHG (315.6m-950ke) Syncrophase hour. 8:30 VCOA (222m-1350ke) Coast Artillery band concert. 9 WDAF (365.6m-820ke) Girls', glee, club. WHAZ (379.5m-790ke) Campus serenaders. WTAG (267.7m-1120ke) Robin Hood houre.

Monday, silent night for: CNRA, CNRC, CNRE, CNRM, CNRO, CNRR, CNRT, CNRV, CNRW, KFAU, KFDM, KFEQ, KFMX, KFWA, KHJ, KLDS, KFSN, KUOA, KYW, WBBM, WBCN, WCAD, WCBD, WEAO, WEBH, WEBJ, WEBW, WENR, WGBS, WGES, WGN, WHAS, WHJ, WIBO, WIP WJAZ, WJJD, WKAQ, WLIB, WLS, WMAQ, WMBB, WOAI, WOC, WOK, WORD, WQJ, WRC, WREO.

Eastern Time Stations

CKNC, Toronto, Can. (356.9m.840kc), 8-10 p. m., Little symphony orchestra; Elsie White, soprano; Elsie Addison, contralto; Lawrence DeFoe, tenor.

KDKA, Pittshurgh, Pa. (39.1m.970ko), 6:30 p. m., dinner concert; 9, Raud light opera.

PWX, Havana, Cuba (400m.750kc), 8:30-9:15 p. m., Westinghouse dance music; 9:15-9:25, for Spanish fans; 9:25-10:10, musical program; 10:20-11, Westinghouse dance music.

WAHG, Richmond Hill, N. Y. (315.6m.954kc), 7:30 p. m., Walter A. Iooss, novelty planist; 7:45, Jean Dodds, soprano; 8, Synchrophase hour; 9:25, John DeBueris clarinet tric; Vito Menella, baritone; 10:20, Bartelo Sabatini, Italian operatic baritone; 10:20, Josephaner, Soprano; R. Queens Melody Boys.

WBAL, Baltimore, Md. (245.8m.1220kc), 6:30-7:30 p. m., dinner program; 7:30-8, organ concert, Frederick Weaver, organist; 8-9, Louise Schroeder, soprano; Eva Hipp, planist; Mildred Penn, planist; Gordon Phillips, tenor; Abram Moses, violinist; Conner Turner, baritone; 9:10-10, musical program; WBBR, New York, N. Y. (272.6m-1100kc), 8 p. m., Irene Kleinpeter, soprano; vocal duets, Irene Kleinpeter and Fred Twaroschk.

WBZ, Springfield, Mass. (333.1m.900kc), 6:30 p. m.

peter and Free Twaroschk.

//BZ, Springfield, Mass. (333.im-900ke), 6:30 p. m.,
Hotel Lenox ensemble; 7:30, organ recital; 8, Capitol
theater orchestra; 10:03, Leo Reisman's Hotel Bruns-

Hotel Lenox ensemble; 10:00, Leo Reisman's Hotel Brunswick orchestra; 10:00, Leo Reisman's Hotel Brunswick orchestra.

WGAE, Pittsburgh, Pa. (461.3m-650kc), 6:30 p. m., dinner concert; 8, studio concert; 9, studio program; 10, WEAF; 11, Ralph Harrison's Midnight Sons.

WGAP, Washington, D. C. (468.5m-640kc), 7:30 p. m., studio program; WEAF.

WGAU, Philadelphia, Pa. (277.6m-1080kc), 7:30 p. m., recital, N. Snellenburg and Co.; 8, the Hood Boys; 8:15, recital; 10:30, Parodians dance orchestra from Club Cadix.

WEAF, New York, N. Y. (491.5m-610kc), 6 p. m., Hotel Waldorf-Astoria; 7:20, Leo F. Bartunique, baritone; 8, pop concert, WOO; 9, A. and P. Gypsies, WEEI, WCAP, WWJ, WJAB, WOO; 10, "Lakhme," WEAF grand opera company, WOO, WCAE, WJAR, WCAP, WTAG; 11-12, Ben Bernie and orchestra.

WEI, Boston, Mass. (348.6m-860kc), 6:13 p. m., Joe Rines and his Hunters' Cabin orchestra; 7:30, Black Iron Shiners; 8:15, musicale; 8:45, WEAF; 9, WEAF, WFI, Philadelphia, Pa. (394.5m-750kc), 6:30 p. m. Bellevue Stratford concert orchestra; 7, Bellevue Stratford dance orchestra.

WGBS, New York, N. Y. (315.6m-950kc), 6 p. m.,

ford dance orchestra.

WGBS, New York, N. Y. (315.6m-950kc), 6 p. m.,
Uncle Geebee; 6:30, Imperial Russian Balalaika or-

Uncle Geebee; 6:30, Imperior Chestra; WGCP, New York, N. Y. (252m-1190ke), 3 p. m., Irving Firstenberg, pianist; 3:45, Le Roy Montesanto, tenor; 4:15, Uncle Robert's Pals; 5, studio program; 8:30, Mac and Lennie, entertainers; 8:45, studio program; 9:30, studio program; 10, Stirckland's orchestra; 10:30, China Royal orchestra; 10:30, China Royal orchestra (266m-1130kc), 6:30-7:30 p. m., Lakewood Terraces orchestra; 8:30-10, program; 12-bound Terrace.

p. m., Lakewood Terraces orchestra; 8:50-10, purgram, Lakewood Terrace.
WGR, Buffalo, N.Y. 3(19m-940kc), 6:30 p. m., Maxime dance orchestra; 8. Clayton Fatter? Roycroft orchestra; 9, program by Wheat's division, General Lec Cream Co.; 10, Shakespercan society; 10:30, Florence Ann Reld, contralto; 11, Vincent Lopez Hotel Statler dance orchestra.
WGY, Schenectady, N. Y. (379.5m-790kc), 6:30 p. m., Hotel Van Curler orchestra; 7:45, General Electric hand.

band. WHAR, Atlantic City, N. J. (275m-1090ke), 2 p. m., Seaside hotel trio; 8, concert; 11, Follies Bergere

band.

WHAR, Atlantic City, N. 1. (275m-1090ke), 2 p. m., Seaside hotel trio; 8, concert; 11, Follies Bergere dance orchestra.

WHAZ, Troy, N. Y. (39.5m-790kc), 9 p. m., Campus serenaders; 10, R. P. I. glee club concert; 11, Students symphony orchestra.

WHN, New York, N. Y. (361.2m-380kc), 6 p. m., people's hour; 7, music; 7:30, Joe Ward's Swanee entertainers; 8:05, Roselund dance orchestra; 8:30, surprise; 9, Loew's New York orchestra; 10:30, Lorey Smith's orchestra; 11, Cotton club orchestra; 11:30, Sliver Slipper orchestra.

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

WIR, Providence, R. I. (305.9m-500kc), 7:45 p. m., Providence Dairy Grade "A" entertainers; 8:15, musical program; 9, WEAF; 10, WEAF.

WJR, Pontiac, Mich. (516.9m-580kc), 7 p. m., Petite symphony orchestra; 7:15, entertainers; 7:45, Goodwill Oakland; 9, Paige and Jewett Sixes; 11:30, Jowett Radio Jesters.

WJZ, New York, N. Y. (454.3m-660kc), 7 p. m., Hotel Commodore dinner concert; 7:55, John B. Kennedy; 8, Astor Coffee orchestra; 10, Manhattan male quartet; 10:30, musical program.

WLIT, Philadelphia, Pa. (394.5m-760kc), 8:15 p. m., recital; 9, Stanley theater hour of music; 10, Arcadia cafe dance orchestra; 10:30, vaudeville features, Fay's Knickerbocker theater; 10:45, El Patio dance orchestra.

WMAK, Buffalo, N. Y. (285.3m-1130kc), 7:30-8:30 p. m., Murray Whiteman and his serenaders; 8:30-9, musical program.

WHOA, New York, N. Y. (340.7m-880kc), 6 p. m., Hotel McAlbin, Walling answeller, 6:30, Hetal McAlbin, McAlbin, McAlbin, Walling answeller, 6:30, Hetal McAlbin, Walling answeller, 6:30, Hetal McAlb

company.

WMCA, New York, N. Y. (340.7m-880kc), 6 p. m.,

Hotel McAlpin string ensemble; 6:39, Hotel McAlpin orchestra; 7:39, Kurtz Karniyai Kings; 10:39, Parody orchestra; 11:30, Jack Denny's orchestra; 12, McAlpin orthertains.

entertainers.

WNYC, New York, N. Y. (526m-570ke), 6:20 p. m., piano selections; 7:35, songs; 8-10, recital talk, Herman Neuman, assisting artists; 10:35, Richmond Versatile orchestra.

WOO, Philadelphia, Pa. (508.2m-590ke), 7:30 p. m., Sylvania dance orchestra; 8-11, WEAF; 11, Adelphia

WOO, Philadelpila, Pa. (308.2m-3930c), 7.30 D. in. Sylvania dance orchestra; 8-11, WEAF; 11, Adelphia dance orchestra.

WOR, Newark, N. J. (405.2m-740kc), 6:30 p. m., Jacques Jacobs' Hotel Shelton ensemble; 7:30, George Tcherbaus' Katinka orchestra; 8:30, Al Reid's hour; 9:45, Spanish program, orchestra; Algandea Becea, Spanish Consul, speaker.

WPG, Atlantic City, N. J. (299.8m-1000kc), 6:45 p. m., organ recital, Arthur Scott Brook; 7, Hotel Morton dinner music; 8:40, Shore Fast Line male quartet; 9, Hotel Ambassador concert; 9:30, Million Dollar Pier orchestra; 10, band concert, Al-Time Grotto; 10:30, Galen Hall trio; 11, Eddle McKnight's orchestra.

WRVA, Richmond, Va. (256.3m-1170kc), 8:15 p. m., State Teachers' college glee club; 9:10, State Teachers' college glee club; 9:10, State Teachers' college glee club; 9:0, State Teachers' music, WTAG, orchestra; 8:30-9, "Broad and Long"; 9-10, Robin Hood hour of music; 10-11, WEAF;

WTAM, Cleveland, Ohio (389.4m-770kc), 6-7 p. m., Hebel Hellendes, expenter, 9-11, Wear, Duchess."

WEAF.

WTAM, Cleveland, Ohio (389.4m-770ke), 6-7 p. m.,
Hotel Hollenden orchestra; 9-11, "Near a Duchess,"
Willard symphony; 11-12, Austin Wylie's Vocalion
Recording orchestra; 12-1 a. m., Royal Canadians.

WTIC, Hartford, Conn. (475.9m-630ke), 6:50 p. m.,
Hub trio; 8:30, Capitol theater orchestra; 9, Dody
Krivitz; 9:15, J. W. Krieh and Mildred Zigmont;
9:30, Hotel Bond orchestra; 10:30, Travelers symphonic
ensemble.

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

DARTMOUTH PLAYERS APPEAR AT WBZ

Monday, March 29

Central Time Stations

KFAB, Lincoln, Nebr. (340.7m-1000kc), 8:30-10:30 p. m. staff artists.

KFNF, Shenandoah, Iowa (263m-1140ke), 7 p. m., concert, Henry Field Seed company.
KFRU, Columbia, Mc. (499.7m-600ke), 6:15 p. m., dinner missis.

ner music.

KMA, Shenandoah, Iowa (252m-1190ke), 6-7 p. m., popular music; 9-11, Farnham trio; Grady and Doc. KMOX, St. Louis, Mo. (280.2m-1070ke), 6 p. m., organ rectial, Arthur Utt; 6:30, Mrs. Jaques Landree, organist; 7, orchestra, "Buster Brown"; 8, orchestra; Katherine Eicher, contralto; 9, Oscar Blanke, tenor; 10, popular dance music.

KPRC, Houston, Tex. (296.9m-1010kc), 7:30 p. m., Malon Gunn's orchestra; 8:30, Humble Oil and Refining company band.

KSD, St. Louis, Mo. (545.1m-550kc), 7 p. m., program, 8, concert, West Presbyterian church. KTHS, Hot Springs National Park, Ark. (374.8m-800kc), 9-9:40 p. m., Scotch Highland folk music, ensemble; 9:45-10:45, Pooley hour, Rainbow Garden; 10:45-11, Lon Chassy, violinist; John G. Heyn, pianist; 11-12, Firestone frolic.

KUOA, Fayetteville, Ark. (299.8m-1000ke), 8 p. m. Lambda Chi orchestra.

KYW, Chicago, III. (536m-560ke), 6-6:30 p. m., dinner music; 6:30-7, Congress hotel dinner concert. WAMD, Minneapolis, Minn. (244m-1230kc), 6 p. m., WAMD Boys' A. C.; 7:01, Garrick symphony orchestra; 7:15, special program; 11, Skyrocket frolic.

WBAP, Fort Worth. Texas (475.9m-630ke), 6-6:30 p. m., dinner music; 7:30, organ concert; 9:30, Ward's "Trail Blazers"; 11, Fort Worth club orchestra.

WCAL, Northfield, Minn. (336.9m-890ke), 8:30 p. m., Norwegian program.

Norwegian program.

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

WCOA, Pensacola, Fla. (222m-1350kc), 7 p. m., Army night.

mgn.

WDAF, Kansas City, Mo. (365.6m-820kc), 6-7 p. m.,
Trianon ensemble, 8-9:30, girls' glee club, Baker
university; 11:45-1 a. m., Nighthawk frolic.

WEMC, Berrien Springs, Mich. (285.5m-1050kc), 8:15
p. m., Radio Lighthouse music makers; Dulciano string
trio; Rhea Yeager, cellist.

WGST Alunta Ga. (270m (110kc)) 0.10 p. m. Have

trio; Rhea Yeager, cellist.

WGST, Atlanta, Ga. (270m-1110ke), 9-10 p. m., Howard McClave, violinist; T. G. Reddy, guitar.

WHAD, Milwaukee, Wis. (275m-1090kc), 6:15-7 p. m., Bill Bening's Milwaukee Athletic club orchestra; 8:30-10, Wisconsin theater revue.

WHB, Kansas City, Mo. (365.6m-820kc), 7-8 p. m. popular dance program.

WHO, Des Moines, Iowa (526m-570ke), 7:30-9 p. m., Paul Stoye, planist and composer; Joseph Gifford Dorothy Dinsmore, violinist; Myrde Williams, soprano: 11-12, organ recital, Capitol theater.

11-12, organ recital, Capitol theater.
WKRC, Cincinnati, Ohio (325.9m-920ke), 6 p. m., Alvin Rochr and his Hotel Alms orchestra; 8, popular song hour; 9, program, American Legion; 12, Kodel midnight frolic; 12:30 a. m., Wesley Helvey's Troubadours.
WLW, Cincinnati, Ohio (422.3m-710kc), 7 p. m., Robert Visconti's Hotel Gibson orchestra; 8, Cincinnati Times-Star orchestra; Howard Hafford, soloist; 10, dance music, Castle Farm.

MOAW, Omaha, Nebr. (526m-570kc), 6:20 p. m., popular songs; Frank Peterson, tenor; Helen Higgins, planist; 6:50, Randall's Royal Fontenelle orchestra; 9, classical

ist; 6:30, Kandali S koyal Fontenelle orenestra; 3, classical.

WOOD, Grand Rapids, Mich. (242m-1240kc), 10-11
p. m., Mills-Wetzel presentation; WOOD ensemble; 11-1 a. m., Merle Compton and his orchestra.
WOS, Jefferson City, Mo. (440.9m-880kc), 8:10 p. m., Easter program, Christian college.
WSAI, Cincinnati, Ohio (325.9m-320kc), 10 p. m., Cincinnati community program; songs, Marjorie Lamkin.
WSB, Atlanta, Ga. (428.3m-700kc), 8 p. m., program, Mrs. Lamar Walker; 10-45, Vick Myers' orchestra.
WSM, Nashville, Tenn. (262.3m-1060kc), 6:30 p. m., Francis Craig's orchestra; 8, program; 10, Vito Pellettieri's orchestra.
WSOE, Milwaukee, Wis. (245.8m-1220kc), 8 p. m., "Passion Week' service, M. E. church; 9, John Swinieke and his Manhattan Beach orchestra; "Candygram" entertainers.
WSUI, lowa City, lowa (483.6m-620kc), 8:30 p. m., musical program.

Mountain Time Stations

CFAC, Calgary, Can. (435.8m-688kc), 9 p. m., ladies

concert trio.

KFXF, Colorado Springs, Colo. (250m-1200kc), 8:30 p. m., Ida Blackman, soprano; Cecil E. Rodgers, tenor; Verda McCleary, KOA, Denver, Colo. (322.4m-930kc), 6:30 p. m., Brown Palace string orchestra; 8:30, KOA orchestra; 9:30, instrumental program; Olinger Highlander Boys First band.

Pacific Time Stations

Pacific Time Stations

KF1, Les Angeles, Calif. (467m-642ke), 5:30 p. m.,
Owen Fallon's Californians; 6:30, vest pocket program,
7-8, old-time songs of the West, Guzmann string trio,
Jean Hayden, soprano; 8-9, Packard Eight dance orchestra; 9-10, program, Walter M. Murphy Motors
company, Pryor Moore concert orchestra; Gilda Marchetti, soprano; 10-11, Meiklejohn Brothers.

KFON, Long Beach, Calif. (232.4m-1230kc), 6-6:30 p. m.,
Brayton's theater organ; 7-8, The Club orchestra; 8-9,
Press-Telegram program from Municipal auditorium;
9-11, studio programs.

KFWB, Hollywood, Calif. (252m-1190kc), 7:30-8 p. m.,
program, Dr. Ralph Mitchell and the Associated Dentists; 8-9, Corduroy Tire orchestra; Sunburnt Jim and
his ukullei; Peggy Mathews, blues singer; 9-10, program, Star Motor Car company, Million Dollar Four
orchestra, Bill Blake, tenor; 10-11, Warner Brothers'
frolic.

orchestra, Bill Blake, tenor; 10-11, Warner Brothers' frolic.

KGO, oakland, Calif. (361.2m-830kc), 6-6:55 p. m. twilight concert; 8, Arion trio; Margaret Avery, cellbat; Joyce Holloway Barthelson, planist; 9:15, Josephine Holub, violinist; 9:30, Arion trio.

KGW, Portland, Orc. (491.5m-610kc), 6-7 p. m., dinner concert; 8-9, concert; 9-10, concert.

KJR, Seattle, Wash. (384.4m-780kc), 7-8:30, Mendelssohn trio; 8:30-10, studio program.

KMTR, Hollywood, Calif. (238m-1260kc), 7:15 p. m., Y. M. C. A. musical program; 8-10, KMTR concert orchestra; Roscoe Bell, tenor; 10-11, Starr Plano company studio.

KNX, Hollywood, Calif. (336.9m-890kc), 5:30 p. m., Leighton's cafeteria orchestra; 6:30-7, Atwater Kent orchestra; 7-7:30, Mutual Motors mirth contest; 7:30-8, program, Overell's Furniture company; 8-9, program, L. W. Stockwell company; 9-10, Glassnobile minstrels; 10-11, Silvertown Cord dance orchestra; 11-12, Ray West's Coccanut Grove dance orchestra; 11-12, Ray West's Coccanut Grove dance orchestra; 11-12, Ray West's Coccanut Grove dance orchestra; 10-11, sudio program; 10-11, Jensen's Varsity Vagabonds program.

dance orchestra; 11-12, Henry Halstead's dance orchestra.

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

program. KWSC, Pullman, Wash. (348.6m-860kc), 7:30-9 p. m., vocal numbers, Mrs. B. L. Robinson; Marion DeCoursey, planist; Margarite McLachlan, violinist.

Tuesday, March 30

Headliners Today

Eastern Central Mountain Pacific 7:30 p. m. 6:30 p. m. 5:30 p. m. 4:30 p. m. WJZ (454.3m-660kc), WRC, WGY, U. S, Marine band. 8 7 8 7 WBZ (333.1m-900kc) Excerpts, "Oblio," unknown | Cery serial |

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

Eastern Time Stations
CNRA, Moncton, Can. (291.1m-1080kc), 8 p. m., Moncton
Firemen's band; 10, CNRA orchestra.
KDKA, Pittsburgh, Pa. (309.1m-970kc), 6:30 p. m.,



dinner concert; 8:30, sacred song half-hour; 9, Polyphonic choir; 11:35, concert, Grand theater. PWX, Havana, Cuba (400m-750ke), 8:30-9:15 p. m., G. E. concert; 9:25-10:10, dance music; 10:20-11, G. E. concert.

WBAL, Baltimore, Md. (245.8m-1220ke), 6:30-7:30 p. m., dinner program; 7:30-8, WBAL quartet; 8-9, musical program; Celia Brace, violinist; George Bolek, planist; James Wilkinson, baritone; 9-10, band concert, U. S. Naval Academy band.

wbz. Springfield, Mass. (333.Im-900kc), 6:45 p. m., Hotel Lenox ensemble; 7:15, Hotel Kimball orchestra; 8, "Oblio," Mrs. E. B. Heywood, soprano; Beatrice Fairbanks, contralto; March Thatcher, tenor; O. Lester Stockwell, bass; Daniel Devens, baritone; Rupert Henry Whitcomb, pianist; 8:45, Max Zides, ukulele player; Kathleen E. Delchanty, pianist; 10:03, WBZ Radio movie club.

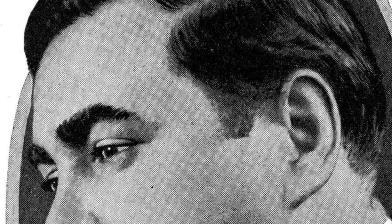
Henry Whitcomb, pianist; 8:45, Max Zides, ukulele player; Kathleen E. Delehanty, pianist; 10:03, WBZ Radio movie club.

WCAE, Pittsburgh, Pa. (461.3m-650ke), 6:30 p. m., dinner concert; 8:10, WEAP; 11, Kenyon theater.

WCAU, Philadelphia, Pa. (277.6m-1080ke), 7:30 p. m., snellenburg choral society; 8:15, the Three Brothers; 8:25, theater digest; 8:35, recital, Virginia Kliein, pianist; 9, Malis' Merry minstrels; 9, Robert Fraser, blind Gospel singer; 10, Sam Gold, murmuring baritone; 10:30, Cathay Tea Garden dance orchestra.

WEAF, New York, N. Y. (491.5m-610ke), 6 p. m., dinner music, Hotel Waldorf-Astoria; 6:45, poetry; 7, Louis Caton, tenor; 7:30, a half hour with American composers; 8, program; 8:30, Gold Dust Twins, WEEI, WFI, WCAE, WGR, WWJ, WOC, WJAR, WCCO, WLIB, WEAR, WSD, WJAR, WCCO, WLIB, WEAR, WSD, WJAR, WCCO, WTAG, WGR, WWJ, WOC, KSD, WJAR, WCCO, WTAG, WGR, WWJ, WGR, KSD, WCAE, WEAR, WTAG; 11-12, Ross Gorman and orchestra, WEEI, New York, N. Y. (272.6m-1100ke), 7 p. m., University society orchestra, direction J. V. Sullivan; 7:45, Sara V. Turits, soprano; 8:15, Blanch and Hugh Ramsauer, duets; 8:30, Jack Gall, pianist; 8:45, Rudolph Joskoyitz, violinist.

WEI, Philadelphia, Pa. (394.5m-760kc), 6:30 p. m.,



Whittall Anglo Persians Orchestra, heard through WEAF and thirteen other stations, Friday evenings at 10 p. m. Eastern time, is under the successful leadership of Louis Katzman, above. To the left is Homer Grunn, one of America's foremost composers and pianists, who plays frequently at KHJ, Los Angeles.

Bellevue Stratford concert orchestra; 7. Bellevue Stratford dance orchestra; 8-11:30, WEAF
WGBS, New York, N. Y. (315.6m-950kc), 7 p. m.,
Arrowhead Inn concert orchestra; 8, Y. M. H. A.
vocational forum; 8:30, Threshold players; 9, Crystal
Palace orchestra; 10:30, Arrowhead Inn orchestra.
WGCP, New York, N. Y. (252m-1190kc), 3 p. m.,
Ora Welsh, planist; 3:30, Isabelle Henderson, soprano; 3:45, Twentieth Century entertainers; 4:10, Max
Heitt, violinist; 4:20, Katherine Adolph, soprano;
4:30, Leslie McLeod, tenor; 4:45, Ukulele Bob Mc
Donald.

Donald.

WGHB Clearwater, Florida (266m-1130kc), 6:30-7:30
p. m., Crocker and his Gater orchestra; 7:30-8, Caroline Lee and lee Spanish guitar; 8:30-9:30, Bill Elevan and L. W. Joys "The Realtroubadores"; Florence Arlin, concert soprano; 11:48-1 a. m., WGHB.

Buffalo, N. Y. (318m-340kc), 6:39, p. m., Vincent Lopez Hotel Statler dance orchestra; 8:30, WEAF.

WGY, Schenectady, N. Y. (379.5m-790kc), 6:30 p. m.. Hotel Van Curler orchestra; 7:30, WRC; 9, WGY orchestra; 10:30, Bellinger's society dance orchestra.

Treasureland Neighbors; 6:30, Everglades orchestra; 7, Iceland orchestra; 7:30, Will Oakland's Chateau; 8, people's hour; 9, Loew's Elghty-third Street orchestra; 9:30, Billy Gleason and entertainers; 11:30, Al Raymo's entertainers; 12, Harry Richman and entertainers.

WIP. Philadelphia, Pa. (508.2m-590kc), 6:15 p. m., Nelson Maples, and his S. S. Leviathan orchestra; 8:15, "Oilvet to Calvary" Maunder's Oratorio Senior Choir of Siloam M. E. church; 9:15, features, Penn Athletic club; 10:30, Pagoda cafe orchestra.

WIAR, Providence, R. I. (305.9m-500kc), 7:30 p. m., musical program; 8:95, Madge H. O'Rourke, soprano; 8:30, WEAF; 9, WEAF, WEAF, WIAR, Providence, R. I. (305.9m-500kc), 7:30, p. m., old-time dance orchestra; 7, Tom Bartel's Boys; 9, orchestra.

WIZ, New York, N. Y. (454.3m-660kc), 7:15 p. m., Helen Davis, banjoist; Sidney Keppell, planist; 7:30, WRC; 8:30, The Deltah half hour of romance, WGY; 10, "Devonshire and Cornwall"; 10:30, William Ballyn, sea songs; 10:45, George Olsen's Hotel Pennsylvania grill orchestra.

WLWL, New York, N. Y. (228.3m-1040kc), 9:30 p. m.,

whar, Atlantic City, N. J. (275m-1090ke), 8 p. m., Seaside hotel concert tric; 9, concert.

WHAN, New York, N. Y. (361.2m-380ke), 6 p. m., Hotel Lafayette orchestra.

WLWL, New York, N. Y. (265.3m-1030kc), 6:15-7:15 p. m., Hotel Lafayette orchestra. WLWL, New York, N. Y. (288.3m-1040kc), 9:30 p. m., Premier male quartet; 10:15, Premier male quartet.

High Lights of the Week

LTHOUGH the aroma of resin A will be absent, those tuned in on WIP, Philadelphia, Saturday night will have ringside seats when the amateur leather pushers ex-change blows for the Junior National

change blows for the Junior National Boxing championships.

Martha Attwood, who has appeared in all the large opera houses in Europe and who last winter gave a special concert for ex-Queen Sophie of Greece, will be one of the artists to appear during WPALIS thing Supto appear during WBAL's third Sunday evening artists program. With her is appearing Oliver Denton, a brilliant young pianist who has also made a name for himself abroad. The Atwater Kent stars of the evening are Richard Bonelli, baritone, and Helen Stanley, soprano. One Sunday feature which should not be forgotten is the production of "The Dancing Princess" by the Dartmouth players at WBZ.

Among the Monday features are

Among the Monday reatures are the Scotch folk music at KTHS which reveals the simple spirit of the Scotch peasant, the sophisticated modern jazz music of the Manhattan quartet at WJZ and the college songs

of the WHAZ Campus serenaders. of the WHAZ Campus serenaders.

There is not a trick left for the banjo or guitar player when the Ararat Temple Shrine serenaders get through with a program at WHB, Kansas City. Their return engagement for this week is scheduled for Tuesday. This is a headliner no fan should miss.

one of the "Radio Franks" who appeared frequently at WEAF, WJZ and WJY, has left the little circle to and Woll, has left the fittle circle to tour stations in the United States and Canada. This Frank's last name is Wright and he will begin his travels at WSAI on Wednesday.

Thursday is April 1 and one station, WLW, plans an hour of April Foolishness. The other stations do not mention special programs for this day but fans should be on the lookout for practical jokes over loud-speakers.

Many stations have planned to give. Many stations have planned to give the oratorio "Seven Last Words" of Good Friday. Among these is Words Hartford. KGO will also give 'Darkest Hour." Boy Who Disc day's feature

GOOD FRIDAY CANTATAS TO BE SU

chestra; 7, lullaby time, Ford and Glenn; 7:15, Maurie Sherman's College Inn orchestra; 7:30-7:55, Henry Purmort Bames in Elgar program.

WLW, Cincinnati, Ohio (422.3m-710kc), 6 p. m., Norrine Gibbons, entertainer and her girl friend; 6:30, Mary Barbara, the marvelous voice of mysterious age; 7:30, piano memories, Mary Louise Woseczek; 8, old-time review, Crosley Burnt Corkers; 9, Formica Symphony orchestra; 10, dance music, Castle Farm.

WMAQ, Chicago, III, (447.5m-670kc), 6 p. m., Chicage theater organ; 6:30, Hotel LaSalle orchestra; 8, announced; 8:40, musical program; 9:20, program; 9:55, chimes.

CLASSICAL CONCERTS INDEX

Saturday, March 27
Eastern Central Mountain Pacific 6 p. m. 5 p. m. 4 p. m. 3 p. m.

WCX, WEAF, WMCA, WEEO. 7
KGO, KYW, WEAR, WENR, WMAQ, WNYC, WOAW, WOK, WEC. 8
7
KDKA, KFNF, KOIL, KSD, KYW, WBBR, WGN, WHBB, WNYC, WOAW, WQJ. 9
KFOA, KPRC, KHJ, KYW, WHAS, WIP, WLW, WORD, WSAI, WSOE, 10
9
8
7
KFOA, KPRC, KHJ, KYW, WHAS, WIP, WLW, WORD, WSAI, WSOE, 10
9
8
7 10 9 WSAI, WSOE.
(NX, KYW, WEAF, WMAQ, WMC, WOAW, WOC, WORD.

11 10 9 8 KGO. 11 12 m WOAW.

