

# Official Call Book dhd Log Complete This Issue

Mike in Congress; Hawaii Calling; Pictures; KFWB Traps Fox; Four Legionaires; Champ Staller; Getting-up Exercises; Home Television; Radio Personalities; Tube Trust Decision

# The radio leadership of 1928

180 volts on the output tube plate/ Gigantic UNDISTORTED volume from the Bandbox/

> Power! Power! POWER! A feature of the Crosley AC Bandbox that lifts it head and shoulders above competition!

> 170 to 185 volts on the plate of the power output tube!

> Comparative checkings of competitive radios show interesting figures. Under identical testing conditions the Bandbox shows a full 170 to 185 volts on the plate of the 171 power output tube. Other radios show from 100 to 110 and 130 to 140 volts on

> > the plate of the output tube. The 171 power tube should have around 180 volts. This better than 40% superiority in one case and 25% in the other is the difference between today's radio and yesterday's.



MUSICONE — Type D \$15

Crosley Musicones are famous for their value. This new style is no exception. Its low price of \$15 is in keeping with Crosley traditions. It instantly demonstrated its soundness by immediate and enormous sales.

Double unit

The Bandboxes are genuine Neutrodyne receivers. Totally and completely shielded, their acute sensitivity and sharp selectivity is amazing.

It has a single illuminated dial. Contributing much to the success of this 1928 wonder radio is the Mershon Condenser in the power element of the set. Not being paper, the danger of its blowing out is entirely removed so that the desired heavy voltage can be used to produce the acoustic and volume results so greatly desired. IT IS SELF HEALING. It does not have to be replaced as is the case with paper condensers.

The capacity of smoothing condensers in Crosley power units is 30 mf. Other sets use only a fraction of that condenser capacity. Undersize condensers, transformers, etc., are used in order to build down to a price. Crosley builds up to a standard.

The AC Bandbox is purposely made in two models—the 602 in a double unit—the 704 self contained. This is to provide maximum adaptability in all sorts of surroundings and uses.

The 602 double unit provides console cabinet installation in ALL kinds of consoles.

The 704 is for those who want the entire set in one cabinet. The two sets are identical in elements, design and performance. The physical difference is solely to meet human differences of taste, necessity and price! The size of the 704 is 175% inches long by 1234 inches wide and is 61/8 inches high.

# Battery Type Bandbox - \$55

This celebrated model needs no picture for in appearance it is identical to the 602 receiver pictured above. Its amazing performance has won the radio world this season and its value is as outstanding NOW as the Single Unit



Approved Console Cabinets manufactured by Showers Brothers Co., of Bloomington, Ind., and Wolf Mfg. Industries, Kokomo, Ind., are sold to Crosley dealers by H. T. Roberts Co., 1340 S. Michigan Ave., Chicago, Sales Representatives.



Crosley is licensed only for Radio Amateur, Experimental and Broadcast

# THE CROSLEY RADIO CORPORATION

Powell Crosley, Jr.

Cincinnati, Ohio

Montana, Wyoming, Colorado, New Mexico and West, prices slightly higher.

Write Dept. 49 for descriptive literature.

New

401 Dry Cell Type

**BANDBOX** 

**JUNIOR** 

A new dry cell receiver with all the

features of the Bandbox-selectivity,

sensitivity, volume and appearance.

For places where AC current or stor

age battery service is not available

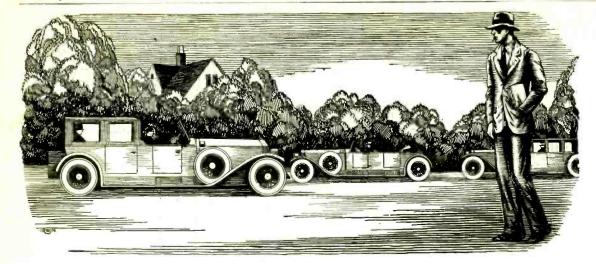
or desired. Costs about 21/2c per

\$35

hour to operate.

day it was first presented!

Crosley" You're there with



Many times in the old days, while I trudged home after work to save carfare, I used to gaze enviously at the shining cars gliding by me, the prosperous men and women within. Little did I think that inside of a year, I, too, should have my own car, a decent bank account, the good things of life that make it worth living.

# I Thought Success Was For Others

Believe It or Not, Just Twelve Months Ago I Was Next Thing to "Down-and-Out"

TODAY I'm sole owner of the fastest growing Radio store in town. And I'm on good terms with my banker, too—not like the old days only a year ago, when often I didn't have one dollar to knock against another in my pocket. My wife and I live in the snuggest little home you ever saw, right in one of the best neighborhoods. And to think that a year ago I used to dodge the landlady when she came to collect the rent for the little bedroom I called "home"!

It all seems like a dream now, as I look back over the past twelve short months, and think how discouraged I was then, at the "end of a blind alley." I thought I never had had a good chance in my life, and I thought I never would have one. But it was waking up that I needed, and here's the story of how I got it.

WAS a clerk, working at the usual miserable salary such jobs pay. Somehow I'd never found any way to get into a line where I could make good money.

Other fellows seemed to find opportunities. But—much as I wanted the good things that go with success and a decent income—all the really well-paid vacancies I ever heard of seemed to be out of my line—to call for some kind of knowledge I didn't have.

And I wanted to get married. A fine situation, wasn't it? Mary would have agreed to try it—but it wouldn't have been fair to her.

Mary had told me, "You can't get ahead where you are. Why don't you get into another line of work, somewhere that you can advance?"

"That's fine, Mary," I replied, "but what line? I've always got my eyes open for a better job, but I never seem to hear of a really good job that I can handle." Mary didn't seem to be satisfied with the answer, but I didn't know what else to tell her.

It was on the way home that night that I stopped off in the neighborhood drug store, where I overheard a scrap of conversation about myself. A few burning words that were the cause of the turning point in my life!

With a hot flush of shame I turned and left the store, and walked rapidly home. So that was what my neighbors—the people who knew me best—really thought of me! "Bargain counter sheik—look how that suit fits," one fellow had said in a low voice. "Bet he hasn't a dollar in those pockets." "Oh, it's just 'Useless' Anderson," said another. "He's got a wish-bone where his back-bone ought to be."

As I thought over the words in deep humiliation, a sudden thought made me catch my breath. Why had Mary been so dissatisfied with my answer that "I hadn't had a chance?" Did Mary secretly think that, too? And after all, wasn't it true that I had a "wish-bone" where my backbone ought to be? Wasn't that why I never had a "chance" to get ahead? It was true, only too true—and it had taken this cruel blow to my self-esteem to make me see it.

With a new determination I thumbed the pages of a magazine on the table, searching for an advertisement that I'd seen many times but passed up without thinking, an advertisement telling of big opportunities for trained men to succeed in the great new Radio field. With the advertisement was a coupon offering a big free book full of information. I sent the coupon in, and in a few days received a handsome 64-page book, printed in two colors, telling all about the opportunities in the Radio field and how a man can prepare quickly and easily at home to take advantage of these opportunities. I read the book carefully, and when I finished it I made my decision.

WHAT'S happened in the twelve months since that day, as I've already told you, seems almost like a dream to me now. For ten of those twelve months, I've had a Radio business of my own! At first, of course, I started it as a little proposition on the side, under the guidance of the National Radio Institute, the outfit that gave me my Radio training. It wasn't long before I was getting so much to do in the Radio line that I quit my measly little elerical job, and devoted my full time to my Radio business.

Since that time I've gone right on up, always under the watchful guidance of my friends at the National Radio Institute. They would have given me just as much help, too, if I had wanted to follow some other line of Radio besides building my own retail business—such as broadcasting, manufacturing, experimenting, sea oper-

ating, or any one of the score of lines, they prepare you for. And to think that until that day I sent for their eye-opening book, I'd been wailing "I never had a chance!"

NOW I'm making real money. I drive a good-looking car of my own. Mary and I don't own the house in full yet, but I've made a substantial down payment, and I'm not straining myself any to meet the installments.

Here's a real tip. You may not be as bad off as I was. But, think it over—are you satisfied? Are you making enough money, at work that you like? Would you sign a contract to stay where you are now for the next ten years, making the same money? If not, you'd better be doing something about it instead of drifting.

This new Radio game is a live-wire field of golden rewards. The work, in any of the 20 different lines of Radio, is fascinating, absorbing, well paid. The National Radio Institute—oldest and largest Radio home-study school in the world—will train you inexpensively in your own home to know Radio from A to Z and to increase your earnings in the Radio field.

Take another tip—No matter what your plans are, no matter how much or how little you know about Radio—clip the coupon below and look their free book over. It is filled with interesting facts, figures, and photos, and the information it will give you is worth a few minutes of anybody's time. You will place yourself under no obligation—the book is free, and is gladly sent to anyone who wants to know about Radio. Just address J. E. Smith, President, National Radio Institute, Dept. 2P, Washington, D. C.

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National	Radio Institute.
Dept. 2F	P, Washington, D. C.
Dear Mi	. Smith:
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# Foil Tube Trust in Court Answer

Delaware Judge Finds DeForest Used Langmuir Idea Long Before Patents Were Issued

R. LEE DeFOREST has been described as the typical genius, evolving great ideas that produce fortunes for others but little profit to the originator. Through lack of good business acumen he lost control of the three element Radio tube which he invented. His company fell into the hands of the receiver, and lately he has been sued by the General Electric company for infringement of their so-called "Langmuir high vacuum patents."

But the decision in the suit just rendered by Judge Hugh M. Morris in the Delaware United States District court is described as a sweeping victory for Dr. DeForest by Arthur D. Lord, receiver for the company.

Mr. Lord has analyzed the decision as R. LEE DeFOREST has been described

Mr. Lord has analyzed the decision as follows:

DeForest by Arthur D. Lord, receiver for the company.

Mr. Lord has analyzed the decision as follows:

"The principal patent of this group, which it has been asserted by the Radio Corporation, the General Electric company, and their associated companies, to completely blanket the vacuum tube art, specifically including Radio tubes, had all its claims declared invalid for a number of reasons. This patent—No. 1,558,436—was granted on October 20th, 1925. Irving Langmuit, research engineer of the General Electric company was the patentee.

"If the patent had been sustained it would have run for seventeen years from the date of its issuance and hence would not have expired until October 20th, 1942. The patent was asserted to cover any vacuum tube which had a high enough vacuum in it to permit a plate voltage of 40 volts to be employed without appreciable ionization effects. This in effect covered every vacuum tube used today. The court held the patent to be invalid for each of the following reasons:

\*\*Reasons for Decision\*\*

"Because Langmuir was not the first inventor of the subject matter, in other words other and prior investigators had done the same thing.

"Because Dr. Lee DeForest had had previous knowledge of the invention and had actually used the alleged invention in California in 1912, a year before Langmuir had ever seen a vacuum tube of the three electrode type.

"Because Dr. Harold DeForest Arnold of the Western Electric company had conceived and utilized the vacuum tubes operating on the pure electronic flow theory, as distinguished from gas ionization theory, before Langmuir had any conception of the alleged invention of the patent.

"The examiner of interferences and the board of examiners-in-chief in the patent office both held in favor of Langmuir, but the commissioner of patents held in favor of Langmuir.

"Judge Morris in this case disagreed with the Court of Appeals of the District of Columbia and adopted the opinion of the commissioner of patents, holding that if any invention had been made Ar

any invention had been made Arnold made it.

"The determination of this point, however, is of no practical effect because the court concluded that no invention had been made by anyone and went into this subject to show that Langmuir, the patentee, had wrongfully obtained a patent, as even if it were conceded that an invention had been made Langmuir was not the first inventor.

Second Patent Invalid

"With respect to the companion Langmuir high vacuum patent involved in the litigation, the court in its opinion concluded that the second patent—No. 1,244,216—granted October 23rd, 1917, directed to the use of a thoriated tungsten filament in a high vacuum for Radio tubes was invalid as being the mere adoption and use of a filament standard in incandescent lamp practice in vacuum tube practice.

"The court pointed out that with the advent of carbon filaments were adopted for carbon tubes and that, therefore, as rapidly as a filament was developed for incandescent lamp work it was adopted for vacuum tube work. Hence when thoriated tungsten filament was adopted for incandescent lamp work it was adopted for incandescent lamp work it was adopted for incandescent lamp work it was the most natural

vacuum tube work. Hence when thoriated tungsten filament was adopted for incandescent lamp work it was the most natural and logical thing to do to use it with filament for vacuum tubes. Consequently, anyone who did it made no invention in doing it.

"The third of the associated patents—No. 1,529,597, granted March 10, 1925, and known as the magnesium flash patent, was likewise declared to be invalid. This patent is directed to employing magnesium as a vaporizable agent for 'getting' and 'keeping' a high vacuum chemically.

"The court found that this patent disclosed no invention in view of the knowl-

# MARCELINE SHINES ON SCREEN AND AIR

OTION pictures and Radio seem to

MOTION pictures and Radio seem to be drawing nearer and nearer together as the common and most available means of entertainment for the great majority of the people. The stars of one often step across the stage to be stars of the other and soon, it is believed, motion pictures will come by Radio into every home where there is a Radio receiving set.

And that, as well as the beauty of her face, accounts largely for the appearance of Miss Marceline Day on our cover this issue. Miss Day is one of the newer stars of the Metro-Goldwyn-Mayer aggregation. You know they have fifty of the most popular screen stars of the day under the M-G-M colors. Miss Marceline is one of the beauties whose stellar brilliance is growing brighter every day. The picture shows her in the very latest pose by the photoplay portrait artist and just as she appears glancing back from the M-G-M microphone at WHN.

edge many years before it of the employment of flash material for the same purpose, specifically including magnesium, the subject of the patent, in vacuum tubes, specifically including Radio tubes.

specifically including Radio tubes.

Fourth Patent O. E.

"The fourth patent of the group—No.
1,244,217—granted October 23rd, 1917, was held to be valid by the court and claims 1 and 4 to be infringed by the defendant. This patent is known as the 'potassium getter and keeper patent.' This material is used for assisting the getting of a vacuum and maintaining the vacuum after it has been obtained.

# RADIO PARROT DIES WHILE HOUSE BURNS

Children Mourn Static, Famous Pet of WLS Lullaby Boys

STATIC, the famous parrot of Ford and Glenn, whose voice was familiar to all listeners of WLS, the Sears Roebuck station, is no more.

In spite of heroic efforts on the part of the Oak Park fire chief he succumbed to fumes at a fire which caused havoc in the home of Glenn Rowell, the Glenn of the

fumes at a fire which caused havoc in the home of Glenn Rowell, the Glenn of the famous harmony team.

Glenn, and children who had gathered about the scene of the fire, were frantic when it was discovered that Static remained among the missing. Fire Chief Waters dashed into the flaming building, groped his way through the smoke, and up the blazing stairway to the second floor where the parrot was kept in a room of his own. By this time the entire upper floor was a swirling mass of flames. But the chief persevered breaking through a window and getting a slash of broken glass that half severed his left thumb from his hand. Static lay in a singed and crumpled heap beneath his perch. The chief picked him up and finally succeeded in getting to the open air, the parrot in one hand and the other spurting blood. His face also was seared by the flames. Static was dead.

Static had been in retirement for about a year, while Ford and Glenn appeared at various stations and in theatrical engagements. Previous to that time he probably enjoyed more fame than any other parrot

Ivan Jones has been introduced as a new announcer at KYW, Chicago.

# that ever lived.

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Looking Ahead

Special Galaxy of Pictures will characterize the next issue of Radio Digest. As many stations as can possibly be represented will have photo personalities in the March Radio Digest Picture Album. Don't miss it for a keepsake.

New Ideas in Broadcasting will be discussed in an interesting manner by a forward looking director who has made a success of his station.

A Brand New Circuit will be shown from the workshop of one of the Radio Digest's technical experts. It's a WOW, they say.

Final Instalment of the Simple Explanation of Broadcasting will be published in

the March issue of Radio Digest.

Special articles about broadcasting stations and artists, with photographs, are desired. No manuscripts accepted unless typewritten and prepaid, or returned without return postage being inclosed. All manuscripts are sent at owner's risk.

# Newsstands Don't Always Have One Left

Every Month New Wave Changes in the Official

# Radio Digest

BE SURE OF YOUR REGULAR COPY BY SUBSCRIBING NOW

# SEND IN THE BLANK TODAY

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

City ..... Stata....

# SHORT WAVES

By Marcella -

Coon-Sanders Orchestra Discovered; Bob and Bobby Unearth Two Ro-mances; KFRC Ad Brings Results; WIP Announcer's Terrible Past.

MARCELLA has so many things to tell you this month I doubt if they will confine themselves to one column. We have had so many visitors and each visitor brings a little news of someone else until really, as I say, where can you put it all? So if your questions are not answered at once, don't be discouraged, Marcella is working on them. ARCELLA has so many things to tell working on them.





Bob and Bobby, by asking me about John Brown you unearthed two romances which I might otherwise never have heard of. John Brown of WLS is engaged to June of the team of May and June formerly at WLS, now at WCFL. June is Juanita Rac, a sweet little girl. And I guess she finds plenty to like in John. He is over six feet tall, slim and blond with those lovely blue eyes. I have it on good authority that he has a pleasant personality. He says his hobby is playing the plano at all times. But we can think of a better one for him, can't we?

But here is what you did, Bob and Bobby, you uncovered a marriage and that of the lovely May to the WLS violinist, Koby Sivinsky. He isn't as tall as the stately May, but he has real talent as a violinist and is now playing with Paul Ash's gang.

You remember the December issue about the bachelor staff of KFRC and how skeptical I was? Here is Mr. Harrison Holliway's reply to that. "Marcella, your ad for the unleashed announcers and bachelor girl of KFRC at San Francisco has already shown results. Immediately following receipt of Radio Digest and the complete digestion of its contents, particularly the ad, Harold G. Peery, chief technician of the station, announced his intention of embarking upon the possibly turbulent sea of matrimony—so he is definitely 'hooked.'"

Then came the next shock—having thoroughly absorbed your column, wearing an expression indicative of far-away thoughts and frequently mispronouncing announcements, Munroe Upton, known to Western radioists as 'Simple to n Fitts' has weakened and finally givenin to some sweet young thing whose dials, both heart and Radio, have been heretofore tuned permanently to Simpy's charming voice. The bachelor-girl, "Peggy O'Neil, boys, is still loose. (Officer, hold that crowd back!)" I should think he should, isn't she cute?



You ask me about Edward A. Davies, that pioneer announcer of WIP, Philadelphia, Evangeline. My goodness, is there a place that man has not announced so mething or other? He says he has broadcast from the bottom of the ocean, from 6,000 feet in the air, from every conceivable place on land, including the Eastern State Penitentiary, Philadelphia, football games, zoological gardens, grand opera and almost any other place that it was possible to get a microphone. Sounds like a terrible record, doesn't it? Yes, Evie dear, he is married and his wife is a concert and operatic singer. He's about thirty-five and terribly goodlooking as you can see. Ain't it the truth, they are always married? Oh yes, he has a hobby for going to Europe, which hobby was satisfied last summer. summer.

(Continued on page 23)

# Harry C. Browne—Alias, Captain Kidd



Several months ago when a certain advertiser desired something unique in the way of a Radio broadcast program, the Columbia Broadcasting System called upon Harry C. Browne for his best idea of a unique feature. After a few minutes' thought, Mr. Browne gave voice to a brief outline which later became the Cap'n Kidd Program. Inasmuch as it was his idea, Mr. Browne was given complete charge of the production and cast himself in the role of the jolly buccaneer, Cap'n Kidd.

Looking back over the life of Harry C. Browne we find ample reasons for his ability along this line. He has devoted twenty-five years of his life to theatrical work. Mr. Browne received his early dramatic training in stock and repertoire, later playing leading parts with such well-known artists as Lillian Russell, Frances Starr and Irene Bordoni. His experience has not been limited to the stage, however, having ventured into the motion picture field and been

starred in important roles with Mary Pickford, Hażel Dawn, Constance Talmadge, Mae Murray and Corinne Griffith.

Dawn, Constance Talmadge, Mae Murray and Corinne Griffith.

In addition to all this, Harry C. Browne has made some 50 phonograph records of old minstrel songs. The playing of the banjo is his pet hobby and most of these phonograph records are made with his own accompaniment on his favorite instrument. An idea of Mr. Browne's position in the theatrical world is gained from the fact that for many years he has been on the Board of Directors of the Actors' Theatre, the American Theatre Association, and since 1919 has been counsel for the Actors' Equity Association. He came to the Columbia Broadcasting System as a production director and also to lend his playwriting experience on special continuities. Prior to joining the Columbia organization, Mr. Browne was the station director of WGHP.

The Cap'n Kidd Program, which was conceived

entirely by Mr. Browne, has proven to be one of the most popular features on the air. The broadcast is built on the fantastical supposition that Cap'n Kidd has returned to earth and, remembering that through his raids of centuries ago he deprived many people of their fortunes, in his second life he is endeavoring to restore to them, through excellent Radio programs, what he took away from them in his pirate days. Supporting Cap'n Kidd are members of the pirate crew known as One-Eyed Moildon, Gypsy, Grumpy, Swede, and Stump McKenna, all of whom have vocal and instrumental talents not generally found among a buccaneer band. In addition, Cap'n Kidd has mustered his own orchestra, and to assist himself and his artists in giving entertainment, each week Cap'n Kidd captures some particular group as feature attractions. One week he sent his crew to bring a firemen's band to the studio and next week he captured a minstrel show,

# FANS' LETTERS AID RADIO COMMISSION

THOUSANDS GIVE PLANS FOR IMPROVEMENT

Many Radicals Propose Measures of No Value — Commission Sums up Own Conclusions

up Own Conclusions

Some of the proposals of the Radio fans of the United States were acknowledged as very helpful to the federal Radio commission when it first came into being, while others were considered fanatical and impractical, says the first annual report of the commission made to congress. For the guidance of the commission some 3,000 letters and telegrams were read of which the following is a brief digest:

I. Whatever plan is followed, every station must remain exactly on its assigned wave length. A crystal or other control should be required to accomplish this purpose.

pose.

2. Stations logically should be classified into the big and the little, or the high power and the low power—the local and the national—the general and the special. The higher-grade stations should have greater range and signal strength and more desirable frequencies upon which to operate. They should be subjected to the minimum of regulation by the government. The other class should take what is left. They should be purely secondary in everything but regulation.

operate. They should be subjected to the minimum of regulation by the government. The other class should take what is left. They should be purely secondary in everything but regulation.

3. Pirates should be given no consideration. Fundamentally they are persona nongrata with the rank and file of Radio listeners. They simply interfere with good programs.

4. Directly advertising wares must beeither entirely prohibited or greatly restricted. It has been suggested daylight hours only be used for advertising directly.

5. All transmitters should be located outside of cities and congested areas, particularly outside of residential districts.

6. Telegraphic interference is either ruining or seriously jeopardizing broadcast reception in many specific localities. Foreign ships and wandering amateurs are charged with this high misdemeanor.

7. Chain broadcasting is either the greatest blessing or curse of broadcasting. The conclusion is dependent entirely upon either the location of the listener or his particular taste. It is noteworthy that but few suggest the elimination of chain broadcasting. Hours of operation and power limitations and specific frequencies come in for appropriate attention when discussing this subject.

In connection with the beginning of its work the commission in its report, which covers the time of its first meeting to June 30 says in part:

Channels were Cleared

The work of the federal Radio commis-

Channels Were Cleared

The work of the federal Radio commission from its first meeting, on March 15. 1927, up to June 30, was devoted almost exclusively to clearing up the broadcasting situation. With the physical capacity of the available channels, or wave lengths, already far exceeded by the number of stations actually in operation, and with no provision in the law for the federal acquisition or condemnation of broadcasting stations in order to reduce the total number, the commission found it necessary to evolve some plan whereby, without any unconstitutional exercise of arbitrary authority, the listening public could receive more dependable broadcasting service, and whereby a gradual and orderly development could be counsed on to bring about a progressive reduction in radio interference.

progressive reduction in radio interference.

The following record, taken largely from the orders and bulletins of the commission, outlines the steps whereby this plan was evolved and put into execution. These steps were, in brief, four: First, the determination of the best scientific opinion through a series of public hearings; second, the internal organization of the commission, handicapped as it was by lack of funds, to handle the enormous amount of documentary material which was required; third, the protection of the broadcasters against liability for unlicensed broadcasting until a suitable basis for the new licenses could be worked out; and, fourth, a complete new allocation of frequencies, power, and hours of operation for all the existing 732 broadcasting stations to provide adequate local separation and a basis for the gradual elimination of distant interference. terference.

# Signal Mars by Beam

WASHINGTON.—Dr. A. N. Goldsmith, chief broadcast engineer of the Radio Corporation of America, is planning an extended experimental effort to communicate with Mars. If there are intelligent inhabitants on the planet he believes they will be able to comprehend a dot and dash code if there is sufficient repetition. The plan of attempted communication would involve the use of a huge beam transmitter or a bank of searchlights.

# CONDITIONS BETTER SAYS O. H. CALDWELL

UDGE CALDWELL, commissioner from the South, declares Radio con-ditions are much better in his dis-

ditions are much better in his district. He says:
"I did considerable listening in while at my home in Jackson, Miss., which is approximately 250 miles north of New Orleans and 280 miles south of Memphis. Among the stations that are now coming in well down there are WEAF and WJZ, New York; KDKA, Pittsburgh; many of the Chicago stations; WCCO at Minneapolis and KFI at Los Angeles. Also I was able to pick up Mexico City and Cuba."

# Leader Warns Against Corporation Monopoly

Edward H. Nockels of Chicago in behalf of the American Federation of Labor made a sensational attack at the short wave hearing in Washington by charging that Radio Corporation of America and the American Telephone and Telegraph com-pany are scheming to assume control of the air on the American continent.

"I think it is perfectly obvious," said Mr. Nockels, "on the very face of the arguments they present, that the United States should begin at once to take notice and retain a few rights for the good of the majority of the people."

# BEAUTY DISCOVERED VOICE BY CHANCE



MARIE BRONARZYK, the pensive young beauty above, very nearly became a devotee of the test tube. She specialized in chemistry in high school and was preparing to go on studying along these lines in college. Her music teacher, her Radio audience and the mustic critics persuaded her to continue with her voice training. They all felt that here was a voice of uncommon beauty and of big register.