Sunday, March 28 Central Mountain 5 p. m. 4 p. m. 6 p. m. 5 p. m. 4 p. m. 3 p. m. WCAU. 7:20 6:20 5:20 4:20 WCAE, WCAU, WEAF, WEAR, WEEI, WJAR, WTAG, WYJ. 8 7 6 KYW. WAMD, WEZ, WEAR, WGS, WGCP, WKAQ, WLS, WORD. 9 8 KFDM, KPRC, KSD, WBZ, WCAU, WCDD, WCCO, WEAR, WGY, WHAR, WHT, WNYC, WGJ. 9:15 8:15 7:15 6:15 WEEI, WJAR, WTAG. 10 8 7 KHJ, KNX, KTHS, KYW, WCCO, WFAA, WNYC, WOC, WGJ, WSOE. 11 10 9 KFVE, KHJ, KNX, KPO, KTHS, KYW, WHN, WKRC, WOC, 12 m 11 10 9 KHJ, KNX, WOC, 14 m. 12 m 11 10 KNX. Monday, March 29

Eastern Central Mountain Pacific 6 p. m. 5 p. m. 4 p. m. 3 p. m. KGO, WCX, WEAF, WMCA, WREO, WWJ. 7 KMA, WCCO, WEAF, WEAR, WHAD, WJR, WOAW, WOK. 8 FNF, KSD, WBBR, WZ, WCAU, WCX, WHAR, WHT, WJAR, WJAR, WLW, WMBB, WTAG, 9 8 7

WSAI. 12 m 11 KGW, WBAP, WSAI. 1 a. m. 12 m 11

Tuesday, March 30 Eastern Central Mountain Pacific 6 p. m. 5 p. m. 4 p. m. 3 p. m. WBZ, WCX, WEAF, WMCA, WREO, WWJ. Pacific KGO, KMA, WEAR, WEBJ, WGBS, WHAD, WJR, WMAQ, WOAW, WOK, WOR, WTIC, WWJ. 8 7 6 5
KFNF, KSD, KYW, WBZ, WCAE, WCAU,
WCX, WEAR, WEEI, WGR, WHAR, WHT,
WLS, WMBB, WQJ, WRC, WTIC.

Wednesday, March 31
Eastern Central Mountain 4 p. m.
WCX, WEAF, WMCA, WREO, WWJ.
7 6 5 5
KGO, WEAR, WHAD, WJR, WMAQ, WOK, WTIC. KGO, WEAR, WHAD, WJR, WMAQ, WOK, WTIC.

8 TO 5
KFNF, KPRC, KSD, KYW, WAMD, WEZ, WCX, WEAF, WEEL, WHT, WLW, WMBB, WMCA, WOJ, WTAG, WWJ.

9 KFOA, KGO, KPRC, KSD, KYW, WBZ, WCCO, WDAF, WEEL, WGR, WHAD, WHAS, WJAR, WMAQ, WOR, WOS, WORD.

10 SKFMX, KMA, KNX, KTHS, WAMD, WCAF, WEEL, WGR, WHAD, WJAR, WLS, WMAQ, WNYC, WOC, WSOE.

11 10 SKGW, KFO, WKAL, KTHS, WCAE, WLS, WMAQ, WNYC, WGC, WSOE.

11 10 SKGW, WHAD, WJAR, WLS, WLW, WOC, WSAI.

12 m 11 10 9

KGW, KPO, WHAD, WLW,
1 a, m. 12 m 11 10 Thursday, April 1
Eastern Central Mountain Pacific 6 p.m. 5 p.m. 4 p.m. 3 p.m.
WBZ, WCX, WEAF, WIP, WMCA, WREO, WWJ.

Eastern Gentral Mountain Pacific
9 p. m.
KFDM, KFOA, KGO. KHJ, KLDS, KYW,
WCAE, WCBD, WCCO, WEAF, WEEI, WGR,
WHAS. WJAR, WLW, WMAQ, WOC, WORD,

WTAG.

10 9 8 7

KFAB, KFDM, KFUO, KMA, KNX, KPRC, KTHS, WCAE, WCCO, WEAF, WEAR, WE11, WLW, WMCA, WOC, WSAI, WSOE, WTAG.

11 10 9 8

KGO, KHJ, KMA, KYW, WSAI.

12 m 11 10 9

KPO, KYW, WHO, WMC.

WWJ.

7
KGO, KSD, WEAF, WEAR, WGBS, WHAD, WJR, WMAQ, WOAW, WOK, WWJ.

8
KYW, WBBR, WBZ, WCAU, WCCO, WCX, WEAR, WEEL, WGR, WGY, WHAR, WHT, WLS, WLW, WMBB, WOAW, WQJ, WTAG, WTIC. WILL, 9 8 7 6
KHI, KLDS, WBAP, WCAE, WCAU, WCBD, WCCO, WEAF, WEEI, WGR, WHAR, WHAR, WJAR, WJAR, WYS, WYG, WOC, WORD, WRC, WSAI, WSB, WTAG.

10 8 8 7

WSB, WTAG.
10 9 8 7
KNX, KPRC, KTHS, KYW, WAMD, WGR, WGY, WHAD, WMC, WOW, WOC, WSAI,
11 10 10 9 8
KGO, KPO, KTHS, WBAP, WKRC.
12 m 11 10
KGW, KPO, WHO, WKRC.

KGW, KPO, WHO, WKRC.

Friday, April 2

Eastern Central Mountain Pacific 6 p. m. KGO, WCX, WMCA; WREO, WWJ.

KGO, WCX, WMCA; WREO, WWJ.

KGO, WEBJ, WGY, WHAD, WJR, WMAQ, WOK, WOK, WOR, WTIC.

KYW, WAHG, WAMD, WBZ, WCAU, WCAU, WCX, WEBJ, WEEI, WHT, YLS, WQJ, WWJ.

KYW, WAHP, WEZ, WCAU, WDAF, WEEI, WHAD, WJAR, WMAQ, WMCA, WSAI.

KYW, WAAP, WEZ, WCAU, WDAF, WEEI, WHAD, WJAR, WMAQ, WMCA, WSAI.

KYM, WBAP, WEZ, WCAU, WDAF, WEEI, WHAD, WJAR, WMAQ, WMCA, WSAI.

KYM, WBAP, WEZ, WCAU, WDAF, WEEI, WHAD, WJAR, KOA, WCCO, WHAD, WMAQ, II 10

KFMX, KHJ, KNX, KPO.

12 m 11 10 9

KYW, Chicago, III. (536m-560ke), 6-6:30 p. m., dinner music; 6:30-7, Congress hotel dinner concert; 8-9, musical program, Congress hotel; 9, an hour of music; 10-11, evening at home program; 12-1 a. m., Insomnia club.
WBAP, Fort Worth, Texas (475.9m-630ke), 6 p. m., dinner music; 7:30, Odd Fellows; 9:30, Kentucky club.

dinner music; 7:30, Odd Fellows; 9:30, Kentucky club.

WCBD, Zion, III. (344.6m-870kc), 8 p. m., Zion choir; clarinet quartet.

WCCO, Minneapolis-St. Paul, Minn. (416.4m-720kc), 7-9:30 p. m., WEAF; 10:05, "A Step on the Stairs." WDAF, Kansas City, Mo. (385.6m-820kc), 6-7 p. m., the Trianon ensemble; 11:45, Nighthawk frolic.

WGBF, Evansville, Ind. (236.1m-1270kc), 8 p. m., Evansville Journal program; musicale.

WGES, Oak Park, III. (250m-1200kc), 8-9 p. m., classical concert; 11-1, frolic.

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

WHAD, Milwaukee, Wis. (275m-1090kc), 6:15-10 p. m., artists' series.

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

WHAD, Milwaukee, Wis. (275m-1090ke), 6:15-10 p. m., artists' series.

WHAS, Louisville, Ky. (399.8m-750kc), 7:30-9 p. m., Royal Peacock orchestra; Mrs. Edwin Horn, contralto. WHB, Kansas City, Mo. (365.6m-820kb), 7-7:45 p. m., dinner concert, Linwood theater; 8-10, feature program, Ararat Temple Shrine seronaders; F. Kammer, tenor guitar; O. Anderson, banjo-mandolinist; H. Copeland, tenor banjo; W. Miller, harp guitarist. WHO. Des Meines, lowa (526m-570kc), 7:30-8 p. m., the Raleigh quintet; 8-9. Bedford band; 11-12, the Bankers Life corn sugar orchestra.

WHT, Chicago, III. (399.8m-750kc), 12 noon, Al Carney's complimentary organ recital; 6 p. m., dinner organ recital, Al Carney; 6:40, Grayling's string trio; 6:50, Diamond quartet, Loftis; 9:15 (238m-1260kc). Cinderella cafe orchestra; 9:35, Kitchen Klenzer entertainers; 9:50, popular song selections, W. Enlos Simmons, S. W. Henslee.

WIBO, Chicago, III. (225.4m-1130kc), 6-8 p. m., dinner concert; Chester Newman, bartlone; Bernice Taylor, soprano; Charlotte Edwards, contralto; Eugene Wallenius, baritone; Ruth Buhl Flick, reader; Helen Colar, planist; string trio; 12, jamborec; Dan Russo, violinist; Ted Fiorito, planist; stonges, artists.

WIAZ, Chicago, III. (322.4m-930kc), 9-1 a. m., diversi-

emus, barttone; kath Buni Flick, reader; Helen Collar, planist; string trio; 12, jamborec; Dan Russo, violinist; Ted Florito, pianist; songs, artists.
WIAZ, Chicago, III. (322.4m-930kc), 9-1 a. m., diversified studio and dance program. Chez Pierre.
WIJD, Moossheart, III. (370.2m-810kc), 12-1 p. m., Palmer House symphonic players; Palmer House trio; 2-3, Howard L. Peterson, organist; 4-5, music, Mooseheart children; 5:39-7, Jack Nelson; Palmer House symphonic players; Palmer House Victorians; Howard L. Peterson, organist; 8-9, children; 10-11, Garod studio; Rushmore ensemble singers; Palmer House Victorians; 12:30 a. m., Knights of the Burning Candle.

Victorians; 12:30 a. m., Khighis of the Duthing Candle.

WKRC, Cincinnati, Ohio (325.9m-920ke), 10 p. m., Alrinko K. C. Chief and his Hotel Alms orchestra; 10:30, organ rectal, Eugene Perazzo; 11, Doc Howard's Cuvier-WKRC entertainers; orchestra and male quartet.

WLIB, Chicago, III. (302.8m-990ke), 7:30-8 p. m., WbAP; 14:11:20, Correll and Gosden; 11:20-1_a. m., studio ensemble, dance music, harmony duos, which will be consemble the state of the control of the contr

nounced; 8:40, musical program; 9:20, program; 9:55, chimes.

WMBB, Chicage, III. (250m-1200kc), 7-8 p. m., Trianon ensemble, Genevieve Burnham, operatic soprano; 9-11, orchestra; Joe Warner, character songs; Eddie Matts and Billie Donovan, Oxford girls.

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

WOAW; Omaha, Ncb. (526m-570kc), 6 p. m., Hugo G. Heyn, xylophonist; Emil B. Hoffman, pianist; 6:50, orchestra; 9, deluxe program; 10:30, Herb Feierman and his orchestra; 12, Rialto theater alarm.

WOG, Davenport, towa (485.6m-620kc), 7-7-30 p. m., WEAF; 7:30-8, WEAF; 8-9, WEAF; 9-9:30, WEAF;

Here are the WLW players On the Stairs." Left to r Aunt Helen; Barclay Shiel Williams, Frederick Ardw Williams; William Isaacs, rises on the next thrilling ning. Another Radio star mystery play is Mayy Har ning. Another Radio star mystery play is Mary Har of the KGO group giving Helen Stanley, soprano, wh Atwater Kent hour o

10:30-11:30, Hall M. Macklin's orchestra; Little

10:30-11:30, Hall M. Macklin's orchestra; Little Jack Little.

Jack Little.

Work, Chicago, Ill. (217.3m-1300kc), 4:30-7 p. m., Capitol theater organ; Pat Hoster, tenor; 10-1:30 a. m., dance music; Husk O'Hare's orchestra; Capitol theater program; Pat Hoster, tenor; 10-1:30 a. m., Roche's Radio stores, presentation; 10-11. Regent Little Symphony orchestra; 11-12, Bill Dallavo and his orchestra.

WORD, Batavia, Ill. (275.1m-1090kc), 7 p. m., program; 9, program; 12-11:45, program.

WQI, Chicago, Ill. (447.5m-670kc), 7-8 p. m., Ralph Williams and his Rainbo Garden orchestra; Fontella trio; Sheppard Levine, tenor; Leo Miller, violinist, Milton Sherman, planist; 10-1 a. m., Ralph Williams and his Skylarks; Jerry Sullivan; Rose Vanderbosch, soprano and planist; Evrett Opie, reader; Ila Shannabrook, soprano; Harold Olson, baritone; Romo Vincent, bartione; Tell 'Taylor, tenor; 1-2, Ginger hour.

WSAI, Cincinnati, Ohio (325.9m-920kc), 5:30 p. m., twilight musicale; 7, Mabley and Carew orchestra; 8, WEAF; 9, WEAF; 9:30, studio concert.

WSBA, Hanta, Ga. (428.3m-700kc), 8 p. m., Lyon and Healy de luxe concert; 10:35, program, Charles Maddox, WSM, Nashville, Tenn. (282.8m-1060kc), 10 p. m., Beasley Smith's orchestra.

WOOE, Milwaukee, Wis. (245.8m-1220kc), 8 p. m., "Passion Week" service, M. E. church; 9:15, classical musical program.

Mountain Time Stations

Mountain Time Stations
Calgary, Can. (435.8m-688kc), 8 p. m., studio

GFAC, Calgary, Can. (435.8m.-688ke), 8 p. m., studio program.

KFWA. Ogden. Utah (260.7m.-1150ke), 6-7 p. m., Seotch. Melodies; 7-7:30, male chorus; 7:30-9:30, varied program, Weber Normal college quartet, Leonard Sisters; C. Lewis, soloist; Ed Koller, zither soloist; 9:30-10:30, Kemmerer orchestra; 10:30-11:30, popular banjo, vocal and plano selections, Ofic Reeves, Berthana orchestra; Claire Anderson, organist; 11:30-1 a. m., KFWA Junior orchestra.

KFXF, Colorado Springs, Colc. (250m-1200ke), 8:30 p. m., harp soloists.

KOA, Denver, Colc. (322.4m-930kc), 6:30 p. m., Brown Palace string orchestra; 8:30, Radio mystery serial, "A Step On the Stairs," KOA players.

Pacific Time Stations

CNRR, Regina, Can. (476m-640kc), 8:30 p. m., Melntyre string quartet; Dories Menthyre, cellist; Alan McIntyre, violinist; Margaret Melntyre, violinist; Margaret Melntyre, violinist; Margaret Melntyre, violinist; Mrs. C. McLean, soprano; 10:30, Cabaret Belmont; Bebe Mullar, soprano.

KFI, Los Angeles, Calif. (467m-642kc), 5:30 p. m., Charles Beauchamp, tenor; 7-8, American-Hawaiian quartet; 8-9, Seren Artists string quartet; Jean Hayden, soloist; 9-10, Paul Roberts, Leslie Adams in piano selections; 10-11, Packard Radio club, KFON, Long Beach, Calif. (232.4m-1280kc), 6-6:30 p. m., Brayton's theater organ; 7-8, Nichols and Warner program; 8-9, Fress-Felegram studio; 9-11, Long Beach, Calif. (232.4m-1280kc), 8-9, Patrick

warner program; 8-9, Press-Telegram studio; 9-11, Long Beach Aero Club Hi-Jinks. (FWB, Hollywood, Calif. (252m-1190kc), 8-9, Patrick and Marsh dance orchestra, Betty Patrick, soloist, 9-10, program, Alexandria Tailors; 10-11, Warner Brothers frolie.

Brothers frolic.

(GO, Oakland, Calif. (361.2m-830kc), 6-6:55 p. m., twilight concert; 8-9, Eveready program; Arthur Argiewicz, violinist; Lev Shorr, accompanist; Sierra mixed quartet; 9:10-9:30, Ricketty, Racketty minstrels; 10-12, Girvin-Deuel's California Collegians, dance orthestra

strels; 10-12, Girvin-Deuel's California Collegians, dance orchestra.

KGW, Portland, Orc. (491.5m-610kc), 6-7 p. m., dinner concert; 8-10, music, Allicia McElroy quartet; 10-12, dance music.

KHJ, Los Angeles, Calif. (405.2m-740kc), 8-10, program, Builders' Finance association.

KJR, Seattle, Wash. (384.4m-780kc), 8:30-10 p. m., Puget, Sound, Savings, and Loan association orchestra.

KMTR, Hollywood; Calif. (238m-1260kc), 6-7 p. m., Starr Plane company sindie; 8-10, KANTR ceneer, or
Rieseffs.

KNX, Hollywood, Calif. (336.9m-890kc), 5:30 p. m., Leighton's cafeteria orchestra; 6:30-7, Atwater Kent concert orchestra; 7-7:45, program, Roy L. Donley, Inc.; 8-9, program, Globe Ice Cream and Weber bread; 9-10, program, Western Auto Supply company; 10-12, movie night at the Ambassador, Ray West's Coconnut Grove dance orchestra.

KPO, San Francisco, Calif. (428.3m-1000kc), 6:30-7, p. m., States restaurant orchestra; 8-9, Winifted Curry, pianist; George Bossert, baritone; 9-10, Gypsy and Marta, harmony team; 10-11, Palace hotel dance orchestra; 11-12, Henry Halstead's orchestra.

KPSN, Pasadena, Calif. (315.6m-950kc), 8-9 p. m., Adolf Tandler instrumental group, KTAB, Oakland, Calif. (239.9m-1250kc), 8-10 p. m., program, Mills college.

Wednesday, March 31

Headliners Today

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

Eastern Time Stations

Eastern Time Stations

CNRO, Ottawa, Can. (435.8m-688ko), 8 p. m., Chateau Laurier concert orfenestra; 9, performance of Dr. Hartman's "Seven Last Words of Christ," Hull Choral society; Chateau Laurier dance orfenestra.

KDKA, Pittsburgh, Pa. (309.1m-970kc), 6:30 p. m., concert; 8:30, instrumental quartet; Will Rhodes, tenor.

PWX, Havana, Cuba (400m-750kc), 8-9 p. m., City of Havana band; 9:10-10:10, City of Havana band.

WAHG, Richmond Hill, N. Y. (315.6m-954kc), 7:45 p. m., studio program; 8:15, Serenaders plectrum quintet; 9, Raymond Maher, baritone; 9:15, Old Fashioned quartet; 10:02, studio program.

WBZ, Springfield, Mass. (333.1m-990kc), 6:30 p. m., Hotel Kimball orchestra; 6:45, Hotel Lenox ensemble; 7, Hatel Kimball archestra; 19, WHM someert companies.

DAN Centra

Centra
Saturday,
S. Wir.
S. 30. Wfaa;
S. 9. Weba;
Wnye, Wrea,
Wip; 9:30,
Wor, Wrea,
Kfwa, Koa,
Wgn, Wir,
Whye, Wor,
Wan; 10
10:30,
Wils; 11,
Kfwb, Khoa,
Wgbu, Who
Wgbu, Who
Mgbu, Who
Mghu, Who
Mghu, Who
Mghu, Who
Mghu, Who

Wgbu, Wjjd Menday, I Wgep; 9, Wjar, Wor; 10, Kths, Wgr, Wnyse, Wor; 10:30, Whn; 11, Wgbu, Wgq Who; 11:48, Knx, Kpo. Tuesday.

Thursday, 8, Wjr; 9, W g b u, W mbb, Wsa Wbz, Wip; Wgy, Whn 10, Kths, Wgbu, Whn Wqj; 10:36 Webh, Wgl 11:45, Wd Khj, Khx,

Friday, Wwj; 9, Weci, W Wmbb; 9:1 Wcau, Wh Kpo, Kths, Whn, Wgr

Tuesday, March 30

WMCA, New York, N. Y. (340.7m-880ke), 6 p. m., Hotel McAlpin string ensemble; 6:30, Parody orchestra; 7, Twin Oaks orchestra; 7:15, Arthur West's Sirens; 8, Pace institute program; 8:30, Poslam Hawatians; 10, Creole Foliles; 10:30, Tango orchestra; 11, Ernie Golden and Hotel McAlpin orchestra; 12, MoAlpin entertainers.
WNYC, New York, N. Y. (526m-570ke), 7:10 p. m., The Canadians; 7:35, The Canadians; 8, studio features.

WNVC, New York, N. Y. (326m-370ke), 7:10 D. m., The Canadians; 7:35, The Canadians; 8, studio features.

WOO, Philadelphia, Pa. (508.2m-590ke), 7:30 p. m., Adelphia French Room orchestra.

WOR, Newark, N. J. (405.2m-740ke), 6:45 p. m., studio program; 7:15, Copenhagen quartet.

WPG, Atlantic Gity, N. J. (299.8m-1000ke), 6:45 p. m., organ recital, Arthur Seott Brook; 7, Hotel Morton dinner music; 7:30, Elks Home dinner music; 8:15, Plaza hotel artists; 8:45, Spanish program; Estelle Newman, reader; 9, Chalfonte-Haddon Hall dual trie; 10, Hotel Traymore Grill orchestra; 10:30, Karl Bonawitz, recital; 11, Silver Slipper Supper club orchestra.

WRC, Washington, D. C. (408.5m-640ke), 7:30 p. m., U. S. Marine band orchestra, WZC, WGY; 10:30, W. Spencer and his Hotel Maxflower orchestra.

WTAG, Worcester, Mass. (267.7m-120ke), 8-9 p. m., conect. 9-10, WEAF; 10:30-11, WEAF;
WTAM, Cleveland, Ohio (389.4m-770kc), 6-7 p. m., Royal Canadians.

WHJ. Detroit, Mich. (352.7m-850kc), 6 p. m., dinner concert; 8, WEAF.

Central Time Stations

KFNF, Shenandeah, lowa (263m-1140ke), 7 p. m., concert.

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

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

KHRU, Columbia, Mo. (4499./m-6000kc), 6:15 p. m., dinner music.

KLDS, Independence, Mo. (440.9m-680kc), 8:15 p. m., sextet; 8:30, concert, Mrs. Otto Grosse, contrallo; Mrs. Melvin Shearer, organist; Dorothy Colt, violinist; Joyce Andrews, violinist; Dorothy Colt, violinist, Shenandoah, Iowa (252m-1190kc), 6-7 p. m., May Flower trio; May's Flower Lady, Lina Ferguson; 9-11, May's mandolin musiclans.

KMOX, St. Louis, Mo. (280.2m-1070kc), 6 p. m., organ recital, Arthur Ut; 6:30, organ recital, Mrs. Jaques Landree; 7, orchestra; Little Red School House; Stuart MacComnell, baritone; 8, David Cohen, baritone; orchestra; Xenia quartot; 9, duets, sopranos, contralto, Mrs. J. Symons, Mrs. A. Lawson; 10, popular dance music.

Houston, Texas (296.9m-1010ke), 7:30 p. m., studio concert.

ouis, Mo. (545.1m-550ke), 7 p. m., WEAF.

Springs Nation Park, Ark. (374.8m-800ke),

m., Eastman hotel or the selections. Elizabeth selections. Elizabeth speet. New Arthur-

neert, New Arling ** \$ 16 m.,

UNG THIS WEEK AT MANY STATIONS



ANCING

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day, March 27:
, Wnye, Wpg;
Vfaa; 8:35, Wgy;
h, Weei, Wmbj,
Wree; 9:10, Kths,
:30, Kths, Wgbs,
Wre; 10, Kfve,
Koa, Kpo, Weaf,
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10:45,
1, Kfpg, Kfwa,
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11:45, Wdaf; 12,
Kgo, Kgw, Knx,
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uy, March 29: 8,
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Vor; 9:15, Wahg;
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ay, March 30:
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Wsb; 11, Kgw,
/gbu, Whn; 11:30,
11:45, Wdaf; 12,
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ssday, March 31:

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sday, March 31;
c, Webh, Wgbu,
Vlm, Who, Wmbb,
, Wtici, 9:15,
5:30, Wbap, Who,
, Kfve, Wbap,
Vgbu, Wgcp, Wdi;
Wcco; 10:30,
Whn; 11; Koil,
Web h, Wgbu,
Vgr, Whn; 11:45,
12, Kfwa, Knx,
jjd.

lay, April 9, Webb. V 9, Webh, Weei, Whn, Wjr, Wsai, Wtag; 9:05, Wsai, Wiag; 9:05, dp; 9:30, Wgbs, dp; 9:30, Wgbs, dn; 9:35, Wnye; s, Wbbm, Weaf, Vin, Winea, Wpg, 1:30, Kths, Whn, Weg, Wahf; 12, Kgo, ax, Kpo, Wijdd, April 2: 8, b, Wex, Webh, Wg bu, Wgeo, 9:15, Wahg; 9:30, Whn; 10, s Kfve, hs, Wgbu, Wgon, Vgr, Wqi, 10:05,

WCAE. Pittsburgh, Pa. (461.3m-650kc), 6:30° p. m., dinner concert; 8. WEAF; 8:20, WEAF; 9, choir ensemble; 10, Kramer's orchestra.
WCAP, Washington, D. C. (468.5m-640kc), 7-11 p. m., U. S. Navy band concert orchestra; WEAF,
WCAU, Philadelphia, Pa. (277.6m-1080kc), 6:45 p. m., Parodians dance orchestra; 8:10, Kane's Musical Night Adventures; 9, recital; 10, concert; 10:30, Carl Zoehrns and Lou Herscher, songs; 10:45, Frank Cook, old-time songs; 11, Artie Bittong's Cheer-up club.
WEAF, New York, N. Y. (491.5m-610kc), 6 p. m., dinner music, Waldorf-Astoria hotel; 7, synagogue services; 7:30, elamber musicale, WJAR, WOG; 8, Shinola Merrymakers and the Two-in-One Boys 8:30, Davis saxophone odet, WOG, WCAE, WSAI, WTAG, WELI, WGR; 9, Ipana Troubadours, WELI, WCAP, WYJ, WCCO, VGR, WSAI, KSD; 10, "Alice In Wonderland," direction Mrs. Clare Tree Major; 11-12, Hotel Commodore orchestra.
WEBJ, New York, N. Y. (272.6m-1100kc), 8 p. m., Al's Collegians, direction A1 Horwitz; 8:45, Thomas Prytherth, Welsh tenor; 9, Carrie Colen, concert planist; 9:15, Lew Kimless and his Cliff Crest society orchestra; Stella Goldman, planist.
WEEL, Boston, Mass. (348.6m-860kc), 6:13 p. m., Joe Rines and his Hunters' Cabin orchestra; 7:30, Mrs.

orchestra; Stella Goldman, planist.

WEEI, Boston, Mass. (348.6m-860kc), 6:13 p. m., Joe
Rines and his Hunters' Cabin orchestra; 7:30, Mrs.
Arthur Brooks; 8-9, WEAF; 9, WEAF.
WFI, Philadelphia, Pa. (394.5m-760kc), 6:30 p. m.,
Bellevue Stratford concert orchestra; 7, Bellevue
Stratford dance orchestra.
WGBS, New York, N. Y. (315.6m-950kc), 6:30 p. m.,
Jersey Collegians.
WGCP, New York, N. Y. (252m-1190kc), 3 p. m.,
Charles Phillips, planist; 3:20, Bobby Grey, songs;
4, Hugo Augelo, tenor; 4:30, Tracey and Mohr, enter
tainers; 7-8:30, Woodbridge, N. J., night.
WGHB. Clearwater, Fia. (266m-1130kc), 6:30-7:30

4. Hugo Angelo, tenor; 4:30, Tracey and Mohr, entertainers; 7-8:30, Woodbridge, N. J., night.

WGHB, Clearwater, Fla. (266m-1130ke), 6:30-7:30 p. m., Graham Princes orchestra; 7:30-8, Caroline Lee; 8:30-9:30, Realtroubadores; Florence Arlin, soprano; 11:45, Graham Prince's orchestra.

WGR, Buffalo, N. Y. (319m-940kc), 6:30 p. m., 20th Century orchestra; 8, WEAF; 10, Frank Oliver and associates; 11, Peezee orchestra.

WGY, Schenectady, N. Y. (379.5m-790kc), 7 p. m., dinner program; 8:05, musical program.

WHN, New York, N. Y. (361.2m-380kc), 6 p. m., people's hour; 7, Loew's Lexington organ recital; 8, Vogue entertainers; 9, Loew's New York orchestra; 9:30, Daven Radio entertainers; 10, Roseland dance orchestra; 10:30, Anatol Friedland; 11, Silver Slipper orchestra; 12, Cotton club orchestra.

WIP, Philadelphia, Pa. (508.2m-590kc), 6:05 p. m., Benjamin Franklin concert orchestra; violin solo, Thomas Moore; piano solo, Julia Moore, WJAR, Providence, R. I. (305.9m-5500kc), 7:30 p. m., musicale; 8, WEAF; 9, musical program; 10, WEAF, WJR, Pontiac, Mich. (516.5m-530kc), 7 p. m., Petite symplony orchestra; 1:1, organ; 12, Jewett Radio Jesters.

WIZ, New York, N. Y. (454.3m-660kc), 7 p. m., Hotel

Jesters, WJZ, New York, N. Y. (454.3m-660kc), 7 p. m., Hotel VIJZ., New York, N. Y. (494-3m-bouke), 7 p. m., Hotel Commodore concert crehestra; 7:45, New York university; 8:15, Zoological society series; 8:30, Lewissoln free chamber music concert; 10:45, George Olsen's Hotel Pennsylvania grill orchostra. Hotel Pennsylvania grill orchostra. WILIT, Philadelphia, Pa. (394-5m-760kc), 8:15 p. m., recital; 10, Areadia cafe dance orchestra. WLWI, New York, N. Y. (288-3m-1040kc), 9:15 p. m., Carr's chamber music; 9:45, McEray's concert; 10:45 p. m., sougs.

Carr's chamber music; 9:45, McEray's concert; 10:49 p. m., songs.
WMAK, Buffalo, N. Y. (265.3m-1130kc), 7:30-8 p. m.,
W. J. Saunders, organist; 8-9, Hunt Avenue Baptist church; 9-10, Ellizabeth Rappelaye and friends.
WMCA, New York, N. Y. (340.7m-880kc), 6 p. m., Olcott Vail and Hotel McAlpin string ensemble; 6:30, Ernie Golden and Hotel McAlpin orchestra; 8:30, mass meeting of American Federation of Labor; 10, Creele Follies; 10:30, Parody orchestra; 11, Hofbrau Haus entertainers; 11:30, Jack Denny's orchestra; 12, McAlpin entertainers;

Mer York, N. Y. (526m-570kc), 5:50 p. ni., Varunn's intentiers 6:280, niane selections, 7:25.

Central Time Stations

Central Time Stations

CNRW, Winnipeg, Can. (384.4m-780kc), 7:50 p. m. musical program, Irvine Plumm and his Fort Garry hotel orchestra; 8:50, second anniversary program; Mrs. J. Dillabough, pianist; Victor Scott, tener; Irvine Plumm, cellist; Mrs. Burton Kurth, contralto; 10, supper dance program.