# Salisbury from Wisconsin Appointed Radio Chief in Agricultural Bureau

Not a Particularly Remunerative Job But Proved Good Stepping Stone For Sam Pickard on His Way to Post as Member of Federal Radio Commission

THEY have a new chief for the Radio division of the department of agriculture at Washington. The salary connected with the job is nothing to worry the income tax taker, which may account somewhat for the long delay in finding someone to seek it.

However, the job has great possibilities. It was held less than a year ago by Sam Pickard, who really organized the division. When a guiding hand was needed for the new federal Radio commission Mr. Pickard kissed the department of agriculture good-

nouncement plainly states that the appointment is "temporary," intimating nobody can ever tell what might happen as the result of the formal civil service examinations for other applicants. But it is generally understood that Mr. Salisbury is not throwing up his job as editor of the press bureau of the University of Wisconsin and moving down to D. C. just to fill in for a few weeks while the department sashays around for another candidate to fill the civil service requirements.

Mr. Salisbury was trained by Mr. Pickerd.

new federal Radio commission Mr. Pickard kissed the department of agriculture good-bye and became secretary of the commission. Salary inducement was not negligible.

A few months as secretary of the commission and Mr. Pickard was promoted again, this time by Presidential appointment to fill one of the \$10,000 chairs of the commission itself. The impetus he had given the office of chief of Radio division of the department of agriculture carried the work forward without a new incumbent being installed.

Now Mr. Morse Sallsbury has been formally appointed. To be sure the an-

# DAVENTRY STATION WILL HELP SCIENCE

LATTICE ANTENNA LOOKS LIKE HALF-SIZE

Engineers Observe Scheme Connecting High-Tension Direct Current to Power Tube Anodes

THE first programs of 5GB, the new Daventry experimental station, England, are being heard very successfully throughout the country. The object of the station is to provide an alternative program to that of 5XX (Daventry) and 2LO (London).

Beside the nearby 5XX, both the building and twin serials of the new station

Beside the nearby 5XX, both the building and twin aerials of the new station are dwarfed, yet the newcomer is by far the more powerful of the two! When the new aerial, 325 feet high, replaces the temporary one at present in use (only 110 feet high) 5GB should be heard at even greater strength. This new aerial, which is being brought from Poldhu, is already in process of exection.

is being brought from Poldhu, is already in process of erection. The most striking contrast between the two stations is between the colossal lattice masts of 5XX towering 500 feet high, and the comparatively insignificant aerial system of the new station. Again, whereas the aerial of 5XX consists of a single wire, each of those of 5GB comprises four parallel wires.

### Employs Two Aerials

The object of using two aerials for 5GB is because the original one had a distinct directional effect towards London, whereas Birmingham was left out in the cold. use of a second aerial overcame the dif-

use of a second aerial overcame the difficulty.

The engineers put the aerial power of 5GB at 20 kilowatts, though the maximum input is about 65 kilowatts. Eventually the input will be raised and the aerial power will be about 30 kilowatts.

The actual transmitter works on a different principle from that used in other British stations. Modulation takes place at a low power, and the modulated carrier wave is magnified by a power amplifier using water-cooled tubes. Using this particular method, the engineers claim they have eliminated harmonics. Airplanes flying over the station have failed to detect any. A constant wave-length is maintained by the master oscillator, which is isolated from influences which might tend to vary its frequency. The Geneva wave meter is in position. This meter was designed to a standard pattern, and one was sent to each of the stations in Europe subscribing to the scheme, in order that they might keep a close check on frequency and avold wandering from their particular wave-length.

# Interesting Experiment

The supply to the anodes of the power tubes is carried out partly by a hightension direct current motor generator giving 10,000 volts, and partly by a bank of six water-cooled rectifying tubes working direct from the supply mains and giving the same direct current voltage. This is an experimental arrangement. Another interesting feature is the supply of filament current under special test conditions.

# NAA Spanish Airs Please Republics

Pan-Americans Appreciate Uncle Sam's Courtesy Programs—Factor in Courtesy Programs—Fact International Peace

THE ether wave is no respecter of national borders. It may pulse from the heart of one country and vibrate in the heart of a dozen others at the same time. Music is the universal language. It stirs the same emotions in the human breast everywhere.

However, there are those who believe international peace would be on a surer footing if the individual listener in the home could understand the words spoken home could understand the words spoken by the speaker or singer across the boundary. In England the British broadcasting company is teaching the subjects of King George to understand the programs across the channel by language courses over the air. This has proved a great boon to the English DX hound, who is just as passionately interested in getting distance as his American cousin.

Uncle Sam has been carrying on the

American cousin.

Uncle Sam has been carrying on the good work in the western hemisphere under slightly different circumstances. Here the problem is not so intricate, as we have but one dominating language besides English, and that is Spanish. The government has not made a point of teaching North Americans Spanish, but has been sponsoring good will programs by artists from Spanish speaking countries to the south over the naval station NAA at Washington, D. C., augmented by private programs.

# WHO ORCHESTRA TAKES BIG LEAD

# **TELEVISION SHOWN** IN HOME RECEIVER

ALEXANDERSON DEVICE TO SOLVE OLD PROBLEM

Photo-Electric Ray Through Revolving Shutter Makes Image by Radio Like Moving Pictures

TELEVISION in the home is a reality. All the cumbersome and costly apparatus that characterized the transmission of Secretary Hoover's face by telephone from Washington to New York has been reduced to a cabinet about the size of the average receiver or phonograph console. console.

onsole.

The first one was shown the middle of the month just past at the home of E. W. Allen, vice president of the General Electric company, in Schenectady, N. Y. Mr. Allen had as his guests a number of well known scientists and a company of newspaper men. They were assembled in the large parlor of the home, the receiver was set up in the usual way. Lights were dimmed and a scene from the General Electric WGY studio was tuned in on two separate wayes. For the ear the regular WGY broadcast waye of 379.5 meters was used, and for the eye the WGY short wave, 37.8 meters.

reproduced in this distant room. Not only was being reproduced here but in several other homes in Schenectady, for several of these sets had been prepared for the experimental tests. experimental tests of simultaneous broadcasting, Many of the very

keenest minds have

Many of the very keenest minds have been concentrated on the problem of television for years. Korn, Belin, Baird, and even the great Marconi have been working on the other side of the Atlantic to produce practical television. Practleally all of the leading Radio inventors have been experimenting in America. The device described above was developed by Dr. E. F. W. Alexanderson, whose inventions have made modern Radio transmission possible. Dr. Alexanderson is consulting engineer of the General Electric company and the Radio Corporation of America.

The receiver which he used for television differs from the ordinary short wave receiver in that it converts the electro-magnetic wave into light instead of sound, and the light becomes an image corresponding in movement and shade modulation to the action of the artist at the transmitting end.

The fact that these images have been transmitted is haled not so much as an accomplished fact in that regard as that the apparatus for receiving has been simplified into a receiver capable of being placed in any home for everyday use. A vast amount of laboratory experimental work has brought forth this development. t is not yet a marketable product al-ib-ough a number of laboratory models are to be placed at central and strategically located points where they will be operated by technical observers who will report deficiencies for correction. Then will come the manufactured product and television for all who wish to buy.

# SENATE MAY INSTALL

Senator Dill Submits Resolution to Arrange Broadcasts

to Arrange Broadcasts

A LTHOUGH army and many engineers have declared impractical the proposal to establish a microphone on the desk of each United States senator there persists the hope that some way will be found to accomplish this end. (See military report on the project on page 15.)

A second resolution on the subject was introduced during the early part of January by Senator C. C. Dill of Washington. The resolution provides that "the sergeant of arms of the senate is hereby directed at as early a date as practicable, to equip the desk of each individual senator with the proper electrical connections to which a microphone for Radio broadcasting may be attached, and also to install a microphone control switchboard to enable connections of each microphone with the broadcasting stations as may be desired during the senate proceedings, and the necessary expense for such installation of electrical connections and equipment is hereby authorized to be paid out of the contingent fund of the senate." The Dill resolution continues:

"The committee on rules of the senate is hereby authorized to make arrangements for the broadcasting of such proceedings of the senate as the committee may determine through such Radio broadcasting stations, as it may be possible to arrange for broadcasting without expense to the senate or the government." The resolution has been referred to the senate committee on andit and control.

# MIKES ON EACH DESK CHRISTENSEN'S MEN SWING INTO ACTION TO WIN PLAQUE

San Francisco Produces New Live Wire Contender in Krausgrill, KFRC-WLS Leads Midwest District, CNRW Heads Dominion

# Turn to Official Wave Table for Corrections

A LTHOUGH Radio Digest maintains a correspondent in Washington to keep in daily contact with the Radio commission, it sometimes happens that announcements of proposed wave length changes are withheld until after this magazine has gone to press. Such was the case last December, when presses were stopped and a new corrected page plate was made for the Official Wave Length Table. Contracts made it impossible to hold the issue up to make other changes throughout the book. The same situation seems in prospect for this February issue. Last minute changes will be found on the page carrying the Official Wave Length Table.

Radio Digest has maintained a long record for carrying the most accurate information on calls and wave lengths of any national publication.

# WORLD'S MOST POPULAR RADIO ORCHESTRAS

Leading America Middle West

ZOOM! Zowie! Up they go!

Will you look at the Christensen orchestra of WHO!

They have called the rally again for Iowa. When the cornhuskers set out for Radio glory they climb all obstacles, and there's no stopping of them.

Two Radio cups have already been awarded to I o w a broadcasters, a nd now the boys of the Hotel Fort Des M o i ne s seem to have shoved the stick clear over for a sharp rise clear above all competition for the beautiful gold plaque to be awarded to the most popular Radio orchestra in the United States or Canada.

Of course the

Of course the trophy is not yet cinched. There's a loud voice — a n d loud voice—and growing louder— over on the Pacific coast. Walter Krausgrill of the Balconades Ball-room and broad-casting over KFRC took a sudden rise tosking over KFRC took a sudden rise just before Radlo Digest signed off for copy for this issue. A letter states that this is

for copy for this Issue. A lettler states that this is only a starter, that gold plaques belong in the Golden West where the first gold came from, and they're going to bring the plaque to San Francisco. Swinging 2,500 votes at one swoop the KFRC airmen hopped into the five thousand class with a score of 5,665.

Reckon With Aces

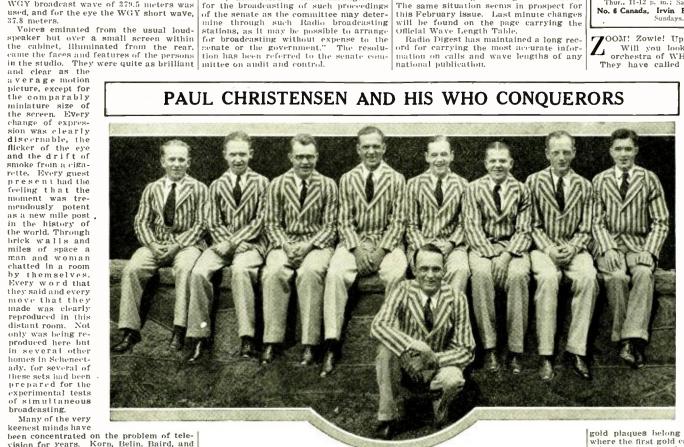
But do not forget to reckon with those world beating Seven Aces of WBAP, Fort Worth. Texas. And Maurie Sherman's squadron at the Hotel Sherman hangar, skimming out on the WLS wave, are coming strong. The East is still going slow—maybe saving ballots for the bonus, or perhaps a little too blase to get into a red blooded match with their more virile western contemporaries.

The Seven (come 'leven) Aces underestimated, the Christensen cohorts of the North, but now that they have the range another month may tell a different story.

Tom Brannon, manager of the orchestra writes from the Texas hotel as follows:

"The Seven Aces, all eleven of 'em, claim to be the second orchestra in America to become a regular feature from any station, the other being the Detroit News orchestra. We began with the Atlanta Constitution, Station WGM, in 1922 and continued there until the station passed into the hands of the Georgia School of Technology in Atlanta. Then we went to WSB until we left Atlanta In October, 1925, and broadcast from WMC and WREC in Memphis at the Hotel Peabody. Leaving Memphis in August, 1927, we came with the Baker Hotel company and resumed our broadcasting over WFAA. (Continued on page 18)

# PAUL CHRISTENSEN AND HIS WHO CONQUERORS



HERE is Paul and his boys of the whirlwind Paul Christensen orchestra at WHO, Hotel Fort Des Moines, Des Moines, Iowa. They made a sensational climb to international leadership in the Radio Digest contest for the world's most popular orchestra. Everybody has a seat here but Paul. The names from the left are: Max Groves. Lyle Glazier, George Strobel, Richard Christensen, Bob Warner, Harold Pratt, Cecil Huntzinger and Ernest Anderson. But don't be too sure—there a big stir going around in other musical circles!

NUMBER

# COUPON BALLOT

World's Most Popular Orchestra Contest

POPULAR ORCHESTRA Editor, Radio Digest, 510 North Dearborn Street, Chicago, Ill.

Please credit this hallot to:

r rease creare	tins barrot to.	
	of Statio	n
	(Orchestra's Name)	(Call Letters)
	Signed	
	Address	
	City Stat	е

www.americanradiohistory.com

# RADIO PERSONALITIES AND EVENTS



DO NOT sink the set when all seems lost in the raging sea of Radio waves. Remember that WFMC, Berrlen Springs, Mich., is the Radio Light House. Turn your helm until you catch the voice of Wm. A. Wentworth and you'll make the harbor safely.



MANY a romance has been quickened over a demi-tasse, and when Sophie Braslau's soft contralto comes over the air during the Maxwell hour He Just naturally hitches his chair closer to the table to be a little nearer.



THERE are many interesting features to be heard any day of the week from WNBO, but nothing quite takes the cake so well as this Fa-Lo-Ben Hawaiian troupe. Their fame spread out from Washington, Pa., to such an extent there was no other way around for them but to make a tour of broadcasting stations throughout the country. Now their admirers have increased a thousandfold, and that Pennsylvania has a Washington has become a well known fact.



A FTER seeing America over the orchestra pits from the vaudeville stage Eva de Vol decided to tarry at San Francisco where she now sings over KPO for Californians.



H OMES are homes in New England. Kitchenette and hotel rooms are fewer in proportion to the population than in any other section of the country, it is said. Station WTIC, at Hartford, has recognized this fact and arranged its order of entertainment accordingly. Walter Dawley, organist at the Capitol theater, is a regular Monday night dowrite with his Melodies for the Folks at Home. He fills many requests, especially for old time songs that have been almost forgotten.



BESIDES your receiver there are other home comforts and Home Comforts is the subject of many a wise discourse by Miss Anita Pam over WPAP. Housewives deluge Miss Pam with notes of appreciation. Men also write sometimes.



JUST about now Norman Brokenshire and his bride of a month are setting foot on European shores for their round-the-world honeymoon trip. They were married at Washington, D. C., December 10 and sailed on the Trannsylvania January 25, 11 p. m. What a lot of aching sighs have been spent by his great host of feminine admirers! The bride was formerly Mrs. Eunice McCabe, whom Brokenshire met when they were both at WJZ, New York. She was then secretary to the publicity manager. The above picture was taken at the WPG studio, just before the wedding.



"IT'S very easy to fly-if you know how. Now I'm going to tell how. As I sit here in my ship I have before me---" Radio listeners who tuned in KFRC, San Francisco, have been able to get an air knowledge of the art of flying in a series of lessons broadcast by Lieut. Blaine Stubblefield of the U. S. mail service. But all were warned to make their first flights in company with an experienced pilot.

# PICTURING BROADCAST ACTIVITIES



UCKY little Cincinnatians not only hear the elaborate programs prepared for them at the Powel Crosley, Jr., station, WLW, but often are invited to attend brilliantly costumed affairs in their honor. Above is shown one of the groups from a living doll performance. They are the Fairy, Red Riding Hood, Spanish Doll, Dolly Dimple and Uncle Sammy Doll. Sixty dolls were in the ballet, which was directed by Paul Bachelor, opera ballet master.



ROUND about 8 of any Monday evening you'll hear things begin to snap and pop at WSM, Nashville. It's the regular weekly frolic. Sprightliest of the flock to be heard gamboling over the lea is Miss Christian Lamb, popular songstress.



NOT much trouble with static right now where Fred Carleton is announcing. His voice carries far from the CFAC and CNRC stations located at Calgary, Alberta.



"IT" fairly glows out of the eyes of this pretty miss, chosen queen of the Oklahoma A. and M. college. She is Cynthalice Diggs, heard frequently over KVOO.



WITH the proud distinction of being the first broadcasting station in Chicago KYW has jealously maintained its leadership, both as to character of entertainment and quality of transmission. When Joska De Babary, the distinguished violin virtuoso, is on the air in the KYW studio it seems to the listener he has stepped from the receiver in person to play his violin as a special courtesy. De Babary is well known on the concert stage of America.



CHIEF TECUMSEH, Cherokee from the Yakima Indian reservation, whose native born war whoop was detoured through the Chicago Musical college. He is singing his way on a Radio tour to Cuba.



THERE are no women in the Roxy Theater Symphony orchestra—but there is a woman, and perhaps Florence Wightman, with her golden harp, makes up for any other questionable feminine deficiencies. Miss Wightman lends her own personality to her instrument as she plays and whether the harp is in the ensemble or in solo it seems to vibrate a living rhythm. the breathing solrit of the rendition.



"HUH, HUH! Norm's gone and got married. Sure. Yes, girls, no use to write any more mash notes now. The missus will answer them for him. Want to see the bride? Look right across from this corner on the opposite page, Lucky boy!" You can imagine these WPG Playground Revelers saying something like that in the microphone. They make up rather a new feature; from the left—"Chick" Lambden, tenor; Marie Higby, soprano, and planist; Ted Shrivers, barltone.

# MANY ASK FOR LOW WAVES AT HEARING

# COMMISSIONERSSURPRISED AT VARIOUS NEEDS

Railroads and Motion Picture Concerns Present Claims for Allocations on High Frequencies

WE are just coming into the short wave era of Radio. Practically all of the leading authorities are now bending their concentrated attention on devising methods for the greatest possible utilization of the infinite expansion believed to be ultimately possible for this phase of Radio transmission and reception—the strip now in the hands of amateurs and experimenters below 200 meters.

A few days ago the Radio commission began public hearings concerning the disbursement of short waves to interests which it had listed, as follows:

Newspaper services.

Communication companies, domestic and

Newspaper services.
Communication companies, domestic and trans-oceanic.
Airplane operating companies.
Navigation companies.
Railroads.
Department store chains.

Electric railways

Electric railways.
Interurban bus systems.
Electric power transmission systems.
Mining and oil companies.
Lumber companies.
Farm cooperative organizations.
Motion picture producers.
Police and fire alarm systems.
Forest and watershed patrols.
Ranch owners.

Force and the alarm systems.
Forest and watershed patrols,
Ranch owners.
Operators of facsimile transmission.
Television inventors.
Radio broadcasters.
Packers and shippers.
Geologists.
It may be of interest to study over the above list and consider the significance of the various wants. Representatives of the army, navy and other branches of the government were present to submit their claims and defend rights to the channels already under their control.
Representatives of each class of service applied for were particularly invited to discuss:

discuss:

discuss:

(1) The dependence of such service upon short-wave Radio rather than wire or other means.

(2) The humane, social and economic importance of their proposals.

(3) The number and position of channels believed available for such service.

(4) Power required and interference likely to be caused to other services and other countries.

(5) The probable total number of an-

other countries.

(5) The probable total number of applications which will be made for such service within the next five years by all applicants in their class.

A national conference to consider readjustments made necessary by the rulings of the recent international conference will probably be held some time this year.

# **EVERYBODY SMILES AT PIGGLY WIGGLY STATION**



# Four Legionaires "Sing It Out" for Championship at Paris Convention

Brought Together in France During World War, Chicago Quartet Keeps Alive Old Camaraderie—Admiral Bill Signs Them to Help Man Radio Showboat on Jolly Cruises

to Help Man Radio Sho

WHEN President Wilson stood up, and said it was time for all good Americans to buckle on their belts and go to France to make the world safe for Democrats, he brought together the famous Four Legionaires. Saul B. Kramer, bass; A. C. Osborne, baritone; H. H. Blocker, second tenor and A. E. Price, first tenor, started out from their respective homes in Chicago to see the sergeant. Uncle San measured them for new suits, gave them guns and they sailed for France.

They found plenty to do when they got over there, but there were times now and then when the four of them managed to get their chins together and bawl out a few majors and an occasional minor. (Musical, not military terms.) Their popularity spread.

In fact all the A. E. F. seemed to be needing their services as they were called from one canteen to another to do their stuff. The sergeant said they were so good there was some talk of taking them to No-Man's-Land to sing a hole through the line of the music loving Germans. There was a chance they might lasso the Kaiser himself with a few well chosen chords.

Germans Give Up

But while this project was under consideration the Germans decided it was no use. They surrendered. Whatever the peace terms may have signified to the rest of the world, and the Democrats, mattered little to Kramer, Osborne, Blocker and Price. They were signed up for life as the singing corps of the A. E. F. They went around to the various state and ward gatherings where men met and talked of the times Over There.

It was about three years ago that Edgar Bill of WLS discovered them as The Four Legionaires. He marshaled them inn the WLS barracks in the Hotel Sherman and volley of hits. THEN President Wilson stood up, and

About that time the WLS Showboat was launched. Admiral Bill drafted the four soldiers into his merry crew. They have been sailing the ship over its jolly course on every trip since. Their success was so marked that other Legion quarrets sprang into public notice. It was discovered that the expeditionary forces unwittingly had been unwally blessed with a great deal of been unusually blessed with a great deal of first class talent.

# Sing to the Pinish

Sing to the Finish

Various Legion posts scattered about
the country began to claim their fours
were the real plus fours—uon plus ultra—
until it began to assume the proportions
of a national debate. The only way a decision could be rendered was to call all the
legions together in one place and let the
several quartets sing it out to the finish.
The Committee looked over Chicago, New
York and San Francisco but decided that
inasmuch as local interests would be apt
to influence the decision of the judges in
the interests of the local fours it would be
better to go abroad.

After a great deal of discussion it was

the interests of the local fours it would be better to go abroad.

After a great deal of discussion it was decided to go to Paris for the singing. So last summer they held a convention of the American Legion in Paris where all of the leading quartets marched up to the front line of the auditorium and sang as ne'er sang Legionaires before.

It was wonderful. Never had there been such ringing hallalaujahs in France. But nobody anywhere was able to sing down the only and original Four Legionaires from Chicago. the WLS Showboat deck hands. Papa Joffre kissed each one of the four twice on each cheek and pinned on each breast a Medaile de Hallalaujahaire.

But, no foolin', The Four Legionaires were declared the national champions of all American Legion quartets. Now they are back at WLS and greater favorites among the listeners than ever.

—H. P. B.

# "BARKING TOM" DRIVES DOGS DAFFY

Just to look at the Bluebird Hawaiian Trio, at the right, is sufficient to incite a spirit of happiness. But you simply long for Long Beach when you hear them in those alluring Hawaiian melodies, which they understand so well how to present to

AT the right is barking Tom Corwin, whose imitation dogfight over WLS drove eight listening house dogs to hydrophobia two weeks ago. One dog came down to the Hotel Sherman but got lost hunting for the secret elevator to the studio. He ran across the street frothing at the mouth and dashed into the county building where he bit two women standing at a counter saying nothing and entirely innocent of Corwin's exhibition. A policeman, not knowing what it was all about, slew the dog. Tom imitates other animals and extra precautions are being taken at the bull pens in the stock-yards. Belo w are The Four Legionaires of WLS.

# STARS BEAM AT KFWB STATION IN HOLLYWOOD



FEW stations on the Pacific Coast, or anywhere else in the United States have progressed with such enterprise and gained such prestige as KFWB of Warner Brothers at Hollywood. There seems to be a spirit of aggressiveness about the institution—that you are going to miss something if you miss tuning them in at least once during the twenty-four hour period. Elsewhere in this Radio Digest you will read of the remarkable work done by KFWB in hunting down the murderer of little Marion Parker. progressed with such enterprise and gained such prestige as KFWB of Warner Brothers at Hollywood. There seems to be a spirit of aggressiveness about the institution—that you are going to miss something if you miss tuning them in at least once during the twenty-four hour period. Elsewhere in this Radio Digest you will read of the remarkable work done by KFWB in hunting down the murderer of little Marion Parker.

Here is just a flash of the unusual staff artists to be heard over KFWB. At the

# Charles Gabriel Considers Pacific Coast Stations Superior in Quality

Compares Programs There With Broadcasts He Has Known in Chicago and New York-Los Angeles Is Jazzy but San Francisco Dallies in Classics

# By Charles Gabriel, Jr.

Assistant Program Director, Pacific Division, National Broadcasting Company

HEN I made my sixteenth hegira to WHEN I made my sixteenth negira to the west, intent on recreation. I unwittingly had purchased a surprise coupon in addition to the usual yardage of railroad ticket. This was not divulged nntil I became program director of KLX at Oakland, Calif.

To be explicit, I had left WGN, Chicago, nearly three years are when entertainers.

To be explicit, I had telt way, Chicago, nearly three years ago when entertainers were either free of charge to the stations or were paid as staff members who "doubled in brass," the hirelings of carpet

bled in brass," the hirelings of carpet companies, m us ic publishers or what have you. We had just begun to think about setting aside less than \$200 a week for the then rather startling purpose of paying "talent" for its efforts!

When I arrived at the edge of the Pacific Ocean, I found that "free" musicians all came from the ranks of amateurs, and very rank at that. Any musician worthy the title not only received from \$5 to \$25 for a contribution to an hour's program but, as a usual thing, had affixed an illegible \$1g nature to a printed paragraph or two which meant an exclusive contract with the leading stations.