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

KFRU, Columbia, Mo. (499.7m-600kc), 9-11 p. m., classical program.

KMA, Shenandeah, Iowa (252m-1190kc), 9-11 p. m., songs and clog dancine; Bob and Babe Riddle, Willy Cunningham, the farmer Scotchman, musical program.

KMOX, St. Louis, Mo. (280.2m-1070kc), 6 p. m., Arthur L. Utt, organist; 6:30, Mrs. Jaques Landree, organist; 7, Chamber Music concert; 8, operalogue, "Carmen"; 9, orchestra, song cycle, Kentucky Mountain sones, A. E. Meisenbach; 10, popular dance music.

tain songs, A. E. Meisenbach; 10, popular dance music.

KPRC, Houston, Texas (296.9m-1010kc), 7:30 p. m., Jack Wallrich's orchestra, McMillian's dancing academy; Virginia Wallrich, piano accordionist; 8:30, Frank Tilton, blind planist; 11, West coast screnade.

KSD. St. Louis, Mo. (645.1m-550kc), 7 m., WEAF; 7:30, Hotel Statler orchestra; 8, WEAF. Ark. (374.8m-800kc), 9-9:30 p. m., solo night, Meyer Davis artists; 8:30-9:45, Lawson Reid, organist; 9:45-10, Heartsongs, Violet Belding, contraito; 10-10:45, Southerners orchestra.

songs, Violet Belding, contraito; 10-10:45, Southerners orchestra.

KYW, Chicago, III. (536m-560ke), 6-6:30 p.m., dinner music; 6:30-7, Congress hotel dinner music; 7:30-8, half hour of music; 8-9, musical program, Congress hotel; 10-12, midnight revue.

WAMD, Minneapolis, Minn. (244m-1230ke), 7:10 p. m., classical program; W. E. Peterson, baritone; Ida Sorenson, contraito; Margaret Arnold, planist; 11, Skyrocket frolic.

WCCO, Minneapolis-St. Paul, Minn. (416.4m-720ke), 6 p. m., midweek church service; 7, WEAF; 8, WEAF, 10:05, Marigold Garden dance orchestra.

WCOA, Pensacola, Fla. (222m-1350ke), 7 p. m., music study club.

woud, rensacoia, Fia. (222m-1350kc), 7 p. m., music study club. WDAF, Kansas City, Mo. (365.6m-820kc), 6-7 p. m., the Trianon ensemble, Hotel Muchlebach; 8-10, Handel's "Messiah"; Hardin, Mo., community chorus; play, WDAF players 11:45, Nighthawk frolic, WDAF,

chorus; play, WDAF players 11:30, Nighthawk fronc, WDAF;
WEMC, Berrien Springs, Mich. (265.5m-1050ke), 8:15
p. m., Hoosier male quartet; Kenneth Hagan, violinist; piano duet; Esther Buhalts and Jesse Tanner; Rhea Yeaher, cellist; String quartet.
WGES, Oak Park, III. (250m-1200ke), 8-9 p. m., orchestra; 11-1 a. m., Coyne serenaders.
WGN, Chicago, III. (302.3m-990kc), 6:30-6:45 p. m., Drake concert ensemble, Blackstone string quintet; 6:45, old-time favorites; 6:55-7, "The Million Sing"; 9-10, studio program; 10-10:10, Sam 'n' Henry; 10:10-10:20, old-time favorites; 10:20, play shop; 10:40-11, studio ensemble.
WHAD, Milwauke, Wis. (275m-1090kc), 6:15-7 p. m., Arthur Richter, organist; 10:30-11:30, Wisconsin

r Richter, organist; 10:30-11:30, Wisconsin orchestras; 11:30-12:30, Edmund Fitch, or-

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

WHAS, Louisville, Ky. (399.8m-750kc), 7:30-9 p. m., Eddle Slemer's orchestra.

WHB, Kansas City, Mo. (365.6m-820kc), 7-8 p. m., Milo Finley string trio; banjo and guitar selections. WHO, Des Moines, lowa (526m-570kc), 6-7 p. m., The Bankers Life Little Symphonic orchestra; 7:17-8:15, Irene-Dorans Little Symphony orchestra; 7:17-8:15, Irene-Dorans Little Symphony orchestra; Fort Des Moines hotel; 8:15-9, Kate Miller, whistler; Maude Hughes, accompanist; Dr. and Mrs. H. A. Hurd, Hawaiian guitar duets; Sam Soodhalter and Ben Jordan and Renus Lytle; Three Harmony Kings; Harry Lewis, popular song soloist; 9-12, dance program. WHT, Chicago, III. (399.8m-750kc), 12 noon, Al Carney's complimentary organ recital; 6-7:39 p. m. Genevieve B. Burnham, soprano; Peter Porstner; Howard Will, tenor; Grayling's string trio; Helen Raith, planist; 7:45-9:45. Cinderella cafe orchestra; 9:30, Al Carnes and Pat Barnes; 19:46; Bay-Orvan gaposes,

EDUCATIONAL FEATURES

Monday, March 29
Eastern Central Mountain Pacific
6:30 p. m. 5:30 p. m. 4:30 p. m. 3:30 p. m.
WNYC (526m-570ke) German lessons, V. H. Ber-

WNYC (320m-570kc) German fessons, V. H. Berlitz.

7 6 5
WEAF (491.5m-610kc) Columbia university lecture.
WTAG (268m-1120kc) Science Talk, Fred D.
Aldrich.

8:15 5:15 5:15
KDKA (309.1m-970kc) "What Makes a Good Short
Story," Percival Hunt.

8:30 7:30 6:30 5:30
WSUI (483.6m-620kc) College of the Air.

8:40 7:40 6:40 5:40
KFKU (275m-1090kc) "Medieval History of the
Earth," Dr. R. C. Moore.

9:30 6:30 7:30
WHAZ (379.5m-790kc) Address, Dr. Matthew A.
Hunter.

Hunter.
9:35
KSL (299.8m-1000kc) "The Story of French." Prof.
Walter Kerr.
10
9
KOA (322.4m-930kc) Spanish lesson.
11
10
9
KOA (322.4m-930kc) Voice culture.

economics. WBZ (333.1m-900kc) Journalism, Edward E. Whit-WEAO (293.9m-1020kc) "The Menace of Propaganda," Prof. F. E. Lumley.
7:45 6:45 5:45 4:45
WTAG (268m-1120kc) Worcester Tech's Professor,
8:15 7:15 (809.1m-970c) "Looking Inside the School," Dr. S. B. Davis.
9:05 8:05 7:05 6:05
KFAB (340.7m-880kc) Business English.
WMAQ (447.5m-670kc) lecture, University of Chicago.

Wednesday, March 31

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

WNYC (526m-570ke) Spanish lesson, V. H. Berlitz. 7:30 6:30 5:30 4:30

WBZ (333.1m-900ke) Radio nature league, Thornton W. Burgess.

WMCA (340.7m-880ke) Spanish lesson. 7:40 6:40 5:40 4:40

WTAG (268m-1120ke) Spanish lesson, Mrs. John de la Parra. 7:45 5:45 4:45

WJZ (454.3m-660ke) New York University.

Eastern Central Mountain Pacific 8:15 p. m. 7:15 p. m. 6:15 p. m. 5:15 p. m. 5:30 6:30 5:30 5:30 WEΔO (293.9π-1.020kc) "Petroleum in Venezuela," E. Z. O'Rourke. WSUI (483.6m-620kc) College of the Δir. 9 8 8 7 6 WTIC (475.9m-630kc) "Public Speaking," Prof. W.

WTIC (475.9m-6-690kc) PHOTIC Speaking, Frot. vs. E. Peck. 9:35 8:35 7:35 6:35 KSL (299.8m-10000kc) The history of Spanish, Prof. Lawrence Levin. 10:30 9:30 8:30 7:30 KHJ (405.2m-740kc) Astronomy, Dr. Mars Baumgardt.

gardt.

10 9 8
WSAI (325.9m-920kc) U. of Cincinnati.

Thursday, April 1

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

WKAR (285.5m-1050kc) Nature Study series, 7:45 6:45 5:45

WRC (468.5m-640kc) Smithsonian talk. 8:30 6:30 6:30 5:30

WSUI (483.6m-620kc) Correspondence courses, 9 8 To 6 6

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

10 9 8 7
WMAQ (447.5m-670kc) lecture, University of Chi-

Eastern Central Mountain 6:30 p. m. 5:30 p. m. 4:30 p. m. 8:30 p. m. 4:30 p. m. 8:30 p. m. 4:30 p. m. 8:30 p.

Mayne.
7:35 6:35 5:25 4:35
WGY (379.5m-790kc) French lesson, Leon A.
Huguemont.
7:45 6:45 5:45
WIZ (454.3m-660kc) New York university.
8 7 6
KDKA (309.1m-970kc) University of Pittsburgh

address.
WPG (299.8m-1000kc) "Education of Colored Children in Atlantic City," T. Montgomery Gregory.
10 9 8 7 10 9 8 7 WMAQ (447.5m-670kc) lecture, University of

Chicago. 10:15 9:15 8:15 7:15 WTIC (475.9m-630ke) Cartoon lessons, Bud Kings-

ton.
10:35 9:35 8:35 7:35
KSL (299.8m-1000kc) "The Story of German,"
Prof. B. A. Jacobson.

11:15, Cinderella cafe orchestra; 11:30, Pat Barnes and Al Carney; 12, Pat Barnes and Al Carney.
WIBO, Chicago, Ill. (225.4m-1130kc), 6-8 p. m., dinner concert; Dorothy Rae, soprano; Charles Champlin, baritone; Florence Osterman, contrallo; Earl Bigelow, pianist; string trio; 10-12, popular program; William Molhaire, tenor; songs with uke, Erwin Cornelius; pianist, soprano; Herbert Schlosser, accordionist; string trio.
WIAZ, Chicago, Ill. (322.4m-930ke), 9-1 a. m., dance program, Opera club.
WKRC, Cincinanti, Ohio (325.9m-920ke), 6 p. m., Alvin Roehr and his Hotel Alms orchestra; 8:15, tenor solos, Oliver Plunkett; 9, concert orchestra; 9:40, orchestra.

solos, Oliver Plunkett; 9, concert orchestra; 9:40, orchestra; W.I.B. Chicago, III. (302.8m-990kc), 7:30-7:40 p. m., Audd Sandy; 7:40-8, musical program; 8-9, WEAF; 11-11:20, Correll and Gosden; 11:20-1 a. m., studio ensemble, dance music, hatmony duos.

WLS, Chicago, III. (344.6m-870kc), 6 p. m., Ford and Glenn; 6:30, Maurie Sherman's College Inn orchestra; 7:101laby time, Ford and Glenn; 7:15, Maurie Sherman's College Inn orchestra; 7:30, Armour Institute glee club; Virginia Holland, soloist; 7:45, Ralph Emerson, organist; 8, "Miss Medusa," one-act play; 8:30, George Goforth band; 9, picture concert, Hayd program; 9:30, Better Music hour; 10, Ford and Glenn's music shop; 11-1 a. m., WLS circus, Ruth Etting, George Goforth's band.

WLW, Cincinnati, Ohio (422.3m-710kc), 7 p. m., Robert

Etting, George Geforth's band, WLW, Cincinnati, Ohio (422.3m-710kc), 7 p. m., Robert Visconti's Hotel Gibson orchestra; 8:30 the Clifton Musical club, "Church and Musica'; 9:30, Ferne Schubert, reader; 10-10.39, University of Cincinnati glee club; 10:30-10.45, the Crescendon string quartet; 10:45-11, Ralph Thomas, tenor; 11, the Crosley male quartet; 11:30, Johanna Grosse, organist.

wMAQ, Chicago, III. (447.5m-670ke), 6 p. m., Chicago theater organ; 6:30, Hotel LaSalle orchestra; 8:25, program, Brown University musical club; 9:55, chimes. WMBB, Chicago, III. (250m-1200ke), 7-8 p. m., Trianon ensemble; 9-11, orchestras; Scotty Welch and Madison Sisters, Cecil and Esther Ward, Hawaiian guitar duo; Tracy and Duncan; Billie Allen Hoff.
WOAI, San Antonie, Texas (394.5m-760kc), 8:30 p. m., Army night, Fort Sam Houston.
WCC, Davenport, Iowa (483.6m-620kc), 7-7:30 p. m., WEAR; 9-9:30, Erwin Swindell, organist; 9:30-10:30, musical program, Augustana college.
WOK, Chicago, III. (217.3m-1300kc), 4:30-7 p. m., Capitol theater organ; 10-1:30 a. m., Tearney's Town club orchestra; Capitol theater organ; 10-1:30 a. m., Tearney's Town club orchestra; Capitol theater program.
WOOD, Grand Rapids, Mich. (242m-1240kc), 9-10

O'Hare's orchestra; Capitol theater program.

WOOD, Grand Rapids, Mich, (242m-1240kc), 9-10
p. m., Bill Dallavo and his Regent Roof orchestra;
10-11, Thelma Dykman, Ruth and Pearl, RoseberryHenry's "A B C Washer Tenor," Jim Forshey, John
Higbee, Marion Cusser; 11-12, April Fools program.

WORD, Batavia, Ill. (275.m-1990kc), 7-7:45 p. m.,
program; readings; 9, I. B. S. A service.

WOS, Jefferson City, Mo. (440.9m-860kc), 8:15-10 p. m.,
Camp Fire Girls; readings, Helen Tolson.

WOJ, Chicago, Ill. (447.5m-870kc), 7-8 p. m., Ralph
Williams and his Rainbo Gardens orchestra; Jean St.
Anne. baritone; Christian Grimm, pianist; Agnes
Pringle, violinist; Jessie Pringle, sonrano and pianist;
10-1a, m., Ralph Williams and his orchestra; Melodians; Clarence Theders, tenor; character songs, Joe
Warner; Oxford girls; Gail Bandell; 1-2, Ginger hour,
WSAI, Cincinnati, Onio (325.9m-920kc), 6:30 p. m.,
Frank Wright; 6:45, chime concert, Robert Badgley,
7:30, WEAB; 10:15, studio concert.

WSB, Alianta, Ga. (428.5m-700kc), 10:45 p. m., Bilt
more hotel orchestra.

wsb., Atlanta, Ga. (42-5.mf-100kc), 10:49 p. m., Bilt-more hotel orchestra.

WSM, Nashville, Tenn. (282.8m-1060kc), 6:30 p. m., Francis Craig's orchestra; 8, pupils, Mr. and Mrs. Kenneth Rose; 10, program, string quartet, planists and soloist.

WSOE, Milwaukee, Wis. (245.8m-1220kc), 8 p. m., "Passion Week" service; M. E. church; 9, "Candy-gram" soloists.

Mountain Time Stations

KFWA, Ogden, Utah (260.7m-1150kc), 9-10 p. m., dance music, Olie Reeves and his orchestra; 10-11, Merry Mad Music Makers; 11-12, Olie Reeves and his orchestra. nis orenestra.

KOA, Denver, Colo. (322.4m-930ke), 6:30 p. m., Brown
Palace string 'eochestra; 8, Scheuerman's Colorade
orchestra; 8:35; 'Faith Campbell, Bernico Head, male
quartest 10; Browneer Bhythm Bustlerr,

Pacific Time Stations

KFI, Los Angeles, Calif. (467m-642ke), 5:30-6 p. m., Jim, Jack and Jean trio; 6:30, vest pocket program; 7-7:30-8, Orrebe Synchrophase string ensemble; 7:30-8, Nick Harris' detective story; 8-9, program, Ventura Refining company; 9-10, program, Chevrolet Motor company of California; 10-11, Robert Hurd, tenor. KFON, Long Beach, Calif. (232-m-1280kc), 6-6:30, p. m., Erayton's theater organ; 7-8, studio program; 8-9, Press-Telegram studio; 9-10, KFON artists frolic; 10-11, Oriole orchestra, 7-8, studio program; 8-9, Press-Telegram studio; 9-10, KFON artists frolic; 10-11, Oriole orchestra, KFWB, Hellywood, Calif. (252m-1190ke), 8-9:30, Bill Hatch's orchestra; Lilyan May Challenger, contralto, 9:30-10, Mutual Motors mirth contest; 10-11, Warnet Brothers frolic.

KGO, Oakland, Calif. (361.2m-830kc), 6-6:55 p. m., twilight concert.

KGW, Portland, Ore. (491.5m-610kc), 6-7 p. m., dinner concert; 8-9, Seventh U. S. Infantry band; 9-10, frolic; 10-11, concert.

KHJ, Los Angeles, Calif. (405.2m-740kc), 8-10 p. m., program, the Fraternal Brotherhood.

KJR, Scattle, Wash. (384.4m-780kc), 7-8:30 p. m., Bab's Lady orchestra; 8:30-10, studio program.

KMTR, Hollywood, Calif. (336.9m-890kc), 5:30 p. m., KMTR concert orchestra, Loren Powell, director; Dan Gridley, tenor; 10-11, Starr Piano company studio.

KNX, Hollywood, Calif. (336.9m-890kc), 5:30 p. m., Leighton's cafeteria orchestra; 6:30-7, Atwater Kenf concert orchestra; 7-9, KNX feature program; 9-10, program, Daley's 165 grocery stores; 10-11, dance music; 11-12, Ray West's Cocoanut Grove dance orchestra from the Ambassador.

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

KPO, San Francisco, Calif. (428.3m-1000kc), 6:30-7 p. m., States restaurant orchestra; 7-7:30, Rudy Seiger's Fairmont hotel orchestra; 11-12, Henry Halstead's orchestra.

stead's orchestra.

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

KWSC, Pullman, Wash. (348.6m-860kc), 8-10 p. m., High School Girl's sextet; Dorrothy Hutchison; Ruth Huebner, planist; Margaret Wagner, reader.

Thursday, April 1

Headliners Today

Eastern Central Mountain Pacific 8:15 p. m. 7:15 p. m. 6:15 p. m. 5:15 p. m. 5:15 p. m. 6:15 p. m. 5:15 p. m. 6:18 p. m. 5:15 p. m. 6:30 Williams college musical club. 7:30 6:30 Vetter's entertainers. 8 7 6

***Company Company Com

wystery serial.
WLW (422.3m-710ke) April Foolishness.
WOC (483.6m-620ke) Jack Little.

Thursday, silent night for: CHIC, CKNC, CNRA CNRE, CNRO, CNRR, CNRT, CNRV, CNRW, KF/KFAU, KFDM, KFEQ, KFMX, KFOA, KFV, KKMA, KLX, KMOX, KOA, KOAC, VPWX, WABQ, WAFD WAHG, WWDOD, WEAO, WERW VWHAD, WHAZ, WWM, WSUI, W

SPECIAL SHRINE PROGRAM AT WHB

Thursday, April 1

dinner concert; St. Peter's Lutheran choir; Edith Frazier Rankin, soprano; Jean McCrory Newman, contralto; Vincent Kroen, tenor; C. Frederick Newman, bass-bartione; Little Symphony orchestra, accompanis; 11, Pittsburgh Post midnight revue.

WBAL, Baltimore, Md. (245.8m-1220ke), 6:30-7:30 p. m., dinner program; 7:30-8, organ recital, Frederick Weaver; 8, Dubois' oratorio, "Seven Last Words of Christ," choir.

WBBR, Staten Island, N. Y. (272.6m-1100ke), 8 p. m., Clarion quartet; Elizabeth Paul, soprano.

WBZ, Springfield, Mass. (333.1m-900ke), 6:30 p. m., Hotel Kimball orchestra; 6:45, Hotel Lenox ensemble; 7, Hotel Kimball orchestra; 8, musical program; 9, John E. Shea, ukulele soloist; 9:15, Mrs. Dora Boedeker Gottsche, mezzo-soprano; 9:30, Arthur Clifton, organisk, the horse head (2018.50ke), 4:20

organist.

WCAE, Pittsburgh, Pa. (461.3m-650ke), 6:30 p. m. dinner concert; 8, WEAF; 8:30, WEAF; 9, WEAF;

deker Gottsche, mezzo-soprano; 9:30, Arthur Clitton, organist.

WCAE, Pittsburgh, Pa. (461.3m-650ke), 6:30 p. m., dinner concert; 8, WEAF; 8:30, WEAF; 9, WEAF; 10, Silvertown Cord orchestra.

WCAU, Philadelphia, Pa. (277.6m-1080ke), 6:30 p. m., Cathay Tea Garden dance orchestra; 7:30, Snellenburg Symphony orchestra; 8: the Mitchell Gondolier; 8:15. recital; 8:35, the Kandy Kids; 9, Barry O'Moore, Irish tenor; 9:30, the Musical Chefs; 9:45, Professor Doolittle; 10, Sesqui-Centennial hour; 11. Parodians dance orchestra; 11:30, Club Cadix revue.

WEAF, New York, N. Y. (49).5m-610ko), 6 p. m., dlnner music, Hotel Waldorf-Astoria; 7:30, Ballin and Race, piano duo; 8, Ladles' Victory quartet; 8:30, Hire's Harvesters; 9, Cliequot Club Eskimos; 10, Goodrich Silvertown Cord orchestra; 11, Vincent Lopez and orchestra.

WEEI, Boston, Mass. (348.6m-860ke), 7:30 p. m., Rickenbacker's Olde Homestead group; 8-11, WEAF, WFI, Philadelphia, Pa. (394.5m-780kc), 6:30 p. m., Bellevue Stratford concert orchestra; 7, Bellevue Stratford dance orchestra; 71, Bellevue Stratford dance orchestra; 8-11, WEAF.

WGBS, New York, N. Y. (315.6m-950kc), 9 p. m., Crystal Palace orchestra; 8-11, WEAF.

WGCP, New York, N. Y. (252m-1190kc), 3 p. m., Ora Welsh, pianist; 3:30, Frank Gallasi, ukulele; 3:45, Dorothy Bleichrod, pianist; 4:10, Ed Gillis, sons; 4:30, Al Wilson entertainers; 4:45, studio program; 10:30, Irving Firstenberg, pianist; 10:45, studio program; 11, Piotti and Val; 11:15, Katherine Adolph, soprano; 11:30, Strickland's orchestra; 12-2 a. m., midnight program; 18, Eviti and Val; 11:15, Katherine Adolph, soprano; 11:30, Strickland's orchestra; 12-2 a. m., midnight program; 9, WIZ; 10, WGY orchestra; Frank Erwin, tenor; 11:30, Stephen E. Boisclair, organist.

WHAR, Atlantic City, N. Y. (379.5m-790kc), 6:30 p. m., Seaside hotel ensemble; 11, dance orchestra:

orchestra; Frank Erwin, tenor; 11:30, Stephen E. Boisclair, organist.

WHAR, Atlantic City, N. J. (275m-1090kc), 8 p. m.,
Seaside hotel ensemble; 11, dance orchestra.

WHN, New York, N. Y. (361.2m-330kc), 6 p. m.,
Treasureland Neighbors; 6:30, people's hour; 7:30,
music; 8, Will Oakland's Chateau; 8:30, Mathushek
half-hour beautiful; 9-9:30, Al Herman's broadcasting
entertainment; 10:30, Leroy Smith's orchestra; 11, Joe
Ward's Swance entertainers; 11:30, Everglades orchestra; 12, Al Raymo's entertainers.

WIP, Philadelphia, Pa. (508.2m-590kc), 6:05 p. m.,
Pagoda cafe orchestra; 7, Uncle Wip's bedtime stories; Millicent Morse, songs; 8:15, the Y. M. and
Y. W. H. A. chorus and orchestra; 10:05, Nelson
Manles and his S. S. Levisthan orchestra.

WIAR, Providence, R. 1. (305.9m-500kc), 8 p. m.,
Robert W. Power's orchestra; 9-11, WEAF.

WIR, Pontiac, Mich. (516.9m-530kc), 7 p. m., Petite
symphony orchestra; 7:30, realtors; 9, orchestra; 10,
dance music.

symphony orchestra; 7:30, realtors; 9, orcnestra, 10, dance music.

MJZ, New York, N. Y. (454.3m-660ke), 7 p. m., Hotel Vanderbilt orchestra; 7:45, Judge, Jr.; 8, WRC; 8:30, First National Pictures, WRC; 9, Royal Typewtic salon orchestra, WRC, WGY, WCAD; 10, Record Boys; 10:45, Freddie Rich and his Hotel Astor dance or-

10:45, Freddie Rich and his Hotel Astor dance orchestra;

WMAK, Buffalo, N. Y. (265.3m-1130ke), 6:15-7:15
p. m., Hotel Lafayette orchestra; 7:30-8, program,
Brookshire Cheese company.

WMCA, New York, N. Y. (340.7m-880kc), 6 p. m.,
Olcott Vail and Hotel McAlpin string ensemble; 6:30,
Parody orchestra; 7, Twin Oaks orchestra; 7:15, Arthur
West's Sirens; 8:30, Snedden Weir, baritone; 10:30,
Tango orchestra; 11, Hotel McAlpin orchestra; 12,
Broadway night,

WMAC New York N. Y. (526m-570ke), 8 p. m., Henry

Tango orchestra; 11, Hotel MoAlpin orchestra; 12, Broadway night.

WNYC, New York, N. Y. (526m-570kc), 8 p. m., Henry Duval, concert violinist; 8:30, song recitals; 9:15-10:10, Original Black Diamond Serenders.

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

WOR, Newark, N. J. (405.2m-740kc), 6:30 p. m., Jacques Jacobs' Hotel Shelton ensemble.

WPG, Atlantic City, N. J. (299.8m-1000kc), 6:45 p. m., organ recital, Arthur Scott Brook; 7, Hotel Ambassador music; 8:15, concert, Atlantic Board of Education; 10, Atlantic City estates dance orchestra; 11, Eddie McKnight's orchestra.

WRC, Washington, D. C. (468.5m-640kc), 8 p. m., U. S. Army band, WJZ; 8:30, WJZ; 9, WJZ; 10, WJZ; 10:30, Meyer Davis' Le Paradis band.

WRVA, Richmond, Va. (256.3m-1170kc), 8-8:30 p. m., "Edgeworth party night," music.

WAG, Worcester, Mass. (267.7m-1120kc), 8-8:30 p. m., WEAF; 9-10, WEAF; 10-11, WEAF

WAM, Cleveland, Ohio (389.4m-770kc), 6:70 p. m., Austin Wylie's Vocalion Recording orchestra.

WILC, Hartford, Conn. (475.9m-630kc), 6:50 p. m., Hotel Bond trio; 8:15, Williams college musical clubs.

WMJ, Detroit, Mich. (352.7m-350kc), 6 p. m., dinner concert; 3, WEAF.

Central Time Stations

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

KLDS, Independence, Mo. (440.9m-680ke), 8 p. m., monthly program, Independence Council Parent-

KLDS, Independence, Mo. (440.9m-680kc), 8 p. m., monthly program, Independence Council Parentracher association.

KMA, Shenandoah, lowa (252m-1190kc), 9-11 p. m., Delmonico Dreamers' dance orchestra.

KOIL, Council Blurffs, lowa (277.6m-1080kc), 6:05 p. m., Marie Salisbury, violinist; Olivetta Salisbury, pianist; Katherine Skinner, cellist; 6:30, Imperial dance orchestra; 7:15, Sleepy Time Girl; 7:30, program; 11, Hotsy Totsy hour.

KPRC, Houston, Texas (296.9m-1010kc), 7:30 p. m., Blanchard's orchestra; 8:30, Skyline studio concert; 9, Southern Paclife Lines glee club.

KSD, St. Louis, Mo. (545.1m-550kc), 7 p. m., WEAF; 7:30, WEAF; 9, WEAF; 81, WEAF, Mrt Springs National Park, Ark. (374.8m-800kc), 79-9:30 p. m., comic opera selections, Eastman hotel orchestra; 9:30-9:45, baritone recital, W. C. Brown, Arthur Platz, accompanist; 9:45-10:15, New Arlington dance orchestra; 10:15-10:45, Mons' quartet; 10:45-11:15, Meyer Davis dance orchestra.

Arthur Flatz, accombanks; 9:34-0:16, New Arlington dance orchestra; 10:15-10:145, Mens' quartet; 10:45-11:15. Meyer Davis dance orchestra.

KUOA, Fayetteville, Ark. (299,8m-1000ko), 8:40 p. m., University orchestra; Ozark theater organ, University orchestra; Ozark theater organ, Conjugated program; 9-10, hour of music; 10-12, midnight revue.

WAMD, Minneapolis, Minn. (244m-1230kc), 6:15 p. m., dinner concert, George Osborn and his orchestra; 7:30, Junior Gardeners; 11:30, organ rectal.

"BAD Fort Worth, Texas (475.9m-630kc), 6 p. m., music; 7:30, Davis Baking Powder saxophone "0, Fort Worth conservatory of music; 11, le, "A Step on "Sarkairs," mystery serial; heater. m. Oke), 7 p. m., pro-of America. m., mixed quarWCCO, Minneapolis-St. Paul, Minn. (416.4m-720ke), 7 p. m., WEAF; 7:30, Northern Pacific program; 8-10, WEAF; 10:20, Golden Pheasant orthestra. WDAF, Kansas City, Mo. (365.6m-820ke), 6-7 p. m., Mighthawk frolie; Johnnie Campbell's orchestra; Ted Weems Victor Recording orchestra.

frolic; Johnnie Campbell's orchestra; Ted Weems Victor Recording orchestra.

WGES, Oak Park, III. (250m-1200kc), 8-9 p. m., orchestra; 11-1 a. m., Coyne serenaders.

WGN, Chicago, III. (302.8m-990kc), 6:30-6:45 p. m.,
Drake concert ensemble, Blackstone string quintet;
6:45, old-time favorites; 6:55-7, "The Million Sing";
8-10, WEAF; 10, Sam 'n' Henry; 10:10, old-time
favorites; 10:20, play shop; 10:40-11, studic ensemble.

WHAD, Milwaukee, Wis. (275m-1090kc), 6:15-7 p. m.,
Bill Benning's Milwaukee Athletic club orchestra;
8:30-10:30, orchestra.

WHAS, Louisville, Ky. (339.8m-750kc), 7:30-9 p. m.,
Virginia Vetter's entertainers.

WHB. Kansas City, Mo. (365.5m-220kc), 7-7:45 p. m.,
organ concert; 8-9, operatic selections, string quartet;
9-10, musical program; Thomas Healey, basso; Mrs.

WEAF; 11-11:20, Correll and Gosden; 11:20-1 a. m., studio ensemble, dance music, harmony duos.

WLS, Chicago, III. (344.6m-870kc), 6 p. m., trlo; 6:40, Maurie Sherman's College Inn orchestra; 7, Iullaby time, Ford and Glenn; 7:15, Sherman's College Inn orchestra; 7:30-7:55, Salvation Army staff band.

WLW, Cincinnati, Ohio (422.3m-710kc), 7 p. m., Robert Visconti's Hotel Gibson orchestra; 10:03, French-Bauer hour, Doherty Melody boys; 11, an hour of "April Foolishness"; 12, dance music, Castle Farm; 12:15, Night Howls, the Crosley Pups.