Frankly, Radio entertainment on the

meant an exclusive contract with the leading stations.
Frankly, Radio entertainment on the Pacific Coast at that early dawn was in some aspects much better in quality, if not in quantity, than it was in the Middle West. It didn't quite compare with the wave agitation along the Atlantic Seaboard but this partial belittling should be ascribed solely to the fact that good entertainers were not and are not now as plentiful out here as back there. It is a matter of percentages. With as many people in

and about New York City as in all Cal-ifornia it is not astounding that the num-ber of "strolling players" per thousand of peaceful householders is less by the

ber of "strolling players" per thousand of peaceful householders is less by the Golden Gate than within hailing distance of Bedloe Island.

However, I soon found that even professional talent varied by district. In the City of the Lost Angeles, home of the dislinisioned winners of beauty pageants, haven of the jazz bables and bourne of theatrical talent bent on picking "easy money" from the celluloid, good entertainers are a drug on the market. In the wideriff neighborhood—centering in the San Francisco bay section—entertainers are to be sought with a microscope while venders of the "classical" compositions are legion. No one, or no organization sidles up to the microphone without clutching an agreement to accept emolument, save it be Elks Club minstrels, Shrine chanters, Native Sons brass bands, police orchestras,

Sons' brass bands. Sons' brass bands, police orchestras, music school graduates, Chamber of Commerce rallyites, church choirs and the like. I cringe when discussing pay checks but I may say that ontstanding talent now commands a fair living wage from Radio dates

alone. But, note the word "outthe word "outstanding."

Up North—that is Oregon and Washington—conditions are again different. Good and professional entertainers are so few in number that most of the leading broadcasters get out iron-studded contracts and

orthestras as well as soloists.

All of this means that the Radio audience of the west gets the best obtainable when the loud speaker—pardon! the reproducer—is turned on at any hour of the ducer—is turned on at any hour of the evening. Whether this presentation, viewed

(Continued on page 23)

# Checkers Revived by CJRM Broadcasting

Bridge a la Radio may be very fascinating for some people but you will have to hand the fur lined hand embroidered microphone to D. R. P. Coats, director of Radio Station CJRM, Moose Jaw, Saskatchewan, for thinking of Radio checkers. He has brought checkers back to where it used to be fifty years ago, according to folks who write from both sides of the Maple Leaf border. Radio checkers is much easier to understand over the air, and it doesn't make a whiff of difference whether you sit facing east, west, north or south. The main thing is to watch your checkers and move them where the crack players in the CJRM studio tell you to move them. You learn a lot of fine and fancy checkering. ering.

It got so good that sporting stores It got so good that sporting stores along the border towns made up special checker boards, hung them in the windows with the black squares numbered and fixed with little hooks on which to hang the checkers as the directions came over the air through the loud speaker. The operator would move for Tom, make it look as though Jack was hopelessly mired and then Jack would almost sweep his opponent's men clean off the board.

# STORK LEAVES NEW BABE AT CROSLEY'S

ICYBALL TWINS WILL KEEP ICE CHESTS COLD

New Refrigeration Unit Manufactured in Cincinnati Plant Operates at Two Cents a Day

ONCE more the stork has visited the Crosley Radio family.

The new little stranger might almost be mistaken for a changellug except for a few of the well known Crosley characteristics. It has been christened leyball and leyball it is. No, it is not a new receiver but the relation between Radio coils and tubes to refrigeration coils and bulbs is not hard to trace in a great institution like the Crosley plant in Cincinnati.

institution like the Crosley plant In Cincinnati.

And young Mr. Icyball bids fair to become an individual of some consequence before the hot days arrive when many folks will be more interested in iced divertissements than in Radio programs. Icyball is described as a new portable refrigeration unit, procurable at small initial cost and maintained at a refrigeration cost of two cents a day. Its availability and economy indicate that there will be a lot of good ice houses on the small lakes converted to summer cottages this senson.

Speaking of babies, Icyball is really

this senson.

Speaking of babies, Icyball is really twins. The Crosley announcement reads:

"Icyball unit consists of two spheres, approximately ten inches in diameter, connected by a U-shaped tube. Once a day you heat one sphere on your stove; then placed in the icebox with the heated end projections." poin heat one sphere on your save; then placed in the icebox with the heated end projecting, the refrigerator is kept cool all day. A volatile liquefied gas is compressed within the spheres. When the outside sphere is heated the liquid is gasified and forced into the refrigerator sphere which has been placed in cold water; here it condenses into liquid again. It is this hall which chills the icebox. When sufficient heat has been generated, a small whistle gives a signal that the operation is complete.

"Tcyball will freeze ice cubes within three or four hours and as the temperature of the cabinet remains at a low degree, food generally classed as perishable, may be kept pure and usable at all times." While Icyball is primarily designed for

be kept pure and usable at all times.

"While Teyball is primarily designed for the pleasure of the housewife in the city as well as the country, it will serve a similar purpose anywhere that ice is needed. The unit is not heavy and may be moved from one place to another very easily.

"Icyball unit includes an ice tray and a galvanized cooling tub. The cabinet is finished in white enamel and carefully insulated. It has two wire shelves for food and a capacity of more than four cubic feet of food space."

# "DEACON" AND JOHN WRR STAND-BYS



T'S been a long time since Radio Digest has printed a picture of the celebrated dignitary of WRR, Dallas, known to Radio listeners as "The Deacon." Try to pick him out from the two faces pictured above. Yes, that's right. You couldn't miss him. His real name is George Perfect (make your own pun, he's used to it).

Naturally, the other is John Thorwald, director-announcer. John wrote us he was starting December 1 by airplane to broadcast from the leading cities throughout the country and would call on Radio Digest in Chicago. Which is John? Oh, he's the one with the letter we sent urging him to call. Guess he hasn't read it.

# SPREADING JOY IS **BOB EMERY'S WORK**

MEN, BOYS AND LITTLE FOLK HELP BROTHER

WEEI Feature Unites Great Boston Community Into Kindly Service for Mutual Betterment

"The world will be brighter, Your cares all seem lighter By spreading joy all the while."

ND that is Big Brother Bob Emery's

A ND that is Big Brother Bob Emery's philosophy of broadcasting at WEEI. Boston. Those who dwell within Big Brother Bob's realm of broadcasting say that he has made a success of that principle. He is spreading joy all the while, and very happy to be alive.

Being a BIG brother he obviously must have little brothers. He has thousands of them. They help him make life what he tries to make it by assisting in the programs at the WEEI studio. For example he has a boy's band in spirit but a man's band in ability. The boys know their fiddle strings and sound valves.

But they do not take their work too seriously. They have heaps of fun out of it. They do all the clowning you will see in any of the traveling jazz jazz orchestras. They imitate famous personages and make the audience guess the names of the victims of the take-off. In fact these boys of Brother Bob's were so good they signed up with B. F. Keith for a short term during the summer vacation last year.

Spelling Bees Popular

Another one of Brother Bob's big successes has been the spelling bees. He has developed these old fashioned matches into an organization that extends far beyond the confines of Boston. It operates much the same as a fall schedule of football games between the various high schools. Districts and groups carry on the preliminaries in their own localities. Each room produces its champion. Eliminations continue until various section champions are declared. Then come the twenty-five winners of all the wide spread districts. These vie for championship before the microphone in the WEEI studio.

"And you would be surprised at the simple words that sometimes put down a boy or girl who is capable of spelling most of the long and complicated words in the dictionary," said Bob.

It is considered a great honor to win one Brother Bob's championships.

tionary," said Bob.

It is considered a great honor to win one of Brother Bob's championships.

Every normal boy has a desire to tinker and experiment with mystery devices. To satisfy this craving in the youthful system Brother Bob has acquired the aid of J. R. Lunt who seems to possess a bottomless bag of tricks to be performed according to instruction given over the air.

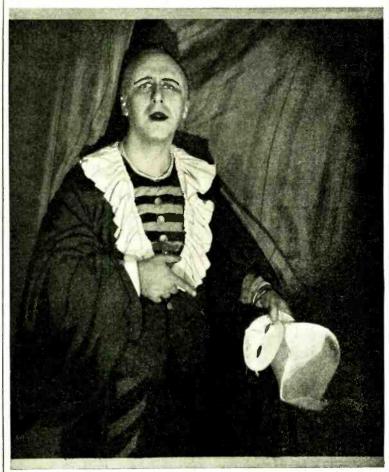
less bag of tricks to be performed according to instruction given over the air.

He gives the boys the low-down on how to put an egg into a bottle, how a microphone performs, stunts with iron flings and a magnet, producing smoke from an empty glass, changing the color of a flower and other phenomena of a scientific nature. Some of Big Brother Bob's brothers are as big and older than he is. They may be found in the navy and marine hospital for whom a special program is broadcast every Wednesday night. The boys know that (Continued on page 23)



THIS is the famous Big Brother Bob Emery of WEEI whose activities of brothering thousands of boys and girls, disabled veterans and lighthouse keepers keeps him busy. He is called to cities in all parts of the country to advise on how to solve the problems of growing youngsters. His band of Joy Spreaders is the embodiment of the reason for his success.

# RUSSIAN BARITONE JOINS NBC OPERA



# Columbia Honors Foster's Memory

Famous Artists Review Old Southern Songs in Special Program Over New York Chain

WHO wrote Old Black Joe?

Did you ever wonder who originated My Old Kentucky Home?

And what about Massa's in de Cold, Cold Ground?

Listeners over the Columbia chain were entertainingly informed on these and other kindred songs on January 11 when a special memorial program was held for Stephen Collins Foster, the great American composer of Southern melodies. He died January 13, 1864.

Some of the other songs from the pen of Stephen Foster were: O, Susanna! The Camptown Races, Stay, Jeanie with the Light Brown Hair, De Glendy Burke, Dolly Day, Open Thy Lattice, Love and Old Folks at Home.

Many of the old composer's songs were new to Radio. One of the sensations was the Tloga Waltz which Foster wrote at the age of 13, and which was performed by him and three fellow students for the first time at the Athens academy. Athens, Pa. Foster received the largest simultaneous recognition ever accorded him through this special program devoted to his honor, and enjoyed by millions of listeners throughout the country.

# Dies at Bedtime Hour

Dies at Bedtime Hour

Mother's sweetest dreams are of the days agone when grown-up sons and daughters were toddling at her heels. A song, a bit of verse as she sits in reverie brings back tender memories. The heart overflows. It is not hard to imagine the little home scene pictured in this extract of a letter received at WCFL. Chicago, by Little Joe Warner, the children's singer:

"On the twentieth of last October my mother came to visit me. In the evening we were sitting around the Radio listening to your station. The Red Peppers sang our favorite. When Baby's Feet Go Pitter Patter.' Then mother said. If Little Joe Warner would sing his Up in the Air song I would be entirely happy.' Almost immediately he did sing it, as though he had heard her request. When he had finished we started to laugh at the strange coincidence. Somebody spoke to mother but she was silent. She had passed to her eternal sleep." sleep

Hushed for her were the sounds of baby feet, and softly she passed on the wings of a song to a land where love is forever young.

IVAN IVANTZOFF, distinguished Russian baritone, who recently became associated with the National Grand Opera ensemble, in the costume of Tonio in "Pagliccci," one of the operatic roles. He has been acclaimed, both in Europe and America, for his splendid vocal and dramatic abilities. This season Mr. Ivantzoff is being heard over the air and in personal appearances under the auspices of the National Broadcasting Company.

# CHNS Helps Halifax Poor

Radio Station CHNS, Halifax, is one of the most wide-awake and aggressive broadcasters in the north east section of the continent. It is owned by the Northern Electric company and recently completed a Goodfellow campaign wherein a great deal of merchandise was accumulated and auctioned for the benefit of those suffering for lack of food and shelter. for lack of food and shelter.

# To Stall on Air Takes Gift o' Gab

Eugene Konecky Holds WOW Audience an Hour Killing Time Between Delayed Fight Bulletins

ITH time on the air rating as high as \$1.000 a minute one can hardly conceive of a situation where one simply gabs and stalls to keep the microphone open. Yet this sometimes happens, even with the best of stations.

Take the case of a recent opera broad cast where an enormous sun was paid to

Take the case of a recent opera broad-cast where an enormous sum was paid to put on an act of the Chicago Civic opera. There was delay in getting the stage set. Golden minutes were ticking away, but a smooth tongued young announcer kept the great NBC audience interested by his chat-ter concerning details of this particular opera. In fact he sold the listeners so strong with his personal observations, and chat with Miss Mary Garden, the prima donna, that the arrival of the conductor in the orchestra pit, and the swell of voices the orchestra pit, and the swell of voices from the ensemble

from the ensemble brought on a veritable climax.

In the midst of it the hour struck ten. One great Chicago newspaper station irritated its audience unspeak-ably by cutting the broadcast off short broadcast off short and putting on its own propaganda. The other stations, however, continued and the work of the stalling an-nouncer made the entire program even better than it would otherwise would otherwise have been



Eugene Konecky

Grand Champion Staller

But the Grand Champion Staller is a
title that has been claimed for Eugene
Konecky who stalled successfully for one
hour and seventeen minutes during the Ace
Hudkins-Joe Dundee fight on the Pacific

coast.

The fight was scheduled for 10:00 p. m., Pacific time, or midnight central standard time. The World-Herald, an Omaha newspaper, which has its own studio connected to Radio Station WOW, had promised Nebraska Radio fans a blow-by-blow description of the fight, and interest in the broadcast was intense, as Hudkins is a very popular Cornhusker product. Eugene Konecky, one of WOW's announcers, was selected by the World-Herald management to broadcast the fight. Promptly at midnight, Konecky took the mike and proceeded to recite the usual introductory material, statistics of the bout, each fighter's past record and present rating. Still no bulletins were available. Konecky gives his own version of subsequent developments as follows:

"At the end of fifteen minutes I had run out of my prepared 'dope' and in all that time, we had had only a few bulletins of general statistical character. I knew something was wrong—something unusual. Finally, a tell-tale 'bulletin' trickled through. It gave the results of the first (Continued on page 20) The fight was scheduled for 10:00 p. m

# AIDAN REDMOND KEEPS STAFF BUSY WITH VARIETY PROGRAMS ON WBZ-A



# KFWB Spreads Net That Captures Fox

# Two Oregon Deputies Recognize Fugitive Killer by Description Broadcast from Hollywood by King and Ray

T was Radio Station KFWB whom the mayor and the chief of detectives of Los Angeles thanked for the capture of the bloody Fox, Edward Hickman. Written tributes to that fact will be for-

ever treasured among the mementoes of the Warner Brothers studio in Hollywood.

the Warner Brothers studio in Hollywood. The episode stands now as the most annazing story of Radio service in appeal and response on record.

Through the brilliant team work of Station Manager Gerald King and Amouncer Bill Ray in less than a day a reward fund of \$50,000 was pledged by listeners, a posse of automobiles and horse riders numbering thousands was organized, and the direct information furnished that resulted in the capture of the fugitive.

Tom Gurdane and Buck bievalion told that part of the story themselves as they later came to see the men who had broadcast bulletins and made appeals throughout that terrible Saturday night and Sunday.

### Air Description Traps Fox

The two Oregon constables had little expectation that the wily Fox would cross expectation that the wily Fox would cross their trail as they rambled out along the highway from Pendleton. But they carried a scrap of paper on which they had scribbled the words of Bill Ray who had warned all citizens, and especially peace officers, to be on the alert. They had heard Bill tell just how the man looked, the kind of a car he had and the numbers that were on the new \$20 bills extorted from the distracted father of the murdered child.

So Tom and Buck were looking sharp at everybody and checking up on the scrap of paper when the car that came their way seemed to tally.

seemed to tally

emed to tally.
"Looks like the car," said Tom as Hick-an's car drew near.
"And it looks like the man," answered ack with one last quick glance at the

"And it looks like the man," answered Buck with one last quick glance at the notations.

As for the Fox those infinite invisible ether waves turned out to be the fine wires of a steel net that probably will end in a hempen loop about the neck.

He was trapped, just as the Gorilla strangler had been trapped by the same means through CKY in Manitoba a few months ago, and who paid the death penalty January 13th, as told in the last Radio Digest. penalty Janu Radio Digest.

# Cline Pays Tribute

"You can say for me," said Chief Cline after the Fox had been securely caged at Los Angeles, "that this has turned out to he the most remarkable achievement of instantaneous organization and coordination between the citizens of a city and the officers of the law that I, in all my thirty years of service as a police official, have ever seen."

cver seen."

Chief Cline said all that could be said by anybody. It was the most remarkable mobilization of an untrained army ever known. Radio broadcasting had been put to an unusual test and made good. It made good not only for the police but for the listeners who had been aroused as never before by any broadcast. They concentrated on the little point on Sunset bouleward from seven states as bees swarm to the branch of a tree. It was a terrific strain, but the morale stood true and triumphant.

All broadcasting stations in the area were of course entitled to a share of Chief Cline's praise. They all helped. The big thing about KFWB was that it dropped everything at once and gave undivided attention to the chase. During those hours of unaccustomed broadcasting the outraged citizens knew that they could tune in KFWB at any moment and hear the latest information about the developments of the chase.

Readers will recall the dreadful tragedy on that December day when little Marion Parker was decoyed away from her schoolmates because she thought her father was hurt and was calling for her, how she found herself in the hands of a merciless fiend, and how her mutilated body was dumped by the roadside after her father had pald a ransom of \$1,500 to the masked kidnaper. Chief Cline said all that could be said by

Police Ask Radio Aid Hardly had the special Police Ask Radio Aid
Hardly had the speeding Fox disappeared from sight before Chief Cline heard the news. He immediately electrified the whole department. Telephone bells jaugled from one end of the town to the other. Off-duty men hustled into their clothes bolling to lay hands on the red-handed slayer. Airplanes zoomed over highways and motor squads criss-crossed every street but the Fox seemed to have been swallowed up. The chief became desperate. He called all the broadcasting stations.

By Harold P. Brown



Three Tired Boys—They spent 18 hours at KFWB microphone chasing Hickman and raising reward fund in greatest Radio man hunt in history. Left to right: Gerald King, manager;
Frank Murphy, chief engineer and Bill Ray, announcer.

THAT there is no escaping Detective Radio was again demonstrated within the past five days with the capture of Michigan's child butcher. Adolph Hotelling. A farmer residing near the scene of the crime described a blue sedan and its driver he had helped from a mudhole shortly after the murder. The description was broadcast by the police. Hotelling was recognized by a fellow worker from this description. Subsequent remarks caused him to be reported to the police and sent to prison for life.

sponsors are the ones who put up the gold to give the listener free entertainment. The sponsor does not do it because he so leves the listener but because it is business. It is a very profitable form of advertising. He generally pays well for the privilege of sponsoring a program, and he signs articles of agreement, commonly known as contracts.

signs articles of agreement, commonly known as contracts.

Just forty-five minutes after the mutilated body of little Marion Parker had been gathered into the arms of her broken hearted father Gerald King, manager of KFWB, was in the midst of a sponsored program. He was keenly watching that the sponsored program was being broadcast according to contract—and then he answered a telephone call from Chief Cline. As he listened his face paled and his hand clinched. He sat down and made notes. It was like old reporter days on the daily. He shot sharp inquiring questions into the phone and jotted down the answers.

"Count on us, Chief," he concluded. "KFWB is yours until you say when. And every man here is at your service. We drop everything else to chase this fiend."

# Sponsored Program Chucked

The sponsored Program Chucked
The sponsored program for KFWB went
bloney. In five minutes the station was in
a drastic process of reorganization. Bill
Ray, announcer and assistant manager. Sat
down to the microphone not to leave it
again for a full thirteen hours. The greatest man hunt California has ever known
was on was on.

was on.

King has long bushy hair. Ordinarily it is carefully combed and is the ency of all the Hollywood baldheads. But in a few minutes from this telephone conversation that hair was standing on end like the mane of an infuriated lion. Bulletins began coming from the police station, were put into broadcast language by King and relayed to the listeners by Ray. The other stations were continuing with their sponsored programs. Soon the telephone calls elogged the wires and it was necessary to hold one line constantly in touch with Chief Cline's office.

"Tell us what this guy looks like?" "Whiat kind of a car did he have?" "Which way did you say he was going?" Thousands of questions came to the studio.

At 10 o clock the whole area was up in arms. The police bulletins continued to flow from KFWB. At 11 o'clock the first of the other stations went on the air. Soon all the loos Angeles broadcasting stations were baying and trailing after the Fox like a pack of excited bloodhounds. King has long bushy hair. Ordinarily

Persons who follow a profession depend upon it for their bread and butter. All this time the Fox was getting farther and farther away.

"Get out every man Jack who knows how to chase a crook," said King to Bill Ray.

"Well, these fellows can't give up their time for nothing," Ray rejoined.

"Then let's get the money to make it worth while."

worth while." "Great idea." answered Ray.
So King drafted the first appeal for a mammoth reward fund. Bill snatched the paper and commenced to put it on the air with amplifications of his own conception. Before the last words of the first announce-

Before the list words of the first announcement were uttered a dry crackling voice rasped over the phone.
"Now you're talkin', put me down for the first \$25 and I wish to God I could make it more. I'm sending a hoy over with the money right now."
"Got the first \$25...." Bill shouted to the Radio and lines.

"Got the first \$25..." Bill shouted to the Radio audience.
"Say you," another voice answered back over the phone. "Make it \$500 for me. And I'm going to see some friends who'll raise that ante. My check's coming right over." And sure enough, along came a check signed by Jack Gibbert, the moving picture star, for \$500. Then came a flow of more money.

# Calls Out 40,000 Autos

Calls Out 40,000 Autos

The names came so fast that Bill didn't get a minute's rest. A string of names, a bulletin, names, more news and names—on through the night until daylight began to streak the eastern sky.

"Chief Cline wants everybody to get out and patrol. This fellow seems to have slipped through," said bill about the time folks were getting ready for church. "We've got to hunt through the country and those who have automobiles can be of great service by covering the roads that lead out to Beverly Hills."

That second call to arms brought out

lead out to Beverly Hills."

That second call to arms brought out forty thousand automobiles bristling with shotguns, rifles and revolvers. They patrolled every road over a tifty mile front.

"Take every horse we have—there are forty of them if you can get men to ride them," came the offer from a riding academy. Bill read that message to the listeners. It brought a whoop from Harry Carey's ranch and a hundred cowboys came by motor coach from the studios to fight for the forty horses to patrol through areas not accessible to automobiles.

"I'm going to read the numbers on those

"I'm going to read the numbers on those \$20 bills again," said Bill, "The police want every store keeper to paste that list up beside the cash register. If any of you folks think your corner merchant might

change a \$20 bill. This occurred not only throughout California, but down into Mexico and north over the Canadian border toward which the Fox was making his way. As far east as Denver merchants were watching for new \$20 bills.

All this time contributions were pouring in to raise the reward fund. The big switchboard of the Warner Brothers studies was thrown onen to full canacity and

ing in to raise the reward fund. The bis switchboard of the Warner Brothers studios was thrown open to full capacity and manned by volunteer operators. In lifteen minutes after it had been opened it was overfilled. Then a newspaper opened its board to take the calls, then a great department store with sixty trunk lines, and the Western Electric company. As fast as new posts for handling calls were announced they were promptly swamped with morecalls than they could handle.

Bill did not give up his seat at the microphone until Sunday noon. By that time the commercial superintendent of the telephone company called at the studio to inform the management that if they handled nothing but long distance calls the board would be unable to take care of them; that the big Hollywood exchange had booked the station solid for ten hours. There had never been such a test of Los Angeles telephone equipment. The effect was felt even in San Diego and San Francisco where it seemed all the people in California were trying to reach one small spot in Hollywood. spot in Hollywood.

### Contributors Block Streets

Contributors Block Streets
People formed in line outside of the studio in order to bring their contributions to the reward fund. The street became so choked with citizens auxious to help that the bus lines passing the corner on Sunset boulevard had to be detoured and volunteer traffic officers attempted to straighten out the fam. the jam.

traffic officers attempted to straighten out the jam.

An author, his name known the world over, marveled at Bill's eloquence. Said he had never heard anything like it—wanted to see the man himself. He left a check for \$250. Many simply emptied their pockets on the table for the six tellers who had come from one of the leading Los Angeles hanks to handle themoney. People without cash offered property. One offered a house and lot to be sold at auction. A woman offered a prize bull-dog to be auctioned. The 110 piece Los Angeles Philharmonic orchestra offered its services to the station. An offer came from the musicians' union submitting the services of every member of its organization.

Mothers, fathers and children struggled for a position within the KFWB studio to see Bill Ray at the microphone. Many were shaken with emotion—some with grief, others with anger that seethed for revenge against the monster who had committed the horrible crime.

A red eyed man put down a one dollar bill and said he was the milkman who delivered milk to the Parker home. The dollar was all he had with him, but he wanted to give that if it would help capture the Fox. Listeners heard his sobs over the microphone.

Eddie Baker of the Christie Comedies looked in at the all but swamped Warner staff and volunteered such services as might be desired. The Christie folks handled the crowds within the studio and tried to make it possible for everyone to get to the front with contributions and also to get a glimpse of the announcer who had stirred the whole Pacific coast over the tragedy. An author, his name known the world

tragedy.

# Sign Off at Five

It was five o'clock Sunday evening when reports came back from all sections of the seven surrounding states that the law forces and citizens were alert and on the lookout for the fugitive that King decided to call it a "day." The reports of the bank tellers indicated that KFWB listeners had pledged or already contributed to the sum of \$50,000 as a reward for the capture of the Fox. Had operations continued until midnight the bank tellers estimated that at least \$100,000 would have been contributed through this one source. But already everything had been done that could be done. Others had taken up the cause and KFWB signed off for the night.

Out through the hills and mountains, up and down the coast, the net had been spread. Again and again the numbers of the \$20 bills had been read over the microphone. The fugitive could scarcely hope to turn in any direction without being recognized. Cities, towns and farmhouses in every direction were on edge, observing every stranger— and especially ones who had new \$20 bills to spend. The result was inevitable.

and motor squads criss-crossed every street but the Fox seemed to have been swallowed up. The chief became desperate. He called all the broadcasting stations.

Now a broadcasting station performs with a certain amount of routine. It operates settled according to schedule. And the holiest thing about a broadcasting station is the sponsored program. Program

The Rward Fund

Then King decided it was time to inaugurate some more effective effort on the part of the public. Everybody was anxious to help, but how could they put their complete into action? This was a job for experts—sleuths who knew how to detect and track criminals—not for amateurs. Sleuthing is a profession.