WMAQ, Chicago, III. (447.5m-670kc), 6 p. m., Chicago theater organ; 8:30, Hotel La Salle orchestra; 9:20, WMAQ, Dalvers; 9:35, chimes.

WMBB, Civicago, III. (425m-1200kc), 7-8 p. m., Trianon ensemble, Norwegian music; Trianon trio; 9-11, orchestras; Trianon duo; Bob Duffy, baritone; C. Keithley, tenor.

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

WOAW, Omaha, Neb. (526m-570kc), 6 p. m., Dorothy Lowden, harpist; F. M. Mills, trumpeter; 6:20, Manna



"The Bohemian Girl" is the feature Friday, March 26, at WHAS, Louisville. The Operatic ensemble of the Greater Louisville Savings and Building association is giving the production.

W. Lyons, soprano; Mrs. Ralph Street, violinist; ukulele songsters, Harry Taylor, Sam Martin; Mrs.
 H. Taylor, pianist.

H. Taylor, pianist.
WHO, Des Moines, Iowa (526m-570kc), 7:30-8 p. m., the Raleigh quintet; 8-9, Bankers Life trio; 11-12, the Bankers Life Corn Sugar orchestra.
WHT, Chicage, III. (399.8m-750kc), 12 noon, Al Carney's complimentary organ recital; 6 p. m., dinner organ recital, Al Carney; 6:30, Hugh Aspinwall, tenor; Grayling's string trio; 6:45, Swedish program; 9:15, Cinderella cafe orchestra; 9:30, Kitchen Klenzer Klassics; 9:50, Jack Turner, singers; Jack Marshall, pianist; 10:10, U. S. L. entertainers; male quartet; 11:30, Pat Barnes and Al Carney; 12, Pat Barnes and Al Carney

Pat Barnes and Al Carney; 12, Pat Barnes and Al Carney, WIAZ, Chicago, 111. (322.4m-930ke), 9 p. m., chimes; Scottish male chorus; Mildred Bolan, contralto; Grace Hanson, violinist; Charles Graves, tenor; Mary Pearce Niemann, planist.

Will Mooseheart, III. (370.2m-810ke), 2-3 p. m., Howard L. Peterson, organist; 4-5, music, children; 5:30-7, Jack Nelson; Palmer House symphonic players; Howard L. Peterson, organist; Palmer House Victorians; Salvation Army band; 12:30 a. m., Palmer House Victorians; Jack Nelson.

WLIB, Chicago, III. (302.8m-990ke), 7:30-8 p. m.,

Kea trio; 6:50, Randall's Royal Fontenelle orchestra 9, deluxe program.

Kea trio; 6:50, Randall's Royal Fontenelle orchestra; 9, deluxe program.

WOC, Davenport, lowa (483.6m-620kc), 7-7:30 p. m., WEAF; 8-9, WEAF; 9-10, WEAF; 11-12, LeClaire hotel orchestra; Jack Little.

WOK, Chicago, III. (217.3m-1300kc), 4:30-7 p. m., Capitol theater organ; studio program; 10-1:30 a. m., dance music; Capitol theater program.

WORD, Batavia, III. (275.1m-1090ke), 8 p. m., Webster hotel trio; 8:30, studio recital, Cosmopolitan School of Music.

WQJ, Chicago, III. (447.5m-670kc), 7-8 p. m., Clemen Laskowski, tenor: Margaret Code Laskowski, tenor; Margaret Cade, soprano; Madelin Ruff, pianist; Raibh Williams and his 10-1 a. m., Raibh Williams and Skylarks; H. Lucille Long, harmonica player; Romo Vincent, baritone Clark's Hawaiian trio; artists; 1-2, Ginger hour.

WSAI, Cincinnati, Ohio (325.9m-920kc), 7 p. m. Frank Wright; 7:30, WEAF; 8, WEAF; 9, WEAF. WSB, Atlanta, Ga. (428.3m-700kc), 8 p. m., program E. W. Wilson, Lucie Moore; 10:45, Charles A. Shel-don, Jr., organist.

Mountain Time Stations CFAC, Calgary, Can. (435.8m-688ke), 9-11 p. m. Haydn male quartet.

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

Pacific Time Stations

KFI, Los Angeles, Calif. (467m-642kc), 5:30-6 p. m., Bamboo Gardens orchestra; 7-8, program, students of U. S. C.; 8-9, program, Rexall stores of California and Arizona; 9-10, program, Chickering Hall; 10-11, popular hour.

Bamboo Gardens orchestra; 7-8, program, students of U. S. C.; 8-9, program, Rexall stores of California and Artzona; 9-10, program, Chickering Hall; 10-11, popular hour.

KFON, Long Beach, Calif. (232.4m-1280kc), 6:30 p. m., Brayton's theater organ; 7:30-8, Long Beach Municipal band; 8:15-9, Long Moon dance orchestra; 80l Hoopii's Hawaiians, Ashley Sisters; 10-11, Warner Brothers frolic.

KGO, Oakland, Calif. (361.2m-830kc), 8-9 p. m., Conn Instrument company orchestra, Marimba band, popular concert; Cowell Dein, banjoist; Conn trio; Londo Gelani, tenor; Al Hyndman, pianist; 9-10, Finnish music program; Saima Bloomquist, pianist; mixed chorus; Martha Jalava, mezzo soprano; 10-1 a. m., Brokaw and his dance orchestra.

KGW, Portiand, Orc. (491.5m-610kc), 6-7 p. m., dinner goncert; 8-10, vaudeville.

KHJ, Los Angeles, Calif. (405.2m-740kc), 8-10 p. m., Eureka mixed quartet; 8:30-10, Puget Sound Savings and Loan association orchestra; 10:30-12, Keep Joy Radiating Order of Bats.

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

KNX, Hollywood, Calif. (336.9m-890kc), 5:30, Leighton's cafeteria orchestra; 6:30-7, Atwater Kent concert orchestra; 7-8, program, H. L. Crockett Hudson-Essex company; 8-9, program, H. L. Crockett Hudson-Essex company; 8-

Friday, April 2

Headliners Today

Eastern Central Mountain Pacific 8:15 p. m. 7:15 p. m. 6:15 p. m. 5:15 p. m. WGY (379.5m-790kc) "A Step on the Stairs," mystery serial. 8:30 730 6:30 C30 WHO (526m-578kc) University quartet. 9 8 6 6 WHZ (333.1m-900kc) Good Friday program.
WDAF (365.6m-820kc) Negro spirituals.
WSM (282.8m-1060kc) Easter program.
WTIC (475.9m-630kc) "Seven Last Words," sym-

| Property | Property

tata. 1. 12:30 a. m. 12:30 a. m. 11:30 10:30
KGW (491.5m-610kc) "Keep Growing Wiser Order of Hoot Owls.

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

Eastern Time Stations

Eastern Time Stations

KDKA, Pittsburgh, Pa. (309.1m-970ke), 6:30 p. m., dinner concert; 10:10, Teaberry time.

WAHG, Richmond Hill, N. Y. (315.6m-945ke), 8 p. m., organ recital, Skinner Organ company; 9, "The Crucifixion," Sir John Stainer.

WBAL, Baltimore, Md. (245.8m-1220ke), 6:30-7:30 p. m., WBAL dinner orchestra; 7:30-8, organ program, Frederick Erickson; 8-9, Good Friday program, "Lamentations of Palestrina," choir; 9-10, concert trio, Michael Weiner, violinist; Leroy Evans, planist; Samuel Stern, cellist.

WBZ, Springfield, Mass. (333.1m-900ke), 6:30 p. m., Hotel Kimball orchestra; 7, Hotel Lenox ensemble; 8, Cook's Butterfly ballroom; 8:30, Clara Larsen, planist; Edith Woodman, soprano; 9, Good Friday program; 10, Baldwin hour.

WGAE, Pittsburgh, Pa. (461.3m-650ke), 6:30 p. m., dinner concert; 8, studio program; 9:30, WEAF; 10:30, WEAF.

WCAP, Washington, D. C. (468.5m-640ke), 6:35 p. m., 12:30 a. m., Mozart string quintet; WEAF.

WCAP, Philadelphia, Pa. (277.6m-1060ke), 6:35 p. m., Hotel Pennsylvania orchestra; 1:30, Snellenburg instrumental trio; 8, recital; 8:30, the Singing Groundhor; 8:45, the Bryan Girl; 9:15, Dwight Strickland, "poetician"; 9:30, the Sa Gulls dance orchestra; 10, songs; 10:30, Myers' Musical architects.

WEAF, New York, N. Y. (491.3m-610ke), 6 p. m., Hotel Waldorf-Astoria; 7, Vlado Kollpsch, violinist; 7:45, Jessie Covington, planist; 8:15, Mytle Stitt Mason, contralto; 8:30, Eagle Neutrodyne trio; 9:10, Mount Oliver Calvary; 10, Whittall Anglo-Persians; 10:30-11:30, "Seven Last Words."

WEBI, New York, N. Y. (272.6m-1100ke), 7 p. m., Blenheim theater ensemble, direction Sol Klein; 7:45, Isabel Henderson, soprano; 8, W. C. Ihlefeld, concert planist; 8:15, Boston, Mass. (348.5m-860ke), 7:30 p. m., Whiting Milk company program; 9, musicale; 8:30, Al Ciecone's Harlem Tea Garden orchestra.

WEI, Seven Last Words."

WEBI, New York, N. Y. (215.6m-950ke), 6:30 p. m., Anzell's orchestra.

WGCP, New York, N. Y. (252m-1190ke), 3 p. m., Elvira Ross Geiger, pianist; 3:30, Marie Kalla, sopra

WGBS, New York, N. Y. (252m-1190kc), 3. p. m., Anzell's orchestra.

WGCP, New York, N. Y. (252m-1190kc), 3. p. m., Elvira Ross Gelger, pianist; 3:30, Marie Kalla, soprano; 3:45, Sherman and Neal, songs; 4:15, studio program; 4:45, Rubey Cowan, songs; 5:10, Clarence Profit, pianist; 7, China Royal orchestra; 7:30, Billy Inlefeld, singing pianist; 8, Milt Simpson, comedian.

WGHB, Clearwater, Fla. (266m-1130kc), 6:30-7:30

p. m., Mandalay orchestra; 3:30-10, Maurice Thayer, director; 11:30-1, Mandalay orchestra.

WGR, Buffalo, N. Y. (319m-940kc), 2 p. m., Good Friday program; 8:30, the Californians orchestra; 7:30, WEAF; 8, piano program, Hamilton A. Dakers; 9:30, Club Royale orchestra; 10, WEAF; 10:30, Hewitt Humorists; 11, Vincent Lopez Hotel Statler dance orchestra.

Humorists; 11, Vincent Lopez Roter States and the chestra.

WGY, Schenetady, N. Y. (379.5m-790kc), 7 p. m., Eastman theater orchestra; 8:15, "A Step on the Stairs"; 8:30, Stainer chorus choir; Henry W. Stewart, organist; 9:30, WGY orchestra; one-act piay, "The Boy Who Discovered Easter"; 10, musical program.

WHAR, Atlantic City, N. J. (275m-1990kc), 8 p. m., Scaside hotel concert ensemble.

GENERAL TALKS AND SPEECHES

Saturday, March 27 Saturday, March 27
Eastern Central Mountain 6:15 p. m. 5:15 p. m. 4:15 p. m. 5:15 p. m. 5:15 p. m. 6:16 c. 6:1

WPG (299.8m-1000kc) "Golf," Kendall H. Read.
9 8 77
WCCO (416:4m-720kc) "Fireside Philosophies."
Rev. Roy L. Smith.
9:30 8:30 6:30
WMAQ (447.5m-670kc) "New Zealand," Capt.
Kilroy Harrison.
9:45 8:45 7:45 6:45
KHJ (405.2m-740kc) History story, Prof. Hertzog.

9 8 7 6 WAHG (315.6m-950kc) "Florence," Major Dent

Atkinson.
WMCA (340.7m-880kc) Christian Science lecture.
WRVA (256.3m-1170kc) "Virginia Folk Lore,"
Dr. Douglas Freeman.
11:25 10:25 9:25 8:25
KGO (361.2m-830kc) "Chats About New Books,"
Joseph Henry Jackson.

Tuesday, March 30

 Wednesday, March
 31

 Eastern
 Central
 Mountain
 Pacific

 6:35 p. m.
 5:35 p. m.
 4:35 p. m.
 3:35 p. m.

 WIP (508 2m-599kc)
 "The Farm Boy Makes
 Good."
 B. W. Helm.

Eastern Central Mountain Pacific

Thursday, April 1
Eastern Central Mountain Pacific
7:30 p. m. 6:30 p. m. 5:30 p. m. 4:30 p. m.
WGY (379.5m-790kc) WGY book chat, William F. Jacob. WHAR (275m-1090kc) Historical talk, Harry H. WHAR (275m-1090kc) Historical talk, Harry H. Haeberly, Jr.
WIP (508.2m-590kc) "The Sequi-Centennial," Hon. Harry A. Mackey,
WPG (299.8m-10000kc) "World Wonder Excursions," Alfred James P. McClure, D. D. 7:45 6:45 5:45 WRC (468.5m-6400kc) Smithsonian talk, 9:15 KNX (336.9m-890kc) Travel talk, W. F. Alder, 9:45 8:45 7:45 6:45 KHJ (405.2m-740kc) History talk, 10 9 8 7 WRC (468.5m-640kc) Political situation, Frederick W. Wile.

Friday, April 2

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

WDAF (365.6m-820kc) Address.
WOAW (526m-570kc) Music review, Hester Bronson Copper.
7:30 6:30 5:30 4:30

WHAB (275m-1090kc), Lecture period.
7:45 6:45 5:45 4:45

WCAE (461.3m-650kc) Current motor topics, autotours and road conditions.
8 7 6 5

WTIC (475.9m-630kc) "Our Coast Guard," John J. Hinton.
3:05 7:05 6:05 5:05 J. Hinton. 8:05 7:05 6:05 5:05 WAMD (244m-1230kc) "What Prominent Outsiders Think of Minneapolis and the Great Northwest."

west."
8:15 7:15 6:15 5:15
WPG (299.8m-1000kc) "The Meaning of Easter,"
Rev. Hinson V. Howlett.
9:05 8:05 7:05 6:05
KFAB (340.7m-880kc) "Birds and Our Pocket
Books." Books."
10:30 9:30 8:30 7:30
KHJ (405.2m-740kc) "Romance of Santa Fe
Trail," Gladys De Witt.

MARKETS AND WEATHER

Daily Except Sunday

stock, weather, roads. WMC (499.7m-600kc) Weather, markets. WMC (499.7m-600kc) Weather, markets.

11 10 9 8

WOS (440.9m-680kc) Heather, hogs.

11:15 10:15 9:15 3:15

WTAG (268m-1120kc) Markets, weather.

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

WCCO (416.4m-720kc) Markets.

12 n. 11

KDKA (309.1m-970kc) Weather, livestock, grain.

WBAP (475.9m-630kc) Weather, cattle, grain.

WLS (344.6m-870kc) Poultry, dairy, hogs, sheep.

WOS (440.9m-680kc) Livestock, poultry, eggs, grain. grain.
12:30 p. m. 11:30 10:30 9:30
WEAR (384.4m-780kc) Markets, weather.
WFAA (475.9m-630kc) Markets.
11 12 n. 11 10
WHAP (475.9m-630kc) Markets.
WHO (526m-570kc) Livestock, receipts. Weather, WOS (440.9m680kc) Livestock, weather. 1:30 12:30 p. m. 11:30 10: KTHS (374.8m-800kc) Markets, weather. MTHS (374.8m-800kc) Markets, weather.
market, apples.
WOAW (526m-570kc) Markets.
1:45 12:45 11:45 10:45
KOA (322.4m-930kc) Weather, roads, livestock, poultry. WOC (483.6m-620kc) Weather, grain, livestock, dairy.

2 i p.m. 12 n.
WHO (526m-570kc) Livestock, Chicago and St.
Louis closing eash market quotations, Chicago
Board of Trade, N. V. Stock exchange.
WLS (344.6m-870kc) Livestock, grain, dairy, fruit,
vegetable. WOS (344.0 m-680kc) Livestock, markets, grain. 3:30 2:30 1:30 12:30 pm.m. 3:50 12:30 pm.m. 3:50 12:50 WWJ (352.7m-850kc) Weather, markets. 4 3 2
WCCO (416.4m-720kc) Markets.
WFAA (475.9m-630kc) Markets.
6:45 5:45 4:45
KSAC (340.7m-880kc) Market review. 8 7 6 KOA (322.4m-930kc) Sheep, markets, livestock, poultry.

Friday, April 2

WHN, New York, N. Y. (361.2m-380kc), 6 p. m., people's hour; 7, Harry Richman and entertainers; 10, Roseland dance orchestra; 10:30, Anatol Friedland; 11:30, Kit Kat club orchestra; 12, Silver Slipper orchestra.

WIP, Philadelphia, Pa. (508.2m-590kc), 6:05 p. m. Benjamin Franklin concert orchestra; 7, Howard Waddeel, songs.

Waddeel, songs.

WJAR, Providence, R. I. (305.9m-500ke), S. p. m., musical program; 8:30, Gorman's Jolly Bakers; 9, musical program; 9:30, WEAF; 10, WEAF; 10, Providence-Biltimore orchestra.

WJR, Pontiac, Mich. (516.9m-580ke), 7 p. m., Jean Goldkette's symphony; 7:30, Arctic specials; 9, Mulkey celebrities; 9:30, Caspar Lingeman symphony.

phony.

WJZ. New York, N. Y. (455m-660ke), 7 p. m., Hotel Commodore concert orchestra; 8, Sundial Shoe serenaders; 8:30, Bonnie Laddies; 9:30, Brune Labate Woodwind ensemble; 10, Baldwin Piano hour, WGY; 11, Hotel Lorraine Grill orchestra.

NLIT, Philadelphia, Pa. (394.5m-760kc), 7:30 p. m., Dream Daddy's bedtime stories; 8, sports talk; 10, Morning Glory club concert; Arcadia cafe dance or-chestra; 10:30, Rufus and Rastus; 11, Morning Glory club concert.

club concert.

WMGA, New York, N. Y. (340.7m-880ke), 6 p. m.,
Oleott Vail and Hotel McAlpin string ensemble; 6:30,
Ernie Golden and Hotel McAlpin orchestra; 7:30,
Sach's Musical Monarchs; 8:50, Broadway association; 9, Hardman hour of music; 10:30, Parody orchestra; 11, Hofbrau Haus entertainers; 11:30, Jack
Denny's orchestra; 12 m., McAlpin entertainers.

WNYC, New York, N. Y. (526m-570ke), 6:20 p. m.,
piano selections; 7:35, studio features; 9:30, violin
recitals; 10, songs.

recitals; 10, songs.

WOO, Philadelphia, Pa. (508.2m-590ke), 7:30 p. m., Sylvania dance orchestra; 8, recital; 9:25, Fox theater program; Fox theater grand symphony orchestra. Adolph Kornspan, director; 10:15, organ recital, Marcy E. Vogt; 10:30, Sylvania dance orchestra.

WOR, Newark, N. J. (405.2m-740kc), 6:45 p. m., studio program; 7:15, Copenhagen quartet.

WPG, Atlantic City, N. J. (299.8m-1000ke), 6:45 p. m., organ recital, Arthur Scott Brook; 7, Hotel Morton music; 8:15, studio program; Cutibert Melody boys; 9, Hotel Traymore orchestra; 10, organ recital, Jean

WRVA, Richmond, Va. (256.3m-1170ke), 8:15 p. m., organ prelude, Ernest H. Cosby, soloists.

WTAG. Worcester, Mass. (267.7m-1120ke), 6-7 p. m., WTAG orchestra; 8:15-10, concert announced; 10-10:30,

WTAM, Cleveland, Ohio (389.4m-770ke), 6-7 p. m., Hotel Hollenden orchestra. WTIC, Hartford, Conn. (475.9m-630ke), 6:30 p. m., Hub trio; 8, Coast Guard academy band; 9, Trav-elers symphonic ensemble.

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

Red, Band of Crete.

KFNF, Shenandoah, Iowa (263m-1140kc), 7:30 p. m., pipe organ concert.

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

KMA, Shenandoah, Iowa (252m-1190ke), 6-7 p. m., Grady and Doc; 9-11, program, talent, Coim.

KMOX, St. Louis, Mo. (280.2m-1070kc), 6 p. m., organ recital, Arthur Utt; 6:30, Mrs. Jaques Landree; 7, orchestra; Buster Brown, Charlotte with ukulele; 8, artists' program; 9, orchestra, Leonard Phillips; 10, popular dance program.

8, artists' program; 9, orchestra, Leonard Phillips; 10, popular dance program.

KOIL, Council Bluffs, lowa (277.6m-1080kc), 6:05 p. m., program; Clara Kurtz, pianist; Lucy Rhybo, soprano; 6:30, Royal Fontenelle orchestra; 8:15, Katherine Lemen, contralto; Dorothy Kelloway, soprano; Margaret Lemen Green, pianist; Elizabeth Quinn, accompanist; 11. Hotsy Totsy hour.

KSD, St. Louis, Mo. (545.1m-550kc), 7:30 p. m., Westminster Presbyteriar church; 9, WEAF, KTHS, Hot Springs National Park, Ark., (374.8m-

800kc), 9-9:30 p. m., classic half hour, New Arlington Hotel Grand ensemble; 9:30-10:25, novelty program, Jack O' Lantern Night club; 10:25-10:45, Toni Cochard and John G. Heyn, tenor and planist; 10:45-11:15, dance offerings, Meyer Davis orchestra.

KYW. Chicago, III. (536m-560kc), 6 p. m., dinner music; 6:30, dinner music, Congress hotel; 7:30-9, home-lovers hour; 9-10, hour of music; 10-12, midnight revue.

night revue.

WAMD, Minneapolis, Minn. (244m-1230kc), 7:10 p. m.,
Minneapolis Public School hour; 8, Reception Five
Musical program; 11, Skyrocket frolic.

WBAP, Fort Worth, Texas (475.9m-630kc), 6 p. m.,
dinner music; 7:30, Maggie Overstreet, planist; 9:30,
sacred program; 11, Panthers Hawaiian trio.

WCAL, Northfield, Minn. (336.9m-890kc), 8:30 p. m.,
classical program

WCAL, Northfield, Minn. (336.9m-890ke), 8:30 p. m., classical program.
WCCO, Minneapolis-St. Paul, Minn. (416.4m-720ke), 6:15 p. m., Dick Long's Nankin cafe orchestra; 8, Watkins family party; 9, WEAF.
WDAF, Kansas Gity, Mo. (365.5m-820ke), 6-7 p. m. Trianon ensemble; 8-9:30, Negro spirituals, Ebenezer Methodist Episcopal church; 11:45-1 a. m., Nighthawk frolic; Fed Weems orchestra; Billy Adair's orchestra, organ, Ted Meyn.
WEMC, Berrien Springs, Mich. (285.5m-1950ke), 9 p. m., organ recital, Dr. Birt Summers; the Lighthouse choir; 10:05, duct, Mrs. Lela Beuchell, sopprano and Martha Hutchison, contraito.
WGBF, Evansville, Ind. (236.1m-1270ke), 8 p. m., May Memorial organ, concert.

WGBF, Evansville, Ind. (236.1m-1270ke), 8 p. m., May Memorial organ concert.
WGES, Oak Park, III. (250m-1200ke), 8-9 p. m., entertainment; 11-1. Coyne serenaders.
WGN, Chicage, III. (302.8m-990ke), 6:30-6:45 p. m., Drake concert ensemble, Blackstone string quinter (5:45, old-time favorites; 6:55-7, the Million sing; 8-8:30, WEAF; 9:30-9, quartet; 9-9:30, WEAF; 9:30-10, studio program; 10, Sam 'n' Henry; 10:10, 30d-time favorites; 10:20, the Play Shop; 10:45-11, studio ensemble.

ensemble.

WHAD, Milwaukee, Wis. (275m-1090kc), 6:15-7 p. m.,
Arthur Richter, organist; 8:30-10, Marquette univer-

whad, Milwaukee, Wis. (275m-1090kc), 6:15-7 p. m., Arthur Richter, organist; 8:30-10, Marquette university studio program.

WHAS, Louisville, Ky. (399.8m-750kc), 7:30-9 p. m., Southern Baptist Theological seminary.

WHB, Kansas City, Mo. (365.6m-820kc), 7-8 p. m., Selda McDivot, blue songs; Harry Kessell, popular sengster; Lola Reardon, pianist;

WHO, Des Moines, Iowa (526m-570kc), 7:30-9 p. m., Des Moines university male quartet; 11-12, Philbreck and his Younker Tea-Room orchestra.

WHT, Chicago, III. (399.8m-750kc), 12 noon, Al Carney's compilmentary organ recital; 6 p. m., classicat program; dinner organ recital, Al Carney; Grayling's string trio; Helen Rauh, pianist; Charles Hussey, basso; 6:50, Ray-0-Vae concert; 9:15, musical features; Cinderella Cafe orchestra; 9:30, novelties; 11:30, Pat Barnes and Al Carney.

WIAZ, Chicago, III. (322.4m-930kc), 9-2 a. m., diversified studio and dance program, Chez Pierre.

WIJD, Mooseheart, III. (322.4m-930kc), 12-1 p. m., Palmer House symphonic players; trio; 2-3, organ hour, Howard L. Peterson; child artists; assembly of 1,250 children; 5:30, instrumental hour; Palmer House symphonic players; trio; 2-3, organ hour, Howard L. Peterson; child artists; assembly of 1,250 children; 5:30, instrumental hour; Palmer hous; Senator Harold C. Kessinger; Palmer House Victorians; Jean St. Anne; 12:30 a. m., Knights of the Burning Candle.

WLIB, Chicago, III. (392.8m-990kc), 7:30-8 p. n., musical program; 11-11:20, Correll and Gosden; 11:20-1 a. m., ensemble, dance music, harmony duos.

WLS, Chicago, III. (344.6m-870kc), 6 p. m., Ford and Glenn; 6:40, Maurie Sherman's College Inn orchestra; 7, lullaby time, Ford and Glenn; 7:15, Sherman's orchestra; 7:30, trio, picture page program; 8, Ford and Glenn; 8:30, Ralph Emerson, organist; 9, Young American artists, Earl Kardux, tenor; Wimifrid Erickson, soprano; 10-11, Ford and Glenn Music Shop.

Shop.

WMAQ, Chicago, III. (447.5m-670kc), 6 p. m., Chicago theater organ; 6:20, Family Altar league; 6:30, Wide-Awake club program; 8:30, announced; 9:55, chimes.

WMBB, Chicago, III. (250m-1200kc), 7-8 p. m., Trianon ensemble, Vella Cook, contraito, Frank Bordner, baritone; McCready and Hart, Harmony duc; 9-11, orchestras; Ted Graham, Andy Anderson, Scotty Welch and Madison Sisters; Joe Warner, Bab Bennet.

WOAI, San Antonio, Texas (394.5m-760kc), 8:30 p. m., San Antonio college of music program.

WOAI, San Antonio, Texas (394.5m-760ko), 8:30 p. m., San Antonio college of music program.

WOAW, Omaha, Neb. (526m-570kc), 6:20 p. m., Francis Potter's banjo orchestra; 6:50, Gilbert Jaffy, violinist; Nat Young, planist; Skarl Tunberg, planist; 9, program, M. C. Peters Mill company; 10:30, Frank Hodek and his Nightingale orchestra.

WOC, Davenport, Iowa (483.6m-620ko), 8:30-9 p. m., WBAF; 9:30-10:30, musical program, Jack Rogers and his deluxe orchestra; Jack Little; 10:30, "A Step on the Stairs," mystery serial.

WOK, Chicago, Ill. (217.3m-1300kc), 4:30-7 p. m., Capitol theater organ; studio program; 10-1:30 a. m., Tearney's Town club orchestra; Carl Lorraine's Pershing Palace orchestra.

WOOD, Grand Rapids, Mich. (242m-1240kc), 9-11 p. m., classical concert; 11-12, Bill Dallavo and his orchestra.

orchestra.
WORD, Batavia, III. (275.1m-1090ke), 7 p. m., pro-

WORD, Batavia, III. (275.1m-1090ke), r p. m., program; 9-10, program.

WQJ, Chicago, III. (447.5m-670ke), 7-8 p. m., Ralph Williams and his orchestra; Henrietta Nolan, violinist; Otta Moore, baritone; 10-1 a. m., Ralph Williams and Rainbo Skylarks; H. Lucille Long, harmonica player; Johnny Poat, Tell Taylor, tenors; Romo Vincent, baritone; Clark's Hawaiian trio; artists; 1-2, Ginger hour.

WSB, Atlanta, Ga. (428.3m-700ke), 8 p. m., Barnes-ville Civilian club; 10:45, Nunnally's Miniature symphomy orchestra.

phony orchestra.

WSM, Nashville, Texas (282.8m-1060ke), 6:30 p. m..
Francis Craig's orchestra; 8, Easter program; 10,
Vanderbilt university program.

Vanderbilt university program.

Mountain Time Stations

KFWA, Ogden, Utah (260.7m-1150ke), 9-10 p. m., studio program; 10-11. Merry Mad Music Makers.

KFXF, Colorado Springs, Colo. (250m-1200ke), 12-3 p. m., Passion day services.

KOA, Denver, Colo. (322.4m-930ke), 6:30 p. m., Brown Palace string orchestra; 8, St. John's Episcopal cathedral.

KOB, State College, N. M. (348.6m-860ke), 7:30-8:30 p. m., Mrs. L. A. Broaddus, director.

p. m., Mrs. L. A. Broaddus, director.

Pacific Time Stations

KFI, Los Angeles, Calif. (487m-642ke), 5:30-6 p. m., program, Undersheriff Biscailuz; 7-8, Aeolian organ, Dan L. McFarland; 8-9:30, Good Friday program. Stiner's Cructifixon, Beverly Hills Community church choir; 9:30-10, Mutual Motors mirth contest; Sunburnt Jim, entertainer; 10-11, Packard Ballad hour with favorite entertainers.

KFON, Long Beach, Calif. (232.4m-1280ke), 6-6:30 p. m., Brayton's theater organ; 7-8, program, Dalton & Hoagland; 8-9, Press-Telegram studio; 9-11, Long Beach Elks Lodgs, No. 888, frolic.

KFWB, Hollywood, Calif. (252m-1190ke), 8-9, John Wright orchestra, Raquel Nicto, coloratura soprano, Bill Blake, tenor; 9-10, Len Nash and his County Boys dance orchestra; 10-11, Warner Brothers frolic.

KGO, Oakland, Calif. (361.2m-830kc), 6-6:55 p. m., dinner concert.

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

Central Time Stations

KFAB, Lincoln. Neb. (340.7m-1000kc), 8:30-1:30, Med. Red, Band of Crete.

KFNF, Shenandoah, Iowa (263m-1140kc), 7:30 p. m., pipe organ concert.