"I'm going to read the numbers on those want every store keeper to paste that list up beside the cash register. If any of you folks think your corner merchant might miss this you had better take the numbers of those want every store keeper to paste that list up beside the cash register. If any of you had better take the numbers on those want every store keeper to paste that list up beside the cash register. If any of you had better take the numbers on those want every store keeper to paste that list up beside the cash register. If any of you had better take the numbers on those want every store keeper to paste that list up beside the cash register. If any of you had bester take the numbers on those want every store keeper to paste that list up beside the cash register. If any of you and the creating and putting on guard the great masses of the people it has proving its worth every day as the corn recent occasions. It is a proving its worth every day as up the cash register. If any of you and the cash register. If any of you are rechain manuely and putting on guard the great manuely and putting on guard the great manuely and putting on guard the great manuely and paste and the numbers on those want every store keeper to paste that list up beside the cash register. If any of you and the proving its worth every day as the proving its worth every da

# COWBOY'S BAND SURRENDERS TO WELCOME "CHARLOTTE AND MARY"



# Forget Your Trials and Worries by Tuning in Contented Studio at WLW

Miss Natalie Says Charlotte and Mary Have Given Trouble the Air-Broadcast Cheer to All Who Choose to Listen to Crosley Station at Cincinnati

By Natalie Giddings

AVE you been to see Charlotte and Mary yet?" asked the tall and bespectacled genius who supervises the Radio presentations at WLW of the Crosley Radio corporation. Cincinnati.
"I have not," I replied, "they seem to be attracting a lot of attention."

"You might cut the strings on those bundles the boy just left on your desk from the mail clerk," he rejoined. "I think you'll admit they are attracting some attention. I'd advise you to run over and take a look at their Contented Studio."

The bundles were letters and the letters were mostly about Charlotte and Mary. Who were they? Were they as sweet to look at a sthey sounded over the air? Where did they come from? What did the Contented Studio look like? There must have been a million questions like that.

Being somewhat of a privileged character, I arranged to make my call at noon in time for the 12:15 broadcast.

The air was rather misty and cold—not so inspiring for a study in contentment. But some of this feeling slipped away as I stood in front of the door of their studio.

regularly to the Mano automete. We write so anxious for you to come in time for the 12:15 Contentment club. And now you are really here!"

I glanced at my watch. It was almost at the dot. Both girls peeked at the ruly eye near their piano which I recognized as the director's signal. It would wink brightly in a minute.

"Sit down, please." Charlotte hovered for a moment, and Mary, she seemed very young and not yet quite grown, skipped over to the piano bench. The red eye blinked. Both girls were learning over the microphone, the soft glow of a floor lamp reflecting the burnished copper of Charlotte's hair.

All the blase dross of a hundrum world seemed to melt away from my shoulders as I sat there in a smother of silken pillows listening to their voices. The whole spirit of the room was full of charm. I thought of their voices flitting out like a happy pair of blue birds over the chimney tops, heyond the great Ohio river visible below, over the hills and valleys and tree tops into the little homes by the wayside, the big mansion on the hill and everywhere permeating into human hearts with a message of comfort and tranquility against the tide of strife and combat that must come with each day of living for all.

No wonder afflicted folks, the sick and the aged and those suffering bereavement and other forms of distress found these voices of contentment coming like a spray of rose scented water into a murky cheerless room. They were singing, "Look at the World and Smile." You couldn't help smiling. I couldn't, and somehow it seemed that there were so many more things to be pleased about than otherwise that why bother about the worries?

Charlotte and Mary, have a mission—that would be too serious for them. They just live it themselves and because some wise soul put a microphone in the room (they impart these uplifting moments to thousands of others. The very fact that they realize the good of it makes them feel inspired to go joyously on with increasing ardor.

Their little apartment studio is part of

ardor.
Their little apartment studio is part of (Continued on page 36)

# Women Organize Club to Study Government

The Government Club, Inc., is a patriotic organization, national in scope, formed to promote among women a better understanding of the principles of government, and to uphold in every respect the Constitution of the United States. Matters pertaining to the welfare of our country are studied and discussed at the regular meetings. The speakers are always persons of note, statesmen and laymen, each an authority on his subject. The meetings are broadcast at 2::0 p. m. over WGN the second Monday of the month.

This broadcasting of programs has brought to the Government Club many out-of-town members, some living as far away as Los Angeles and San Antonio. One member in Watseka, Ill., has opened her home on many occasions to interested friends who gather to hear the meetings. "The Star-Spangled Banner" is sung, the prayer for our country is read in accordance with the procedure of the Government Club, and at 2:30 they "tune in" on the speaker of the day. The Government Club acts as a clearing-house for accurate information on persons and propaganda that find a way to club programs. Every bit of information coming from this organization is absolutely accurate and has been checked and re-checked by persons of unquestioned integrity, according to sponsors, who will fight corruption.

# THREE MUSKETEERS AND LADY, WMAK



# Arrives at Century Milestone and Broadcasts Greetings to Neighbors

Mrs. Mary E. Bowen of Denver Declares She Is Ready to Start Another Hundred Years-Doctor Says She'll Get Ten More at Very Least

By Gertrude Bower

By Gertrude Bower

ADIO FRIENDS, I will be 100 years old Tuesday. I have lived so long because I take care of today and let God take care of tomorrow. I will be with you next year because my doctor says I am good for 10 years more. Goodbye, Radio Friends."

Clear, if a wee bit tremulons, this message came over KFNF. Denver, the night of October 11. The voice was that of Mrs. Marie A. Bowen of Denver on the eve of her 100th birthday.

"I enjoy the programs so much," said Mrs. Bowen as she sat erectly in her wheel chair which she manipulates easily through the home of her daughter, Mrs. Jennie V. Dixon. "Especially do I enjoy the sermons."

Dixon. "Especially do I enjoy the sermons."

Because of her inability to hear clearly in a church or hall, for 20 years Mrs. Bowen could not enjoy an address of any kind. Recently a league has been organized in Denver for the benefit of the shut-ins by Rev. S. H. Patterson, who has distributed some 125 Radios. Rev. Patterson and trandma Bowen are the best of friends.

"And I enjoy music too," Mrs. Bowen commented.
The first night, after the Radio had been installed, Grandma defily edged her chair close to the cabinet which her family hoped might bring the outside world in

justment—a roar—one more turn—then clear and distinct, through the loud speaker came in an old time tune. But could Grandma get it?

Her face lighted up. She was smiling. "Why." turning to her daughter, "that's the very same piece your daddy used to play, "Turkey in the Straw.'"

Ever since she has been a devotee of the Radio—and wonderful old lady that she is—was glad to greet her friends on her centennial anniversary from her wheel chair. From it she talked into her home telephone direct to KFXF, whose phone was connected to their set and in this way her message of cheer and hope was given to a world of listeners—not one of whom probably was her senior.

# No Lightning Insurance

Because of her inability to hear clearly a a church or hall, for 20 years Mrs. on the country a league has been organized a Denver for the benefit of the shutting a Rev. S. H. Patterson, who has distributed some 125 Radios. Rev. Patterson and transman Bowen are the best of friends.

Enjoys Radio Programs

"And I enjoy music too," Mrs. Bowen ommented.

The first night, after the Radio had been misualed, Grandma deftly edged her chair dose to the cabinet which her family oped might bring the outside world in o her.

First a shrill squeak—another dial adi-

# LEADERS OF SECOND DISTRICT TRY A LITTLE "POOSH" TO WIN PLAQUE

POOSH, I POOSH" might well be the title of this picture which proves that the life of a member of one of the nation's most popular Radlo orchestras is not all toot and fiddle. Here is an "out o' studio" gllmpse of Charles Dornberger and his Victor recording orchestra of KTHS, Hot Springs. Charlie's boys are a merry tribe of troubadours now leading the South and the camera men caught them all smiles as Charlie Dornberger at the right is directing an attempt to push over the huge bonder that stands in the middle of the plaza across from the Arlington Hotel.

Charles Dornberger Ready for Drive

# Tune in KGU and Hear Hawaii Calling

# Siren Voice of Waikiki Heard on American Shores and Lures DX Hunters to Seek Eternal Spring in Pacific

Honolulu Adthe Honolulu Advertiser. There are plenty of Californians who have heard this station, and just to realize that a voice is calling you from Waikiki should excite some sort of a thrill.

thrili.

The pictures on this page were furnished by H. N. Tyson, director of KGU, who bids all of the Radio Digest readers especially welcome to the "Paratise of the Pacific. where eternal springtime reigns supreme."

Lucky Mr. Tystandard and the property of the Pacific. Where eternal springtime reigns supreme."

The Honolulu Advertiser has an env The Honolulu Advertiser has an enviable record. At the top of the letter head appears this legend: "Hawaii's Morning Newspaper—365 mornings each year since 1356." With such traditions and such firm standing it is not to be wondered that KGIJ is a steady going broadcaster, and the 500 watts at its disposal serves excellently for the whole Hawaiian group.

lently for the whole Hawailan group.

No Lack of Entertainment
And do not imagine that Hawaii lacks anything for entertainment. Honolulu is one of the most beautiful cities in the world. The hotels are modern. It is a haven for artists from all parts of the globe, and you may trust Homer Tyson or Marion A. Mulrony to see that distinguished guests—especially those with musical talents—are eventually introduced to the entire Island population through the KGU microphone.

Native musicians always are in demand.

Native musicians always are in demand. As a rule they are happy to broadcast, for

# **BETTY MAKES RADIO ADS SNAPPY STORIES**



NEW ideas in broadcasting are always observed with great interest by the fraternity. Now comes the Supplee studios of Buffalo, broadcasting over WMAK. Betty D. Supplee (above) supplies the name to the company, although there are several members to the staff. She began broadcasting as Dorothy.



in this way their voices sometimes are heard by in-fluential persons who may lead them

well known to many Radio audi-ences. She is an-nounced as Prin-cess Lei Lehua. She writes to Radio Digest as follows:

who may lead them to theatrical engagements in the United States. Take for example the two girls in the group pleture, Miss Winona Love and Rose Tribe. They not only sing but Miss Love (left) is recognized as an exceptional Hula dancer. They visited the United States last spring and were feted everywhere, making a particularly brilliant hit with the Ad Club convention at Fortland, Ore. In the lower right hand corner of the page is another successful Hawaiian star

WJAN, Jacksonville, Fla. The people were very kind to me and wrote such nice things when I said I wanted to go back to my beautiful islands in the Pacific.

The fact that the true sons and daughters of Ha-waii are initated so widely by capaso widely by capable artists proves that they have a charm that is more than fancy. In the program popularity contest conducted by Radio Digesta few months ago thousands of writers included Hawaiian music as indispenmusic as indispen-sable for the ideal

sable for the ideal program.
Going back to pictures at the top of the page we have in the center Miss Alice Cowart.

Miss Alice Cowart. Unfortunately it was impossible to reproduce it in the original colors as had been hoped by the KGU director, because, as he stated, "The scene as she stands there against her surfboard seems to typify the spirit of eternal springtime as it actually exists here at Waikiki. Eventually all America will think of this place as a little Paradise, the place to come and leave all troubles behind—to be care-free and enjoy life at its best."

life at its best."

Mrs. Mabel Walters at the right is con-Mrs. Mabel Walters at the right is concert pianist regularly attached to the KGU staff. Visitors who come to the islands for a few weeks of pleasure comment on her technique and peculiar ability to translate into music the distinctive character of the island atmosphere. A letter from an Oregon fan said that he had heard Mrs. Walters announced, and when she played it seemed as though he was at Waikiki instead of Walkiki in Oregon.

Perhaps one of these days KGU, by authority of the federal Radio commission will be able to harness its power plant to flery Kilauea, generate 50 or 100 kw., and we will all listen in, and catch a little of this romance that finds such blithe expression for the comparatively few who now hear it in California.

# Radio Control May Go to Standing Committee on All Communications

New York Representative Visions Time Soon at Hand When Broadcasting Will Reach Gigantic Power-One Body Should Govern Entire System

REATION by the House of Representatives of a standing committee on communications, Radio and broadcasting is provided for in a resolution introduced in the House by Representative Sol Bloom, of New York, one of the members of Congress who has made a special study of Radio and its possibilities. Mr. Bloom is convinced the latter are so great that legislation dealing with Radio should be passed upon by a regular committee, and not be dealt with in a more or less haphazard way by a committee which has other matters to consume its time.

# Resolution to House

Resolution to House
"My resolution provides for creation by
the House of a standing committee on
communications, Radio and broadcasting,
to be constituted of fifteen members to be
designated in the usual way," said Mr.
Bloom. "I am doing this because I believe the time has come for Congress to
realize the importance of Radio, not merely
as a means of communication or for the
entertainment it affords, but because of its
commercial possibilities. Radio, as a
means of communication, has already
belted the globe and has obliterated time
and distance. Yet its possibilities have
hardly begun to be developed. I foresee
the time when heat, power and energy will
be transmitted by Radio.
"It has already been demonstrated that

REATION by the House of Representatives of a standing committee on communications. Radio and broadsing is provided for in a resolution inseen the occurs conquered in non-stop flights. Radio development will come with equal rapidity and feats we look upon today as verging on the miraculous will soon be commonplace occurrences.

# Means Great Development

Means Great Development

"All this means the development of a great commerce and a great industry. There will be many important problems, all of which will have to be dealt with In one way or another by Congress. Already the Radio and broadcasting business is one of the leading industries of the country. I feel, and many other members of the House agree with me, that the Importance of this Industry, what it means internationally as well as nationally and to the individual citizen, merits the attention of an exclusive committee of the house, to which would be referred all bills and resolutions relating not only to Radio, but to all lines of communication. The committee I am urging to be created would handle all legislation relating to Itadio, wireless telegraph and telephone lines. Some of these matters are now handled by the interstate and foreign commerce committee and others by the committee on merchant marine and fisheries. hardly begun to be developed. I foresee the time when heat, power and energy will be transmitted by Radio.

"It has already been demonstrated that ships on and submarines under the sea as well as trains and automobiles on the highways can be guided by energy transmitted by Radio. If we can transmit sufficient power to steer a ship or a motorcar, it will be but a short while until we enough power to propel the ships and drive enough power to propel the ships and drive the automobiles. It is the beginning that



PRINCESS LEI LEHUA of PRINCESS LEI LEHUA of Walkiki thinks Radio Digest should publish picture of real Hawaiian girl as well as imitators. So here is Lei herself. She is known to many Radio audiences and recently appeared at WJAX, Jacksonville. Now she has just returned from a brief trip home to her beloved islands, and is boosting Hawaii as the future playground of all Americans.

# Broadcasting of Interest to Home Makers



Natalie Giddings, WLW

# WLW Home Maker Feels Listeners Are Friends

"Fair, fat and forty" is the impression Natalie Giddings, director of the WLW woman's hour program makes on her audience. "You give the cooking chats with such complete assurance and you always seem so certain of everything you say that I was sure that you must have had a great deal of experience," was the surprised statement of a visitor to the station.

Although Miss Giddings graduated from college only two years ago, she is an experienced Radio woman. Her first year out of college was spent at WBBM, Chicago, where voice tests had shown that she was "one out of 112" women with a perfect speaking voice. Hundreds of letters from her listeners since then have insisted that her voice is pleasing and that her personality also has a Radio value.

# Decorations, Games, Colorful Menu For Washington's Birthday Party

Contributed by Aunt Jane of WOC

A UNT JANE who has given household talks from WOC for three years contributes suggestions for a Washington Birthday party for the younger Radio fan. Some of the games would tax the brains of grownups, but promise a lot of fun for children who have studied United States history.

She suggests that the little hossess as colonial lady may invite her friends to

She suggests that the little hostess as a colonial lady may invite her friends to help her celebrate the birthday of our first president. Her invitations, written on red hatchets tied with tri-colored ribbon, will request her guests to appear in colonial costume representing a great person of Washington's day.

Of course, the decorations will be red, white and blue. Crepe paper comes in various widths, in patriotic colors, and can be used unsparingly because it is inexpen-

various widths, in patriotic colors, and can be used unsparingly because it is inexpensive. At one end of the room hang a picture of George Washington surrounded by flags. Old-fashioned candlelabras holding red, white and blue candles complete the effect.

As soon as the last guest has arrived, play Yankee Doodle and have the children march around the room. Each child receives a red, white and blue booklet with pencil attached, which is to be used in connection with the games.

Guess Who

The first game to be played after the grand march is a guessing contest as to

Miss Giddings' attitude toward her work Miss Giddings' attitude toward her work insures her success. "After you have had letters from your Radio audience you just can't help liking every one of them as much as if they were each your personal friends," said the young woman's hour director when interviewed. "They are always so quick to rush to your defense if always so quick to rush to your defense if you suggest that some one has criticized you, that you feel as if they were all your champions. That is what makes broadcasting, especially to women, such an interesting business. When we realize that all of the women who write to us are busy women and that they must stop their work to write—as most of their letters indicate—then we feel that nothing we do to entertain or instruct our invisible audience is too much trouble."

whom each child represents. This may be difficult, but conversation in character will help. Prizes could be awarded to either the child who identifies the most costumes or to the most representative and easily recognized dress.

### Test Game

The test game is to select words containing the letters in the name Washington. The prize goes to the child with the greatest number of words at the end of ten minutes.

### Sewing Contest

Sewing Contest
On the next sheet of the booklet, each guest having been supplied with a needle threaded with red thread, outlines the profile of Washington. This game may be a little hard for the young gentlemen present, but should remind the girls of the samplers their great grandnothers made. A miniature picture of Washington would make a good favor.

National Heroes

### National Heroes

As the hostess reads the questions of this game, the answers are recorded on the next sheet of the booklet. the hostess reads the questions of

- 1. What ational hero beat the British? (Washington.)
- 2. What national hero wrote the Declaration of Independence? (Jefferson.)
- 3. Who was the first to sign the Declaration? (Hancock.)
- 4. Who wrote "Give me freedom or give me death?" (Patrick Henry.)
- 5. What national hero was famed for his horseback ride? (Paul Revere.)
- 6. What other president was born this same month? (Lincoln.)
- 7. What Civil War General became president? (Grant.)
- 8. What great soldier said, "War is Hell?" (Sherman.)
- 9: What president lead a charge up San Juan hill? (Roosevelt.)
- 10. What national hero of today invaded Europe by air? (Lindbergh.)

# Chopping Down the Cherry Tree

This game is a variation of pinning the tail on the donkey. Each guest is blind-



folded and given a hatchet to place on a marked place on the tree trunk. To keep the hatchets straight each is given a number to correspond with the number given the child. The hatchet pinned nearest the trunk receives a little hatchet candy box filled with candies.

Table Decorations

The table may be decorated to represent Valley Forge. A toy fort occupies the center of the table surrounded by toy cannons filled with candy cherry balls. Small flags may be used as place cards. A lead or paper soldier stands sentinel at each place.

# Menu

The color scheme may even be carried out in the food. Creamed chicken on toast garnished with pimento may be served on blue plates. Vanilla ice cream, each slice hearing a bunch of candled cherries again served on blue plates makes an attractive but simple dessert. A real birthday cake with red, white and blue candles may be brought in after the guests are scatted. This will give the finishing touch to the party.

# WOMAN'S PROGRAM INDEX (Daily Unless Indicated)

# Household Economics, Women's Hour, Etc.

Eastern Cen	tral Mount	ain Pa	clfic
### Eastern Cen 9:30 a. m. 8: W. J (352.7m 850	30 7:30	5 6	:30
WBAR (270.1m-11	10kc). Moderi	n Houseke	ening
hour, less work	in the Americ	an home.	
WUSH (365.0m-82)	Jkc), ex Sat.		
W11 (348.6m-860kg	D. Tues Thur	Sat. men	111.
WBAR (270.1m-11 hour, less work WCSH (365.6m-82) WHT (305.9m-980) WH (348.6m-860kc WLW (428.3m-700 10:10 9:	ke). Woman's	hour.	
10:10 9: WEMC (483.6m-62	00 8:10	Channel 7	:10
10:15 9:	15 8:11	i. Chaney,	:15
10:15 9: WLW (428.3m-700	kc), Cooking c	hats.	
10:30 9: KDKA (315,6m-95		ນ 7	:30
		er's hour	
WNAC (461.3m-65)	(kc), Woman's	club.	
WRU (468.5m-640)	(c), Mon.		
WRC (468.5m-640) WRC (468.5m-640) WTAG (516.9m-58) 10:45	45 R:45		145
WBZ (333.1m-900)	c), Radio Che	f.	
WBZ (333.1m-9001 WHO (535.4m-5601 WLS (344.6m-870ke WTTC (535.4m-560	(c)		
WTTC (535 4m-560	kc). Wed Eri		
11 10			1
KDKA (315.6m-95 WAAM (267.7m1); WEAF (491.5m-616 W N (416.4m-720); WOL (265.3m-1130	Oke), Cooking	school.	
WEAF (491 5m-61)	Mc), Cooking	Betty Cro	rı. eker
\\ 'N (416,4m-720)	(c)	, 11.11, (10	CREI.
WOI (265.3m-1130	kc), Tues, Ti	iurs. home	mak-
WOI (265.3m-1130 ers hour. WSB (475.9m-630k	rc)		
11:10 10;	(c) 10 9:10	8	:10
WENIC (483.0m-02	UKC), FTI, I'T	of. Chaney	
11:45 10: WREN (254.1m-11	45 9:4: 80kc)	, 8	:45
12 11	10	_ 6	
12 11 WEBH (365.6m-82 WOJ (447.5m-670k WTMJ (293.9m-10	Okc) Prudence	Penny.	
\\TM   (293 9m-10	20ke). Househ	old bints	
12:30 p. m. 11:	30 10:30	) 9	:30
12:30 p. m. 11: KYA (309,1m-970) Fri.	(c), Shopping	service.	Mon.
WEBH (365,6m-82 WMAK (545,1m-5 WMAQ (447,5m-6	Oke). Prudence	Penny.	
WMAK (545.1m-5	50kc), Tues, S	at.	
WMAQ (447.5m-6	70kc), Calume	l hour.	:45
12:45 11: WLAC (225.4m-13.	10 (4)	, ,	:43
WSM (336.9m-890)	ce)		
1 12 KGW (491.5m-610 F.L.X (509m-590kc KPO (422.8m-710k 1:30 12:	II Hansahale	16	)
F1.X (509m-590kc	). Martha Le	i neips,	
KPO (422.8m-710k	c)		
1:30 12: V V V (336 0m -800)	30 11:3	) 10 21 Kata 1	1:30
KOMO (305.9m-98	Okc). Totem of	ooking scho	ool.
1:30 12: KNX (336.9m-890) KOMO (305.9m-98) WGY (379.5m-790) 1:45 12:	ke), Economic	tałk.	
1:45 12: KFDY (545.5m-5	45 11:49 50kc), Wed,	Homen's	kere'
heur,	DURET, 11 CU;		
2 1	12	11	ı
KFRC (454m-660k KOIN (319m-940k	c), Mon, Wed	, FTL s' hour	
WGHP (277.6m-10	BURC), FIOTHE	nibur.	
			:05
WJZ (454.2m-660k 2:15 1:	c). Daily men	us.	:15
KOIL (319m-940kc	. Shoppers' ai	d.	

Lastern	1.20	Modificani	1 00111
	1:30 (356.9m-840kc).	Julia Jane.	Mon. Wed
WCV (	(379.5m-790kc).	Tues	
3	2	1	12
	(340.7m-880kc).		
3:30	2:30	_ 1:30	12:30
W.F.S. (	344.7m-870kc),		hour.
WOC /	27 4 0 00011	A 2	1
11 00 1	3/4.0m-000KC),	24 Unit Jame.	1.20
KEOA	374.8m-800kc), 3:30 (447.5m-670kc)	. Daily ex Su	n. Mon
5	4	3	2
CKLC	(356.9m-840kc),	Julia Jane,	Mon, Wed
Fri.			
6:30	5:30 (325.9m-920kc),	4:30	3:30
KOA	(325.9m-920kc),	Question be	ox, cumar
8.20	, Tues, Fri. 7:20	6+20	E+20
KIIOA	(296 9m-1010kc)	1	
8:45	7:45	6:45	5:45
WHA (	333.1m-900kc)	Home econom	ics.
10:45	9:45	8:45	7:45
KOAC	(270.1m-1110kc)	. Tues, Thur:	5.

KOAC	(270.1m-1110kc).	Tues, Thur	·s.
	"Aunt	Sammy'	,,
Eastern 10 a.	m. 9	Mountain	7
10:30 WCSH	(440,7m-680kc), ] ) . 9:30 (365,6m-820kc)	8:30	7:30
10:45	(238m-1260kc) 9:45 (288.3m-1040kc)	8:45	7:45
WEAG	10 (282.8m-1060kc) (352.7m-850kc)	9	8
WKBH WOS	l (220.4m-1360kc) (422.3m-710kc)		
11:10	(475.9m-630kc) 10:10 (296.9m-1010kc)	9:10	8:10
WEMO	10:30 (483,6m-620kc) (422,3m-710kc)	9:30 Non Tuna	8:30 Wed. Thurs.
Fri.	11	10	9
KQV WRVA	(440.9m-680kc) (270.1m-1110kc), (254.1m-1180kc)		
W.VMI	5 p. m. 11:15 (222.1m-1350kc 12	10:15	9:15 10
1:30	(384.4m-780kc) 12:30 (361.2m-830kc)	11:30	10:30
WAPI 1:49	(340.7m+880kc),	Fri. 11:45	10:45
WhAC	(263m-1140kc)	12	11
KUOM	(319m-940kc) [ (461,3m-650kc) [ (256,3m-1170kc)	)	
3:30	0 2:30 (265.3m-1130ke). 3	1:30	12:30
WOC 4:10	(374.8m-800kc)	2:10	1:10
4:15		2:15	1:15

Eastern 4:30	Central 3:30	Mountain 2:30	Pacific 1:30
KOIL (319m-9 WOS (422.3m	740kc) -710kc). Th		1100
6:30 KMA (394.5m	5:30	4:30	3:30
KQW (296.9m	8 -1010kc)	7	6
	. —		

# Fashions and Sewing

WCAE (461.	10:30 3m-650kc),	Styles, Tues,	8:30 Fri.
KFWI (267 Thurs,	.7m-1120kc)	, Fashion hi	nts, Mun,
1:35 KPO (422.3r WGBS (349r	12:35 n-710kc), F; n-860kc), D	11:35 asliion critic, ressmaking le	10:35 Fri. ssons, Fri.
%()S (422,31 6:45	n-710kc), V 5:45	yed, 4:45	3:45
KU.\ (325.9t	n·920kc), F	ashion review	. Tues.

# Health and Beauty

Eastern	Central	Mountain 8 essons in lo	Pacific
10 a. m.	9	8	7
10:15	m-86UKC), L	essons in lo	eliness.
77.C.715 (461	3m-650kc)	8:15 Health talk	7:15
10:30	9:30	8:30	7:30
KDKA (315	6m-950ke),	8:30 Tues, Beaut	y hints.
10:45	9:45	8:45 auty talks, 7	7:45
WLW (428r	n-700kc), Be	auty talks, I	ues, Fri.
DEED GOD	200 50001000	9 Vf.a Th	8
WDR (422	3m-590kc), i	Mon, Thurs. Lessons on	Loveliness
11:10	10:10	9:10 Mon. 11 Beauty talks,	8:10
WEMC (48)	3.6m-620kc),	Mon.	
1 p. m.	12	. 11	_ 10
KM11R (526	m-5/0kc), 1	seauty talks.	Tues.
K EON (241	8m-12d0ka)	11:30 Physiology	f beauty
KFW1 (267	2m-1120kc).	Beauty hints	Tues Fri
KYA (309.1	m-970ke). I	Beauty hints liet and Hea	lth. Tues.
WTAM (39)	9.8m - 750kc).	Beauty talk	. Tues.
2:30	1:30	12:30 ealth talk.	11:30
KJR (348.6)	n-860kc), 11	eafth talk.	10.40
VCA (260 7	2:4U	1:40 Dietetic talk	12:40
9+20	R:20	7:20	6:20
KFRC (454.	3m-660kc) 1	Churs. Madai	ne Marie.
10:45	9:45	8:45	7:45
KNX (336.9	m-890kc), l	7:20 Thurs, Madai 8:45 Dr. Robert 1	. Williams,
Tues.			

# Interior Decoration

Eastern 9:50	Central 8:50	Mountain 7:50	Pacific 6:50
10:30	7m-850kc), S 9:30	8:30	7:30
1	12	urniture talk: 11 `ues. Talk,	10
Mataon (36)	in-5/()kc). 1	ues. Laik,	W. Clair

# Gardening

Easter 11:40	10:40	9:40	Pacific 8:40
1:20	(483.6m-620kc p.m. 12:20	11:20	10:20
KFI 0	3:15	'How and What 2:15 Home Gardening	to Plant."
- 5	416 4m-740kc)	3	, Mon. 2

# News

Eastern	Central	Mountain	Pacific
7:30 a. WLAC (2	m. 6:30 25.4m-1330kc)	5:30	4:30
10:35	9:35 (05.2m-740kc)	8:35	7:35
11:30	10:30 (22.4ni-930kc)	9:30	8:30
11:55	10:55	9:55	8:55
12 .	35.4m - 560ke)	10	9
WMAK (	545.1m-550kc) 516.9m-580kc)		
12:45	11:45 9m-940ke)	10:45	9:45
1 .	1.5m-610kc)	11	10
WTAG (9	516.9m-580kc)		
KFON (2	1:30 41.8m-1240kc)	12:36	11:30
3:30	236.1m-1270kc) 2:30	1:30	12:30
3	45.1m-550kc) 2	1	12
5	0.7m-1150ke)	3	2
	9.5m-790kc) (22,4m-930kc)		
6:50 K()11, (31	5.50	4:50	3:50
7	41.8m-1240kc)	5	4
KOA (325	5.9m-920kc1		
7:15	616.9m-580kc) 6:15 65.6m-820kc)	5:15	4:15
7:30	6:30	5:30	4:30
7:40	47.5m-670kc) 6:40	5:40	4:40
8	88.3m-1040kc)	6	5
8:55	5.9m-920kc) 7:55	6:55	5:55
9	88.3m-1040kc)	7	6
KOIN (3)	.6m-860kc) 9m-940kc)		
KOMO (3	305.9m - 980kc) 516.9m - 580kc)		
9:20	8:30 5.9m-920kc)	7:20	6:20
10:01	9:01 3,1m-900kc)	8:01	7:01
10:30	9:30 16.9m-580kc)	8:30	7:30
10+50	9:50 361.2m-830kc)	8:50	7:50
11	10	9	8
WTIC (5.	365.6m-820kc) 35.4m-560kc)		

# Experts Vote Down Voice of Congress

Broadcasting of Senatorial Debates by Aid of Microphone on Each Desk Declared Not Feasible by Army Engineers

By Mike Krofun

By Mike Krofun

66 OOD morning, dear constituents of the Radio audience—the Voice of Congress speaking from WASH.

D. C. Senator Petrel from Guam will lead the morning's debate from the Senate floor. The question: Our New Mexican Policy—Beans, Bullets or Oil? Operating by authority of the federal Radio commission on more or less frequency—

That's the way it might have been for the good housewives who have a flair for parliamentary discussion, and who are the only ones to have access to the family Radio during the average man's business hours.

Radio during the average man's business hours.

But alas, dear constituents of the Radio audience, it is not to be, this year at least. The Voice of Congress will continue to expend itself within the limits to which it has been accustomed during the last nundred and fifty years or so. The joint committee working under the direction of the secretaries of the navy and of war have found the project unfeasible, and so reported to the honorable Congress.

That great conflux of golden eloquence assembled beneath the dome of the national capitol must continue to seethe within its narrow confines as it has done from generation to generation, surging and dashing itself against the classic walls of those revered chambers, and no further.

Historic Voices

Voices there have sent millions of your compatriots to war and death, have shaped the destinies of other great nations, built eastles, shattered dreams. Great men have come and gone—some are there today, more will come tomorrow. The printed word of the supreme highlights is all that the nation sees or hears. Someone thought as long as two years ago that inasmuch as Radio broadcasting had become so popular, the Voice of Congress might be put on the air for all who wished might be put on the air for all who wished

come so popular, the Voice of Congress might be put on the air for all who wished to hear.

The plan was first broached by Senator Dill of Washington, interested in Radio affairs from the beginning. Discussion finally evolved into Senate Resolution No. 197. It called attention to the fact that even within the Congressional halls the voices of speakers from widely separated points on the floor were not always clearly audible. Why not put a microphone and amplifier on each desk?

Boon to Schools

Why not let the people at home know what is being said and done in Washington while history was in the making—actually hear it in process of evolution? What a boon it might be to public schools, studying the organization and functions of government! What a spur to the ambitions statesman to prove to the voters back home that he was in earnest and an important factor as their representative in the affairs of national diplomacy.

Anyway the matter was worth considering. The navy had been busy with wire-less since its discovery nearly a quarter



# RADIO LOOMS HIGH AS ELECTION VOICE

WILL the next President of the United States be nominated and elected by Radio? Soon the air will reverberate from coast to coast with impassioned pleas of the party leaders. Political planks will be hammered into platforms on which will be built the history of the nation during the next administration. Not since the signing of the Declaration of Independence will the people be in such close touch with the political developments of the day. The move to install microphones on each senatorial desk may be halted—but Washington will be heard. ILL the next President of the

They figured costs and And finally they sim-

compensations. And finally they simmered it all down into a concise but very thorough report. They said in effect: First. The project of equipping senatorial desks with microphones and receivers is impracticable in the present stage of Radio development.

Second. Additional equipment that would be required to broadcast the proceedings of the Senate through war and navy department facilities would cost approximately \$3,000,000 and require an annual appropriation of \$1,188,400 for upkeep. The report is thoroughly done and voluminous in detail.

Broadcast Scene at Opening of Congress President Coolidge Delivering Message



RADIO listeners throughout the nation and even across the seas are familiar with the voice of President Coolidge who often has addressed the nation from his desk in the White House or from the speaker's desk in the Senate. A slight nasal tone distinguishes his voice but his words are clear and distinct.



Army-Navy Report

In explanation of the reasons why the plan is not feasible it might be more satisfactory to refer to the words of the report itself, which says:

1. It may be stated that there are two principal reasons why a public-address system could not be employed successfully in the Senate Chamber, assuming that individual microphones are desired on each Senator's desk so as to obviate the necessity of talking from any given point in the Chamber. Chamber.

Chamber.

2. The first of these is the singing effect which results when the sounds emitted from the projectors or loud speakers reach the sensitive microphone with a sufficient degree of loudness to operate it. For successful operation of any loud-speaking system, the projectors or loud speakers must be so arranged as to direct the sound away from the microphone, thus preventing coupling between the loud speaker and the microphone and the resultant singing effect. Under ordinary conditions where only a single microphone mounted on the speaker's stand is employed, the foregoing condition can be met very readily, i. e., the loud speaker can be suspended above the microphone in such a manner as to direct the sound away from the microphone. Ohviously this requirement could not be met in the Senate Chamber where nearly 100 would be needed and these distributed over the entire floor.

3. The second impracticable feature is that of providing a satisfactory switching arrangement for energizing and deenergizing the various microphones at the proper instant. The noises and confusion which

ment imperative. This problem would be a comparatively simple one if the loud speaker were only to be used while speeches were being made by the various Members. It could readily be solved with the ald of a microphone control switch-board operated by an attendant who would connect the loud speaker to any one of the microphones as required. In dehate, however, where brief remarks are exchanged by several different Members in rapid succession, it would be extremely difficult, if not physically impossible, to energize and deenergize the various microphones with sufficient dispatch to extend the facilities of the loud speaker at the proper instant to each individual who wished to talk or who obtained the floor.

4. From the foregoing it will be seen

4. From the foregoing it will be seen that the present development of the art is such that the employment of the public address system in the Senate Chamber possessing the features outlined in Senate Resolution No. 197 is impracticable at this time.

# Need New Apparatus

SENATOR JAMES A, REED is shown here as one of the most logical candidates for the Democratic party. His keen insight into national problems, his general acceptability by all factions earned him the Missouri state endorsement at Sedalia.

Of a century ago. The army had carried on the work extensively—especially since on the work extensively—especially since the World War. Both branches have large landio facilities and access to the best minds on the subject.

A committee was delegated to make a thorough study of the possibilities. Commander S. C. Hooper of the navy and Lieut. Colonel J. O. Mauborgne mobilized their best engineers and experts. They struggled with giant problems never before

chase suitable broadcasting transmitters for installation at their various stations. The number of such transmitters and the power determines the cost of purchase and, later, maintenance and upkeep of the installation.

stallation.

It is unfortunate that the proceedings of the Senate are carried on during daylight hours, since the daylight distances of transmitters in the broadcast band are considerably less than night distances. It is estimated that the distance of a 5-kilowatt output transmitter in daylight, using the average receiver now employed by listeners, is approximately 100 miles; the distance of a 10-kilowatt about 175 miles; the distance of a 20-kilowatt about 250 miles; and of a 50-kilowatt about 350 niles.

Super Power Required

# Super Power Required

Super Power Required
Utilizing land already in use by the
Army or Navy, your committee finds that
the greater part of the country might best
be covered by the installation of:

(a) 10-50 kilowatt transmitters located

- (1) Selfridge Field, Mich.
  (2) Fort McPherson, Ga.
  (3) Key West, Fla.
  (4) Fort Omaha, Nebr.
  (5) Fort Sam Houston, Tex.
  (6) Fort Bliss, Tex.
  (7) Fort Douglas, Utah.
  (8) Naval Radio station, Astoria, Ore.
  (9) Presidio of San Francisco, Calif.
  (10) Fort Snelling, Minn.
  (b) 8—10 kilowaft transmitters located (1) New Orleans naval Radio station.
- New Orleans naval Radio station
   Fort Sill, Okla.
   Fort D. A. Russell, Wyo.
   Rockwell Field, Calif.
   Fort Lincoln, N. Dak.
   Canip Pike, Ark.
   Fort Wingate, N. Mex.
   Fort William H. Harrison, Mont.
   5-5 kilowatt transmitters becated

\$3,300,000

In order to transmit the desired broadcast to each station it would be necessary to cut in leased wires of the special balanced type used for broadcast transmission. These lines are rented at an annual rental of \$50 per mile. Where such lines already exist but would require in (Continued on page 20)

# **NATIONS UNITED IN** RADIO AGREEMENTS

EIGHTY COUNTRIES SHOW GOOD OF ARBITRATION

Kindly Spirit Prevailing at World Conference Reflects Credit to Air Communications

Conference Reflects Credit to Air Communications

THE International Radiotelegraph Conference sitting in Washington, D. C., for a period of seven weeks and participated in by representatives of 80 different governments reached an unanimous agreement on November 25 which is to become effective January 1, 1929.

The Conference will next convene at Madrid, Spain, in 1932. The agreement reached at the present conference will have to be approved by the legislatures of the various countries, but lansmuch as the question is so technical it is not believed that any trouble will be experienced in having it approved. Secretary Hoover is now having a summary prepared to be sent to the Senate at an early date.

It is of Interest to the general listener in the United States to know of the provisions of the convention as to spark sets, whose interference is so fatal to the broadcast listener. It provides that twelve months after adoption, no more spark sets are to be installed in the world, and that existing sets, within a definite period of years, shall be replaced by continuous wave sets, or other more modern equipment, and in that way interference will be greatly minimized.

For the first time also, the conference recognized the amateur as an important element in Radio communication and conferred on him, by international treaty, certain definite wave lengths. The effects of these arrangements for the amateurs were agreed by their representatives as increasing and assuring opportunities to make contacts with correspondents overseas.

ing and assuring opportunities to make contacts with correspondents overseas.

Owing to the lack of precision of the term "wave length," the conference

WAR torn China sur-rendered General and Mrs. Ti-Ching Wu to the Peaceful Overtures of the Washington Radio Conference.

# adopted as a major designation the word "kilocycle." In these terms the conference set apart from 10 to 100 kilocycles chiefly for long distance transoceanic service, the channels from 100 to 500 kilocycles primarily for ship to shore and aircraft service; from 500 to 1500 kilocycles for broadcasting; the very great number of channels from 1500 to 5000 kilocycles were apportioned into 40 different hands and divided between four or five varieties

RADIO BREAKS INTO LONG ARCTIC NIGHT

SPECIAL programs and messages to peoples buried in the night of the Arctic were scheduled to go from WBZ-WBZA on 333 meters January 7 and February 4; from KDKA January 14 and February 18; from KYW January 1, January 28 and February 11.

This service on the part of the Westinghouse stations has been carried out in other years with great success although no word could be received as to whether the messages had reached their destinations until six months later.

The conference established regulations for each of the different bands assigned to specific purposes. In the mobile service band—mostly ship communications—it clarified and strengthened the regulations in such fashion as will result in greater safety of life and property at sea. These regulations set forth detailed and stringent rules of practice for communication between ships and shore. They facilitate the making of contacts between ships. They give full place to the Radio compass. They place distress communications in priority over all other communications. The conference established regulations

The broadcasting band has been clarified and defined for the whole world in such a fashion that there will be less contict and interference—a direct contribution to every owner of a receiving set.

The area of the higher kilocycles—that is the shorter wave lengths—was so divid-

is the shorter wave lengths—was so divid-ed as to give stimulation to the many ap-plications which are now tentatively be-fore the world.

# WLAC FEATURES CRYSTAL QUARTET



A BOVE is the famous Crystal Quartette which of late has attracted so much Attention to WLAC, Nashville Thrift Station. Left to right, Mesdames: Herman Pride, Jake Petway, Henry Hoover and Rupert Cartwright. Below is Miss Nell Moran, soprano, director of the Voice Department of the Ward-Belmont Conservatory of Music.

# M. P. Presents Billy Ward with Digest Cup

Canadian Announcer Hears Why He Won Popularity Honors

BILLY WARD, winner of the Canadian Silver cup in the Radio Digest popularity contest, received his trophy with words of praise from a member of parliament.

Not being able to attend the other presentation ceremonies at the Chicago Radio show Billy was not to be outdone for lack of a function—not so long as D. R. P. Coats, manager of the station CJRM, Moose Jaw, was able to be about, and up and doing.

Moose Jaw, was able to be about, and up and doing.

J. Gordon Ross, M.P., agreed to see that Billy should receive the cup with befitting words of praise. George M. Ross, president of the Young Men's Section of the Moose Jaw Board of Trade, took the responsibility of making the arrangements. When the time came all western Canada listened in to the Moose Jaw station. Billy blushed his appreciation.

# NATIONAL RADIO AUTHORITIES ATTEND PARLEY



DELEGATES to the International Radio Conference are Shown Assembled at the RCA Banquet in their Honor in New York. Commandant Paul Brenot, Chief of French Delegation, Lower Right.

The problems which confront both broadcasting and commercial Radio were pointed out in no uncertain manner by the Radio Corporation of America when it took all of the members of the international Radio Conference to Long Island to see its receiving and sending stations, later taking them to broadcasting power stations and studios.

This was of especial interest to the conference. Just as Marconi and Eckerstance of the marine work of the Radio and also of the transmission of pictures from London direct to the banquet hall. At the dinner senator Marconi was the principal speaker and the guest of honor.

All of the interested nations sent their most able representatives to attend the conference. Just as Marconi and Eckerstance of the ransmission of pictures from London direct to the banquet hall. At the dinner senator march to the principal speaker and the guest of honor.

and divided between four or five varieties of service, including the amateurs.

International Radio Conference to Long Island to see its receiving and sending stations, later taking them to broadcasting power stations and studios.

This was of especial interest to the delegates in view of the fact that the American delegates have been making an effort all during the conference to have the foreign delegates segregate the governmental control from private ownership in their discussions.

Before returning to this city the corporation gave the delegates a banquet in New York where there was a demonstra-



# Old Director Reviews Air Personalities

# Radio Artists Must Have Real Ability as Well as Charm to Win Applause of Discriminating Listeners

THE successful Radio artist must have unquestioned ability as well as a winning, magnetic "Radio personality," for it must be remembered that radiopublic opinion recognizes no nationality, creed nor social standing when it tosses its bouquets.





majority of which are furnished by in mates of the Missouri State penitentiary. When we first opened woos, our only activity was reading market reports throughout the day, occasionally broadcasting phonograph music evenings, a novelty in those days. One evening while flowernor llyde was inspecting our studio, he inquired if we expected to continue to reproduce phonograph records when we had such a well equipped station. This was true, but Jefferson City, a typically small capitol town with a large transient population, boasted but little, if any, local talent and it was impracticable to import it from St. Louis or Kansas City. The Governor expressed a desire for us to either close the station evenings or secure some talent. I meditated on this until the inspiration came one afternoon as I observed from my lofty office in the capitol dome, the "Peaceful Village Band," rehearsing in the penitentiary yard. A hasty visit to Governor Hyde, and then the prison commissioner secured the necessary permit to visit the penitentiary, where I not only selected a wonderful brass band, but an orchestra and some very promising musicians for solo work.

Prison Band Scores

# Prison Band Scores

The first Radio appearance of the Missouri State Prison Concert Band assured its popularity with the Radio audience for all time. They went over blg and thousands of letters came to us complimenting the members. Gifts of appreciation arrived daily in the form of tobacco, cigarettes, candy, and the like. The band leader's popularity started from the first night his name was mentioned before the microphone and continued to grow as time went by. A petition started out in the state for his pardon and contributions



"Sunflower Girl" of WBAP left her home in Kan-sas to visit relatives in Ft. Worth, Texas. "I think you would go over big with our Radio audience," said the Hired Hand of WBAP. Con-cealing her own name, she was introduced as the "Sunflower Girl" and proved that she had that indefinable something that makes those who have it especially popular with the Radio audience.



ME. HANA SHIMOZUMI IKI, Japanese grand opera star, is frequently heard on the programs from KGO, the General Electric Pacific Coast broadcaster, at Oakland, Calif.

Mme. Iki was the first Japanese woman to sing in "The Mikado" and to appear in any operatic role other than Japanese

in character. When she recently married Dr. G. Iki, a University of California graduate, Mme. Iki gave up a promising operatic career. For two years she toured with the Gallo Opera company throughout the United States and Canada, and was a star with the San Carlos Opera company and the Gallo English Comic Opera.

to finance it were received by its sponsors from all over the United States, Canada, Mexico and the West Indies. The young leader's following was at that time as great as the famous Lambdin Kay of WSB, Atlanta, Ga., who several times sent by the teachers. WSB, Atlanta, Ga., who several times sent him telegrams complimenting the band and his solo work with it. It was not sympathy that inspired the public, it was his ability. Within two years he was pardoned and, with his commendable Radio reputation, immediately obtained a position as a mid-western municipal band leader. Today he is a noted musician, respected and loved by all who meet him. Had it not been for the Radio, which brought his talent before the Radio public, he would still be wasting away his life behind those grim prison walls.

behind those grim prison walls.

Discovers Piano Artist

Another parallel case was that of "The King of the Ivories," who is to-day well known to the patrons of vaudeville. He was a pianist of unusual skill and originality, who played with the Missourf State Prison Concert Orchestra. His clever manipulation of the ivories soon won him nation-wide popularity, and shortly before he was released, he was awarded a gold medal by a national vote conducted by an eastern Radio publication. For being the most popular Radio artist in the country. On the day he left he was presented with an automobile by his admiring audience and given a lucrative long-term contract with a leading vaudeville circuit. His announcer, a crippled war veteran, shared his honors and the two have been commanding good box office receipts ever since.

when he had appeared at my old station WOS. "We'll beat that." I assured him, and we certainly did! He took his little ukulele and for a half hour crooned his songs, including the famous "It Ain't Gonna Rain No More."

Gonna Rain No More."

Within forty-eight honrs we had 15,000 letters and cards for him from the Radio audience, not to mention thousands of telegrams and telephone calls. This was the largest Radio applause I have ever witnessed for any individual artist after a single performance, over a single station. (They did not have chain broadcasting in those days).

# Wendell Hall Has Personality

Wendell Hall Has Personality
Wendell Hall, for that is who it was, often visited us when later he was employed by a famous battery manufacturing company who paid him a handsome salary and his expenses for traveling the rounds of Radio stations, and entertaining the Radio audience with their compliments. It was not pull, nor anything else but ability that won him his fame. His success was even greater, for two years later, when I was opening the station in the Hotel Roosevelt in New York City, I sent him an invitation to appear on our opening concert to which his manager replied that Mr. Hall now received forty dollars for a ten-minute appearance.

However, he did come and we had a

in the country. On the day he left he was presented with an automobile by his adprised audience and given a lucrative long-term contract with a leading vaudilong-term contract with a leading vaudilong. The radiopublic will never forget the night that Wendell Hall was married at station WEAF. linked with a long chain of stations scattered over the East and Mid-West. The happy couple was honored with an ovation of telegrams and applause from hundreds of thousands of a young fellow who called himself "The Red Headed Music Maker." He claimed to be a song writer and I booked him as his story sounded good. He claimed to have received 5,000 letters the week before

There are also many instances where great misery and poverty have been avoided by the response of radiopublic opinion to talented artists. One day a young woman called at my office in the Hotel Roosevelt and announced that she had recently arrived from Des Moines, Iowa, where she had been a prominent singing teacher and entertainer. She had expected to find fame and fortune in heartless New York, but had found nothing but misery and discouragement at every turn. Would the Radio help her obtain work? If she had talent, most assuredly it would. That afternoon she sang four songs over the air after which we announced that her services would be available for theatricals and private entertainments. and private entertainments.

### Voice Wins Contract

No sooner had the station signed-off than several telephone calls were received from interested parties requesting an interview. She connected with the first one she answered and secured a position that has advanced her in a little over two years to that of a Broadway favorite. She was related and the redionwhile knew it here.

she answered and secured a position that has advanced her in a little over two years to that of a Broadway favorite. She was talented and the radiopublic knew it, because only last week her picture graced the cover of a current musical journal.

Another incident of this kind concerns the "Volga Trio." The father, mother, brothers and sisters emigrated from terror stricken Russia. After arrival in New York, although they were all talented musicians, the father was only able to secure menial work which scarcely brought money enough for food for his family. Ivan, a boy of eleven, was an accomplished cellist; Natacha played the violin beautifully and Thamar was an expert pianist.

These three, comprising the "Volga Trio," came to my office in the Hotel Roosevelt asking for a trial on the air. They looked like three kids who should have been in school, but I gave them an audition, as they claimed that they had been very popular over the Russian Station at Moscow and also from 2LO in London. They had astonishing ability, and when they had broadcast "on the air" they became popular at once.

The radiopublic never fails to reward ability, and they soon secured positions for commercial broadcasting and for private affairs. Society took them up and they were soon the rage. Success has smiled upon the whole family and now they live in a beautiful home in the upper Bronx ever thankful to Radio for giving them a chance to show their talents.

It is therefore proven that the Radio listener hears with his own ears and can

them a chance to show their talents.

It is therefore proven that the Radio listener hears with his own ears and can not be influenced by newspaper publicity or other propaganda, because he hears a free show and is quick to respond to real art. Radiopublic opinion, as expressed in hundreds of thousands of letters daily to broadcasting stations, is the barometer that makes or breaks the Radio "stars," just as the audience "out front" makes the stage star.



ADIO Listeners, far and wide, have enjoyed the merry musical programs broadcast by the National Broadcasting Company. Little Miss Jessica Dragouette (above) is one of the scintilating stars of the troupe. She has also been pronounced one of the Radio personality types who win distant audiences. She has a manner and voice that seem to stimulate the listener's imagination.

# RADIO STATIONS HELP BOY SCOUTS CELEBRATE BIRTHDAY ANNIVERSARY



# POPULAR ORCHESTRAS

(Continued from page 5)

(Continued from page 5)

"We are now at the Texas hotel, another of the Baker chain, and broadcast every afternoon from six until six-thirty, and every Sunday evening from nine-fifteen until midnight from WBAP. We also have been making Columbia records for the past three years. On last New Year's day we received long distance phone and cable messages from Bangor, Me., Vancouver, B. C., Balboa, Panama Canal Zone, and a cable from Havana, Cuba.

"Don't forget, 'WE ARE GOING TO

"Don't forget, 'WE ARE GOING TO WIN THIS CONTEST."