KFRU. Columbia, Mo. (499.7m-600kc), 6:15 p. m., KMTR concert orchestra; 10-11, Starr Piano company of the concert orchestra; 10-11, Starr Piano company orchestra; 10-11

KNI's concert orchestra; 10-11, Start Franc company studio.

KNX, Hollywood, Calif. (336.9m-890kc), 5:30 p. m. Leighton's cafeteria orchestra; 6:30-7, Atwater Kent concert orchestra; 7-8, program, Jell-X-Cell company; 8-9, program, John A. Vaughn corporation; 9-10, Order of Optimistic Donuts; 10-11, fights, Hollywood American Legion stadium; 11-12, Ray West's Cocoanut' Grove dance orchestra from the Ambassador.

KPO. San Francisco Calif. (428.3m.1000kc), 6:30.7

bassador, KPO, San Francisco, Calif. (428.3m-1000kc), 6:30-7 p. m., States Restaurant orchestra; 8-9, studio pro-gram; 9-10, Palace hotel dance orchestra; 10-11, States Restaurant orchestra; 11-12, Henry Halstead's

KTAB, Oakland, Calif. (239.9m-1250ke), 8-10 p. m., program, Breuner's.
KWSC, Pullman, Wash. (348.6m-860ke), 7:30-9 p. m.,
St. John choir.



World's Greatest Speak

NEWS BULLETINS

Daily Except Sunday WCX (516.9m-580kc).
4:30
WCX (516.9m-580kc).
4:30
WCAE (461.3m-650ke); WFAA (475.9m-630kc).
6
6
4:30
WCAE (461.3m-650ke); WFAA (475.9m-630kc). CFCA (356.9m-840kc). 6:30 5:30 WPG (299.8m-1000kc). KOIL (278m-1980ke); WOC (483.6m-620ke).
7:15 5:15 4:15
WMAK (265.6m-1130ke); WOAI (394.5m-760ke). WMBF (384.4m-780kc); WMCA (340.7m-880kc). 9 WSAI (325.9m-920kc). 9:30 8:30 KPO (428.3m-700kc). 10 9 KLX (508.2m-590ke). 10:45 9:45 WEBH (370.2m-810ke). 8:45 7:45 Sunday

Eastern Central 8 p. m. 7 p. m. WMAK (265.6m-1130ke). 8:15 7:15 WEBH (370.2m-810ke). 9 8 WPG (299.8m-1000ke). Pacific 5 p. m. 6:15 5:15 KFWB (252m-1190kc).

KYW, "The World Crier," broadcasts news

Senator Walsh Asks Senate

Probe of "Wired Wireless" WASHINGTON, D. C.—The question of wired wireless" has broken out in the United States senate.
Senator Walsh of Montana introduced

a resolution which was passed by the senate and which calls upon the secre-tary of commerce "if not incompatible with the public interest, to report fully to the senate the circumstances attending the discovery of the method of multi-plex telegraphy and telephony, the extent to which this system is now used by the American Telephone and Telegraph company, in furnishing communication to the government and to the public and the value of such use annually to the said American Telephone and Telegraph company, and what reduction in rates, if any, has resulted from the free use of 'wired wireless' by the said American Telephone and Telegraph company."

This system was invented by General George M. Squier while he was in the signal corps of the army. Under government rules the patents were made free

Radio Car for League of Nations

GENEVA, Switzerland. — Under construction for the League of Nations is a Radio-equipped Pullman car of latest design, to be run with the express trains of Europe or as a "special" in the event of emergency. This car will carry representatives of the league to war-threatened or disease-stricken borders.

The league is hopeful of receiving mes sages direct from their representatives through the transmitting apparatus on the car and to send orders, suggestions and news to be handled through its receiving equipment.

KIWANIAN IS JAILED ON FAKE BROADCAST

AST CHICAGO .- One half of East Chicago became enraged while the other half rocked with laughter. And all because Lester Otten-heimer, program chairman of the Ki-wanis club struck upon a novel idea and as a result spent two hours in jail.

Ottenheimer announced that he had arranged with Station WGN to broadcast free advertising at a big Kiwanis booster meeting. The president of the club informed the meeting that two million fans were hearing the addresses and the secretary of the chamber of commerce and the mayor orated on the town's greatness for the greater part

Then somebody discovered that the microphone had not been connected. theimer in jail where he lodged his attorney announced there was rdinances about e in the ges. It is said great from the AUSTRIAN INVENTS RADIO CALL PHONE

New System Is Reported to Need No Exchange and Permits Private Conversation

VIENNA, Austria.—A new Radio telephone system is reported to have been invented by Emil Marek, an engineer of Moedling, near here, which is described as sensational because it permits Radio telephoning without interference from the outside

The probability that an outsider will hear is said to be one in 1,000,000. The new system needs no exchange, as all subscribers to the system have sending and receiving apparatus. The person calling the number, dials similarly to that

used at the present time.
Since the number corresponds to a certain wave length, the person with the receiver on this wave answers the call. receiver on this wave answers the call. A light on the receiver lights up when the number is called. If the party called does not answer, the receiver automatically registers the calling party's number. It is said that the transmitter is no larger than an ordinary telephone, and has a range that covers the whole of Austria. Experiments on a large scale will be started shortly.

"Patsy" Is Broadcast Direct From Theater by KFWB LOS ANGELES.—The first attempt to

broadcast a play direct from the stage on the Pacific coast, with the exception of operatic performances, was recently han-dled by the Warner Brothers station, KFWB, operating in conjunction with the Warner mobile transmitter 6XBR, when one act of the western premiere of the mu-sical comedy "Patsy" was microphoned for the benefit of listeners within range of KFWB.

REFWB.

Reports of the performance came in from all parts of the United States, many writing in that they were able to pick up 6XBR on 108 meters where KFWB itself as inaudible.

Has Air Music Contest

PARIS, France.—The Paris daily "Echo de Paris" is conducting a prize musical competition in connection with Radio broadcasting. So far there are over 600 entries, of which 410 are in the singing group, 63 for violin, 97 for piano and the rest for wind instruments or cello. Of

the singers, 313 are women and 97 men. After the pick of the contestants has been chosen by a series of elimination trials, the performances of the winners will be broadcast in a number of special

"S-O-S" GIVES THRILLS

(Continued from page 5)

and stated that he was going to take the matter up with the department of com-merce. It so happens that this station in question is unfortunate enough to have an 'F' and a 'Y' in its code call." That's realism with a vengeance. Study

the faces of these Portal Players. One of these days you may be proud that you "Knew some of them when." Many famous stage celebrities have come from the Twin

Cities and their vicinity.

Only ten, or maybe it was eleven years ago, I sat with Captain Fred Place of the Minneapolis Journal and Charlie Branham of the St. Paul Pioneer-Press at a table in the st. Fair Floher-Fless at a table in the cafe of the Nicollet hotel where this WCCO studio is now located. While we dined a big eyed little girl, fairly bubbling with the joy of life and living skipped out on the slightly raised platform and sang "Little Gray Home in the West." The patrons stormed her with applause.

A little later I saw this girl singing at a picture theater over on Hennepin avenue, I was entranced and being interested in a motion picture enterprise, I sought an introduction and arranged to have this little charmer do some work for the pictures. She sailed out over the Mississippi in a swaying work bucket attached to a cable and was lowered to a seething, boiling mass of logs going through the founda-tions of the dam then under construction between the two cities. After that I had her spin around the Speedway as a mechanic for Ralph DePalma. Other thrilling stunts followed and she performed for the pictures with the same charm as

It happened that Al Jolson came through shortly after and the little girl with the big blue eyes joined his troupe. The next year when I happened to be in New York I saw one name standing out in the bright lights more brilliantly than all the rest. It was "Edith Day" in "Going Up." Edith Day was the little girl whom I had first Day was the little girl whom I had hist heard sing "Little Gray Home in the West" there in the cafe of the Nicollet hotel where the Portal Players are now pre-senting "A Step On the Stairs." Watch these Portal Players.

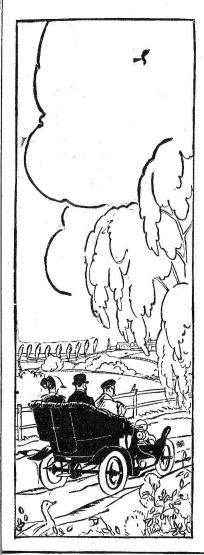
Watch the news about WCCO and listen in when the players are on the air.

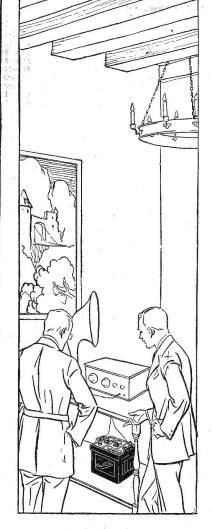
Light and Power for Twenty Years

No poubt you remember the first automobile you ever saw. Perhaps vou'll remember, too, that it bore a shiny little tank marked "Prest-O-Lite" . . . for Prest-O-Lite gave the motor-car its first dependable eyes.

This same company, which has served the automotive industry so successfully for more than twenty years, today serves radio with a dependable, long-lived battery, of special design, that brings out the best in any set.

In engineering, materials and workmanship, Prest-O-Lite cannot be excelled. You can rest assured that Prest-O-Lite Batteries are cor-





rectly rated and deliver full power at all times. They are attractively priced from \$4.75 up. There is a Prest-O-Lite radio dealer or service station near you.

THE PREST-O-LITE CO., INC. INDIANAPOLIS, IND.

New York San Francisco In Canada: Prest-O-Lite Company of Canada, Ltd.
Toronto, Ontario

Send for this free booklet

"What every owner of a radio should know about storage batteries" is a little booklet which every radio fan will find interesting and helpful. It is crammed full of hints that will bring surprising radio results—and save you money. It's yours for the asking-without obligation.

Designed especially for radio

MOTOR-CARS AND RADIO



AN EVENING AT HOME WITH THE LISTENER IN IN CENTRAL TIME

		1							لـــــا
Call	Location	Met.	Saturday	Sunday	Monday	Tuesday	Wednesday	Thursday	Friday
AT9	Fort Bragg, N. C.	435	Silent	5:00- 6:00	Silent	Silent	Silent	7:00- 8:55	Silent
CFCA CFCN	Toronte, Ont Calgary, Alta	356.9 356.9	Silent 11:00- 1:00	6:00- 8:00 Silent	Silent	Silent Silent	6:00-11:00 Silent	Silent 9:00-10:00	Silent Silent
CKAC	Edmenton, Can Montreal, Que	434.5 516.9	10:00-12:00 6:00-10:30	8:30-9:30 1:45-2:45	8:30-10:30 Silent	8:30-9:00 6:00-10:30	7:00-9:00 Silent	10:00-12:00 6:30- 8:30	9:00-12:00 Silent
CKCL	Toronto, Ont	410.7 356.9	6:00- 7:00 7:00- 9:00	2:00- 3:55 Silent	Silent 7:00-10:00	6:00-10:50 Silent	Silent Silent	6:00- 7:00 Silent	Silent Silent
CKY	Winnipeg, Man	384.4	8:00-11:00	7:00-10:00	8:00-12:00	Silent	7:30-11:00	8:30-11:00	Silent
CNRO	Ottawa, Ont Mexico City, Mex	434.5 480	7:30-12:30 Silent	Silent 9:24-10:54	Silent Silent	Silent 9:24-10:54	7:30-12:30 Silent	Silent Silent	Silent 9:24-10:54
CZE	Mexico City, Mex Pittsburgh, Pa	350 309.1	8:24- 9:24 5:30- 8:55	Silent 3:00- 7:45	8:24- 9:24 5:30- 8:55	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 5:30-10:05
KFAB	Lincoln, Nebr Beaument, Tex	340.7 315.6	5:30- 2:00 Silent	4:00-11:00	5:30- 2:00	5:30-10:30	5:30-10:30	Silent	5:30-10:30
KFDM KFH	Wichita, Kan	267.7	10:00-11:00		Silent 10:00- 1:15			Silent 10:00-11:00	
KFI KFJF	Los Angeles, Cal Okla. City, Okla	467 260.7	8:00-5:00 6:30-10:45	6:00- 1:00 2:30-11:45	8:00-1:00 6:30-10:45	8:00- 1:00 6:30- 7:30	8:00-1:00 6:30-12:00	8:00-1:00 6:30-10:45	8:00-1:00 6:30-10:45
KFKX KFMX	Hastings, Nebr Northfield, Minn	288.3 336.9	5:30- 6:30 Silent	Silent 7:00- 8:00	5:30-11:00 Silent	5:30-6:30 9:30-10:00	5:30-11:00 9:00-10:00	5:30- 8:00 Silent	5:30-11:00 10:00-11:00
KFNF	Shenandoah, la	263	7:00-12:00	2:30- 8:30	7:00- 9:00	7:00- 9:00	7:00- 9:00	7:00- 9:00	7:00- 9:00
K FOA K FON	Seattle, Wash Long Beach, Cal	454.3 232.4	11:30- 1:00 8:00- 1:00	Silent 8:00-12:00	9:00-12:00 8:00-1:00	8:00- 1:00 8:00- 1:00	9:00-12:00 8:00-1:00	Silent 8:00- 1:00	8:00-1:00 8:00-1:00
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	8:30-9:30 6:15-7:15	Silent 9:00-11:30	8:30-9:30	8:30-9:30 12:00-2:00
KFUO	St. Louis, Mo	545.1 240	Silent	4:00-10:15	6:15- 7:15 8:00- 9:00	Silent	9:15-10:15	Silent	Silent
KFVE KFWA	Univ'ty City, Mo Ogden, Utah	260.7	9:15-10:15 10:00- 1:00	Silent Silent	9:15-10:15 Silent	Silent	10:00- 1:00	Silent Silent	9:15-10:15 Silent
KFWB	Hellywood, Calif San Francisco, Cal	252 226	10:00- 1:00 Silent	11:00- 1:00 10:00- 2:00		10:00- 1:00 Silent		10:00- 1:00 12:00- 2:00	9:10-1:00 10:00-3:00
KFXF	Colorado Springs	250 361.2	10:00-12:00 10:30- 2:00	8:30- 9:30	9:30-11:30	9:30-11:30	Silent	10:00-12:00	Silent
K G O K G W	Oakland, Calif Portland, Ore	491.5	8:00- 2:00	5:30-10:30 8:00-12:00		8:00- 2:00 8:00- 2:00	8:00- 1:00	10:00- 3:00 8:00-10:00	8:00- 9:00 8:00- 2:00
KHJ	Los Angeles, Cal Sihtipok, Minn	405.2 421	9:45-12:00 Silent	6:00-12:00 4:00- 5:00	Silent 9:00-10:00		10:00-12:00 9:00-10:00	10:00-12:00 Silent	10:00-12:00 9:00-10:00
KJR KLDS	Seattle, Wash Independence Mo	384.4 440.9	10:30-12:00 8:00- 9:00	7:00-12:30 6:30-10:00	9:00-12:00 Silent		9:00-12:00 Silent	9:00- 2:00 8:00- 9:00	9:00-12:00 Silent
KLX	Oakland, Calif Shenandoah, la	508.2 252	Silent 6:00-11:00	Silent	6:00-12:30	Silent	6:00-12:00	Silent	6:00-12:30
KMA KMOX	St. Louis, Mo	280.2	6:00-11:00	4:00-6:00 9:00-10:00	6:00-11:00 6:00-11:00	6:00-11:00		6:00-11:00 Silent	6:00-11:00 6:00-11:00
KNX	Hollywood, Cal Denver, Colo	336.9	7:30-4:00	8:30-12:30 4:00- 9:45	7:30-2:00	7:30- 2:00	7:30- 2:00	-	7:30-2:00
KOB	StateCollege, N.M. Council Bluffs, Ia	348.6 278	Silent 7:00- 3:00	Silent	8:30 - 9:30	Silent	Silent	Silent	8:30-9:30
KOIL KPO	SanFrancisco, Cal	428.3	8:35- 2:00	7:00-12:00 7:00-12:00	6:00-12:00 8:40- 1:00	6:00-12:00 8:40- 1:00	8:40- 1:00	8:40- 1:00	7:00-12:00 8:30- 1:00
KPRC KPSN	Houston, Texas Pasadena, Calif	296.9 315.6	7:30-11:00 10:00-12:00	7:30-10:30 10:45-11:45	7:30-10:00 Silent	10:00-11:00	7:30-12:00 Silent	7:30-12:00 10:00-11:00	Silent Silent
KSD KSL	St. Louis, Mo Salt Lake City, U.	545.1 299.8	7:00-10:00 9:00-12:00	6:15- 9:15 8:30-11:00	7:00-12:00 8:00-12:00	6:55-10:00	7:00- 9:00	6:55-10:00	7:00-10:00 8:30-11:00
KTAB	Oakland, Calif Los Angeles, Cal	240 293.9	Silent Silent	9:45-11:15	10:00-12:00	10:00-12:00	10:00-12:00	10:00-12:00	10:00-12:00
KTCL	Seattle, Wash	305.9	Silent	9:15-11:30 8:10-11:10	Silent 9:00-10:00	10:00-11:00 10:00-11:00	Silent	10:00-11:00 Silent	9:00- 2:00
KTHS	Hot Springs, Ark Seattle, Wash	374.8 455	9:00-10:30 Silent	9:00-11:30 9:00-11:30	9:00-11:00 Silent		9:00-11:00 Silent	9:00-10:45 Silent	9:00-11:00 Silent
KUOA KWKH	Fayetteville, Ark Shreveport, La	299.8 260.7	Silent 9:00-12:00	Silent	Silent	7:30- 8:30	8:00- 9:00	Silent	Silent Silent
KWSC	Pullman, Wash	348.6	Silent	Silent	10:00-11:30 9:30-11:00	9:00-12:00 Silent	Silent 9:30-11:00	8:00- 9:30 Silent	9:30-11:00
KWWG KYW	Brownsville, Tex Chicago, Ill	278 535.4	6:00- 7:00 6:00- 2:00	Silent 2:30-11:00	8:30- 9:30 Silent	6:00-7:00 6:00-12:00	6:00- 7:00 6:00- 2:00	6:00- 7:00 6:00- 2:00	6:00- 7:00 6:00- 2:00
NAA PWX	Radio, Va Havana, Cuba	434.5 400	Silent 7:30-10:00	Silent 7:00- 9:00	6:45-7:00 7:30-10:00	7:30-8:30 7:30-10:00	Silent 7:00- 9:00	Silent Silent	Silent 7:30-10:00
WADC	Akron, Ohio Richmond, N. Y	258 315.6	5:30- 6:30 11:00- 1:00	5:30- 6:30	5:30- 6:30	5:30-10:00	5:30- 6:30	5:30-10:00	5:30-10:00
WAHG	Columbus, Ohio	293.9	8:15-10:00	Silent 2:00- 3:00	6:30-1:00 5:00-10:30	Silent 5:00-11:00	6:30-11:00 5:00-6:00	Silent 5:00- 6:00	7:00-10:00 5:00-11:00
WAMD	Minneapolis, Minn Baltimore, Md	244 246	6:15-10:30 Silent	6:15-10:30 5:30- 7:30	7:00-12:00 5:30- 9:00	Silent 5:30- 9:00	7:00-12:00 Silent	6:15-12:00 5:00- 9:00	6:15-12:00 5:30- 9:00
WBAP	Fort Worth, Tex Sisiht, Wis	475.9 406	6:00-11:00 Silent	5:00-11:00 10:00-11:00	6:00-12:00 9:00-10:00	6:00-11:00 Silent	6:00- 6:30 8:00- 9:00	6:00-12:00 7:30- 8:30	6:00-12:00 Silent
WBBM WBBR	Chicago, III StatenIsland, N.Y.	226 272.6	8:00-2:00 7:00-9:00	4:00- 2:00	6:00- 7:00	8:00-12:00	8:00- 2:00	8:00-12:00 7:00- 8:00	8:00-10:00 Silent
WBCN	Chicago, Ill	266	9:00- 1:00	8:00-9:15 5:00-12:00	7:00- 8:00 Silent	Silent 9:00-1:00	Silent 8:00-12:00	9:00-2:00	9:00-1:00
WBPI WBZ	New York, N. Y. Springfield, Mass	263 333.1	5:00-10:45 5:30- 9:00	Silent 6:00- 8:00	5:00-10:00 5:30- 9:30	5:00-10:00 5:30- 9:15	5:00-10:00 5:30- 9:00	5:00- 6:00 5:30- 9:00	5:00-10:00 5:30- 9:00
WCAE WCAP	Pittsburgh, Pa Washington, D.C.	461.3 468.5	7:30- 8:30 Silent	5:30- 9:15 3:00- 9:15	5:30-11:00	5:30-11:00 Silent	5:30- 9:00	5:30-10:00 Silent	5:30-9:30 5:00-11:30
WCAU	Philadelphia, Pa	278 344.6	Silent Silent	4:00-10:30	5:00-10:00 7:00-10:30	5:45-10:30	6:00-11:30 5:45-11:00	5:30-11:30	5:45-10:30
WCG0	Zion, III MinnSt.P., Minn.	416.4	6:15-11:05	8:00-10:30 4:10- 8:15	Silent 6:30-10:00	8:00-10:30 6:15-10:00	Silent 6:45-12:30	8:00-10:30 7:00-11:05	Silent 6:15-11:05
WCOA WCX	Pensacola, Fla Detroit, Mich	222 516.9	1:00-12:00 5:00-6:00	Silent 6:15- 7:15	6:30- 7:30 5:00- 8:00	Silent 5:00- 1:00	6:30- 7:30 5:00- 8:00	Silent 5:00- 8:00	6:30- 7:30 5:00- 9:00
WDAF WDB0	Kansas City, Mo Winter Park, Fla.	365.6	8:00- 1:00	4:00- 4:45	6:00-1:00	6:00- 1:00 8:30-10:00	6:00- 1:00	8:00- 9:30	8:00- 9:30
WDWF	Providence, R.I	440.9	Silent	4:00- 5:00 Silent	8:00- 9:30 Silent	6:45- 7:00	8:00- 9:30 6:25- 7:40	6:45- 7:00	6:45- 7:00
WEAF	New York, N.Y Providence, R.I	491.5 270.1	5:00-11:00 5:30- 9:30	1:00- 9:15 6:30- 7:45	5:00-11:00 5:30- 9:30	5:00-11:00 5:30- 9:30	5:00-11:00 5:30- 9:30	5:00-11:00 5:30- 9:30	5:00-11:00 Silent
WEAD.	Columbus, Ohio Cleveland, Ohio	293.9 389.4	Silent 6:00-12:00	Silent 6:00- 9:15	Silent 6:00- 7:00	6:00-8:00 6:00-11:00	7:00- 8:00 6:00- 7:00	7:00-10:00 6:00-10:00	Silent 6:00-11:00
WEBH	Chicago, III New York, N.Y	370.2 272.6	7:00- 2:00 Silent	5:00- 9:00 Silent	Silent Silent	7:00-12:30 7:00- 9:00	7:00-12:30 7:00- 9:00	7:00-12:30 Silent	7:00-12:30 6:00- 8:00
WEEL	Boston, Mass	348.6 285.5	7:10-10:00 Silent	2:00- 9:15	5:15-10:00	6:30-10:30	5:15-10:00	6:30-10:00	6:30-10:00 8:00-10:05
WENR	Berrien Spgs., Mic Chicago, III	266	6:00- 2:00	7:15- 9:10	7:15- 8:15 Silent	Silent 6:00-10:00	7:15- 8:15 6:00- 2:00	Silent 6:00-10:00	6:00-2:00
WFAA	Dallas, Texas New York, N.Y	475.9 272.6	6:30-12:00 10:30-1:00	6:00-12:00	6:30- 9:30 10:30- 1:00	6:30-12:00 10:30- 1:00	Silent 10:30- 1:00	6:30-12:00 10:30- 1:00	6:30- 9:30 10:30- 1:00
WFI	Philadelphia, Pa New York, N.Y	394.5 315.6	5:30-11:00 5:00-10:30	3:30- 4:30	5:30- 7:00 6:00- 6:15	5:30-10:30	5:30- 7:00 5:00- 7:30	5:30-10:00 5:00- 7:45	5:30- 7:00 Silent
WGBU	Fulford, Fla	278	5:30-12:00	7:00- 8:00 8:30-11:00	5:30-12:00	5:00-10:30 5:30-12:00	5:30-12:00	5:30-12:00	5:30-12:00
WGCP	New York, N.Y Oak Park, III	252 250	7:30-11:00 5:00- 1:00	2:00- 5:00 5:00-12:00	8:00-10:30 5:00- 7:00	Silent 5:00- 1:00	6:00- 8:15 5:00- 1:00	9:30-12:00 5:00- 1:00	6:00- 8:10 5:00- 1:00
WGHB	Clearwater, Fla Detroit, Mich	266 270	5:30-12:00 Silent	Silent Silent	5:30-12:00 6:00- 1:00	5:30-12:00 6:00- 1:00	5:30-12:00 6:00- 1:00	5:30-12:00 6:00- 1:00	5:30-12:00 6:00- 1:00
WGN	Chicago, III Buffalo, N. Y	302.8	6:30-10:00 Silent	3:00- 9:15	6:30- 7:00	6:30-11:00	6:30-11:00	6:30-11:00 5:30-10:00	6:30-11:00 5:30-11:00
WGR	Schenectady, N.Y.	379.5 275.1	5:30-11:00	6:45- 9:15 2:00- 8:15	5:30-11:00 5:30- 7:45	5:30-10:00 5:30-10:30	5:30-12:00 5:30- 8:05	5:30-11:30	6:00-10:30
WHAD	Milwaukee, Wis AtlanticCity, N.J.	275.1	Silent 6:30-8:00	3:15- 4:15 6:50- 9:00	6:15-10:00 6:30-11:00	6:15- 7:00 6:30- 8:00	6:15-12:30 Silent	6:15- 7:00 6:30-11:00	6:15-10:00 6:30- 8:00
WHAS	Louisville, Ky Trey, N.Y	399.8 379.5	7:30- 9:00 Silent	4:30- 5:30 Silent	Silent 8:00-11:00	7:30- 9:30 Silent	7:30- 9:00 Silent	7:30- 9:00 Silent	7:30- 9:00 Silent
WHB	Kansas City, Mo New York, N.Y	365.6 361.2	Silent Silent	8:00-1:00 2:00-11:30	7:00- 8:00 5:30-11:30	7:00-10:00 5:00-12:00	7:00- 8:00 5:00-12:00	7:00-10:00 5:00-12:00	7:00-8:00 5:00-12:00
WHO	Des Moines, la	526	Silent	7:30-12:00	7:30-12:00	7:30-12:00	6:00-12:00	7:30-12:00	7:30-12:00
WHT WIBO	Chicago, III Chicago, III	399.8 226	7:00- 1:00 6:00- 8:00	12:00-10:30 6:00-12:00	Silent Silent	7:00- 1:00 6:00- 2:00	7:00- 1:00 6:00-12:00	7:00-1:00 6:00-2:00	7:00- 1:00 6:00- 2:00
WIP	Philadelphia, Pa Providence, R. I	508.2 305.9	5:05-11:05 Silent	3:00- 4:00 5:00- 9:15	5:05- 7:00 6:45-10:00	5:05-10:30 6:30- 9:00	5:05- 7:00 6:30-10:00	5:05-10:15 7:00-10:00	5:05- 7:00 6:55-11:00
WJAS	Pittsburgh, Pa Jacksonville, Fla	275.3 336.9	6:00-11:00 7:00- 9:00	Silent	6:00-11:00	6:00-11:00	6:00- 1:00 7:00- 9:00	6:00-11:00 7:00-11:00	6:00-11:00 7:00- 9:00
WJAZ	Chicago, III	322.4	Silent	6:30- 7:30 Silent	7:00- 9:00 Silent	7:00-11:00 Silent	Silent	10:00-12:00	Silent
M1B M11D	Mooseheart, III Pontiae, Mich	370.2 516.9	5:30 - 1:00 6:00-11:30	3:00- 4:00 Silent	Silent 6:00-11:30	5:30- 1:00 6:00- 9:00	5:30-1:00 6:00-11:30	5:30-1:00 6:00-10:00	5:30- 1:00 6:00- 9:00
WICAD	New York, N.Y San Juan, P. R	454.3 340.7	6:00- 9:25 Silent	1:30-10:00 Silent	6:00-10:30 Silent	6:00-10:45 Silent	6:00-10:45	6:00-10:45	6:00-10:30
WKAR	Lansing, Mich	285.5	Silent	Silent Silent	6:15- 8:00	6:00-7:00	6:00- 8:00	6:00-7:00	6:15- 8:00
WKRC	Chicago, III	422.3 302.8	10:00-12:45 6:00- 1:00	6:45-12:30 5:00- 7:00	Silent	10:00-12:00 7:00- 1:00	7:00- 1:00	10:00-12:15 7:00- 1:00	Silent 7:00- 1:00
WLIT	Philadelphia, Pa Chicago, III	394.5 344.6	6:30- 7:30 7:00- 1:00	6:00- 7:30 6:00- 7:55	6:30-10:45 Silent	6:30- 6:50 7:00- 8:00	6:30-10:30 7:00-11:30	6:30- 7:30 7:00- 8:55	6:30-11:00 7:00-11:30
WLW WLWL	Cincinnati, Ohio New York, N.Y	422.3 288.3	7:00-10:30 Silent	3:00- 9:30 6:00- 7:00	6:00- 9:00 7:00- 9:00	6:00-10:00 Silent	6:00-12:00 Silent	7:00- 1:15 7:00- 9:00	Silent Silent
WMAK	Lockport, N.Y	265.5	5:15-10:00	6:30- 7:30	6:30-10:00	5:15- 6:15	6:30- 9:00	5:15- 7:00	Silent
WMAZ	Macon, Ga	260.7	8:00-10:00 Silent	Silent	9:00-10:00	8:00-10:15 7:00- 8:00	8:00-9:45 10:00-11:00	7:00-11:00 9:00-10:00	8:00-10:15 7:00-10:00
WMBB WMBF	Chicago, III Miami Beach, Fla	250 384.4	7:00-11:00 6:00-12:00	3:00-11:00 6:00-12:00	Silent 6:00-12:00	7:00-11:00 6:00-12:00	7:00-11:00 6:00-12:00	7:00-11:00 6:00-12:00	7:00-11:00 6:00-12:00
WMC	Memphis, Tenn	499.7	7:15- 9:30	Silent	7:15- 9:00	7:15-12:00	Silent	7:15- 9:45	7:15-12:00
WNAC	New York, N.Y Boston, Mass	340.7	5:00-10:00	6:00- 9:00 2:15- 7:45	5:30- 9:45	5:00- 8:00	5:00- 9:00	5:00- 8:00	7:00-10:45 5:00-10:00
WNYC	New York, N.Y San Antonio, Tex Lawrenceb'g, Tenn	526 394.5	6:00- 9:30 Silent	8:00-10:00 7:30-10:30	6:35- 9:30 Silent	6:10- 9:30 8:30-10:30	8:30- 9:30	6:35- 9:30 Silent	8:30-9:30
WOAN	Lawrenceb'g, Tenn Omaha, Nebr	282.8 526	Silent 6:00-12:00	9:00-10:00		9:00-10:00	9:00-10:00	9:00-10:00 6:00- 1:00	9:00-10:00 6:00-11:15
	at a first of the constant		a to source	Applyment of the	er in	service and	, Williams	Committee of the Commit	

Call	Location	Met.	Saturday	Sunday	Monday	Tuesday	Wednesday	Thursday	Friday
WOAX	Trenton, N. J	240	Silent	8:30-10:30	Silent	Silent	Silent	Silent	Silent
WOC	Davenport, lowa	483.6	6:30-12:00	6:30-11:45	Silent	6:30-11:30	6:30-10:30	6:30-12:00	6:30-10:30
WOK	Homewood, III		10:00- 1:00	6:30- 8:30	Silent	10:00- 1:00	10:00- 1:00	10:00- 1:00	10:00- 1:00
W00	Philadelphia, Pa		6:30-7:30	5:05- 9:15	6:30-11:00	6:30 - 7:30	6:30-11:00	6:30- 7:30	6:30-11:00
WOQ	Kansas City, Me		8:00-11:00		Silent	8:00- 9:00	Silent	7:00- 9:00	Silent
WOR	Newark, N. J		5:15-11:00	Silent	5:15-11:00	5:15- 7:00	5:15-10:30	5:15- 7:20	5:15- 7:00
WORD	Batavia, III	275	7:00-10:25	2:30-10:00	Silent	7:00-12:45	7:00-12:00	8:00-10:00	7:00-12:45
wos	JeffersonCity, Mo.		Silent	8:00- 9:00	8:00-10:00	Silent	8:00-10:00	Silent	8:00-10:00
WPG	Atlantic City, N.J.		5:45-11:00	2:15-10:00	5:45-11:00	5:45-11:00	Silent	5:45-11:00	5:45-11:00
WQJ	Chicago, III	447.5	7:00- 3:00	7:00-10:00	Silent	7:00-2:00	7:00- 2:00	7:00- 2:00	7:00 - 2:00
WRC	Washington, D.C.		6:15-10:30	Silent	Silent	6:00-10:30	Silent	6:00-11:30	Silent
WREO	Lansing, Mich		5:00-11:00	6:00- 7:00	5:00- 6:00	5:00- 8:15	5:00- 6:00	5:30-11:30	Silent
WRVA	Richmond, Va	256	Silent	Silent	7:00-10:15	Silent	7:00-10:00	7:00-10:00	6:00-10:00
₩RW	Tarrytown, N.Y		8:00-10:30			8:00-10:30	8:00-10:30	8:00-10:30	8:00-10:30
WSAL	Cincinnati, Ohio		7:30- 1:00	3:00-10:15	10:00-11:00	7:00-10:00	7:00-10:15	7:00-10:00	Silent
WSB .	Atlanta, Ga	428.3	8:00-12:00	7:30-9:15	8:00-12:00	8:00-12:00	10:45-12:00	8:00-12:00	8:00-12:00
WSBC	Chicago, III	209.7	6:30- 4:00	6:30-1:00	6:30-7:00	6:30- 1:00	6:30- 1:00	6:30- 1:00	6:30- 1:00
WSM	Nashville, Tenn	282.2	6:30-12:00	Silent		10:00-12:00	6:30-11:00	Silent	6:30-11:00
WSMB	New Orleans, La		9:30-11:30		9:30-11:30	Silent	9:30-11:30	9:30-11:30	Silent
WSUI	lowa City, lowa	483.6	Silent	9:15- 9:45	7:30- 8:30	Silent	7:45- 8:45	Silent	Silent
wsws	Chicago, Ill	275.1	6:00- 1:00		6:00 - 7:00	6:00- 1:00	6:00-1:00	6:00- 1:00	6:00- 1:00
WTAG	Worcester, Mass	268	Silent	3:00- 9:15	6:00-10:00	6:45-10:00	6:45-10:00	7:00-10:00	7:00-9:30
WTAM	Cleveland, Ohio	389.4	5:00-11:00		5:00-11:00	5:00- 6:00	5:00-11:00	5:00-6:00	5:00-6:00
WTIC	Hartford, Conn	475.9	5:30-11:00	4:00-9:30	5:30-11:00		5:30- 9:00	5:30- 6:30	5:30-11:00
MM1	Detroit, Mich	352.7	Silent	5:20- 9:15	5:00- 8:00	5:00- 8:00	5:00- 9:00	5:00-11:30	5:00- 9:00

STATIONS IN ORDER OF WAVE LENGTHS

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	66. WBCN	288.3 KF			394.5 7	VOAI	468.5	WCAP
	66 WGHB	288.3 WL		WMCA 3	399.8 W		468.5	WRC
	68 KFH		TBI 344.6	WCBD 3	399.8		475.9	WBAP
	68 WTAG		AIU 344.6	WLS 4	100		475.9	WTIC
	70.1 WEAN		EAO 348.6	KOB 4	105.2		475.9	WFAA
			PRC 348.6	KWSC 4	105.2		480	CYL
	272.3 KWKH		JOA 348.6	WEEL 4	106 W		483.6	WOC
	272.6 WBBR		XSL 350			CKAC	483.6	WSUI
			VPG 352.7		16.4 V	VCCO	491.5	KGW
			GN 356.9		21]	KIAF	491.5	WEAF
			LIB 356.9	CKCL 4			499.7	KFRU
	75.1 WHAD		FCL 356.9				499.7	WMC
			JAR 361.2				502.8	KFQB
			OKA 361.2		28.3		508.2	KLX
	275.1 WSWS	315.6 KF	'DM 365.6				508.2	WIP
	75.3 WJAS	315.6 KI	PSN 365.6	WHB 4	34.5		508.2	woo
		315.6 WA		WEBH 4			516.9	CJCA
	78 KWWG		GBS 370.2		135	AT9	516.9	WCX
			GR 374.8	KTHS 4			516.9	WJR
			MB 379.5		140.9 W		526	WHO
			COA 379.5				526	WNYC
	80.2 KMOX		JAZ 384.4		147.5 W			WOAW
			SAI 384.4		47.5		535.4	KYW
							545.1	KFUO
	82.8 WSM		NX 389.4	WEAR 4			545.1	KSD
						KTW		
			IAX 394.5			CAE		22 4 1
265.6 WMAK 2	85.5 WREO	340.7 KF	FAB 394.5	WLIT 4	167	KFI		x 6

TELLS SALAD SECRETS

(Continued from page 6)

salads that we need never be without

I will suggest a number of combinations that are possible at this time of the year. Cabbage, probably our cheapest salad Cabbage, probably our cheapest salad food, lends itself to many delicious salad combinations. The shredded cabbage should stand in cold water until very crisp before using. The combination of shredded cabbage with celery, pimento or green pepper, is always good, and I like to use it with grated raw carrots as the yellow carrot on the white cabbage offers a very pretty contrast. Such a salad may yellow carrot on the white cabbage offers a very pretty contrast. Such a salad may be served with either mayonnaise or French dressing. A combination of cabbage and chopped peanuts is best served with mayonnaise dressing. If fruit is used with the cabbage, a cooked dressing may be preferred. The combination of cabbage, pineapple and marshmallow with cooked dressing is very popular, and cabbage and apple are also used. bage and apple are also used.
With a fish salad made of salmon, tuna

shrimp or crab, use something crisp, such as celery, peppers or chopped sweet pickle. Cabbage may be used in place of celery in such a salad and hard cooked eggs and nuts are often added

Many Pleasing Combinations

A nourishing salad is made by stuffing prunes with cottage cheese or with American cheese grated and mixed with salad dressing. For a pretty vegetable salad combine green string beans and cubed cooked carrots, or you may use the grated raw carrots. The green and yellow colors offer a pleasing contrast. Sometimes i is best not to combine all of the ingredients. For example, an interesting vege-table salad is made by arranging peas, carrots and celery separately on a lettuce carrots and cetery separately on a fettuce leaf. The green and white colors are more effective separately than if mixed together. Macaroni mixed with apples and celery or with salmon or other fish and pickles make good combinations. In fact, you make macaroni salad with any combination, you would use for notate combination you would use for potato salad. You will find such a salad rather different and very appetizing for a hearty supper dish.

Gelatin salads are convenient because

they may be made ahead of time, and molded in various ways. Perfection salad, in which celery and cabbage are used, is a general favorite. A clear tomato jelly salad is also delicious, especially at the time of the year when fresh tomatoes are not available.

Tasty Fruit Salads

Tasty Fruit Salads

The apple, celery, and nut combination is probably one of the most convenient and popular of fruit salads. For a little variety, you may combine the apple with chopped peanuts, or add a few raisins or a bit of chopped green pepper. Grape fruit, and orange is another favorite served with either French, mayonnaise or a cooked dressing. I wonder if you do by best to

have tried the orange and onion combina-tion that sounds so queer and yet is so well liked? The large white Spanish on-ions are best for this salad, as they are more mild in flavor than the small ones. Banana salad may be made a little different by combining peanut butter with the cooked dressing before it is added to the bananas.

No doubt many of these combinations are old to you. I have not endeavored to give you anything new or startling because I have learned that what is old in one part of the country is new in another and vice versa. I hope that I have given you at least one suggestion force. given you at least one suggestion for a salad you have never made before.

SHORT WAVES

- By Marcella

(Continued from page 6)

Betty Lou wants to know all about Mac Ohman. I think she means Phil Ohman, the piano wizard. If she does, here is all the scandal that I could find out about the scandal that I could find out about him. He was formerly with the "Roxy" gang. After leaving Roxy, he joined up with Victor Arden, another pianist. They traveled under the term and the scandar with Victor Arden, another pianist. They traveled under the team name of Ohman and Arden, the piano fiends. They are now in musical comedy. Phil Ohman is exceptionally good-looking, with chestnut brown hair and blue eyes. He certainly can play the piano. His only occupation outside of Radio is the theatrical business. I think that he is married, but I am not sure. I will try to get more information when I see him later.

Isabel and Florence missed my lines about Pat Barnes of WHT and are deeply put out. Far be it from me to keep secrets about this handsome announcer, and inasabout this handsome announcer, and inasmuch as his life story was told several months back, I guess I can safely repeat and elaborate a little. He is a handsome, tall and not too slender, brunette, dark, wonderful looking and a man's man. Weighs 168 pounds, stands 6 feet tall, and is 32 years old. Still single, although rumor has spread around that he may not long stay that way. So some of the girls of Isabel's sorority tried to ambush and flirt with him but failed? I'm not surprised, because he is a faithful sort and prised, because he is a faithful sort and not the flirting kind. Pat leaving WHT in April? Not to my knowledge.

Jerry Sullivan, WQJ's Chi-CAW-goer, is married, yes. But I can recommend Eugene F. McDonald, Jr., WJAZ's fighting owner, as a most eligible bachelor. About 35 years young, he is, and very handsome, full of pep and personality. I'd marry him myself, but he hasn't asked me yet.

What deep secret would TOP

tar? I'll

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Vol. XVI

Saturday, March 27, 1926

No. 12

Who Will Be 1926 Microphone King?

THE third annual Radio Digest Gold Cup Award begins. Fans of a nation will pick their favorite annuancer anew. George Dewey Hay won the first cup in 1924. Graham McNamee won the second solid gold trophy in 1925. Who will be the favored "voice" this year?

Announcing standards and personality expressed through the loud speaker are again up for inspection. "Straight" versus "Character" announcers again have their tilt. Which kind of announcer will top the list at the end of the 1926 contest?

Last year over a million ballots registered the listeners' choice for favorite master of ceremonies. The winner, Mr. McNamee, received nearly 200,000 of these. The interest has been growing from year to year in this great effort of Radio Digest to impove announcing objectives and reward the best in the world.

Queer Thing This Radio

IT WAS recently reported in the newspapers that a woman had made a complaint to a broadcasting station that she heard its music when she was walking along the street. At a certain point on this street she heard it. So she wanted the station to quit broadcast-

ing before she lost her mind.

Upon investigating, the officials found that a youth had rigged a loud speaker extension in one of the trees near the spot where the lady heard music.

the mysterious phenomenom was explained.
As Shakespeare said, "There's Music in the Air."
This and other queer incidents reported often leads erroneously to the impression that there is something psychic about Radio. However, when a good technical man gets busy on the case and investigates carefully, he usually finds that the incident, while unusual, is supported entirely upon the scientific laws Radio has

is supported entirely upon the scientific laws Radio has always been known to follow.

Speaking of queer tricks of Radio, two readers built short wave receivers. One found that he heard the voice of his friend in his headset. He talked back to his friend through his headset. The friend heard him and replied that all he was doing was talking toward his short wave receiver's panel, and that the panel seemed to pick up the voice. The two were mystified

seemed to pick up the voice. The two were mystified and sought advice from this publication.

It was explained easily. Certain circuits act either as transmitters or receivers. The voice can be sent out by talking into one's headset. As for the reader who talked at his panel, it developed that he had a microphonic detector tube, and as he talked at the microphonic detector tube, and as he talked at the panel, his voice vibrations were transmitted directly to the elements of the detector tube, which in turn modulated the wave from his set and sent his voice out on the air.

All according to basic Radio principles it was, yet the two neighbors were puzzled. And why not? Better be careful what you say hereafter in front of your radiating receiver.

Another reader reports that he can hear talk and everything going on around a gas engine nine miles away from his Radio set, provided the gas engine is running. He wants the answer. It hasn't been explained yet, but no doubt will prove to be very simple,

and in accordance with understood principles.

The latest phenomenom occurred in a store at
Columbus, Ohio, when an electric phonograph of a
recently introduced type began to give the market and weather reports, and then finished off with the noon musical program from a broadcasting station a mile away. The storekeeper was amazed and nonpulsed. He sought technical advice.

The technician reported that the phonograph was equipped with a Radio amplifier which electrically reproduced and amplified the sounds registered on the records. The amplifier had been turned on and this

acted as an ordinary Radio receiver. Radio is extraordinary, we grant, but not enough take such incidents unexplainable. It is pecuary and a conjugate a Radio programs sometimes take, liar v human that people should be surprised result. However, be skeptical old to you, for they grow less an wl

ex

terious with repitition.

RADIO INDI-GEST

Memories

Oh, how I remember the first Radio we had, Although 'twas only a crystal set, it made us very glad.

It wasn't much for looks or anything like that, With a bunch of funny wires and the music always flat. Compared to sets today, one would classify it "junk." And the programs we received would be considered pretty "punk."

But we got an awful kick out of galloping around, And how we'd strain our ears to hear the faintest little

And we never became tired or thought of going to bed, We'd just sit there and listen with the phones glued to our head.

Those were the good-old, happy days, when everything was new.

Do we remember those old days?—You bet your life we do.

THAT RED-HEAD GAL

Hurray! Hurray! Bobette is back. And who don't remember when all the accessories that were needed were bed springs for an aerial and a radiator for a ground? And nobody kicked because they heard sopranos and a little static was no more than the stones in cherry pie.

Says Davenport, "Lend Me Your Ears" WOC, Davenport, has a listener in who has the unus wal gift of being able to click his ears as loud as the ticking of a watch. He has offered to do his stuff before their mike. So far, the program has been held up, awaiting the decision of whether it should be termed a duet or a solo.

OLIN RECORDER

Why not use the boy on code? Have the right ear for dots and the left one for dashes. Iowa, famous for its ears of yellow corn and their corn-fed population—may attribute these ears to pop corn.

Broadcast "Fable of the Chimes"
Did you tune in March 17 on WOC when they broadcast "Fable of the Chimes" which headed the Indi-Gest column last week? The poem by Charles Allen Branham was given at the conclusion of the Davenport station's chimes convert chimes concert.

Signify by Saying "Aye"

Adam made the famous Fans club by a wide margin. He was found to possess a dozen qualifications.

Accept Napoleon, because in his attempt to "by-pass" the Alps he was met with "resistance" which caused him to "switch" his "batteries" to "choke" the enemy "charge." He then established a new "station" with new "lines," by which he was able to "detect" the enemy and cause them to lose "ground."

Frank Cruber, because he composed "Silent Night"

Franz Gruber, because he composed "Silent Night."
The fact that he added "Holy Night" shows just how

Clever he was.

IMA BLOOP

Don't Longfellow come in for consideration for starting bedtime stories with his "Listen my Children and you shall hear?"

JONATHAN JAY

Radio Rhymes

Every Easter! Every Easter! Must I always hear-"Needa new hat—wanta new hat— Will you? Won't you?—Dear?"

Every Easter! Every Easter! All the cash I've made Goes for this hat—or for that hat—For the Church Parade!

Not this Easter! Not this Easter! —I'll not spend my dough!

She can go to church bareheaded
On the Radio!

CHARLES ALLEN BRANHAM

Try and Put It in a Jingle

Listen to this from KFI. It is one of the reasons why

speakers are loud. "Martha Van Hoomissen-Chevallier will play 'Die Tod und die Verklerung,' by Strauss, and accompany the 'Versonkene Glocke,' by Gretchaninnoff, sung by Antoinnette Konorocharakoff."

Moral: Fight on Silent Night

Somebody is wrong. Great statesmen have predicted that Radio will bring about world peace. How the heck can it when it won't even do it in a home. Man in Columbus, Ohio, was lodged in the city prison for giving his wife a black eye after she took two tubes out of their set and broke them because he wouldn't take her out one night, preferring to listen in.

Not a Miracle Play

Dear Indi: From the kind of guys these Turner birds seem to have been, I don't think this Peleg bozo will be able to talk from the dead to the persons gathered in the hunt-room for the reason that there aint no fire clay receivers with asbestos coils. SHOBIE

Depends Upon the Brand Listen and Learn How to Smoke Meat is Latest

-WCCO News Bulletin

Let's try it, friends. We will start out with Bull Dur-ham in the first lesson. Then a few puffs of Camels and Wild Boars will get us away from vegetarian nico-tine. Maybe in the next series we may learn how to chew Brown's Mule.

Not So Blind She Can't Wink



Condensed BY DIELECTRIC

The Cincinnati Conservatory of Music has contributed to the programs of WLW, the Crosley station in that city, some features of genuine merit which Radio listeners realize and appreciate. Arthur Brecht, solo cellist with the Cincinnati symphony orchestra, was another addition to high-class musical offerings, indeed, rivaling in tonal beauty and technical proficiency those recognized as world leaders of the instrument. The sonata form of musical composition has phases of interest to which music lovers are ardently drawn.

In miking some orchestrations, the brass smother the strings so as to leave an unbalanced effect, which is not the fault of the orchestra leader but of the arrangement before the mike. Again, a choir of the or-chestra is intended to stand out from the rest, as in picking up a theme for its development. This latter case applied to a portion of an orchestra concert put on the air from the studio of Station WOAW, Omaha, when the clarinets beautifully played their part with accompaniment by the other choirs. It was very well

A real treat is in store for the music lover who tunes in on WGN, Sunday evenings at 9:15 Central time. This station has inaugurated a novel feature in their Music Room. The announcer graphically describes the den of an old-fashioned music lover; in one corner is an old square piano, sweet-toned violins adorn the walls and the tables are covered with manuscripts yellow with age. The music master talks and calls the ghost of old-time composers. Each week a different composer's work is heard.

If organ recitals mean anything to you, I would suggest tuning to WEAR, Cleveland, and sampling some of their concerts. Especially commendable was a concert given there recently by Vincent Percy and a group of soloists happily selected for the program. We have on occasion listened to organ recitals where the performer failed to make use of the subtle combinations of stops to produce effects impossible with any other musical instrument, yet no such detraction occurred while Mr. Percy entertained. His work was modestly performed with pleasing result.

The Gold Medal Station, WCCO, Minneapolis-St. Paul, is no slouch when it comes to dance programs and if you doubt that, just try them while the Golden Pheasant dance orchestra is on the air. You may prefer numbers not appearing on their programs, but few will be disappointed with the rendition of such as do appear there. Maintenance of rythym and spir-ited playing are noteworthy attributes and what more do lovers of dance music demand? Try them out.

The Atwater Kent concerts have produced some remarkably fine musical talent, in fact, many of the fore-most artists in the world have, or will, appear before the mike in the studio of Station WEAF, New York. To find what stations are linked in the chain of broadcasters turn to the advance program pages. I shall review two concerts in this paragraph. When the London String Quartet played, their program was notably lacking in contrast, which may be set down as due to unfamiliarity with Radio broadcasting. Comparisons may be out of place, but I make bold to state that the exquisite nuances and virile attack so characcamels acking to a marked degree. Again, we had the good fortune to hear Josef Hofmann, master pianist, in familiar works. A great night.

1926 Model Four-Filter Super-Heterodyne

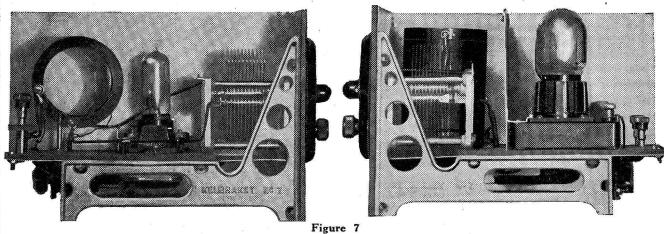
Part III—Assembly and Wiring

By the Technical Editor

N LAST week's article, the work was taken through the alteration and drilling stages ready for assembly. The front panel assembly should cause no one any particular trouble so far as the condensers, brackets and switch are concerned. The right condenser mounts tight cerned. The right condenser mounts tight up against the brass shield; the brass was cut away sufficiently for the left condenser that the mounting pillars could be tight against the panel yet not touch the brass. For use in mounting the potentiometer, cut a cardboard disk the same diameter as the base of the potentiometer and cut small holes in it to pass the three mounting screws and the shaft. This unit is then mounted with the cardboard between the bakelite base and the brass shield; the cardboard is used only to be sure the lock washer around the shaft does not touch the shield.

Sub Base Assembly

The assembly holes in the sub base may need a little explanation. In the rear left corner will be found a hole 1½ inches from the left edge and 113/16 inches from the rear edge. To the right of it 21/4 inches is another hole. These are for the pins on which the Cruver coil are for the pins on which the Cruver coil is mounted. In front of these, and to the right of the Bradleyleak, are two more holes 2½ inches from front edge of sub base and 2 inches apart. These take the Benjamin socket for the first detector, mounted with P and F terminals to the rear. Proceeding further to the right and % inch from the front edge will be found four pairs of holes 1 inch apart for four more sockets and each is mounted with P and F terminals to the front. This brings us to the third pair front. This brings us to the third pair of bracket holes. Just to the right of them and only ¼ inch from the front edge, are two holes 115/16 inches apart for the oscillator tube socket, mounted with P and F to the front and with more than half the base hanging over the front edge. This will be clear from figure 5. The small hole a little further to



1 PIECE NEEDED Nº 26 HALF HARD SHEET BRASS

1016

port the oscillator coupler so that it also right angle brackets. Two holes are landing posts are placed in the two holes hangs over the brass beyond front edge needed to support the Daven unit in place. behind this Daven unit and 11/16 inch in of the sub base. 1% inches from the rear edge and just from rear edge of sub base. The Bradley-

2 PIECES NEEDED Nº 26 HALF HARD SHEET BRASS SOLDER HERE FOR FASTENING SHIELD TO GANG, T SOCKET MOUNT 25 CUT BOTH PIECES HERE SHALL THE OTHER PIECE HERE CUT FIRST PIECE HERE

Figure 8

ure 5. The small hole a little further to lengthwise, 9% inches apart and 1s inch right and % inch from front edge takes the small right angle bracket used to sup-

The two small holes near the center to right of the third bracket holes from left is one of these holes; the other is 2 inches apart and $\frac{1}{16}$ inch left is one of these holes; the other is 2 inches from the front edge of the sub base and $\frac{1}{16}$ inch in from right edge. | leaks are put in, in both cases, with terminals to the right. Secure the assembled sub base to the brackets, which have (Continued on page 20)

Test Your **Tubes** at Home "It is Easy"—

The Jewell Jr. Tube Checker No. 107 is described in our special circular No. 735

If you have a Jewell Jr. Tube Checker.

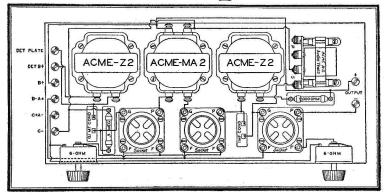
¶ One poor tube in a set may be the cause of all of your radio trouble.

Owners of New Radiola, Victor and Brunswick sets should have a Jewell Pin-Jack Voltmeter

1650 Walnut St., Chicago

"26 Years Making Good Instruments"

The Last word in audio amplification



Impedance • • • Transformer • • • Impedance

THE diagram above will give you some idea of the very latest step in audio amplification. This is the outgrowth of nearly 7 years of experience in working on proper amplification-the problem of "How well you can hear.

Acme research work has been confined to audio amplification

and reproduction, and here you find the latest result. An audio amplifier using the combination of impedance and transformer coupling with over-all amplification greater than two transformers, and far superior in quality, no matter what the type of transformer used. Whatever set you have, just add this amplifier to



Transformer, price \$5

your detector and notice the difference.

A complete working diagram of the above chart will be sent you for 25c. It is easier to follow than the plainest road map. With this chart we shall be glad to send you free a copy of "Amplification Without Distortion,"

a famous radio book over 300,000 radio fans have found helpful. It tells the whole story of distortion and how it can be overcome. Use coupon below for convenience. Acme Apparatus Company pioneer radio and transformer engineers and manufacturers, Cambridge, Mass., U. S. A.

ACME APPARATUS CO., Dept. N14, Cambridge, Mass.

Enclosed find 25c. Send me diagram and "Amplification Without Distortion."

City .

FOUR-FILTER SUPER

(Continued from page 19)

previously been attached to the front panel. Then add the Amperite strip to the back surfaces of the two central brackets and solder the bypass condensers in the positions shown in the photographs, figures 5 and 6.

The wiring of this set begins with the negative filament connections. Using a piece of heavy rubber covered wire, connect the minus A post on the Daven unit, through the sub base and forward to one of the filament switch terminals. The other switch terminal connects, with a 1-inch piece of wire, to the front panel

plus A binding post, the connections to all tubes, from the plus A of a storage bat-tery, are completed.

Binding Post Strip

For the antenna and ground binding posts, a small piece of $\frac{1}{10}$ -inch bakelite is needed, 1 inch wide and 3% inches long. A hole is bored in this ½ inch in from each end; % inch in from each of these holes bore another. These two holes 1 inch apart are for the antenna and ground binding posts while the outer two are for long 6-32 machine screws which go down through %-inch pillars and the sub base and are secured beneath the sub base with hex nuts. This supports the binding posts up away from the sub base

front terminal on the second Bradleyleak The rear terminal of this leak connects up through another 4-inch hole, pro-vided, to the rear right terminal of socket

posts on the Master unit, connect the second post to the rear left terminal on socket 2 and the third to the front right terminal on that same socket. The fourth goes to the rear left terminal of socket 3 and the fifth to that socket's front right terminal. The sixth Master post goes to the rear left terminal of socket 4 and the seventh to that socket's front right terminal. From the eighth post, a heavily insulated wire goes down through the ¼-inch hole provided and forward to the

 Connect another Hilco .00025 mfd. condenser across the second Bradleyleak. Grid and Plate Returns Going now to the upper row on the Master unit, connect the first post with a long piece of the heavily insulated wire, DAVEN SUPER-AMPLIFIER (AUDIO) X)-B+(X)

R5 R3 **⊗**INDICATES BINDING POST USED FOR EXTERNAL CONNECTIONS

Figure 9

brass shield below sub base, at a point just in front of the front edge of the bake-lite sub base. Similarly, connect the left front terminals of the three intermediate sockets and the second detector, also the sockets and the second detector, also the front right terminal of the oscillator socket (No. 6). Now drop a piece of wire through sub base from the negative B post on the Daven unit and solder, it to the brass shield below sub base. Thus, if the negative of a storage battery is connected to the negative A post on the Daven unit (remember, it was altered) and the switch is closed, connection is made through the shielding to each tube.

made through the shielding to each tube. Now slip a soldering lug under the positive A post on the Daven unit and to it solder a piece of heavy rubber covered wire which goes down through sub base to the nearest Amperite unit. A piece of ordinary bus bar can then connect the lower right ends of all six Amperites. Now connect the upper end of the left Amperite, with a piece of the heavy rub-ber covered wire, to the rear left terminal of the first detector socket at left end of set. Call that socket number 1 and the 199 sockets from left to right as 2, 3, 4, 5 and 6. Connect the second Amperite from left to socket 2 at the rear right terminal, the same with Amperite 3 and socket 3, Amperite 4 and socket 4, Amperite 5 and socket 5 (second detector) and connect the upper end of Amperite 6 to the rear left terminal of socket 6 (oscillator). Since the proper terminals in the

shield. Now connect the front right ter- and its shield. With ordinary bus bar minal of the first detector socket to the connect the left binding post to that end of the primary whose terminal is in the left coil ring and the right binding post to that end of the primary with its terminal in the right ring. Another short piece can connect this right terminal to the right coil support thus connecting it to the shield.

Now connect the left secondary terminal of the coil, forward to the left soldering lug on the stator of the left con-denser, bending the wire down so it is but ¼ inch above sub base. It will thus pass over the ¼-inch hole bored just to left of the Bradleyleak. With a piece of the heavy rubber covered wire connect this last wire, down through the sub base to the rear terminal of the Bradleyleak. With another piece of the heavily insulated wire connect the front terminal of the Bradleyleak to the left front corner terminal of socket 1. Connect one of the .00025 mfd. Hilco fixed condensers across the terminals of the Bradleyleak as shown in the photos. There are two soldering lugs on the rear end plate of the X laboratory condenser, so run a wire from that in the upper right corner down to the right end terminal of the secondary of the coil. From the rear left corner terminal of socket 1 run a wire straight to the right and solder to this last wire put in. This

completes the input circuits.

A short piece of the heavily insulated wire is used to connect the rear right the rear left terminal of socket 6 (oscillator). Since the proper terminals in the lower row (P) post on the Master unit, Daven unit are already connected to the bending this wire down against the sub

down through sub base and across above the Amperites to the right one of the two extra binding posts put in behind the Daven unit. On the Master unit again connect the second, fourth and sixth (F and F) terminals together and the third fifth and seventh (plus, plus and plus) to-gether. A ¼-inch hole is provided below post 7 and from the seventh terminal in the upper row drop a heavily insulated wire through sub base and back to the left one of the two separate binding posts back of the Daven unit. Where this wire comes out below sub base, connect a wire to it and across to left to the right terminal of the 1 mfd. Tobe condenser placed to left of the second Bradleyleak. The left terminal of this condenser is soldered to the brass shield placed under the sub base.