WIN THIS CONTEST."

Challenge All Comers

There's a challenge for you, you Christensen voters. Iowa is doubtless one of the strongest Radio voting states in the country, but these Texas Aces seem to have cultivated a long line of friends throughout the Southland. Votes are coming in from Georgia, Tennessee and Texas areas.

This may account for the less active voting for the Southern District candidates. While Texas is really a part of the South it has been classed in the West District for the geographical division of the contest.

Charles Dornberger writes in from the Arlington Hotel at Hot Springs, Ark., that he expects to win one of the plaques even if he does not capture the international trophy. He says:

"I have had lots of people who have

"I have had lots of people who have heard us on the air write in to tell me they have sent coupons to your magazine voting for me and I hope I am lucky enough to win a plaque."

win a plaque."

The Dornherger orchestral is listed under KTHS at Hot Springs.

Owing to Christensen's swift climb to the upper strata Maurie Sherman gets into the box of leaders again to represent WLS for the Midwest.

Thousands of letters have been received from fans from all parts of the country. Canada is pulling strong for its favorite candidate and when it comes down to the last drive remember the tremendous determination displayed by Canadians during the World War when they held the whole Allied front from caving in. The canadian sector is O. K. and while they may be short of the masses that determine big votes they may yet take a dominating lead in this topsy turvy contest. Irvin Plannu, you will observe, still holds gallarity to first place on CNRW of the Sixth District.

Here is how the rest of them stand:

THIS is the month the Boy Scouts will be heard on the air. The eighteenth birthday of the organization will be celebrated throughout the country from February 6 to 12. On February 6 the Scouts celebrate Home Day, and on February 7 School Day. After the Anniversary Celebration on Wednesday, February 8, other days of celebration include Citizens' Day on February 19, Camp Day on February 10, On February 11 the boys will themselves demonstrate Scouting activities in the open. The week will close with special religious services on Sunday, February 12. HIS is the month the Boy Scouts will

Comprising: Maine, New Hampshire, Vermont, Massachusetts, Rhode Island, Connecticut, New York, New Jersey, Pennsylvania, Delaware, Maryland and District of Columbia.

Vincent Lopez's orchestra, WEAF.......2.194

Crosley Mescow, Art. orchestra.

Crosley Moscow Art orchestra, WEAF ...1.830 WEAF 1,830

Freddie Rich's orchestra, WJZ 1,672

Palais D'Or orchestra, WEAF 1,316

Ipana Troubadours, WEAF 1,007

Roxy's symphony, WJZ 997

Al Steele's Musical Vagabonds, WMCA 927

A and P. Gypsies, WEAF 829

KDKA Little Symphony, KDKA 815

Club Worthy Hills orchestra, WTIC 796

Jack Albins, WEAF 759

Century orchestra, WAK 659

Ed. Carpenter's Hotel Statler orches-

Century orchestra, WMAK.

Ed. Carpenter's Hotel Statler orchestra, WGR.

Ben Bernie's orchestra, WEAF......

Red Nichol's Charleston Chasers, Columbia chain
Paul Whiteman's orchestra, WEAF...

Cliquot Club Eskimos, WEAF...

Waldorf-Astoria, WTIC

Meyer Davis' La Paradis orchestra, WERF.

Meyer L WEEI Meyer Davis Swanee syncopators,

WRC
Hotel Pennsylvania orchestra, WJZ...
WOO orchestra (Robert E. Golden,
Director), WOO
Charlle Woodward's Gondoliers, WNAC
Meyer Davis' Hotel Biltmore orchestra, WLSI
Maxwell House orchestra, WJZ.
Whittal Anglo-Perseans, WEAF...
490
Jack Morey's Singing orch. WBZ...
488
Jack Meyer's Musical Architects,
WFAN
Joe Armbruster's orchestra, WMAK...
481 WFAN Joe Armbruster's orchestra, WMAK. Klefn's Sevenading Shoemakers, WJZ Art Coogan and his Dance orchestra, WIP

(Continued on page 20)

# WLAC Maintains Policy of Class and Dignity Outlined at First Birthday

Public Service, School of the Air, and Many Other Commendable Features Earn High Praise from Governor and Noted Guests



Public Service, School of the Air, and Many Other Commendable Features Earn High Praise from Governor and Noted Guests

On November 24, 1926, the Life and Casualty insurance company of Nashville dedicated its new Radio station. WLAC. In delivering the opening the company, expressed the wish that the Thritt School of the Air On dead and to an unending service at which the means which confron in the discount of the South. WLAC has now been operating four teem months, and has now been operating for the Casualty insurance company, it is serving as a medium to promote company, expressed the wish that the Thritt School of the Air of the company, expressed the wish now been operating four teem months, and has now been operating for the Casualty insurance company, it is serving as a medium to promote company and the company and t

# GETTING-UP EXERCISES CONDUCTED BY HUGH DOBBS STARTS DAY RIGHT



www.americanradiohistory.com

# Japanese Happy Under Radio Monopoly

Six Big Broadcasting Stations Operated by One Company Supply All Needs of Listeners—American Sets Used



ADIO has been having somewhat of a topsy-turry career in far-away Japan. For a while it went forward with a great rush. Then came a faltering slow-up, but now, according to the Radio Digest correspondent at JOAK, Tokyo, everybody is enthusiastic and broadcasting is more popular than ever.

Mr. K. Yutani, secretary at the Japanese consulate in Chicago, furnished Radio Digest with the following statement concerning the situation in his native country:

"Radio today is very widespread throughout Japan.

consulate in Chicago. furnished Radio Digest with the following statement concerning the situation in his native country:

"Radio today is very widespread throughout Japan.

"The receiving sets have been imported in large numbers from manufacturers in the United States and from Germany.

"The Japanese prefer simple sets which they can work easily and without too much mechanical adjustment for the Japanese are essentially a people devoted to reading and scholarly pursuits for recreation, rather than to mechanics. This is particularly true in the country districts where the simpler the set the more popular it is.

Manufacture in Japan

"Some factories in Japan, under Japanese ownership and supervision, are manufacture in Japan esse ownership and supervision, are manufactured in the parts are lumported from America, but this is because the Japanese admit the superiority of American-made parts of these types to the kind they produce themselves.

"There has been a tremendous demand for literature on Radio and many magazines on Radio have been started and are being published to meet the demand. Copies of these magazines may be obtained by writing to the Chamber of Commerce, Tokyo, seuding 50 cents American money for each copy desired. Translations of short articles requiring not more than 15 or 20 minutes to translate will be made free of charge by the Japanese consulates here! longer translations are charged for. "There are only six or seven large broadcasting stations in Japan situated in the principal cities like Tokyo, Osaka, Kobe, Nagasaki, Yokohama, and these stat

Studio,
Easéball has become a very popular span in Japan, and the wideawake director has his mike installed ready to convey the whole story, play by play, just as it is done in America at a world's series.



The right-hand photo shows a Nipponese Radio drama. Oh, yes, indeed, there is nothing slow about the little brown brother across the Paellie. Radio drama is said to be especially well done over there. Public Interest in this particular phase is said to be greater than it is in the United States. The Japanese are in genious in producing sound effects to go with the drama.

The lower scene shows an assembly at a That good to the state of the success of William Maedonald and the state of the state

The lower scene shows an assembly at a place described as "community singing," written on the back of the original picture. These community singers appear to lead the great Radio audience in popular and national airs.

national airs.

It's a 5,000-mile jaunt across the Pacific, and JOAK in its new studio only shoots a 1,000-watt wave. But the station has been heard as far west as Ohio, according to reports in the consul's office. William McDonald of Chula Vista counts on getting Japan about the same as the Chicago DX hunter counts on getting KFI in January. Other Californians have also tuned in this Oriental station. See page 17 for picture of Mme. Hana Shimozumi Iki, famous artist.

# Makes Fans Inquisitive

SCORES of letters have been received from interested DX fans who read of the success of William Macdonald at Chula Vista who has now logged over 650 Radio stations in 40 different countries.

"I have about 150 letters from stations in the United States stating mine was the first received."

in the United States stating mine was the first report they had on reception at the Pacific coast. These are low watt stations. These are low watt stations. Said Mr. Maedonald, "and include KGDJ, The watts, Cresco, lowa; WFBQ, 10 watts, Harrisburg, III., WDEL, 100 watts, Wilmington, Del.; WBBZ, 85 watts, Columbus, S. C., and CHML, 50 watts, Hamilton, Ont.

"Among the foreign stations I have verifications from Siberia, Australia, Japan, India, Russia, Poland, Norway, Sweden, and just this week I received verification of reception from LOO. Buenos Alres, for the broadcast of a chess game, the station playing music between the moves."

Macdonald is a true sportsman—amateur and not professional. He became

nterested in the DX game because of ill Interested in the DX game because of ill health that caused insomnia. He developed his own set and accessory devices. He has nothing to sell and advertises no hrand of any sort. He thanks the celebrated California atmospheric conditions in a modest way for his excellent record.

in a modest way for his excellent record. He says:

"To tune in broadcast stations over great distances, one's Radio set must be in a good location; that is, one must live in a district where signals come in clear and strong. I believe location has 90 per cent to do with bringing 'n programs from foreign countries, and that equipment counts for only 10 per cent."

The receiver Macdonald uses was especially constructed on the infradyne principle. Eleven tubes are used. The amplifying tubes are shielded in a single compartment. Macdonald himself constructed the set, but he disclaims any technical departures, and in this is substantiated by the several Radio engineers whose investigations of the records in reception he has facilitated in every way.

The set is "loaded down with varioneters," to use Macdonald's exact expression. This is to cut down the volume of all Inited States and the most powerful foreign stations, in order to minimize interference and the crowding out of the small transmitters in obscure and far-off corners of the world, the picking up of which is so dear to the heart of this broadcast listener.

Most Radio fans pay too little heed to the aerial and ground, Macdonald said, and continued:
"My aerial is a box-cross affair, without impeding insulators. It is about three

45.8

# STALLING TAKES GAB

STALLING TAKES GAB

(Continued from page 10)
preliminary, and stated that the ringside was buried beneath an avalanche of flying rumors that the fight was not to be fought. At this point I made a rapid survey of the situation. If I fell back upon the program director for musical entertainment, I incurred three possible perils: first, of killing the Radio fan's interest. He wanted to hear about the fight. Music he could get anywhere by a turn of the dial; second, it would benefit a rival station which was also broadcasting the fight—for in the event of an important bulletin, we would be compelled to wait until the conclusion of the musical selection. In this case, we would be scooped. Third, we could 'cut-in' on the music, in which case we might as well not have the music.

"My judgment was to play a 'lone hand' and take my chances. So then and there, I vowed before the 'mike' to stick with it until my voice gave out, and that's just exactly what I did. I asked the fans if they were with me. That one inquiry destroyed an entire morning edition of the paper, for it put all 'phones under the slege of thousands of fans who kept calling until I signed off; and with the 'phone service blocked, the morning's news was slim indeed. The night edition came up and begged me to ask the fans to stop calling.

"As for the fight itself, it was a flasco; and as the bulletins trickled in, it grew into a mighty farce. I signed off at 1:17½ a. m., c. s. t. In those 77½ minutes, I had received exactly 12 bulletins around which I built my broadcast. In other words, allowing 17¾ minutes for the reading of the 12 bulletins, I figured I had 'stalled' exactly one hour. I believe this is a world's record for individual stalling 'at the mike.'"

Undoubtedly, there is a "science of stalling and Konecky knows his science! "Stalling isn't just a matter of words," he says, "for you must find the right words. In addition to saying something, you must say something of interest."

The mood of the listener must be considered whether he is interes

that is where the announcer who cut off the opera in the midst of a chorus made a serious blunder.

# OPPOSE SENATE RADIO

(Continued from page 15)

(Continued from page 15) stallation in some of the more isolated localities, approximately 9,500 miles of leased wire would be required if the most direct routes could be covered. It is considered probable, however, that at least 2.500 miles would be added by utilizing wires now in existence rather than installing new ones. This total of 12,000 miles covers the major meintenance expenditure ling new ones. This total of 12,000 miles covers the major maintenance expenditure of \$600,000 annually. This expenditure it is impracticable to obviate at the present stage of the art, as the stations would be too far apart to allow of a sufficiently strong signal to be received at the next station. Also, for rebroadcasting the necessary number of channels could not be obtained in the present broadcast band without paralyzing existing broadcasting programs.

obtained in the present broadcast band without paralyzing existing broadcasting programs.

The power for these 23 stations aggregating 605 kilowatts output requires 2,420 kilowatts from commercial lines, or a total (at 4 cents per kilowatt-hour) would cost \$96.80 per hour of broadcasting, as broadcast transmitters are at the most 25 per cent efficient. With an average session of 5 hours daily 100 days per year, the annual power bill would approximate \$48,400. Tubes used have a life expectancy of 1,000 hours. The 23 transmitters would require a total of 6,000 tubes at an average cost of \$300. Each year would see the replacement of one-half the number of tubes at a cost of \$90,000.

Each station would require the services of two qualified engineers, or a total of 50 (discounting supervising personnel). The lowest possible salary for such men would be \$2,400 per year, or a total of \$120,000 per year for the system.

An annual depreciation of 10 per cent must be expected for radio stations, and will in some cases exceed that figure. At 10 per cent the annual depreciation which covers upkeep and appearance of buildings and towers and replacement of faulty or failing equipment would be approximately \$330,000.

Thus to supply a complete system your committee estimates an initial expenditure

Thus to supply a complete system your committee estimates an initial expenditure of \$3,300,000. For upkeep and maintenance the annual cost would approximate \$1,188,400.

# ORCHESTRA STANDINGS

(Continued from page 18)

Markel's orchestra, WJZ..... Ernie Andrew's troubadours, WBZ.... Leo Dreyer and his New York orchestra, WNAC.... Golden Dragon orchestra, WFAN.....

Joe Rines and his Elks Hotel orches-tra, WNAC Joe Rines and his First Hotel orenes-tra, WNAC 470
Waldorf-Astoria orchestra, WEEL 48
Bamberger's Little symphony, WORL 467
New York symbhony orchestra, WJZ 467

# SINGS IN THEATER **FANS APPLAUD HER**



THIS is dainty Josephine Borio, who entertained patrons of the Balaban & Katz theaters in Chicago recently and received her applause by mai from thousands of her Radio listeners who heard her over WMAQ, WEBH and WJJD.

Parker House orchestra, WEEL.....

Jacques Renard and his Cocoanut Grove orchestra, WNAC.....

Bay State Aces, WOR...... Eden Symphony orchestra, WFAN.....

Granadas, W.IZ

	Bancroft Hotel dance orch., WTAG Seville Troubadours, WOR	458
	Bancroft Hotel dance orch., WTAG	455
	Seville Troubadours, WOR	454
	Strand Ball Room orchestra, WFAN Al Friedman's orchestra, WJZ	452
	Al Friedman's orchestra, WJZ	452
	Continentals, WJZ	452
	Maynower Dance orchestra, WHN	451
	Leo Reisman and his Hotel Brunswick	
	orchestra, WNAC	451
	Villa Venice orchestra, WOR	450
	Jeddo Highlanders, WJZ	450
	Elwood Anderson and his orchestra,	
Ì	WFI	450
ı	Goodrich Zinner orchestra WEAE	436
	Goodrich Zipper orchestra, WEAF Hotel Ten Eyck orchestra, WGY Henderson's Roseland orchestra, WOR	415
ı	Henderson's Roseland orchestra WOR	413
ı		412
ı	Tennesseans, W.IZ	407
	Hotel Chelsea Concert orchestra WPG	399
	Tennesseans, WJZ Hotel Chelsea Concert orchestra, WPG Jardin Royale orchestra, WOR Bennie Gulch Rainbow orchestra, WKBO	387
	Bennie Gulch Rainbow orchestra	
ı	WKBO	385
ı	Hotel Burlington orchestra, WRC	385
	Atlantic City Casino dance orchestra,	000
I	WPG	385
ļ	Will Oakland's Chateau Willy	
١	Will Oakland's Chateau, WHN	384
١	Tueley Debusts and Min Section	382
I	Lucky Roberts and his Society enter-	000
Į	tainers, WGBS	382
ı	Wardman Park Hotel orchestra, WRC	380
I	Club Madrid orchestra, WFANCathay orchestra, WCAU	379
	Catnay orcnestra, WCAL	378
Į	Jimmie Gallagher and his orchestra,	
	W'NAC	370
i	Johnny Johnson and his Pennsyl- vanians, WTIC	
I	vanians, WTIC	368
I	Hotel Ambassador concert orchestra,	
ı	WPG	367
ı	Bob Fallon's orchestra, WEAF	355
ı	Adelphia Whispering orchestra, WFI	354
I	Peter Vitton Heart of the Berkshires orchestra, WHAZ	
	orchestra, WHAZ	347
į	Morcy Pearl and his orchestra, WNAC	334
ı	Newman orchestra, WLWL	333 327
ı	Dok and his Sinfaniana WYAG	326
ı	Club Madrid orchestra WCAII	325
ı	Van Surdam's Statler orchestra WCP	825
ı	Capital thauter orchestra, WTAC	325
I	Sorey's orchestra WEAE	325
J	Polar Bears, WNAC	319
1	Arcadia dance orchestra, WLSI	313
	Hotel Bond orchestra, WTIC	312
i	Van Surdam's Statler orchestra, WCAU Yan Surdam's Statler orchestra, WGR Capitol theater orchestra, WTAG Sorcy's orchestra, WEAF Polar Bears, WNAC Arcadia dance orchestra, WLSI Hotel Bond orchestra, WTC Dick Newcomb's orchestra, WBZ	308
	tra, WHN	307
	Dellwood Ballroom orchestra, WMAK	303
	Jerry Falvey and his orchestra, WRZ	303
ĺ	Seville Troubadours, WHN	302
ĺ	Seville Troubadours, WHN	300
I	Joe Rines and his Elks hotel orches-	
١	tra WEEL	300
ı	Hotel Statler orchestra, WBZ	300
	Hotel Statler orchestra, WBZ Bert Dolan's orchestra, WBZ	300
ı	Hanry Kalie and his Lide Venice or-	
	chestra, WEEI	198
ı	McEnelly's orchestra, WBZ	192
l	chestra, WEEI McEnelly's orchestra, WBZ Bernard Levitow's Commodore en- semble, WOR	
	semble, WOR	188
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	Capt. Warmack Buffalonians, WMAK	187
	Piccadilly orchestra, WCAU	183
	Chet Frost's Bostonions, WBZ	180
	Royal Peacock orchestra, WiiAS Hotel Bridgway orchestra, WTIC	$\frac{179}{174}$
	Champion Sparkers, WEAF	174
	Foot Penners orchestra WNAC	172
	Foot Peppers orchestra, WNACArmand Vecsey and Hotel Vanderbilt	
	string orchestra, WGBS	168
	New York Philharmonic orchestra,	100
	WOR	168
	** \$2.4.6 ***********************************	100
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	VV VV VV AITIE	IUdl

Parody Club orchestra, WOR Club St. Marks orchestra, WRC	165   163	
Kenther's El Patio dance orchestra,	i 63	
WTAG little symphony, WTAG	163	
WTAG little symphony, WTAG Snellenburg Salon orchestra, WCAU Cotton Club Dance orchestra, WHN., Perley Stevens orchestra, WNAC Roman Gardens orchestra, WNAC	153 152	
Perley Stevens orchestra, WNAC Roman Gardens orchestra, WNAC	151 151	
	151 150	
Benjamin Franklin orchestra, WIP Hotel Manger orchestra, WJZ	150	
Hotel Mayflower orchestra, WRC Fletcher Henderson's Roseland Dance	150	
orchestra, WHN	150 72	
Lon Vloyman and Ma	70	
WNAC	69	
aucdaes aucons Totel Suelfou sussin-	65	
ble, WORCampus Serenaders, WHAZ	64	
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Jannsen's Hofbrau orchestra, WEAF	53	
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Pepper Pot orchestra, WOR	49 48	ŀ
Reland Dance orchestra, WHN	26 19	
Happy Lewis and his Tunesmiths,		
WSYR Masonic Band, WPG Shepard Colonial Luncheon concert	18 18	
orchestra, W.NAC	18	
WBAL Dance orchestra, WBALVanderbilt hotel string ensemble,	16	
	15	
Sidney and his Hotel Mayflower or- chestra, WRC	15	
Calvary Philharmonic orchestra, WNAC WNAC WBAL Salon orchestra, WBAL George Hall's orchestra, WIZ	15	
WBAL Salon orchestra, WBAL	14 14	
Quackenbush orchestra, WHAZ	14	
WPAP	14	
Mediterraneans, WJZ Loew's New York theater orchestra,	11	
WHN Cities Service orchestra, WEAF	8 7	
dents Band, WHAZNew Departure orchestra, WTIC	7	
Jimmie Hooley's orchestra. WNAC		
WGY	7	
Durnam Radioliers, WCAU	6	
WBAL Dinner orchestra, WBAL Virginia Vetter's entertainers, WHAS	6	
Virginia Vetter's entertainers, WHAS Blue Hill's Plantation orch., WEAF Cathay concert orchestra, WFAN Sylvania Foresters, WIZ	6	
	5 5	
Hotel Van Curler orchestra, WGY Rensselaer Polytechnic Institute Stu-		
dents Symphony orchestra, WHAZ Hotel Traymore concert orchestra.	4	
Hotel Traymore concert orchestra. WPG Loew's 86th Street theatre orchestra. WHN Irving Spectors Rhode Islanders, WEAN	4	
WHNIrving Spectors Rhode Islanders.	4	
WEANPremier dance orchestra, WOR	4	
Eastman orchestra, WMAK	4	
Andy Orefice and orchestra, WCGU Hotel Astor orchestra, WJZ	4 4	
Metropolitan Grand orchestra, WNAC Tonimy Gott's Silver Slipper orches- tra, WHN	3	
tra, WHNVenetian Gondoliers, WJZ	3 3	
rox Theater Symphony orchestra.	3	
WRC		ĺ
South Sea Islanders, WBRL	3 3	
Geo. Maddens Delawareans, WDEL Homesteaders, WHAM	3 2	
Municipal Band of Baltimore, WBAL Trojan Ice Cream Health Crusaders.	2	
WHAZ	2	
La Touraine Coffee concert orchestra. WEEI	1	
Strawbridge & Clothier Tea Room En- semble, WFI	1	
Sunar-Oil Heater orchestra WTIC	1	
Maid-Rite orchestra, WOR	1 1	
Tångaerd's Bluebirds, WIBS	1	
DISTRICT NO. 2—SOUTH	1	
Comprising: Virginia, West Virgi North and South Carolina, Georgia, F ida, Louisiana, Mississippi, Alaba	nia,	
Chas. Dornberger's orchestra, KTHS1	,040	
Andrew Jackson Hotel orch WSM1 Kentucky Hotel orchestra, WHAS	,016 901	
Tennessee Collegians, WLAC	770 752	
Nick Rose and his Revellers, WLAC	652	
Chas. Dornberger's orchestra, KTHS1 Andrew Jackson Hotel orch. WSM1 Kentucky Hotel orchestra, WHAS Tennessee Collegians, WLAC Ruby Brown and his orchestra, WSB Nick Rose and his Revellers, WLAC Dixola Novelty orchestra, WSB Cock-a-Doodle-Do orchestra, KTHS Majestic Club orchestra, WRVA Hotel Richmond orchestra, WRVA Bob Stark's Tennesseeans, WSV	507	
Majestic Club orchestra, WRVA Hotel Richmond orchestra, WRVA	503 394	
Bob Stark's Tennesseeans, WSM Hal Kemp and his Recording orches-		
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Mack Davis' orchestra, WSB	325	
Orin Gaston and his orch., WLAC Joe Clutz' Cavaller Hotel orch., WSEA	332 167	
Virginians orchestra, WRVA Rainbow orchestra, WCOA	151 150	
WDAG Radio orchestra, WDAG Enrico Leide's orchestra, WSB	53 52	
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let Guards, WFLA	35	

February, 19
Kenilworth orchestra, WWNC
Texaco Salon orchestra, WDOD
Banker's Bond company orch., WHAS
Ray Miller and his orchestra, KTHS.,
Miami Biltmore orchestra, WQAM
Hardy Brothers orchestra, WRVA
Municipal Pier Caslno orch., WFLA
Bedouins orchestra, WRVA
U. of Arkansas orchestra, KUOA
WDAG Symphony orchestra, WDAG
Sears-Roebuck instrumentalists, WSB
Dreamland, WMC
Maynard Baird's Southland Sere-
naders, WNOX
DISTRICT NO. 3-MIDDLE WEST
Comprising: Ohio, Indiana, Illin
Michigan, Wisconsin, Minnesota, Iowa
Missouri.
Paul Christensen's orchestra, WHO19.
Maurie Sherman's orchestra, WLS 3
Chief Razzberry's orchestra, KOIL 1
Crosley Cossacks, WLW 1.
WENR Studio orchestra, WENR
End Homes's Wester and Wittell

ois, and 093 Fred Hamm's Victor orch., WLIP..... Kansas City Nighthawks, WDAF.... Dell Lampe, WOK..... Ted Fiorito and his orchestra, WSAI Kentucky Serenaders, KYW.... 883 840 549 Paul Ash's Merry Mad Musical Gang, 501 NCKINNEY'S COUTON PICKETS, WJR...
Verne Buck'S Fifteen Piece orchestra, WIBO...
Fred Murrell's orchestra, KFEQ...
Hotel Winton concert orch, WHK...
Stevens Hotel orchestra, WMAQ...
Bandbox Boys, WI.W...
Bobby Mecker's Drake Hotel orchestra, W.IJB...
Gerald Marks orchestra, WGHP...
Jean Goldkette's Blue Room orchestra, WJR...
Jean Hammond's Elks Club Tune Tinkers, WTMJ...
Sammy Watkins' Claremont Tent orchestra, WHK.
Ben Pollack's orchestra, WBBM...
Jesse Boone, KWUC...
Dan Russo's orchestra, WWJ...
Jack Chapman's LaSalle Hotel orchestra, WMAQ...
Sweeney syncopators, WHB...
Earl Hoffman's Chez Pierre orchestra, WGFL...
Ray Miller and his Brunswick Recording orchestra, WSAI...
Trianon orchestra, WMBB...
Ed Day's Bedford Glens orch, WHK
Dick Long's orchestra, WCCO...
Edgewater Beach hotel orch, WEBH
Wesley Barlow's orchestra, WCCO...
Crystal Slipper Ballroom orch, WHK
Paul Howell and his Playboys, WADC
The Ramblers, WOS...
Hotel Cleveland orchestra, WTAM...
Charles Fitz-Gerald's Rhythm Kings,
WJR... 449 485 457 451 374 330 328 326 316 267 224 201 199

 $\frac{150}{150}$ 150

150 150

150 98 87

7 7 6

(Continued on page 33)

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# Simple Explanation of Broadcasting

# Part III-Very Little Has Been Learned as to What a Radio Wave Is But Much Has Been Observed on What It Does

In last month's article we took up the generation of Radlo waves by banks of large tubes, controlled as to the length of the wave generated by very small ones, and on whose wave we impressed voice or music by means of another bank of tubes called "modulators." Which brings us to the point where the waves of one station are hurled off into space to bring entertainment to hundreds of thousands—even millions—of people.