From the left post on the potentiometer drop a heavily insulated wire through sub base and back to the lower terminal

base. Speaking now of the lower row of of the second Amperite from left. From the right post on the potentiometer drop a wire to the front soldering lug on the 1 mfd. Tobe condenser shown and solder both to the flat shield on which the con-denser is placed. From the rear soldering lug on this condenser run a wire up to the center post on the potentiometer. From the eighth post in the upper row on the Master unit drop a wire to the rear right terminal of socket 5.

We now come to the oscillator unit.

From the lower terminal of the plate coil on the oscillator coupler run a wire forward between coil and condenser, then to left to the front left terminal on socket 6. Now connect the upper terminal of the grid coil with a short wire to the left stator soldering lug of the variable condenser and continue this wire down and across in back of the coil to the rear right terminal of the socket. Now connect the lower end of the grid coil to the lug on the upper left corner of the rear end plate on the condenser (about 1 inch) and continue the wire forward and to left to the front right terminal on the socket. From the upper end of the plate coil, use a piece of heavily insulated wire and drop it down through the ¼-inch hole provided and back to the right one of the two separate binding posts (plus 45). Where this comes through below sub base con-nect it to one terminal of a 1 mfd. con-

denser as shown in the photographs and connect the other terminal of this condenser to the flat shield.

Pick-Up Coil Two terminals remain on the oscillator coil which are from the pick-up coil or rotor. From each of these drop a piece of heavily insulated wire down through sub base and across to left to the ¼-inch holes provided just below the right bakenoies provided just below the right bake-lite ring on the Cruver coil. Bring them up through these holes and connect one to each of the terminals provided from our special two-turn winding put on the Cruver coil. These wires carry the energy from the oscillator circuit and impress it onto the first grid circuit.

Now to clean up a few odds and ends and we are through. A piece of the rubber covered wire is used from the front right terminal on socket 5 to go straight back and to P post at left end of the Daven unit. Connect the .002 mfd. Hilco condenser across the front left and front ight terminals on socket 5. This is condenser C8 in the wiring diagram. From the B post (second from the left) on the

(Continued on page 22)

"The Better Condenser"



HOUSANDS will build or buy B-Eliminators this I spring and summer.

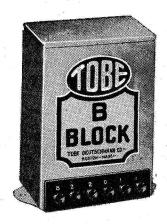
The Public is just beginning to realize the wonderful advantages of them.

If you build a B-Eliminator, make sure that you use TOBE Condensers in it. THE TOBE B BLOCK combines in a single unit all of the filter condensers required, sells at \$11.00, and saves you \$2.50 over the cost of separate condensers. It saves much space and wiring labor. Dimensions are 4 in. $\times 2\frac{1}{4}$ in. $\times 5\frac{1}{4}$ in. high.

If you buy a B-Eliminator, make sure that it uses the TOBE Condensers. Most of the good ones do.

And, in building your improved, resistance or impedance coupled audio amplifier and in by-passing the B Battery in your set for perfect reproduction without noise, use the TOBE Condensers.

At your dealers in the distinctive silvered case and silvered carton.



Tobe Deutschmann Co. BOSTON, MASS.

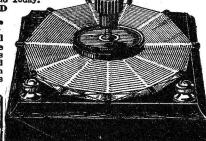


Select stations at will. With music and voices crowding the air the average set fails to bring in the desired stations properly. The Steinite Interference Eliminator shuts out local and other interference. You get one station at a time, the one you want, and tune in loud and clear. Operates on any set—attach to aerial wire and to set—ne changes—ne extra tubes or batteries. Greatest Dollar Value in Radio Today.

OVER 300,000 SOLD

Improved Results With Tube or Crystal Try entirely at my risk the wonderful improvement this inexpensive little device will make in the reception of your set. Improves results on both crystal and tube sets that use any kind of aerial except loop antenns. Clears up reception wonderfully, increases volume, and partially absorbs static. MONEY-BACK GUARANTEE.

Mirs. Famous 1,500 Mi. Steinite 1-Tube Set,\$6; Long Distance Crystal Set, \$6; Steinite Crystal 50¢—3 for \$1 STEINITE 5-Tube Set—\$9075 FREE Descriptive Literature on request.



Postpaid If you are not delighted with results you get your dollar back

SATORIES. 161 Radio Bldg., ATCHISON, KANSAS

How to Stop Blooping and Man-Made Static

Part VII—51 Types of Interference

By the Technical Staff

GOOD Radio receiving set is one of the most sensitive instruments made by man. In the bureau of standards in Washington there are some of the most delicate mechanical and electrical devices in the world for measuring weights, lengths and electricity. The most sensitive of these devices, which are operated only by scientists with years of training, is hardly more sensitive than some Ragio receivers. The real wonder of Radio broadcast reception is that it has been possible to make these ultra sensitive instruments so simple and convenient to use that persons with no scientific knowledge or training are able to get such wonderful results from them. A good Radio receiver will give understandable resception if the radio frequency voltage received on the antenna is only .0001 wolt: per foot. Is it surprising that your receiver picks up scores of disturbing noises?

Electrical Interferences

It is not yet possible to prevent static from interfering with Radio reception. Aside from static there are many causes of noises in your receiver. A large number of the receiver of the rece ber of these are produced by electric devices of various kinds, some of which may be in good condition and operating as they are supposed to operate. It would be possible, of course, to do away with all these noises, but this would be at the expense of giving up all of our modern electrical conveniences, including electrical transportation, automobiles, motors and all household electrical devices. This, of course, is a price none of us would consider paying. Let us take a look at some of the sources of man-made interference, for which list we are indebted to Mr. E. P. Peck of the Utica (N.Y.) Gas and Electric company.

- In Receiver or Accessories:
 1. Improperly tuned receiver
 2. Loose connection in set or speaker
- 3. Defective grid leak
 4. Shorting condenser plates
- 5. Defective fixed condenser
- Discharged or weak batteries
- Loose battery connections
 Defective B battery eliminators
 Socket trouble
- 10. Poor tubes

From Apparatus in Your or a Neighbor's Home:

- Vacuum cleaners
- 12. Sewing machine motors13. Violet ray machines
- 14. Ozonators
- Door bells and buzzers Switching of lamps, etc.
- Thermostatic heating pads Some types of oil burners
- Certain washing machines
 Vibrating battery chargers
 Some electrolytic chargers
 Elevator controllers

- Bad contact in switch, fuse or socket Set too close to lighting wires

From Outside Sources:

- 25. Defective transformers26. Regenerative receivers
- 27. Sign flashers

Gets Everything But Noise!

Read this convincing letter from a man who has "listened and marveled":

"Atchinson, Kan.
Kane Antennae Co.

Dear Sir:
The Kane Antennae sure does the work. It has eut down local interference until you cannot notice it. Now I am in as bad a place as can be found for radio. So my trouble is over with interference. Showing you that I am more than satisfied, I want the same kind of a Kane Antennae with aerial and counterpoise for my home. I am using this one at the store.

CHAS. MILLER CHAR.

CHAS. MILLER CIGAR STORE"

Improves Reception 60%

Entirely eliminates all power noises such as leaky transformers, generators, motor hums, Delco Plants, etc. Cuts static and regeneration howls and squeals in two. Dr. Gehrig of Oakland, Cal, says it improves his reception fully 60 percent. Do away forever with disagreeable noises.

\$1.00 Brings BLUE PRINT Complete Working Drawings and full instructions for erecting this wonderful Antennae. Just send \$1.00 (a check will do. Stamps not accepted). A limited number available. Send TODAY.

KANE ANTENNAE CO. Dept. 823C, 3034 W. Van Buren St., Chicago, III. Dealers—Send at Once for Attractive Proposition.

KANE ANTENNAE

39. Electric welding apparatus 40. Doctor's X-ray machines 28. Commercial code stations Amateur code and phone stations

> "A Wonder" says user:-

"The Loud Speaker is a won-der. I never heard anything like it. I put it to a little test a few nights ago and it was heard clear and loud nearly one-half

mile from my place through an open window."

Induction coils

With the Radiotone all the family

31. Electric street cars 32. Defective rail bonding

33. Heterodyning between stations 34. Overlapping of stations

35. Telephone ringers36. Telephone and telegraph lines

37. Arc motion picture projectors 38. Motors of commutator type

41. Static machines

Static produced by belts

Manufacturing processes High potential circuits

Arcing wires in trees

Leaking power line insulators

Defective power lighting arrestors

48. Street lamp loose in socket 49. Bad contact in switches

50. Smoke precipitators

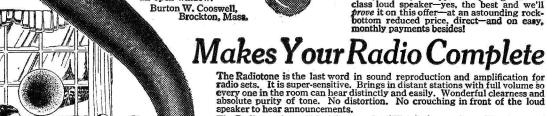
51. Defective street light rectifiers.
Fairness to Power Company

This does not cover all possible sources of trouble by a great deal. However, in this list, it is seen that there are ten possible kinds of trouble that can be caused by your own receiver or the apparatus connected to it. There are fourteen kinds of trouble that may occur in the

(Continued on page 22)



—the same loud speaker that is selling everywhere for \$25.00—now at a everywhere for \$25.00—now at a sweeping cut price, only \$19.95 and on easy monthly payments, besides! Only \$1.00 with the coupon below brings the Radiotone to your home on approval for 30 days! No radio is complete without a loud speaker—a good loud speaker. The whole family may "listen in" at the same time, leisurely—instead of taking turns at the headphones. Or if you have a loud speaker now that isn't satisfactory, that doesn't bring in stations loud and clear, this is your opportunity to get a first class loud speaker—yes, the best and we'll prove it on this offer—at an astounding rockbottom reduced price, direct—and on easy, monthly payments besides!



speaker to hear announcements.

The Radiotone has a 14-inch horn made of Thorite in one piece without seam or joint, accoustically correct. This eliminates the metallic clang you often hear in other loud speakers. The reproducing unit is entirely enclosed at the base of the horn. The well balanced construction does away with all vibrations. The Radiotone has a graceful shape with a beautiful black florduline finish. It stands 23 inches high and weighs only 15 bbs. No extra batteries needed for the Radiotone—just plug it in as you do your head set. Nothing to wear out or get out of order. Sent complete with cord and plug.

30 Days Trial!

When the Radiotone comes, there's nothing to pay. Use it freely at our risk, on trial for 30 days. See how much more use and fun, you and all the family get from your radio with this loud speaker. See how loud, clear and distinct the Radiotone brings in all stations—better than any other loud speaker you've ever heard, giving you the best that is in your set. After 30 days trial if you think you can get along without the Radiotone, return it to us and we will refund your dollar plus all transportation charges. No red tape. The trial costs you not a cent.

§3∞aMonth

But if you decide to keep the Radiotone, pay only \$3.00 a month until you have paid the special reduced price—only \$19.95. See if you can equal this offer anywhere on such amazingly liberal terms. You'll scarcely feel those small monthly payments. Surely, now, you can afford to have the Radiotone—the best loud speaker—and get the most fun out of your radio set for all the family.

Straus & Schram, Dept.R-6413 Chicago, Ill.

Enclosed find \$1. Ship special advertised Radiotone Loud Speaker, I am to have 30 days free trial. If I keep the Radiotone, I will pay you \$3.00 monthly, total reduced price, \$19.95. The Radiotone is to become my property as soon as you receive the final payment. If not satisfied, I am to return it within 30 days and you are to refund my money and any express charges I paid.

My Name (Head of the family must sign this order. If y	ou are not of age, have your	parent or guardian orde	r for you.
My Street Address R.F.D. or Box No			
My Post Office		My State	
My Shipping Point	I har thi	ve lived in Town	year
And before that I lived in	State	for	year
Occupation is		Married or Single	
Give names of merc	hants who know you	personally	
Name	Town	State	
Name	Torne.	State	

Send Coupon Seize this opportunity

on this special offer. Only \$1.00 with the coupon brings the Radiotone on 30 days' trial, satisfaction guaranteed, your dol-lar refunded if not satisfied. Send the coupon *now* while this special offer lasts.

Straus & Schr

Dept. R-6413 Cl

FOUR-FILTER SUPER

(Continued from page 20)
Daven unit, drop a wire through the sub base and to the left one of the two separate binding posts (plus 67). The Hilco .005 mfd. condenser is now connected to the OUTPUT binding posts on the Daven unit. An Eveready C battery is set up-right against the front panel, resting on the flat shield and just to left of the second bracket from left in front of socket 2; plus to right. From the fifth post in the upper row of the Master unit run a wire forward and to left to the "minus 3" of this battery and from the plus on the battery run a wire down and to right to the center post on the potentiometer. This battery is not shown in the wiring

Secure two of these Eveready C batteries to the underside of the flat shield beneath the Daven unit and connect them in series, that is the plus on one to the minus 4½ of the other. Two holes (not shown in drilling layout) will have to be put through the sub base 5½ inches from rear edge and 3 inches and 2½ inches in from loft edge. The stren is inches in from left edge. The strap is removed on the Daven unit connecting the front end of the last resistor to a post close against the third socket. The plus on the C batteries not previously connected is connected up through the sub base to the post close to the third Daven socket and the remaining minus 4½ on the C batteries is connected up through to the front end of the last resistor, put-ting 9 volts of C on the grid of the third Daven tube.

The layouts for the three remaining shield pieces are shown here. Of the two notched, one goes tight against the left end of the Master unit, while the other fits snugly against the right side of the third bracket from left and passes about 1/4 inch to right of the right end of the Master unit. Before putting in this last named one, connect a four-inch piece of flexible wire to the grounding post pro-jecting from the right end of the Master unit and then insert the shield. The end of this wire can now be soldered to the shield at its rear edge. The third and unnotched shielding piece goes between the oscillator equipment and the Daven unit. The screw holding the front right corner of the Daven unit is loosened and a small right-angle bracket is slipped under it, the vertical portion of this bracket being soldered to the shield just put in.

Antenna and ground connections are made

to the first and second binding posts at the left rear corner of set. Battery connections are made as follows: Plus A on the storage battery to plus A on the Daven unit, minus A on battery to minus A on the Daven unit. Negative of a 45-volt B unit connects to negative B on the Daven unit. Plus of this first B unit connects to negative of a second one and to the right one of the two posts behind the Daven unit. The plus 22 post on this second B unit goes to the left of the two separate binding posts while plus 45 of this B unit goes to negative of a third B unit goes to the plus 45 of this B unit goes to the plus 45 of this B unit goes to the plus 45 of this B unit goes to the plus 45 of this B unit goes to the plus 45 of this B unit goes to the plus 45 of this third B unit goes this third B unit goes to the plus 45 of this third B unit goes to the plus 45 of this third B unit goes the B unit. Plus of this third B unit goes to plus B on the Daven. The speaker goes to the two OUTPUT posts of the Daven

If the ends, back, top and bottom of the cabinet are lined with the number 20 half hard brass it will be seen that the input circuit is in one pocket, the in-termediates and second detector in another, the oscillator in a third and the radio frequency amplification in a fourth.

CLASSIFIED ADVERTISEMENTS

BLUE PRINTS

Super Using J. K. Long Wave Air Core Transformers and standard parts. Eight tube set which will cut down interference, static and local noises 50%. Tone Rich and Full Reception. Loop Long Range, New principle in hetrodyne. Prints and assembly instructions 50 cents. James M. Davis Co., 30-A Euclid Arcade, Cleveland, Ohio.

PATENT ATTORNEYS

PATENT ATTORNEYS

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

RADIO

Big bargains in radio sets and parts. P. V. Grasberger, Bumpass, Va.

Synthetic or Galena Crystal as good as the best, better than the most. Sent any place in U. S. for 25 cents. Money refunded if not satisfied. A. F. Thompson, 704 N. Marsalis Ave., Dallas, Texas.

Five tube radio sold on easy terms to anybody anywhere. One year to pay. Descriptive circular and payment plan free on request. Enclose stamp. Serlin & Co., 1417 Broadway, Detroit, Mich.

MISCELLANEOUS

Photos of Your Favorite Radio Stars. Ten cents and con appearing on another page of the infinite your to one of the post gallery of stars. cents and page of t of the p of stars born St

HELP STOP BLOOPING

(Continued from page 21) electric equipment in your own house or in your neighbor's house. There are twenty-eight sources of trouble that ordinarily are outside your house, and, of these, nine may be in power companies' narily lines. Power companies, as a rule, are very desirous of locating and correcting every case of Radio interference caused by their lines or equipment. A power company is, however, organized for the purpose of delivering electric service to its customers at the lowest possible cost, and they cannot incur unjustified expenses.

Cause Little Interference

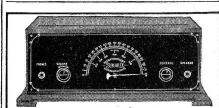
Your power company would be subject to severe criticism if it incurred large expenses for things entirely outside its normal business. You can see from looking over this list that only a small fraction of the troubles experienced by broadcast listeners are due to power companies' equipment. The power company cannot undertake to correct Radio troubles not caused by its system, and it should not be called upon to investigate sources of

GOLDENROD GOLD PLATED AERIAL

Used by broadcasting stations and ships at sea for higher efficiency and no corrosion. Approved by Popular Science Institute of Standards, Popular Radio Laboratory, Everybody's Radio Weekly Laboratory and others. Guaranteed to bring in more stations, better reception, greater distance, more volume. Agents and Dealers write.

and Dealers write.

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The wonderful SUPERFLEX radio

NEW CIRCUIT—ONE DIAL (one condenser—pat. pndg.) Not reflex. Volume, Clarity, Distance, Selectivity.

Sample to Rated DEALERS, TEST ONE. RADIO PRODUCTS CORPORATION, (Inc.)
3816 N. 28th St.

Birmingham, Alabama

A&B Battery & Charger ONLY



SATISFACTION **GUARANTEED**

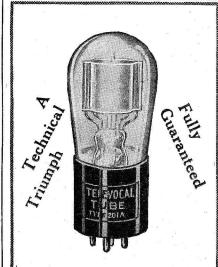
Charges any type of storage A or B battery, using a few cents worth of ordinary house current. Works perfectly on either alternating or direct current. Cannot injure battery and lasts for years. May be used as a trickle charger. Complete directions enclosed — anyone can operate. No expensive "extras" to buy.

Why pay \$10.00 to \$18.00

extras" to buy.

Why pay \$10.00 to \$18.00
for a charger when you can
get this splendid GUARANTEED B. B. Charger by
mailing us two dollars (bills, money order, check or
stamps) plus 10c in stamps or coin to pay mailing costs.
Charger will be sent postpaid. If you are not satisfied, return within five days and we will refund your
money, Order at once—TODAY.

R. B. Specialty Company 308 East Third, Dept. 340, Cincinnati, O.



Televocal Corp'n 67 A Pieth Ave. - New York

Every Radio set owner has the duty of finding out whether the trouble is caused by his own set or by something in his house before he calls on the power company. If you are not capable of making the necessary simple tests, or do not care to make them, you should call on the Radio dealer who supplied the set for his assistance and you should expect to pay

him for his work.

Join Radio Club

Find out if there is not a Radio club in your locality. Nearly all such clubs now have experts to go out and check up interference troubles, or have the equipment for doing this work by members.

A "RADEX" Tuning Chart A KADLX Juning Chart Shows by dial numbers, wave length to which set is tuned. Tells where to place dials for any station. Identifies programs received without announcement.

Adapted to any set

Send 25c Coin or Stamps

RADEK, BOX 143-S, CLEVELAND, O.

Radio Bargain Hunters This Cabinet \$245

with built in speaker

also carried in 7x24-7x26



el Size Price \$3.45 3.95 4.95 Values to \$14.00

in 7x24—7x26

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

Values to \$14.00 \text{ Included.}

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

Send for the Bass Bargain Bulletin and save money on your radio needs. A. H. BASS & CO.

744 N. Clark St., Dept. 14, Chicago, Ill.



9 "ROXY" ROTHAFEL OF Size 11x14 inches

Photogravures of **Your Favorite Artists**

GALLERY OF RADIO STARS

By special arrangement, Radio Digest is able to offer its readers a great opportunity to secure fine photogravures of their favorite Radio stars at practically no cost. Below is only a partial list of the photogravures now included in the Gallery of Radio stars. Complete list in March 20 issue.

- 1 Wendell Hall, king of ukulele ditties. 2 Graham McNamee, 1925 Gold Cup
- 3 Jack Little, popular wandering bal-ladist.
- 4 Billy B. Van, the Sunshine Man.

COUPON NO. 14

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.

Order by Number

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

trouble over which it has no control. | Full descriptions of the apparatus used by clubs and power companies for searching out sources of trouble will be pre-

sented in later chapters of this series.

(Next week's installment of this series contains the tests for locating the more ordinary sources of trouble and means for correcting these difficulties when found .- Editor's Note).

Eliminate all batteries, "A," "B" and "C." Any type of set, any type of tubes, and any number of tubes. Smooth, steady flow of current for filament and plate. Either Direct or Alternating Current. No Hum. Complete plans, blueprints and all instructions for only—\$2.00. Fully guaranteed—can be built by any radio amateur or fan. Send for a set today, mentioning type of current used.

ENGINEERS SERVICE COMPANY
Suite 203, 15 Park Row NEW YORK

FOR CLEAR, QUIET "B" POWER



12 Cells Lasts Indefinitely—Pays for Itself Economy and performance unheard of before. Recharged at a negligible cost. Delivers unfailing power that is clear, pure and quiet. Approved and listed as Standard by leading Radio Autorities, including Pop. Radio Laboratories, Pop. Sci. Inst. Standards, Radio News Sciid Kubber Cose, an immortant scitations. Equipped with Sciid Kubber Cose, an immortant science of the Extra Sciid Kubber Cose, an intervention of the Cose of

with order. Mail your order now!

WORLD BATTERY COMPANY

1219 So. Wabash Ave., Dept. 76 Chicago, Ill.
Makers of the Famous World Radio "A" Storage Battery

Prices: 6-volt, 100 Amp, 811.25; 120 Amp, 813.25; 140 Amp, 814.00.

All equipped with Solid Rubber Case.

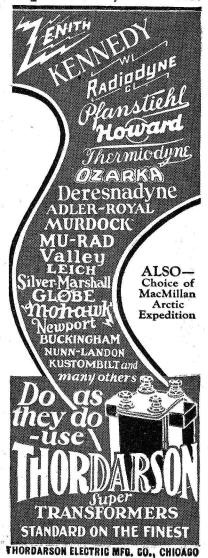
World Storage Batteries

STORAGE BATTERIES

Styour Radio Dials at 210 meters for the new 1000 watt World Storage Battery Station, WSBC, Chicago Station, WSBC, Chicago Watch for announcements.

RDKA-WEAF-WGN-WJS-KHJ-KGO-KFAF-WJY-KGF

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



Radiophone Broadcasting Stations

Corrected Every Week-Part II

FIND MISTAKES AND YOU'LL GET DOLLAR

NE DOLLAR will be paid to the Radio fan reader of Radio Digest submitting the most errors in any one station's listing in the Digest Station which rectory of Radiophone Stations, which appears in six parts, serially continuously on the next to last page. Letters must reach Radio Digest's office not later than one week from date of issue corrected. Readers are not limited to correcting one station, but such correc-tions must be verified by the stations themselves, and NOT by comparison to other so-called accurate Radio direc-tories 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 second part of the schedule list appears low. The first appeared last week.)

belows The first appeared last week.)

KMOX, St. Louis, Mo. 280.2m-1070kc. The Voice of
St. Louis. Announcer, Nate Caldwell. Daily ex Sun,
Thurs, 9:40 am, markets; 12:30 pm, organ; 3, 4, 611:30, music. Thurs, 9:40 am, 12:30 pm, 3, 4. Sun,

11:30, music. Thurs, 9:40 am, 12:30 pm, 3, 4. Sun, 9 pm. Central.

KMTR, Los Angeles, Calif. 238m-1260kc. 500 watts. K. M. Turner Radio Corp. KNRC, Los Angeles, Calif. 208.2m-1440kc. 250 watts. Kierulff & Ravenscroft Co. Announcer, "Hastings." Daily ex Sun. 10 am. Mon. 1:30 pm. Tues, Wed, Thurs, Fri, 7-9 pm. Pacific. KNX, Hollywood, Calif. 336.9m-890kc. 1000 watts. Los Angeles Evening Express. Announcer, "Town Crier." Daiy ex Sun. 7:30 am, exercises; 8, prayer; 9, time; 9:05, news; 10, Town Crier; 10:30, economics; 1:30 pm, book talk; 2-4, 4:55, markets; 5, children's half-hour; 5:30, organ; 5:55, Town Tattler; 6:15, travel talk; 6:30, dinner music. Mon, Wed, Fri, 7-12 mid. Tues, Thurs, 7-11 pm. Sat, 7-2 am. Sun, 10-12:30 pm. church service; 12:45-1:45, 2-4, 6:30-7, 8-9, 9-10:30. Pacific.

church service; 12:40-1:45, 2-4, 6::30-7, 8-9, 9-10:30. Pacific.

(NA, Denver, Colo. 322.4m-930kc. 5,000 watts. General Elec. Co. Daily ex. Sun, 11:45 am, weather, road reports, markets; Daily ex Sat, Sun, produce. Daily ex Sun, 12:15 pm, organ. Tues, Thurs, Fri, 3:15 pm, relaxing exercises, matinee for housewives, culinary hints, fashlon review. Daily ex Sat, Sun, 6 pm, stocks, markets, produce, news bulletins; 6:30 pm, dinner concert. Mon, 7:30 pm, Sandman's hour. Tues, farm question box. Wed, Book of Knowledge. Thurs, dinner concert. Fri, Sunday school lesson. Mon, 8 pm, Spanish lesson; 9 pm, rocal lesson. Wed, Fri, 8 pm, orchestra; 8:15 pm, regular program. Wed, 10 pm, dance program. Sat, 9 pm. Sun, 10:30 am, and 7:30 pm, service; 4 pm, music. Mountain.

(NAC. Corwellis, Ore. 280.2m-1070kc. 500 watts. Ore-

service; 4 pm, music. Mountain.

KOAC, Corsellis, Ore. 280.2m-1070kc. 500 watts. Oregon Agricultural College.

KOB, State College, N. M. 348.6m-860kc. 1,000 watts.

N. M. College of Agri. & Mech. Arts. Announcer, Robert Stewart. Slogan, "The Sunshine State of America." Daily 11:55-12:30 pm, time, weather, road reports, news; 9:55-10:10, time; weather, road reports. Mon, Fri, 7:30-8:30 pm. Mountain.

KOCH. Omaha, Nebr. 258.6m-1160kc. 250 watts. Central H. S. Announcer, C. H. Thompson. Mon, Tues, Thurs, 8:30-10 pm. Sat, 12 midnight. Sun, 3:30 pm. Central.

Thurs, 8:30-10 pm. Sat, 12 midnight. Sun, 3:30 pm. Central.

(**OCW**, Chickasha**, Okla. 252m-1190kc. 200 watts. Okla. College for Women. Tues, Thurs, 8 pm., music. Wed, 10 am, chapel. Central.

(**KOLW**, College for Women. Tues, Thurs, 8 pm., music. Wed, 10 am, chapel. Central.

(**KOLW**, Council Bluffs, Iowa. 277.6m-1080kc. 500 watts. Mona Motor Oil Co. Announcer, Howard Martin. Mon. 6-12 mid. Tues, Thurs, Fri, 6-9 pm; 11-12. Wed. 6-7:15 pm. Sat, 5-9 pm; 11-1 am. Sun, 11-12 noon; 1-2 pm, 7-9, 11-12. Central.

(**KOWW**, Walla Walla, Wash. 256.3m-1170kc. 500 watts. Blue Mt. Radio Association. Slogan, "The Valley They Liked So Well They Named It Twice." Mon. Thurs, Fri, 7-7:30 pm, 8-12. Tues, 5-6 pm. Wed, Thurs, 12-1 pm; 7-7:30, 9-12. Sat, 2-7:30 pm; 8-12. Pacific.

(**FO. San Francisco, Calif. 428.3m-700kc. 1.000 watts.

Wed, Thurs, 12-1 pm; 7-7:30, 9-12. Sat, 2-7:30 pm; 8-12. Pacific.

(PO, San Francisco, Calif. 428.3m-700kc. 1,000 watts. Hale Bros, and the Chronicle. Announcer, Clair E. Morrison. Slogan, "The City by the Golden Gate." Daily ex Sun, 7-7:30 am, 8 daily dozen; 10:36 am amusement service; 12 noon, time, scriptures. Daily ex Sun, Fri, 1-7:30, music, markets. Mon, Tues, Wed, Thurs, Fri, 8-11 pm, entertainment. Tues, Thurs, 10 am, household hour. Tues, Wed, Thurs, 10:35 am, luncheon; 5:30-7:30 pm, Sat, 8-12 midnight. Sun, luncheon; 5:30-7:30 pm. Sat, 8-12 midnight. Sun, 16:35-10, music. Pacific.

(RPC, Pasadena, Calif. 228.9m-1310kc. 50 watts. Pasadena, Calif. 228.9m-1310kc. 50 watts. Pasadena Presbyterian church. Announcer, G. Anton Pohlman. Wed, 7:30-9 pm; Sun, 10:30-12:30 pm; 6:45-9. Pacific.

dena Presbyterian Grand Presbyte

8 pm. Tues, 5 pm. Wed, 8:10 pm, 8:30. Sun, 7:51-8 pm, 9. Pacific.

KQV. Pittsburgh, Pa. 275.1m-1090kc, 500 watts. Double-day-Hill Elec. Co. Daily ex Sat, Sun, 10:30 am, music; 11, 3, music. Eastern.

KQW, San Jose, Calif. 230.6m-1300kc, 500 watts. First Baptist church.

KRE, Berkeley, Calif. 256.3m-1170kc, 150 watts. Daily Gazette. Announcer, D. L. Black. Daily ex Sun, 7:30 am, 11:15, 5:30 pm. Mon, 8-10 pm. Tues, 9-11 pm. Thurs, 8-10 pm, 10-11. Fri, 9-12 midnight. Sat, 8-1 am, dance program. Sun, 10-11 am, church; 6:30-7:30 pm; 8-9. Pacific.

KSAC. Manhattan, Kan. 340.7m-880kc, 500 watts. Kansas State Agricultural College, Announcer, George Gemmell. Daily ex Sat, Sun, 9-10 am, 9:55, 12:35 pm, 4:30, 6:30. Sat, 12:35 pm. Central.

KSD. St. Louis, Mo. 545.1m-550kc, 500 watts. St. Louis, Mo. 2:40, 3:40. Mon, 7 pm, 7:30, 9, 10. Tues, 7 pm, 8, 9. Wed, 7 pm, 7:30, 8. Fri, 7 pm, 7:30, 8, 9, 10. Sat, 7 pm, 8:30, 9:30. Thurs, 4 pm, 7. 7:30, 8, 9, 9:30. Sun, 6:15 pm, 8:15. Central.

KSL, Salt Lake City, Utah. 299.8m-1000kc, 15000 watts.

Radio Service Corp. of Utah. Announcer, Charles H. Hays. Mon. Wed, Fri, 7-11 pm. Tues, Thurs, Sat, 7:30-11 pm. Sun, 3-10 pm. Mountain.