Where do they go? What finally becomes of them? How are they propagated through space? What are they, in fact? That is something that you know almost as much about as the most learned scientist. Considering the tremendous use to which we put these Radio waves every day, the vast sums of money spent for Radio sets and accessories every year, and the amount paid for advertising carried on these waves, our ignorance as to the Radio wave itself is indeed surprising.

Radio Energy Mysterions

# Radio Energy Mysterions

Radio Energy Mysterions
We have learned quite a good deal as to
the operation of apparatus for sending out
Radio waves, and we have on the market
some really wonderful equipment with
which anyone can listen-in, but as to what
happens to Radio energy in the interval
between the transmitting antenna and reception on your aerial, practically nothing
is known. During the past twenty years
or so, engineers have, naturally, accumulated quite a fund of knowledge on how to
handle these waves, and much data has
been gathered, which, in turn, has given

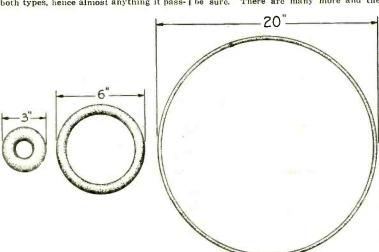
or so, engineers have, naturally, accumulated quite a fund of knowledge on how to handle these waves, and much data has been gathered, which, in turn, has given rise to many theories on Radio waves—some very sound and plausible, others not so good and later proven impossible in the light of new discoveries. That which is definitely known is most interesting and will be presented here.

We know, first of all, that Radio waves get weaker as they get away from the station transmitting them. The doughnut, with which we are all familiar, makes a good item on which to show why this is. The doughnut is, we'll say, three inches across the outside and the thickness of the ring at any point is, perhaps, one inch (see Figure 9). Using the same amount of material, imagine that we can increase the total outside diameter to six inches. The thickness of our ring will now have to be considerably less than one inch. Still using but the same amount of mate-

By Marvin W. Thompson

for Radio energy, and all conductors that stick up in the air would weaken the wave.

Waves Pass Through Us
There is much data to show that a Radio wave is composed of characteristics of both types, hence almost anything it pass-



es over or through would weaken it. So far there is nothing to prove that it does not go on forever. It is most interesting to stop and consider that right at this moment you have the waves of American "jazz," a talk on English politics, a South American speech in Spanish and a Chinese love song passing through you (see figure 10). If your body were but a detector what a riot of music and languages you'd turn out to be! Practically all the waves of all the stations on earth are passing through you—unnoticed, unseen, unheard and unfelt. Since it has been practically proven that we ourselves are vibrations, and since we know that Radio waves are vibrations, it seems strange that we do not respond in some

aurora borealls is suspected as one very likely source.

The question is invariably asked, "Well, cannot someone invent a way of getting rid of static?" Thousands of someones are seeking the solution all the time because a fortune, both hummediate and enormous, awaits the man who finds it. The difficulty can best be shown by citing a machine gun and a shot gun. Let us say that we have three machine guns, each shooting a steady stream of builets in the same direction but about five feet apart. Our target is movable and, if we do not wish to have it in the stream of gun number one, we move it into the stream of number two or number three. We can have the stream of builets from any one of the three guns going through our target.

Static Like a Shotgun

Static Like a Shotgun

Static Like a Shotgun

If now, just above the center gun, there is someone firing a shotgun every few minutes, slugs from nearly every shell are going to hit our target. We've got to keep within a limited area to be in the stream of one of the machine guns and so cannot avoid the scattering shot of the shotgun (see figure 11).

Getting back to Radio, the machine guns are our broadcast stations, our receiver is the target and static is the shotgun. We can move our receiver-target into any stream of wave-bullets we wish but cannot lose the scattering volleys of static. For static knows no wavelength, it doesn't occur in a steady stream, like machine gun bullers; there are waves, but on many wave lengths, and one cannot tune it out. Static is found on the lowest of low wave lengths used by the amateurs, on the long waves for transoceanic press and message services, and on everything in between.

and message services, and on everything in between.

Like the shotgun slugs, static has a limited range. That is why you do not get all the static generated all over the world. Waves of static, being Radio in character, die out, and with a given amount of energy at the start, do not carry as far as does a pure broadcast wave of the same initial energy. That is most fortunate. That is why, when you have a powerful station coming in, and you can cut down your sensitivity, you get very little static. The broadcast wave is coming in so strong

that you can cut down the range over which you receive energy of a given start-ing value and hence eliminate all the static not started from very close at hand.

mater you can cut down the range over which you receive energy of a given starting value and hence eliminate all the static not started from very close at hand.

Fading Is Yet Unsolved

Another phenomena which the listener soon finds is called "fading." This is another characteristic of Radio which many years of observation and tests has failed to solve. You have a station, usually a distant one nicely tuned in, when it either gradually or suddenly dies away only to come back if the dials are let alone. This it may do quite regularly in cycles of a few mlnutes or perhaps half an hour. Then again this fading out may not be even. Two receivers may be installed within a few hundred feet of each other exactly alike as to every feature, and including sensitivity, then tuned to the same station—and they may not record the same fading. Yes, there is much to be learned about Radio. Recent tests by the Bureau of Standards and a number of co-operating laboratories and observers have brought to light several facts relative to fading but not much as to its cause or cure. A station between 60 and 125 miles away is apt to show more fading than are others. A special type of highly regular fading makes itself noticed between 15 and 45 minutes after sunset.

There is, about 60 miles above the earth's surface, a layer of atmosphere which is different in its make-up from that closer to us, which we have chosen to call the Kennelly-Heavyside layer—these being the names of the two men who have made the most important discoveries regarding it. That there is both reflection from it, and absorption by it, of Radio wave is broadcast, part of it travels upward at a slant and is reflected from this Heavyside layer. That fading which occurs on reception from stations less than 125 miles away, and swings in and out every few seconds, Is considered due to interference between the ground following wave and the reflected wave. That fading which occurs in reception by this layer. As to why it reflects or absorbs in varying cycles or a varying

reatest laboratories.

The speed of Radio waves is the same as that of light waves, which have been measured and found to travel at about 187,000 miles per second. That is 7½ times around the earth between ticks of the clock—difficult to comprehend because of man's inability, so far, to do better than 300 miles an hour, but fact just the same. One must remember that it is wave motion, which was explained in the first article, that travels through space and not solid substance as we know it. There is no friction or air resistance, no gravity pull or other obstacles to man-travel to be overcome.

What Is Receiving Range?

What Is Receiving Range?

What Is Receiving Range?

Now as to why you can and cannot receive certain stations either regularly or not at all. On an average night, we'll say the range (?) of a station is 500 miles. If your range is 500 miles and you are about that distance from the station, you'll get it. If your range is less than that, you won't. Now range is a relative proposition. Ferhaps you, with your five-tube set, cannot hear that broadcaster, yet another chap with an eight-tube set, living next door, gets him fine. You'd say that station's range was not 500 miles; your neighbor would say it was. It becomes evident at once that a station's range must be said to be 500 miles for receivers of a given sensitivity. And as yet no unit of measurement of sensitivity has been devised.

(Continued on page 36)

(Continued on page 36)



rial, we increase the diameter to twenty inches: the thickness of our ring will be pretty small—just about the size of a heavy piece of string.

pretty small—just about the size of a heavy piece of string.

Wave Like Doughnut

Just so with Radio energy. When first started traveling in all directions from the broadcasting antenna and ground system, it is strong; there may be enough, in the case of large stations, to light a large building. As this energy moves outward, it must be spread around a larger and larger circle and the amount at any one point gets smaller and smaller. By the time a wave has passed half way around the earth it is in the form of a ring 25,000 miles around. It would seem at first thought that all this energy would come together at a point on the opposite side of the globe and be very powerful there.

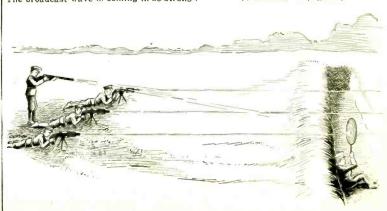
This does not happen, however, and what happens to the waves is still a mystery. Presumably, also, much of it is absorbed by certain formations in the earth which it goes over or through. There are many who believe it has qualities similar to the magnetism around a horseshoe magnet with which we've all played as youngsiers, in which case our Radio wave would he weakened by fields of iron ore, steel buildings, and the field and poles of the carth. Others contend that its properties are those of a condenser, and a condenser need consist only of two metal plates separated ever so slightly and to which we connect wires from a source of some of its is decided or corroded, a Radio wave is started to the magnetism around a horseshoe magnet with which we've all played as youngsiers, in which case our Radio wave would he weakened by fields of iron ore, steel buildings, and the field and poles of the carth. Others contend that its properties are those of a condenser, and a condenser meed consist only of two metal plates separated ever so slightly and to which we connect wires from a source of current. If this contention is correct, our Radio wave would lose energy passing over forests and jungles where great masses of damper and lose energy passing over forests and jungles where great masses of damper and lose energy passing over forests and jun

way to these thousands and thousands of waves going through us all the time.

waves going through us all the time.

We have, in connection with Radio reception, the undesirable phenomena known as "static." The source of some of it is known, since some of it is man-made, but the cause and source of a great deal of static is still a mystery. Static is that irregular crackling or series of intermittent crashes that mar long distance reception but which is not particularly noticeable on local reception. Man-made static is the result of defective or poorly designed electrical equipment of practically every type made. We design our electrical equipment to be as efficient as possible, to use every bit of electrical energy generated except that necessary to overcome the resistance of the wires carrying it.

Electrical Trouble Means Static



# Radio Digest

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Pebruary, 1928

Get Ready Another Doorn

OUT of Russia into free America has come a curse. There sits in the city by the sea a man, suddenly exalted, dreaming dreams of conquest, of bags of gold—and power. I'ower behind the throne. I'ower that controls all. Power of the invisible forces that pulsate over webs of wire and through the free air, setting the expressions of governments and men. Thus, Honorable Senators of the United States, you have a picture of what is wrong with Radio and broadcasting.

The Radio Corporation of America hiding behind the stars and stripes has killed the Federal Trade Commission investigation of Radio monopoly. It has hand picked the Radio commission and through this hand picked the Radio commission and through this control monopolizes, with its associates, practically all the choice broadcasting bands. It is blocking now the attempt of other commercial interests and the press to use the lower waves for overland communication. It owns fifty per cent of the National Broadcasting company stock and controls this camouflage corporation, by thirty and twenty per cent with General Electric and Westinghouse—thus monopolizing the only nationwide forum for public utterance.

By a campaign of sabotage against independent By a campaign of sabotage against independent Radio receiver manufacturers and distributors, this octopus has secured a death hold on the sale of sets through alleged ownership of patents. It is sucking the life blood of the independents with prohibitive royalties and with the notorious and nauseous tube rider of its royalty contracts. rider of its royalty contracts.

If the Radio industry and broadcasting are to be free for the American people, senatorial action is immediately imperative. The situation demands a complete and exhaustive investigation of the Radio Corporation of America by the United States Senate.

WHAT is an artist?

When is an artist not an artist?

The questions arise because charming Miss Natalie Giddings of the Crosley organization informs us that Mr. Powel Crosley. Jr., has expressed an opinion and issued certain instructions concerning the matter. Quoting Mr. Crosley she writes to the editor:

"What makes you all think that everyone who does any broadcasting is an artist? Please be more careful in the indiscriminate use of the word. Call them Radio entertainers, Radio comedians, soloists, organists, planist, performers, or anything you want to except 'artist'—when they cannot by any stretch of the imagination be that."

Turning to our old friend Noah Webster in his latest

Turning to our old friend Noah Webster in his latest unabridged we find the following five definitions for the word artist."

- 1. A master of liberal arts; a learned man, also a man of science, whether student or tractitioner.
- 2. One who practices some mechanic art or craft; an
- artisan. 3. One who professes and practices an art in which imagination and taste preside over the execution, especially a fine art; a person skilled in one of the fine arts.
- 4. One who shows trained skill or rare taste in any manual art or occupation.
- 5. An artful person, a schemer.

Dodge, Brothers, dodge. The king ('s fool) can do no wrong. However, he'd better get acquainfed with Al Smith.

"As sung by the Columbia Phonograph company, New York and Paris." It is still "identifying" itself.

Free speech-by courtesy of the National Broadcasting company.

Leaving the heir: "My boy, honesty is truth ad



# THE READER'S VIEW

# Disabled Soldier Doubts

N YOUR column in Radio Digest for January I notice IN YOUR column in Radio Digest for January I notice that you are rather pulling for the chain programs on one wave band. Do you honestly believe that putting all the chain stations on one wave band would work? I don't; not any more than has already been shown that a bunch of stations can broadcast on the same wave without interference. There might be some places in the United States where the federal Radio commission has cleared up the air so people can enjoy good reception, but if any one will come to my home I will show that there are only three points where I can get reception clear from interference. I am only a disabled soldier lying here in bed who uses a Radio seven days and seven nights a week. My technical knowledge of Radio is slight, but if it is true that twenty to fifty stations can be put on one wave, why hasn't it been demonstrated?

Probably some favoritism has been shown and a lot of

Probably some favoritism has been shown and a lot of power given to some stations at the expense of others. It makes little difference to us. We seldom hear WGY, MJZ and WEAP, anyway. Those who have high priced selective sets may profit from it, but personally I haven't one and can't get one, and it is we with the older sets who are limited to a very few of the nearest stations. One broadcaster says members of the commission listen to the money stations because they want to hold their \$10,000 a year jobs—just show me the guy who wouldn't, he or anyone else. This same broadcaster recommends a farm labor man, a labor union man and repressed public man to be on the Radio commission. All right, suppose this station is a farm station, then the farm labor commissioner will see that he gets 10,000 watts. Or suppose it is the labor station, then the labor union commissioner will see that he gets 10,000 watts, and some of the other stations eliminated from its vicinity. Of course, that wouldn't be favoritism. Then we will come to the station representing the repressed public. What will it get? It will get it in the neck. I have seen all that worked out before. OSCAR DUNCAN, Probably some favoritism has been shown and a lot of

# Troubles of Missoula

Troubles of Missoula

I HAVE been reading with interest the different articles written and published in the Digest about the Radde commission and its faults, and having troubles of my own feel that, if for no other purpose than to get this off my mind, I should at least air the trouble we have in Missoula, Mont.

We are not as lucky as the average fan in that we have no local stations other than KUOM at the State University at Missoula and must go a long way for our entertainment, and in doing so must have long range receivers; that is, as long range as we can afford. Results are: Squeals and whistles and two stations at once, one trying to talk and one trying to sing or do some other form of comedy until we push the switch and go to bed with a grouch that won't wear off, and all because we have too many stations on the air at one time.

do some other form of comedy until we push the switch and go to bed with a grouch that won't wear off, and all because we have too many stations on the air at one time.

It is useless to make allowance for power, a 200-watt station will come in as strong as a 2,000-watt when it is hitting right and the 2,000-watt is coming weak, so that idea is all wrong. As an example, on December 3 at 7:10 P. M. I was getting WNBA at Forest Park, Ill., when I could not get KJR in Seattle, the former listed as a 200-watt station and the latter 2,500, the weak station coming 1,500 miles and the strong station coming 500 miles. So from my personal observations I am satisfied in my own mind the theory is wrong and that the 200-watt station would have caused a squeal on the same wave length with the 2,500-watt station, and three times the distance away. How then will the commission clear the air and leave all the stations on at the same time? It cannot be done.

Following is a list of good stations that come in here that are of no use to the listener under the present conditions:

KMTR-KYW, KFI-WOS, KPO-WSUI, KHJ-WCCO, KWKH-KMA-KTW, WMMJ-WGY, WEW-WOC, KJR-KVOO, WPSN-KDKA, KFAB-KYA, KFWO-KOWW-KMOX, KOIL-KTCL, not mentioning the stations I used to get that I cannot get now, such as WENR, WOK, WORD, KYW, WEAF, and I could mention many more from old logs that are never heard now. The Radio commission cannot clear the air with the number of stations on the air now and could not do so if they cut them all to 50-watt stations, so why continue the agony. Personally I use a crystal set for coast stations and then get some central station for dessert or sandwiched into the program somewhere.

Fading has become general, not on account of natural causes, but from one station crowding the other out of the air. A station will be coming strong and clear and in a second will fade out and you may hear faintly another station on the same wave length that has overcome the former station and soon the other will come back, they alternate and you get a

IT HAS been a great surprise to me to see my favorite authority in Radio broadcast, and a magazine which I use almost exclusively for authentic information, allowing a man of real socialistic Radio views like L. S. J. Cranse to attack one of our best loved broadcasters and a pioneer in the field of Radio as he has done Major Mott in the December issue of your magazine. In the October issue Mr. Cranse took a hot whack at the federal Radio commission, and our peppery Major Mott replied to him in a nice way although he said some things that, in my opinion, Mr. C. had coming to him.

CHET. G. WOOD,

# "We Did It!"



# RADIO INDI-GEST

# Go On, Brother

By Alex. C. D. Noe

Health all gone and wealth all gone, But what is that to a fighter? irn your big guns loose, put your war paint on And screw up your courage tighter.

Wealth all gone and health all gone, But we're betting on you still, Shoot the engine juice, give a whoop, d And your wagon will climb the hill.

Health all gone and wealth all gone,
But a man isn't down till he's dead,
Face the waves mile high, clamp the hatches on
And shout, "Full speed ahead!"

Stand at the bat, do your level best,
Till the last great game and inning,
Get a grip on the stick, knock the ball out West
And come in home for the winning.

Oh, the GRAND STAND cheers and the BIG BANDS

when you've fought to the finish, Pard,
And we'll all greet you with a HIP HURRAH!!!

If you buck up and buck up hard.

Veryl Wins Royal Bean

HO! Ho! Ah-yah! Ah-yah! Come hither Roscoe, Suh!
Take you this key of gold and descend into the subterranean treasury where repose the crown jelly beans of the realm. Call the most faithful of the guards and penetrate to the innermost chamber. Out of the Royal vault see to it that you choose the bluest of translucent jelly beans, sheathe it in eiderdown and send in a jeweled casket to Veryl L. Dunhar, the Young Bear reporter of Fairfield, Ia. For verily he wins the Royal Word Steeplechase this day.

The course over which many stumbled and failed was as follows:

Circuit Unit Eliminator

Unit
Eliminator
Ampere
Static

I read with interest your column in Radio Digest, and decided to participate in the 50th Word Steeplechase, so here it is:

"Sir, cut off about 3 lbs. of your best wool yarn, as I must do some knitting," said I to the shopkeeper. "Do you knit?" inquired the shopkeeper. "Do I? Well, I'll say, I won the First Annual long distance Radio Knitting Contest, held over the Radio station in Podunkus Ridge last week," I told him. "Old lady Doolittle was my near-est competitor, but it only took me 78 minutes and 29 seconds to eliminate Her from the contest.

"The prizes were sure nice; for first prize I received a box of dried prunes, an' pair of shoes, which were donated by the business men of Podunkus Ridge.

"The best part of the whole affair was the fact that each entry was supposed to pay an entrance fee of \$5.00, and as I had no money I told them to just put it 'on tick' till I got the cash, which they agreed to do, but since they sent me the prize anyway, and since I don't have the money either, the entrance fee can stay 'tick' as far as I'm concerned!"

Of course, that "an' pair" may not be considered generally good for "ampere" but who knows but what it is perfectly good—Iowaese and usage governs style.

All set for the next course: Are you ready? Shoot!

Radio Itch has been diagnosed as the strange malady afflicting

Radio Itch has been diagnosed as the strange malady afflicting residents near Chicago steel mills. Maybe so. Maybe so. But bathing has been a nuisance in that vicinity because of tainted water.

-INDI

# MAC, MARATHON SINGER OF KFRC AND PIANIST AID



# HOME TELEVISION

(Continued from page 5)

"Television will supplement and not replace the modern Radio receiver," said one of the officials of the R. C. A. "Broadcasting of television will develop along lines of the present audible broadcasting. Visual broadcasting will mean a vast expansion of the Radio field, a larger growth and adaptation of the theatrical production. and adaptation of the theatrical produc-tions. It will bring the speaking movies to the home and thereby evolve a new art."

and adaptation of the theatreal productions. It will bring the speaking movies to the home and thereby evolve a new art."

New High Speed Lamp

D. McFarlan Moore, eigineer at the Edison Lamp works, developed the new Moore neon gas lamp used in the Alexanderson television receiver. The light has a pinkish tinge and is capable of flicking on and off in the millionth part of a second. The signal, or electro-magnetic wave from the television transmitter, is received in equipment designed to receive modulations as high as 40.000 cycles. The current is delivered to the Moore lamp which responds with the pulsating light intensities in the same manner as a loud speaker diaphragm reproduces sound waves.

The human eye and car function at approximately the same ratio. We have a low continuity of sound at 16 beats a second. Images changing on a screen at the rate of 16 per second have a continuity of action—the passing image remains in the conscious eye while the approaching image is already on the screen. There is a disk used in television which is 24 inches in diameter and is punctured by 48 holes—each hole 35 mils in diameter. The holes are arranged in a spiral. The disk is revolved by motor at 18 revolutions per second. At this speed by the light of the sensitive Moore lamp a beam passes through a photo electric cell which converts the light to electric waves. These waves are picked up by the receiver and reissued through the same kind of a disk and lamp, reproducing the original scene on a three inch screen in the front of the receiver.

# BROTHER BOB

(Continued from page 10)

they are not forgotten at WEEL and incidentally by the many thousands of lisdentally by the many thousands of lis-teners who keep that station regularly in

Nor are the lighthouse keepers forgotten Nor are the lighthouse keepers forgotten as they keep their lonely vigils out on lonely points amid the moody waves of the sca. There was little for them to see or hear in the way of entertainment until Radio receivers and broadcasting became available. Now they not only have their own special program at the behest of Brother Bob but they write a weekly letter to all their twenty-seven connades in the to all their twenty-seven contrades in the string along the coast. These letters are all broadcast and thus each station is kept in intimate touch with all that is going on so far as the lighthouse service is concerned.

cerned.
Yes, Brother Bob has a lot of work brothering all the people he has brought into his WEEI family but he seems to manage it very well. If he should decide to run for President of the United States he would get the junior vote one hundred per cent

DR. HERMAN N. BUNDESEN, for five years head of the Chicago health department, has been engaged by the Chicago Daily News to carry on his health program by brondcasts over WMAQ. Dr. Eundesen reduced the Chicago death rate to the lowest of any large American city. Not long ago in recognition of his remarkable record he was elected head of the American Public Health association. His growing influence and broad recognition as an efficient administrator alarmed the new Thompson political regime in Chicago and Dr. Bundesen was removed without notice to private life. He was immediately engaged as health editor for the Daily News, and advisor for the sanitary District of Chicago. This board governs the sanitary area of Chicago and forty-nine other incorporated cities and villages.

A STATISTICALLY inclined member of the staff of KFRC has figured that Mac has used a total of a half mile of guitar strings in his time and has sung 12,615 times. On this basis KFRC lassiad to claim a "vocal chord durability" record for Mac. Not many months ago Mac decided to be in vogue at the time non-stop flights were popular. He sang steadily for over two hours during which he broadcast more than 75 songs, from memory. Hazel McDaniels, staff pianist of KFRC, stayed with Mac in his contest, thereby showing that being a veteran of the air means something.

Sometime soon Mac is going to have another contest because he claims to have stored away in his brain 300 songs which he can bring forth intact at any time. These songs he has collected during his nomadic career.

These songs he has collected during his nomadic career.

Leaving home to carry water for elephants, Mac enlisted in the Spanish-American war, joined the gold-hungry trek to Klondike, where he was a buddy of Rex Beach; stoked his way from the Philippines to England to see the coronation ceremonies of King Edward, and tried being a brakenian on most of the railroads west of the Mississiphi. west of the Mississippi.

Two and a half years ago he joined the KFRC staff, where he entertains the children, incidentally grownups, with his stories and songs.

# MARINE MAIL LADY KOMO ENTERTAINER

HOODS Canal, a jagged arm of Puget Sound, is dotted with tiny settlements whose mail delivery depends upon this lovely KOMO singer, Alice Emel. Operating from Coyle. Washington, near the center of the canal, she has a contract for delivering mail at these various points each day, rain or shine, storm or calm, in her tiny motor boat. She carries along a portable Radio set for company.

This little portable lead her into Radio work. Her letter of appreciation for KOMO's programs came to the attention of Mr. Lynch who recognized her as one of the participants in the "Wayfarer," the musical pageant which he had directed in the University of Washington stadium. He immediately invited her to visit the station and try out before KOMO's microphone. Her Radio appearance was a success, but she refused to give up her mail route. However, a compromise was effected and Miss Emel has agreed to broadcast during weekends.