KSMC, Santa Maria, Calif. 209.7m-1430kc. 100 watts. Santa Maria Valley Raliroad Company.

(KSO, Clarinda, Iowa. 241.8m-1240kc. 500 watts. A. A. Berry Seed Co. Announcer, Joe Fassen. Slogan, "Keep Serving Others." Daily ex Sat, Sun, 12 n, talks; 12:30-1:15 pm. 7-9. Central.

KTAB, Oakland, Calif. 239.9m-1250kc. 1,000 watts. Tenth Ave. Baptist church. Daily ex Sun, 9-9:30 am, prayer service; 12-1 pm. Daily ex Sat, 8-10 pm. Sun, 10 am, 11; 7:45 pm. 9:30-11. Pacific.

KTBI, Los Angeles, Calif. 293.9m-1020kc. 750 watts. Bible Inst. of Los Angeles. Announcer, M. E. Carrier. Daily ex Sun, 8:30 am, 2 pm, 7:15-9:30. Sun, 10:45 am, 6 pm, 7:15, 9:30. am, 2 pm, 7:15-9:30. Sun, 10:45 am, 6 pm, 7:15, 9:30. The Control of the Cont

Broadcasting Co. "Know the Charmed Land." Tues, 7-8 pm, 8-9. Wed, 8-9 pm, 9-10. Fri, 7-8 pm, 9-10. 10:15-12. Sun, 1-2 pm, 9:10-10:10, church service. Pacific.

KTHS, Hot Springs National Park, Ark. 374.8m-800kc. 750 watts. The New Arlington hotel. Announcer, G. C. Arnoux. Slogan, "Kum to Hot Springs." Mon. Wed, Thurs, 12:30-1 pm, markets, weather, music. Fri, 12:30-1:30 pm, Farmers' Radio Chautauqua. Sat, 12:30-1:20 pm, boy's talk. Bible class, music, weather, markets. Daily, 9-11:30 pm, concerts. Sun, 11-12:15 pm, church services; 9-10 pm, classics; 10-11:30 pm, Arkansas Traveler frolic. Central.

KTNT, Muscatine, Iowa. 256m-1170kc. 500 watts. Tangley Calliaphone company. Announcers, Norman Baker-William Randall. Slogan, "The Homefolks Station." Daily ex Sun, 12-12:30 pm, Calliaphone concert. Daily ex Sat, 8:30-10 pm, music. Sun, 9-10 pm, "Homefolks Hour." Central.

KTW. Seattle, Wash. 454.3m-660kc). 1,000 watts. First Presbyterian church. Announcer, J. G. Priestly. Slogan, "Hear Ye, Hear Ye, the Gospel." Sun, 11-12:30 pm, 3-4:30, 7-9:30, church service. Pacific. KUOA. Fayetterille, Ark. 299.8m-1000kc. 750 watts. University of Arkansas. Mon, 7:30 pm. Tues, Thurs, 8 pm. Central.

KUOM, Missoula, Mont. 243.8m-1230kc. 500 watts. University of Montana. Daily ex Sun, 6:30 pm Mon, Thurs, 8 pm. Sun, 9:15 pm. Mountain.

KUSD, Vermillion, S. D. 277.6m-1080kc. 100 watts. University of South Dakota. Announcer, Sidney Lawton. Slogan, "South Dakota Luniversity of South Dakota Luniversity for South Dakota University of South Dakota. Announcer, Sidney Lawton. Slogan, "South Dakota University of South Dakota University of South Dakota Dakota. Hourd. South Dakota Dakota. Hourd. South Dakota Dakota. Hourd. South Dakota Dakota. Pritable, Mon, Wed, 8-9:30 pm. Central.

KUT, Austin, Texas. 230.6m-1300kc. 500 watts. University of Texas. Announcer, Orlando J. Murphy. Mon, Wed, 8 pm. Sun, 11 am, 3:30 pm. Central.

KUT, South, South, South, South Dakota Dakota. Down. South Dakota Dakota. Dakota. Dakota. Portable Wireless Telephone Co.

Wilson Duncan studio. Slogan, "Keep: Watching Kansas City." Tues, Wed, Thurs, Fri, 7 pm, 9. Central. KWKH, Shreveport, La. 260.1m-1150ke. 500 watts. W. G. Patterson, Henderson Iron Works & Supply Co. Announcer, W. G. Patterson. Mon, 8-9:30 pm, music. Tues, Sat, 9-12 midnight. Thurs, 8-9:30 pm, Sat, 9-12, dance. Sun, 9:30-10:30 am, music; 11-12 m, 5-6 pm, 7:30-9. Central.

KWSC, Pullman, Wash. 348.6m-860kc. 500 watts. State College of Washington. Announcer, Phil Hitchcock. Mon, Wed, Fri, 7:30-9 pm, nusic.

KWUC, Le Mars, Iowa. 252m-1190kc. 50 watts. Western Union College. Announcer, D. O. Kime. Slogan, "The Best Fifty Watt Station on the Air." Mon, Wed, Fri, 7:30-9 pm. Sun, 3-4 pm. Central.

KWWG, Brownsville, Texas. 277.6m-1080kc. 500 watts. Brownsville Municipal Broadcasting Station. Slogan, "Kum to the World's Winter Garden." Daily ex Sun, 12 m, 6 pm. Mon, Thurs, 8:30-11:59 pm. Sun, 2:30 pm. Central.

KYW, Chiedgo, Ill. 535.4m-560kc. 3,500 watts. Westinghouse Elec. & Mig. Co. Daily ex Sun, 9:30-1:30 pm, half market quotations; 10:55 am, time; 11:15. meat talk; 11:35, table talk; 12 n, weather; 12:05-2 pm, noonday concert; 2:15, market; 2:35-5, 5:45-6. news, markets; 6-7, dinner music; 7:05-7:30, bedtime story. Tues, Thurs, 7:33-7:53 pm, farm program. Daily ex Sun, Mon, 1-2 am. Tues, Thurs, 8-11:30 pm. Sun, 2:30 pm, half market philippines. Sun, 4:30-7, Sunday Evening club; 9:30-11, concert. Daily, 8 am-2 am, severy half hour, World Crier. Central.

KZIB, Manila, P. I. 229.m-1200kc. 100 watts. Radio Corporation of the Philippines. Slogan, "Radio Manila."

Manila."

KZUY, Bagulo, P. I. 360m-833kc. 500 watts. F. John-

KZUY, Bagulo, P. I. 360m-833kc. 500 watts. F. Johnson slser.

NAA. Radio, Va. 434.5m.690kc. 1,000 watts. United States Navy Dept. Daily ex Sun, 10:05-10:20 am, 11:45, time; 3:45-4 pm, 9:45, 10:05-10:20. Tues, 2:45-3 pm. Tues, Thurs, 6:45-7 pm, 7:25-7:40. Fri, 7:25-7:40. Eastern.

WAAD, Cinclinnati, Ohio. 258.5m-1160kc. 25 watts. Ohio Mechanics Institute. Sat, 9:45 pm.

WAAF, Chicago, Ill. 277.6m-1080kc. 200 watts. Chicago Daily Drovers Journal. Announcer, Carl Ulrich. Daily ex Sun, 8:45 am, 10:50, 11, 12:50 pm. Daily ex Sun, 8:45 am, 10:50, 11, 12:50 pm. Daily ex Sun, 8:45 am, 10:50, 11, 12:50 pm. Daily ex Sun, 8:45 am, 10:50, 11, 12:50 pm. Daily ex Sun, 8:45 am, 10:50, 11, 12:50 pm. Daily ex Sun, 8:45 am, 10:50, 11, 12:50 pm. Daily ex Sun, 8:45 am, 10:50, 11, 12:50 pm. Daily ex Sun, 8:45, 10:15, 11:50 pm. 12:45, 11:51, 11:45, 11:45, 11:51, 11:45, 11:

Co.
WABC, Asheville, N. C. 254.1m-1180kc. 20 watts.
Asheville Battery Co., Inc.
WABI, Bangor, Me. 239.9m-1250kc. 100 watts. First
Universalist church.
WABO, Rochester, N. Y. 277.6m-1080kc. 100 watts.
Lake Avenue Baptist church. Announcer, Morse Clark.
Sun, 10:15-12 noon, 7:15-9 pm. Eastern.
WABQ, Haverford, Pa. 260.7m-1150kc. 100-1000 watts.
Haverford College Radio club. Announcer, William S.
Halstead. Mon, 7:30-9:15 pm. Frl, 8-9:30 pm. Mon,
Frl, 11-19:30 am, organ. Eastern.
WABR, Toledo, Ohio. 263m-1140kc. 50 watts. Scott
High School. Daily, 9:15 am, garden talk. Central.
WABW. Wooster. Ohio. 206.8m-1450kc. 50 watts. The

High School. Daily, 9:15 am, garden talk. Central.

WABW, Wooster, Ohio. 206.8m-1450ke. 50 watts. The Collège of Wooster, Dept. of Physics. Frank C. Isely. Daily ex Sat, Sun. 9:30-10 am. Central.

WABX, Mt. Clemens, Mich. 245.8m-1220kc. 500 watts. Hapvy R. Lew

WABX, Mt. Clemens, Mich. 240.8m-1220kc. 500 wates.

Henry B. Joy.

WABY, Philadelphia, Pa. 241.8m-1240kc. 50 watts.

John Magaldi, Jr. Slogan, "Quaker City Sleep Dodgers". Club, "The American Broadcasting Club." Sun, 9 pm, music; 10:30, "Sleep Dodgers' Session." Sarto Eastern.

WABZ, New Orleans, La. 275.1m-1090kc. 50 watts. The Coliseum Place Baptist church. Announcer, V. W. 3:30.

Bradbury. Slogan, "The Station with a Message." Sun, 11-12:15 pm, 7:30-8:45, church service. Central. WADC, Akron, Ohio. 258.5m-1160kc. 500 watts. Allen Theater Broadcasting Station. Daily ex Sun, 11-12 anon, 6:30-7:30 pm, Mon, 1-3 am. Tues, Fri, 8-11 pm. Thurs, 9:30-11 pm. Sun, 12:30-1:30 pm, 6:30-7:30

7.30. Eastern.
WAFD, POTT Huron, Mich. 275.1m-1090kc. 500 watts.
Albert B. Parfet Co. Announcer, Stanley G. Smith.
Slogan, "Gateway to the Great Lakes." Mon. Wed.
9-11 pm. Sat. 11-1 am. Sun, 10-11:30 am, 7:30 pm.

Slogan, "Gateway to the Great Lakes." Mon. Wed, 9-11 pm. Sat, 11-1 am. Sun, 10-11:30 am, 7:30 pm. Eastern.

WAGM, Royal Oak, Mich. 225,4m-13:30kc. 50 watts. Robert L. Miller. Mon, 8-12:30 am. Wed, Fri, 8-19:30 pm. Central.

PART 'WO — GUIDE LINE — .;; ?

WAHG, Richmond Hill, N. Y. 315,6m-950kc. 500 watts. A. H. Grebe & Co. Slogan, "Wait and Hear Grebe." Daily ex Sun, 12-1:30 pm. Mon, Wed, Fri, 7:30-11:30 pm. Mon, 10-11:30 pm. Mon, 10-11:30 pm. Mon, 10-11:30 pm. Mon, 10-11:30 pm. Mon, 10-11-30 pm. Mon, 10-11-30

markets, weather, Mon, Fr1, 7:15 pm, special program. Central.

WBAK, Harrisburg, Pa. 275.1m-1090kc. 500 watts. Pennsylvania State Police. Announcer, A. E. Poorman. Daily ex Sun, 10 am, 1 pm, 5:45, police reports. Mon, Tues, Wed, 7:30 pm, special. Eastern.

WBAL, Baltimore, Md. 245.8m-1220kc. 3000 watts. Consolidated Gas, Elec. Light & Power Co. Mon, Thurs, 6-10 pm. Tues, Fri, 6:30-10 pm. Sun, 6:30-8:30 pm. Eastern.

WBAO. Decatur. Ill. 270 lm-1110kc. 100 watts. James

WBAO, Decatur, Ill. 270.1m-1110kc. 100 watts. James Millikin University. University activities. No definite

Millikin University. University activities. No definite schedule.

WBAP, Fort Worth, Tex. 475.9m-630kc. 1,500 watts. Fort Worth Star-Telegram. Announcer, "The Hired Hand." Club, "Radio Truth League." Daily ex Sun. 10, 11, 12 m, 1 pm, 2, 3, market reports, weather; 4, "Port of Missing Men." Mon, Tues, Thurs, Fri, Sat, 12:05-12:30 pm, 7:30-8:30, 9:30-11, concert. Mon. Thurs. Fri, 11-12 midnight. Sun, 11 am, church; 4 pm, concert; 9:30-12. Central.

WBAR, Sishit, Wis. 270.1m-1110kc. 500 watts. Kopp Radio Co. Slogan, "The Station of Northern Wisconsin." Mon, 9-10 pm. Wed, 8-9 pm. Thurs, 7:30-8:30. Sun, 10-11 pm. Central.

WBAX, Wilkes-Barre, Pa. 256.5m-1170kc. 100 watts. John H. Stenger, Tr. Slogan, "Th Wyoming Valley, Home of the Anthracite."

WBBL, Richmond, Va. 228.9m-1310kc. 100 watts. Grace Covenant Presbyterian church. Announcer, Herbert C. Taylor. Tues, 8 pm. Sun, 11 am, 7:45 pm. Eastern.

Covenant Presbyterian church. Announcer, Herbert C. Taylor. Tues, 8 pm. Sun, 11 am, 7:45 pm. Eastern.

WBBM, Chicago, Ill. 225.4m-1330kc. 1,500 watts. WBBM Broadcasting. Announcer, Floyd Falch. Slogan, "World's Bost Broadcast Medium." Daily and Sun, 4-6 pm. Mon, 6-7 pm. Tues, Thurs, Sat, 8-12 midnight. Wed, Fri, Sat, 12-2 am. Sun, 8-10 pm, 12-3 am. Central.

WBBP, Petoskey, Mich. 238m-1260kc. 200 watts. Petoskey High School. Announcer, Carl Bowman. Tues, 5-10:30 pm. Fri, 8-9:30 pm. Sun, 10:30 am, church services; 3 pm, sacred concert. Central.

WBBR, Staten Island, N. Y. City, N. Y. 272.6m-1100kc. 500 watts. International Bible Students' Association. Mon, Thurs, Sat, 8-9 pm, lectures, music. Sun, 10-12 m, 2-4 pm, 9-10:30. Eastern.

WBBS, New Orleans, La. 252m-1190kc. 50 watts. First Baptist church. Slogan, "The Gospel Wave." Sun, 11 am, 7:30 pm, service. Central.

WBBW, Norfolk, Va. 222.1m-1350kc. 50 watts. Ruffner Junior High School. Announcer, Lee M. Klinefelter, Slogan, "The School You'd Like to Go To." Mon, 6:45-7:15 pm. Wed, 10:30-11:15 am. Thurs, 9:30-10:30 pm. Eastern.

WBBY, Charleston, S. C. 267.7m-1120kc. 10 watts. WBBY, Charleston, S. C. 267.7m-1120kc. 10 watts. WBBZ, Chicago, Ill. 215.7m-1390kc. 50 watts. C. L.

Chicago, III. 215.7m-1390kc. 50 watts. C. L.

Bastern.

WBBZ, Chicago, Ill. 215.7m-1390kc. 50 watts. C. L. Carrell.

WBCN, Chicago, Ill. 225.4m-1330kc. 500 watts. South-town Economist. Announcer, J. R. Foster. Slogan, "World's Best Community Newspaper." Daily ex Sun, Mon. 7-8 pm. 5-5:15 pm. police. Daily ex Sun, Mon. 7-8 pm. 5-5:15 pm. police. Daily ex Sun, Mon. 7-8 pm. Mon. Wed, Sat, 3-5 pm. Thes, 10-12 midnight, Ill. Thurs, 10-1 am. Sun, 10:30-12:15 pm. church service; 4-6 pm. 7:45-9:15 pm. church service; 4-6 pm. 7:45-9:15 pm. church service. Central.

WBDC, Grand Rapids, Mich. 256.3m-1170kc. 500 watts. Batker Laundry and Dry Cleaning Co. Announce, Richard Smith.

WBES, Takoma Park, Md. 222.1m-1350kc. 100 watts. Bilss Elec. School. Fri, 6-7 pm. Bastern.

WBNY, New York, N. Y. 203.m-1430kc. Shirley Katz. WBOQ, Richmond Hill, N. Y. 236.1m-1270kc. 500 watts. A. H. Grebe & Co., Inc.

WBPI, Newark, N. J. 263m-11140kc. 500 watts. Warner Theater. Announcer, H. E. Beaver. Daily ex Sun, 11 am. Daily ex Thurs, Sun, 6-11 pm. Thurs, 6-7:45 pm. Sun, 11 am. Eastern.

WBRC, Birmingham, Ala. 247.8m-1210kc. 50 watts. Bell Radio Corporation. Slogan, "The Biggest Little Station in the World." Mon, Wed, 8 pm. Sat, 9-12 midnight. Central.

WBRE, Wilkes-Barre, Pa. 230.6m-1300kc. 100 watts.
Baltimore Radio Exchange. Wed, Fri, Sun, 8:30-11:30
pm. Eastern.

WBT, Charlotte, N. C. 275.1m-1096kc. 250 watts. Charlotte Chamber of Commerce.
WBZ, Springfield, Mass. 333.1m-900kc. 2,000 watts. Westinghouse Elec. & Mrg. Co. Announcer, A. E. Bach. Daily ex Sun, 6-8 pm, nusic, markets; 8-10:15, music. Sun, 8 pm, organ; 8:30, concert. Eastern.

WCAC, Storrs, Conn. 275.1m-1090kc. 500 watts. Connecticut Agricultural College. Announcer, Daniel E. Noble. Slogan, "From the Nutmeg State." Mon, Wed, Fri, 7:20-8:30 pm. Eastern.

Fri, 7:20-8:39 pm. Eastern.

WCAD, Canton, N. Y. 263m-1140kc. 250 watts. St.

Lawrence University. Announcer, Ward C. Priest. Slogan, "The Voice of the North Country." Daily, 11 am, weather, reports, talks, time. Thurs, Fri, 7:30-12 midnight, from WGY on 1,560 meters. Wed, 8 pm. Eastern.

Eastern.

WCAE, Pittsburgh, Pa. 461.3m-650ke. 500 watts. Pittsburgh Press, Kaufman and Baer Co. Announcer, Joseph Sartory. Daily ex Sun, 12:30 pm, news; 4:30, reports; 6:30, music; 7:30, Sunshine Girl. Mon, 7:45 pm, police reports; 8:30, 9, 11. Tues, 7:45 pm, 8, 8:30, 9, 10. 11. Wed, 7:45 pm, 8:30, 9, 10. Thus 8 pm, 20, 10. Fri, 7:50 pm, 8:30, 10. Sat, 7:45 pm, 8, 8:15, 3:30, Sun, 10:45 am, 4 pm, 6:30, 7:20, 9:15. Bastern.

WCAJ, University Place, Nebr. 254.1m-1180kc. 500 watts. Nebraska Wesleyan University. Announcer, J. C. Jensen. Daily, 4:30 pm, weather, news. Wed, 8 pm. Fri, 7 pm. Central.

WCAL, Northfield, Minn. 336.9m-890kc. 500 watts. Dept. of Physics, St. Olaf College. Announcer, Hector Skifter. Slogan, "The College on the Hill." Daily ex Sun, Thurs, 9:45 am, chapel. Mon. Fri. 8:39 mm. Thurs, 7 pm, music. Fri, 7:30 pm. Sun, 8:30 am, sermon, music; 9:15 pm. Central.

WCAO, Baltimore, Md. 275.1m-1908kc. 100 watts. Albert A. and A. Stanley Brager. Announcer, R. I. Albert A. and A. Stanley Brager. Announcer, R. I. Brunner. Slogan, "The People's Store." Mon, Wed, Fri, 6:30-8 pm, dinner music; 8-9:30, 9:30-11. Eastern.

ern.

WCAP, Washington, D. C. 468.5m-640kc. 500 watts.
Chesapeake & Potomac Tel. Co. Announcer, O. F.
Gascoigne. Mon, 7-11:30 pm. Wed, 6-11 pm. Fri,
6-12 pm. Sun, 11 am, 4 pm, 6:20, respers; 7:2010:15. Eastern.

WCAR, San Antonio, Tex. 263m-1140kc. 500 watts.
Southern Radio Corporation of Texas. Announcer, L.
Tatom. Club, "Royal Order of Prevaricators." Mon.
Thurs, Sat, 8:30-9:30 pm, concert. Wed, Sat, 11 pm.
Central.

Thurs, Sat, 8:30-9:30 pm, concert. Wed, Sat, 11 pm. Central.

WCAT, Rapid City, S. D. 239.9m-1250kc. 50 watts. South Dakota State School of Mines. Announcer, J. O. Kammerman. Dally ex Sun, 9:30 am, 12:30 pm. weather, reports. Thurs, 7:30 pm, concert. Mountain. WCAU, Philadelphia, Pa. 277.6m-1080kc. 500 watts. Universal Broadcasting Co. Announcer, Stan Lee. Stogan, "Where Cheer Awatis T." Mon, 7:30-12 mid-night. Tuse, 6:45-12 midnight. Wed, 6:45-1 am. Thurs, 6:30-10 midnight. Fri, 6:45-12:30 am. Sun, 11 am. WCAA. Burlington. Exit Midnight. Service of the Green Mountains." Fri, 7-8 pm. Eastern.

WCBA, Allentown, Pa. 254m-1190kc. 100 watts. University of Vermont. Slogan, "The Voice of the Green Mountains." Fri, 7-8 pm. Eastern.

WCBA, Allentown, Pa. 254.1m-1180kc. 15 watts. Queen. City Radio station. Wed, 8:15-11 pm. Fri, 6:45-7:45 pm, bedtime stories, Bibble lessons. Sat, 9:30-11 pm, danee music. Sun, 10 am, 5:30 pm, 7, church service. Eastern.

WCBB, Zion, Ill. 344.6m-870kc. 5:000 watts. Wilbur Glenn Voliva. Announcer, J. H. DePew. Slogan, "Where God Rules, Man Prospers." Tues, Thurs, 8:10:30 pm, concert. Wed, 12:30-1 pm, organ. Thurs, 2:30-3-45 pm, service. Sun, 9:10:45 am, Bible school; 2:30-6 pm, church services; 8:10:30 pm. Central.

WCBB, Sun, School, Sun, 11:30 am. Daily, 7:30-8:30 pm, dance. Sun, 12:30-2 pm, dinner concert; 9, dance music. Central. WGBH, Oxford, Miss. 241.8m-1240kc. 50 watts. University of Mississiph. Announcer, Joc Chait. Slogan, "Second Port U. S. A." Daily ex Sun, 10:30-11:30 am. Daily, 7:30-8:30 pm, dance. Sun, 12:30-2 pm, dinner concert; 9, dance music. Central. WCBB, Baltimore, Md. 228-9m-1310kc. 50 watts. University of Mississiph. Announcer, Joc Chait. Slogan, "Second Port U. S. A." Daily ex Sun, 9:30 nm, 9:35 pm, sey-16. 100 watts. First Baptist church. Announcer, Harry Stone. Sun, 7:30-8:10 pm. Central.

WCBR, Providence, R. I. 209.7m-1430kc. 100 watts. First Baptist church. Announcer, Faul Johnson. Slogan, "Service to the Northwest." Daily ex Sun, 9:30 pm, 9:35, news; 9:45, mark

Laurence Martin. Slogan, "Where Dollars Always Grow." Daily ex Sun, 2:15 pm, 9. Sun, 2:15 pm. Central.

WDAH, El Paso, Tex. 267.7m-1120kc. 50 watts. Trinity Methodist church.

WDAY, Fargo, N. D. 260.7m-1150kc. 50 watts. Radio Equipment Corporation. Announcer, K. M. Hance. Slogan, "The Biggest Little City in the World." Daily ex Sun, 10 am, markets, weather, news; 11. markets; 12:30 pm, music; 1. Radio farm school; 1:10, markets; 2, 5, music; 5:30, news. Daily ex Sat, Sun, 10:15 am, chapel. Daily ex Mon, Sun, 10 pm. Tues, Thurs, Sat, 7:30 pm, musical. Sun, 10:30 am, church services. Sun, 4 pm, music; 7:30 pm, church Central.

WDBE, Atlanta, Ga. 270.1m-1110kc. 100 watts. Gilham-Schoen Elec. Co. Announcer, A. K. Dearing Slogan, "We Distribute Better Equipment." Tues, Frit, 7-8 pm. Central.

WDBI, Roanoke, Va. 228.9m-1310kc. 50 watts. Richardson Wayland Elec. Corp. Announcer, Glen Baylor, Slogan, "Roanoke Down in Old Virginia." Daily ex Sun, 12-1 pm, music; 5:30-6:35, music, news, weather, baseball. Mon, 8-9 pm. Wed, Sat, 9 pm, concert. Sun, 7:45 pm, church. Eastern.

WDBK, Cleveland, Ohio. 227m-1320kc, 100 watts. M. F. Broz Furniture Co. Daily ex Sat, Sun, 8:30-12 midnight. Eastern.

WDBO, Winter Park, Fla. 239.9m-1250kc. 500 watts. Rollins College, Inc. Announcer, Edwin D. McConnell. Slogan, "Way Down by Orlando." Daily ex Sun, Tues, 7:30-7:45 pm, citrus markets; 9-10-30. Tues, 9:30-11 pm. Sun, 11 am, 5 pm. Eastern.

WDBZ, Kingston, N. Y. 232,4m-1290kc. 10 watts. Boy Scouts of America. Announcer, G. Henry Nesslage.

WD0D, Chattanooga, Tenn. 256.3m-1170kc. 500 watts. Chattanooga Badio Co., Inc. Announcer, John T. Carter, Slogan, "Wonderful Dynamo of Dixie," Mon. Wed, Fri, 6:30-8 pm, 8:15, Fri, 11 pm, Alternate Tues, 9-3:30 pm. Sun, 11 am, 4:30 15:16:15 Central. n. Alternate Tues, :15,16,15. Central. 9₅9:30₀pm.

ROSLEY JR.



Radio Manufacturer

Linked with the invention of every valued product is the name of some man or group of men. The basic article is invariably a crude affair. Improvements and refinements follow fast. Then comes another pioneer. The production genius who reduces costs to the level of common means

Often that man's name outlives the inventor's. He, after all, is the benefactor of the people. Several names so associated

with the automobile now live in public conscious ness, but who can name the inventor of the moto

Such a pioneer is Powe Crosley, Jr. . . . liberator of radio fron the grip of prohibitive prices. With hi genius for reorganization and his talent for applying mass production methods, he has given to the man of modest means joys of radio in common with those of the millionaire. The desired selectivity sensitivity, tone, volume and volum control, once exclusive to high prices instruments, are now available in Crosley sets at a fraction of the former price

A trip through the huge Crosley plant is a revelation. Mere machinery takes on superhuman powers, and human powers are multiplied by machines

Operations that once produced only a few units per day, now turn out thousands. Other phases formerly considered so intricate as to demand hand work, are now accomplished by devices that duplicate devices that duplicate

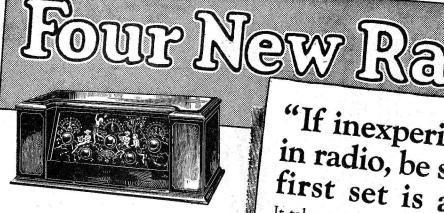
the dexterity and shame the speed of hands. Multiple drills make many jobs one. Automatic washers heat, treat and wash the parts, that must be chemically clean, in lightning sequence and with positive results.

And in the transformation of hand And in the transformation of manu-labor to machine performance the unescapable inaccuracies of human error are supplanted by absolute precision. For example, coils must precision. For example, cons much consist of wires of exact length, wound to a certain tension by a minimum of turns. Variacertain number of turns. Varia-tion is inevitable when this is done by hand. But Crosley automatic coil winding assures precise results, uniform tension, micrometer measurement, exactly the same number of the same number of turns in



A radio manu-facturer who is master of mass production! That is the earned title of Powel Crosley, Jr. And that is the gift that has enabled

him to give the public the kin at the kind of prices they want



The Crosley 5-Tube RFL-75

Absolutely balanced radio frequency amplifica-tion. Non-oscillating under any handling. Ex-quisite two-tone mahogany cabinet—satin finish. Decorated panel with rose-gold metal fittings. Cabinet holds necessary dry cells.



The Crosley 5-Tube RFL-60

Same as RFL-75 but in compact cabinet only 17/2 inches long. Truly marvelous selectivity, sensitivity and purity of tone. Art fittings. Price without accessories \$60



The Crosley 5-Tube 5-38

All the volume, selectivity, sensitivity and fine tone in the best 5 tube set you've heard—plus the CRESCENDON. Two toned mahogany finished cabinet—daintily striped in gold.

Price without accessories

100 - 10



The Crosley 4-Tube 4-29
A beautifully designed set—both to ear and eye. Crescendon equivalent to one or more additional tubes of radio frequency amplification. Two toned mahogany finished cabinet.

Price without

accessories

\$29

West of the Rockies add 10% to all prices

"If inexperienced in radio, be sure your first set is a Crosley"

It takes neither practice nor mechanical skill to stune in stations all over the country. Children and old people operate Crosley radios easily. They are fool proof.

They are inexpensive. They don't tie up a lot of money.

They have proven their efficiency over a period of Thousands of letters report remarkable demonstrations. Hundreds of thousands of sets sold substantiate all claims to excellence.

They are made by a reliable, well known and financially strong concern, that guarantees them

The easy operation, tone and volume of these four new Crosley sets delight, not only the expectant beginner; they arouse the most confirmed radio lover to realization that Powel Crosley, Jr., has again made a revolutionary improvement in radio.

And the RFL sets possess true cascade amplification. For Crosley has utilized an entirely new patented circuit which achieves cumulative amplification, actually approaching the theoretical maximum efficiency per tube.

The Crescendon

In the 4-29 and the 5-38, the introduction of the Crescendon enables these two highly efficient radios to give almost unbelievable results and has lifted them away and beyond all competition.

The Crescendon is an exclusive Crosley device for increasing the weak signals of distant stations to full volume tones without distortion. Yet with these sets, loud nearby stations can always be softened practically to whispers.

Their striking beauty will please your eye, and your ear will introduce to you new qualities in radio, which you are sure to pronounce a revelation.

See the new Crosley sets at your dealers or write Dept. 49 for literature.

Crosley manufactures radio receiving sets which are licensed under Armstrong U. S. Patent No. 1,113,149, or under patent applications of Radio Frequency Laboratories, Inc.

THE CROSLEY RADIO CORPORATION

Powel Crosley, Jr., President CINCINNATI, OHIO

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

BETTER—COSTS LESS

FOR THE ENTERTAINMENT CORNER