L. S. J. Cranse, Summit, N. J. reports that he logged 72 DX stations from 5.04 p. m., the night of November 25, to 2.27 a. m. The grand average for distance was a. m. The g 1.000 miles 1.000 miles. The log shows the precise moment he heard the call letters of each

Eddie and Fannie Cavanaugh, KYW Gaelic Twins, have introduced a "Song Cycle" which goes on the air at 10 every

# SHORT WAVES By Marcella (Continued from page 2)

(Continued from page 2)

Mary dear, you certainly got me in Dutch with Adams Colhoun asking me to find out all about him. He calls me "Ether Impressario, Queen of the Inquisitive Where English is Unspeakable" etc. Now what do you think of that? Here's what he writes. "You have been kind enough to say that somebody is sufficiently concerned about me to ask what church I go to. The answer is "I—0." (I Bar None, But I did not fail to put the bar low.) My religious and philosophic creed contains five words in two sentences from the Bible—"God is Love"; "Jesus Wept." To me, these mean "Love is everything and comes only with suffering." I lest this seein gloomy, let me hasten to add that I judge that suffering is mot the penalty of love, but that love is the wonderful fruit of suffering. No church creed in its entirety appeals to me. All have much that I believe and much more that I do not accept. I am a member of the Presbyterian Church in the United States. Now, may I ask, with apologies to The Two Black Crows, why bring that up? Men and women are not worth while for what they believe but for what they do with it. Idle is built of four initials, I Do Little Enough. And that is the sorriest word on our tongue. My religion, if any, is to be busy; usefully, if possible." Thanks, Adams dear. I am sure Mary should be satisfied. And this ought to uplift the column.

Dear Mr. Rathdrum, Idaho, I think it was lovely of you to write me and I did everything possible to find out where our old friend. Harry Snodgrass, is but with no success. I called the Orpheum Circuit and discovered his tour ended last spring. They gave me a Kansas address but my letter came back. Let's hope Harry sees this paragraph and lets us know where he is. I'd like to know what happened to Mr. Witten, too, wouldn't you?

Oscar Heather is a dear, Mrs. Danbury, Oscar Heather is a dear, Mrs. Danbury, Conn., and at the present time he is taking care of the microphone of WBCN. He is tall and jolly looking and has such a pleasant voice and such a nice way with him. He is not married that I know of. But I won't commit myself on these men any more.
(Continued on page 34)

# GABRIEL'S CHOICE

(Continued from page 9)

(Continued from page 9)
from the angle of showmanship, is as ambitious or successful as it is in the Middle West and the East at this date, is a matter for speculation. Certainly, a program that costs \$1,250 the hour for talent alone—as is being presented weekly hereabouts—not to mention many and many an 'hour' that pays \$250 to \$750 an hour to those taking part, cannot be far behind eastern programs in caliber.

In casting a more or less astigmatic eye over the broadcasting activities across the nation, I cannot refrain from setting down an insignificant truism I conceive, to the effect that the Radio audience here and in the East is not the same, reckon it how you will. Again we arrive at statistics, reminding me, in passing of the observations of the manager of a huge bachelor hotel in Chicago who had formerly conducted a similar enterprise in New York. Among other interesting datum, he declared, the Western man was almost certain to raise the deuce of a row if he (Continued on page 35)

(Continued on page 35)



THE only seagoing lady mail carrier in the United States, if not in the world, is Alice Emel, above. She also has the distinction of being one of KOMO's popu-lar songsters.

# DAMROSCH TO EXPERIMENT WITH ED

# HIGH LIGHTS OF THE AIR

HOW music developed into what it is today is being told in a series of informal musically illustrated talks by Don Malin in the short course in music which is a part of the Homemakers' hour at WLS on Wednesday afternoons at 3 o'clock. February 1, Mr. Malin discusses "Music in the Days of Louis XIV." and February 8, "flow Music Grew in Germany."

Nashville will show what it can do

hays of Louis XIV." and February 8.

"How Music Grew in Germany."

Nashville will show what it can do
Thursday evening, February 2, at
9. m. Central time, when the Nashville Chamber of Commerce sponsors
a program which will be given by the
hest artists in the Tennessee city.

February 3 is an important date in
the life of Radio station WCOA.
This Florida broadcaster is two years
old and expects to celebrate with a
gala program. Commissioner Sykes
and Governor Martin of Florida are
among the guests who will speak
before the microphone.

KPO'S late Monday night feature,
the Variety hour, has been considerably enlivened by the addition of the
well known black face comedy team,
Munroe and Arnold. These two laugh
producers have been off the air for

producers have been off the air for nearly a year, and their return has been heralded agreeably by fans.

WEDNESDAY, FEBRUARY 1 Headliners | TeauTille | Central | Mountain | Pacific | Si20 p. m | 2:20 | 1:20 | 1:20 | 1:20 | 1:20 | 1:20 | 1:20 | 1:20 | 1:20 | 1:20 | 1:20 | 1:20 | 1:20 | 1:20 | 1:20 | 1:20 | 1:20 | 1:20 | 1:20 | 1:20 | 1:20 | 1:20 | 1:20 | 1:20 | 1:20 | 1:20 | 1:20 | 1:20 | 1:20 | 1:20 | 1:20 | 1:20 | 1:20 | 1:20 | 1:20 | 1:20 | 1:20 | 1:20 | 1:20 | 1:20 | 1:20 | 1:20 | 1:20 | 1:20 | 1:20 | 1:20 | 1:20 | 1:20 | 1:20 | 1:20 | 1:20 | 1:20 | 1:20 | 1:20 | 1:20 | 1:20 | 1:20 | 1:20 | 1:20 | 1:20 | 1:20 | 1:20 | 1:20 | 1:20 | 1:20 | 1:20 | 1:20 | 1:20 | 1:20 | 1:20 | 1:20 | 1:20 | 1:20 | 1:20 | 1:20 | 1:20 | 1:20 | 1:20 | 1:20 | 1:20 | 1:20 | 1:20 | 1:20 | 1:20 | 1:20 | 1:20 | 1:20 | 1:20 | 1:20 | 1:20 | 1:20 | 1:20 | 1:20 | 1:20 | 1:20 | 1:20 | 1:20 | 1:20 | 1:20 | 1:20 | 1:20 | 1:20 | 1:20 | 1:20 | 1:20 | 1:20 | 1:20 | 1:20 | 1:20 | 1:20 | 1:20 | 1:20 | 1:20 | 1:20 | 1:20 | 1:20 | 1:20 | 1:20 | 1:20 | 1:20 | 1:20 | 1:20 | 1:20 | 1:20 | 1:20 | 1:20 | 1:20 | 1:20 | 1:20 | 1:20 | 1:20 | 1:20 | 1:20 | 1:20 | 1:20 | 1:20 | 1:20 | 1:20 | 1:20 | 1:20 | 1:20 | 1:20 | 1:20 | 1:20 | 1:20 | 1:20 | 1:20 | 1:20 | 1:20 | 1:20 | 1:20 | 1:20 | 1:20 | 1:20 | 1:20 | 1:20 | 1:20 | 1:20 | 1:20 | 1:20 | 1:20 | 1:20 | 1:20 | 1:20 | 1:20 | 1:20 | 1:20 | 1:20 | 1:20 | 1:20 | 1:20 | 1:20 | 1:20 | 1:20 | 1:20 | 1:20 | 1:20 | 1:20 | 1:20 | 1:20 | 1:20 | 1:20 | 1:20 | 1:20 | 1:20 | 1:20 | 1:20 | 1:20 | 1:20 | 1:20 | 1:20 | 1:20 | 1:20 | 1:20 | 1:20 | 1:20 | 1:20 | 1:20 | 1:20 | 1:20 | 1:20 | 1:20 | 1:20 | 1:20 | 1:20 | 1:20 | 1:20 | 1:20 | 1:20 | 1:20 | 1:20 | 1:20 | 1:20 | 1:20 | 1:20 | 1:20 | 1:20 | 1:20 | 1:20 | 1:20 | 1:20 | 1:20 | 1:20 | 1:20 | 1:20 | 1:20 | 1:20 | 1:20 | 1:20 | 1:20 | 1:20 | 1:20 | 1:20 | 1:20 | 1:20 | 1:20 | 1:20 | 1:20 | 1:20 | 1:20 | 1:20 | 1:20 | 1:20 | 1:20 | 1:20 | 1:20 | 1:20 | 1:20 | 1:20 | 1:20 | 1:20 | 1:20 | 1:20 | 1:20 | 1:20 | 1:20 | 1:20 | 1:20 | 1:20 | 1:20 | 1:20 | 1:20 | 1:20 | 1:20 | 1:20 | 1:20 | 1:20 | 1:20 | 1:20 | 1:20 | 1:20 | 1:20 | 1:20 | 1:20 | 1:20 | 1:20 | 1:20 | 1:20 | 1:20 | 1:20 | 1:20 | 1:20 | 1:20 | 1:20 | 1 \(\text{WBIR}\) (256.3m-1170ke) Robard Barcley, plants:
\(\frac{5 \, p. m.}{4}\) \(\text{WAQ}\) (447.5m-670ke) Child Study talk.
\(\frac{6 \, p. m.}{4}\) \(\text{STL}\) (483.6m-620ke) Twilight organ request

CONCERT. (285.5m-1050ke) "Wonder Stories from Germany," Lady Baltimore. (290. 3:20 WIBR (256.3m-1170kc) Items on Science and In-VBBR (256,3m-1170kc) Listening in to Bruce and

6:30 p.m. 5:30
Wilhik (256.3m-1170)kc) Listening in to Bruce and Stitart.

5:40
Stitart.

6:40
Stitart.

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Stitart.

7:50
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\(\text{Viff (3/9/\sin-30/kc)}\) Remingron hado.
\(\text{Viff (3/9/\sin-30/kc)}\) Victor Herbert's compositions.
\(\text{1}\) 1.5 \) 6.15 \(\text{51}\) 5.15
\(\text{VEAO}\) (282.8n-100/kc) "Beautifying the Home (frounds," Victor Ries.
\(\text{8:30 p. m.}\) 7.30
\(\text{KLD}\) (230.6m-1300/kc) "Beautifying the Home (frounds," Victor Ries.
\(\text{8:30 p. m.}\) 7.30
\(\text{KLD}\) (230.6m-1300/kc) "Spelling contest, Dr. H.
\(\text{K}\) Taylor (320.2m-1070/kc) "Musical Vistas."
\(\text{VIFI}\) (355.6m-820/kc) "Musical Vistas."
\(\text{VII}\) (1520.2m-1070/kc) "Musical Vistas."
\(\text{VII}\) (1520.2m-1070/kc) "Bastianelli trio and Nicholas 2plyara, tenor.
\(\text{2:01 p. m.}\) 8.30
\(\text{VIFI}\) (384m-780/kc) Mrs. Gulun Massy, pianist.
\(\text{VOO}\) (249.9m-1200/kc) H. 1, Seaburg, herritone.
\(\text{9:13 p. m.}\) 6:45
\(\text{KTIS}\) (384-m-780/kc) Mrs. E. T. Shields, contrable.

10 p. m. 9 KTHS (384.4m-780kc) Jack Crawford and his

ham. PWX (400m-750ke) Nicaragua hour. WCOA (249.9m-1200ke) Dr. C. J. Heinberg, vio-

limit, 9:01 8:01 7:01 W 10:01 p.m. 9:01 Springtime trio. 10:05 p.m. 9:05 W 17 (333.1 m-900kc) "Psychology and Your Boy

and Girl. "Psychology and Your Boy and Signature State Signature State Signature Signa

Dick Roberts, John S. Leick, Fred Leman, Walter Sorenson, VW (526m-570kc) Dalbeim trio, 10/30 p. m. 9:30 7:30 F1 (468.5m-640kc) Nick Harris, Detective stor-

ies, ( UA (242,9m-1200ke) Ann Prestwood, vocalist. 10:45 p. m. 9:45 8:45 7:45 11 (468.5m-640ke) William MacDongall, Scotch

KFI (468.5m-640ke) William stateringan, Sected reteritaries (140.5m-640ke) John D. Thomas, pianisi 8 kFI (468.5m-640ke) Marinee musical club, KFI (468.5m-50ke) Pachtown frolic. WFLA (516.5m-580ke) Springtras serenaders, 11:30 p.m. 11:30 p.m.

soprano. 12 mld. 11 10 KGO (384.-hn-780kc) Rose Lind, popular singer. WLS (344.6m-870kc) Ralph Waldo Emerson, or-

gamst, 1:30 a. m. 12:30 11:30 10:30 KFI (468,5m-640kc) Nellie Callender Mills, violin

Regular Wednesday Features

Eastern Time Stations

Eastern 1 ime Stations

CFCA Toronto, Can. (356.5m-840kc) 7 p. m. orchestra; 9:30, program. 10, organ.

KDKA Pittsburgh. 9, (315.6m-950kc) 7:30 p. m. produced control of the station of t

10. dance music. WBZ Springfield, Mass. (333-1m-900kc) 6:30 p. m. ensemble: 8, WJZ; 8:30, WJZ; 10, artists; 10:35,

chestra. A (356,9m-840kc) Organ recital, Fred Putten-

Educators, supervisors of music, teachers and parents will be interested in the morning programs given by Walter Damrosch. Saturday morning, February 11 and 18 respectively from 11 a.m. until noon Eastern time. Mr. Damrosch will demonstrate the broadcasting of grammar school music programs February 11 and high school music February 18.

school music February 18.

Song hits of the past twenty years will be featured at KOA, Denver, on Friday evening, February 10, from 8 to 9 p. m. Mountain time. These will all be popular songs, not the classics. "Alexander's Rag Time Band," the grand old song recently revived by Ted Lewis, will, of course, be on the program. Others to be given, such as "Margie" and "Juda," are really hoary with age for popular songs even though it seems but yesterday we all sang them.

Another birthday to be calchysted.

Another birthday to be celebrated this month is that of Station WWNC, Asheville, N. C. February 21, Lambdin Kay of WSB, George Hay of WSB, E. G. Hoezle of WRVA, and many other popular announcers will help celebrate this station's first hirthday. birthday,

WGBS New York, N. Y. (348.6m.880kc) 9 p. m. program.
WGHP Detroit, Mich. (277.6m-1080kc) 6 p. m. dinner concert; 9, Columbia chain.
WGR Buffalo, N. Y. (302.8m-990kc) 6:15 p. m. orchestra: 7,30-10-30; N. B. C.: 11, orchestra: MGY Schenectady, N. Y. (379.5m-790kc) 7,30 p. m. WGY Schenectady, N. Y. (379.5m-790kc) 7,30 p. m. WHI. C.; 8 band; 830, orchestra: 9-10-30, WEAF. orchestra: 71, N. Y. (394.5m-700kc) 6:30 p. m. Frivolity club.
WHK Cleveland, O. (265.5m-1130kc) 7-12 mid. musicale.
WIP Philadelphia, Pa. 348.6m-860kc) 8 p. m. Fireside kour.

Mour, WJR-WCX Detroit, Mich. (440.9m-680kc) 7 p. m orchestra; 9. dance orchestra; 10. musicale; 11

gram.

WWJ Detrolt, Mich. (352.7m-850kc) 6 p. m. dinner concert; 8-10:30. WEAF; 10:30, organ, WWNC Asheville, N. C. (296.3m-1010kc) 7 p. m. dinner music.

KFAB Lincoln, Neb. (319m-940kc) 5:30-6:30 p. m. dinner concert: 8:30-10:15, orchestra, KMA Shenandoali, Ia. (394.5m-760kc) 6 p. m. pro-

WCOA Pensacola, Fla. (249.9m-1200kc) 8 p. in. pro

hour,

WJR.WCX Detroit, Mich. (440.9m.680kc) 7 p. m.
orchestra; 9, diance orchestra; 10, musicale; 11,
variety hour, N. Y. (454.7m.860kc) 7, 45 p. m.
WJZ New Yndation, W.R. (454.7m.860kc) 7, 45 p. m.
WJZ New Yndation, W.R. (454.7m.860kc) 7, 45 p. m.
WJZ New Yndation, W.R. (454.7m.860kc) 7, 45 p. m.
WJZ NEW A. WOW; 8, Champion, Sparkers,
WBZ, KDKA, WLW, WJR, KYW, WRHM, KSD;
8:30, Sylvania Foresters, WBZ, KDKA, KYW; 9,
Variety hour, WBAL, KDKA, WJR, KYW, KWK;
10, dance hand; 10.30; musicale; 11, Slumber music;
WLW Cincinnati, Ohio (428.3m.700kc) 7:30 p. m.
forchestra;
Church Carlon, WJR, WJZ; 10:30, 10:7aan; 11,
orchestra;
WLWI, New York, N, Y, (370.2m.810kc) 6; 0, m.
dunner music; 8, band; 9, Columbia chain; 11:05;
Sliver Slipper, K, N, Y, (370.2m.810kc) 6; 10 p. m.
orchestra; 10, musicale; 12:30; frolic club,
WNAC Boston, Mass, (461.3m.650kc) 7; 30 p. m. program; 9, Columbia chain; 11:05, dance music.
WOR Newark, N, J, (422.3m.710kc) 6; 15 p. m. program; 9, Columbia chain; 11; 0, orchestra;
WPG Atlantic City, N, J, (427.5m-1100kc) 7:05 p. m.
music;
WIAM Mlami, Fla. (384.4m.780kc) 7 p. m. organ;
WIAM Mlami, Fla. (384.4m.780kc) 7 p. m. organ;

WEAT Channel (1973).

WILLIAM MIAMI, Fla. (384.4m-780kc) 7 p. m. organ; 7:30, program.

WRC Washington, D. C. (468.5m-640kc) 8 p. m. organ; 7:30, program.

WRC Washington, D. C. (468.5m-640kc) 8 p. m. organ; 7:30, program.

WRVA Richneum, Va (254.1m-1180kc) 7 p. m. conwitertainers; 8:30-11:30 p. m. WEAF; 10:30, WEAF; 11:30, orchestra; 8. WEAF; 9:01, WEAF; 10:30, WEAF; 11:30, orchestra; 8. WEAF; 9:01, WEAF; 10:30, WEAF; 11:30, orchestra; 7. talks; 8:30, WEAF; 10:30, WEAF; 11:30; orchestra; 7. talks; 8:30, WEAF; 10:30, WEAF; 11:30; orchestra; 7. talks; 8:30, WEAF; 10:30, WEAF; 11:30; orchestra;

orchestra.
WTIC Hartford, Conn. (535.4m-580kc) 7-11 p. m. pro-

Central Time Stations
Central Neb. (319m-940kc) 5:30-6:30 p. m.

Minier Concert: 8.39-1.0135, orchestra, KMA Shenandoalt, Ia. (394.5m-760kc) 6 p. m. proKMA Shenandoalt, Ia. (394.5m-760kc) 7 p. m. program; 9, musicale; 12, Pow-Wow.
KPRC Houston, Tex. (293.9m-1020kc) 7:30 p. m. orchestra: 8:15, concert.
KSD St. Louis, Mo. (545.1m-550kc) 7 p. m. WEAF.
KTHS Hot Springs, Ark. (384.4m-780kc) 8 p. m. concert: 8:30 p. m., chamber music; 9, frolic.
KYOO Tulsa, Okla, (346.5m-860kc) 6 p. m. program;
KYWC Chitaco, III. (452m-570kc) 7-9 p. m. WJZ; 9.
musicale; 10:32. Seronalers.
WAMD St. Paul, Minn, (222.1m-1350kc) 7:15 p. m.
musicale; 10:32. Seronalers.
WAMD St. Paul, Minn, (222.1m-1350kc) 7:15 p. m.
musicale; 10:32. Seronalers.
WBAP Fort Worth, Tex. (499.7m-600kc) 6 p. m.
Seven Aces; WEAF.
WBM Chicago, III. (383.89.4m-770kc) 7 p. m. dinner
concert; 7-11. popular program; 12. mid-week frolic
WCCO Minneapolis-St. Paul, Minn. (405.3m-740kc)
WCFL Chicago, III. (483.6m-60kc) 7:11-20 mid, program

Section 1, 1999m-1990kc) 8 p. m. program: 9, steerial program. KPO San Francisco, Callf. (42.3m-710kc) 6:30 p. m. organ; 8-9 Atwater Kent artists; 9-10, orange network; 10-12, studio program. Wednesday, silent night for: CKCL, WCBD, WFI, WJAX.



WJJD Chicago. III. (365.6m-820kc) 8-9 p. m. chil-dren's musical hour: [11-12. Victorians. WLAC Nashville, Tenn. (226m-1330kc) 7 p. m. class-ical program: 8. popular music. WLS Chicago. III. (344.6m-870kc) 7 p. m. Tony's scrap book: 9. choral music; [11-12, popular pro-WAG Chicago, III. (447.5m-670kc) 6:30 p. m. dimer norm; 8. Columbia chain; 10. Stevens hotel orchestra. (WMAQ Chicago, III. (447.5m-670kc) 6:30 p. m. dimer norm; 8. Columbia chain; 10. Stevens hotel orchestra. (WMB Chicago, III. (252m-1190kc) 6 p. m. dimer nussic 7.10:30 program. (252m-1190kc) 6 p. m. dimer nussic 7.10:30 program. (516.5m-580kc) 7:45 p. m. health talk; 8. WEAF: 9.30 concert. (WOAI San Antonio, Texn. (516.5m-580kc) 7:30 p. m. Utah program. (374.8m-890kc) 7:30 p. m. Utah program. (374.8m-890kc) 7:30 p. m. WOC Davenpout h. (374.8m-890kc) 7:30 p. m. WEAF: WBB Atlanta, Ga. (475.9m-650kc) 7: p. m. WEAF: WBB Atlanta, Ga. (475.9m-650kc) 8: p. m. WEAF; 10:45. Concert. Concert
WSBC Chicago, III. (232.4m-1290kc) 9-11 n. m.
WSBC Chicago, III. (232.4m-1290kc) 9-11 n. m.
WSM Nashville, Tenn, (336.9m-890kc) 2/15 p. m.
dinner concert; 8, WEAF; 8:30, WEAF; 9:30,
WEAF; 10-80, orchestra, 296.5m-1010kc) 8:30-10-30
p. m. Philic School of the Air poperam; features.

Mountain Time Stations

dance program.

Pacific Time Stations

KFI Los Angeles, Calif. (468.5m-640kc) 7;30 p. m.
Nick Harris: 8-9, program. California Petroleum
corp. 9, oranne network: 10. classic music.

KFRC San Francisco, Calif. (454.3m-650kc) 6:20 p. m.
program; 8, W1/2: 10-12 mid. dance program.

KFWB Hollywood, Calif. (361.2m-830kc) 6:7 p. m.
dinner hour; 7:30, news 8. 8-9, features: 9-10, or-KFWB Hollywood, Callf. (361.2n.830kc) 6-7 p. m. dinner hour: 7:30, news; 8-9. features; 9-10, nrchestra; 10-11. Rainbo orchestra; 11-12, orchestra (KGO Oakhand, Callf. (384.4m-780kc) 6 p. m. dinner convert: 8, vandeville; 9. National Broadcasting company; 10, orchestra, 184. dinner company; 10, orchestra, 196. Sational Broadcasting company; 10, Sational Broadcasting company; 11, 196. Sational Broadcasting company; 11, 197. dinner convert; 9-10, Sational Broadcasting company; 11, 197. dinner converting the state of the s

# THURSDAY, FEBRUARY 2

# Headliners

Central Mountain 7 p. m. 6 S KVOO (348.6m-860kc) Barney Breene, popular Songs.

1.30 p. nt.
1.30 p. nt WGY (379.801-7008) Psychology (879.801-7008) Will (348.601-8604) WOO trie, 7:40 p.m. 6:40 5:40 William (256.301-170ke) Violatic (unrette, 5 Will (256,3m-1/0ke) Violii quartette, 8 p. m. 7 co. 5 (156,5 m-1/1/0ke) Chiropractic Lecture, 8:05 p. m. 7:05 (6:05 5:05) (VOI (265,3m-1/3/0ke) Wrestling, Oklahoma vs.

| Manage | M

\$\text{SMIR}\$ (270.1m-110kc) Jessie Wilson Towner, woice.
\text{WIRR}\$ (256.3m-1106kc) Italian Bible lecture, \$\text{LCL}\$ (256.2m-106ke) Girls Glee club.
\text{B32}\$ (252.8m-1066ke) Girls Glee club.
\text{SIN}\$ (516.9m-550kc) MrCabe Juhilee singers, \$\text{8:40}\$ p.m. 7.40
\text{MAQ}\$ (447.5m-676kc) University of Chicago lec-

N:55 p. m. 7:55 6:55 5:55 5:55 W.LS (344.6m-870ke) Ralph E. Gould, tenor,

W1.S (344.6m-870ke) Ralph E. Gould, tenor, 9.p. m. 8
(KVU (355.9m-840ke) Radio Auction Bridge game 14th of series.
KLDS (276.1m-110ke) Eva Shearer, contrailo.
WCCO (465.2m-240ke) Hamillie University hour.
WCFL (483.6m-620ke) Gail Bandlell, Frank Chiddix WIIB (340.7m-880kc) Ray Ham and Fred Som-

mers, p. m. 8:15, P.115 6:15
WLAC (225.4m:13.00kc), Basket-ball game, Tamb bit 30 vs. Burtle, 130 rcrors, 7:30 5.30
KF1 (468.5m.640kc) Henry Starr, pianist, WLAC (225.4m:13.30kc) Billy and Bob, the > B

6:10. W 8:45. W 9:30. W 9:45. W Wcae, W Wsea. 10:05, S. 7. Kfab Wlw. W 9:20. Wl 9:45. Wt Wcco, W Wtam. Wmak, 10:30.

DA Cen N 9. Wba Wir; 9:3 Wrc, Wsr 10, Wcai 10:05, Wor; 11 Koil: 11: Kirc, T

9, Wha Whz, Wh 10, Kex, Whac, Wqi, Whak; Kyw, What; Hydai; 12

8:45, \Vbal; 9:.
Whal; 9:.
Wre, Wr
10, Waam
Whae,
10:15, We,
Koil, Kr
Wtmi; 11
Kfre, Kg

9. Wia. Whib, W Wtie: 10 Weaf, W Wtam: Wnae, Wo 10:30, Ko Wip, Wh 11:30, Wq

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# JCATIONAL BROADCASTS OVER N. B. C.



Central Mountain tone.
WBAL (285.5m-1050kc) WBAL Staff concert.
WGY (379.5m-790kc) Carboroundum baml.
WSUN (516.9m-580kc) Ed and Mama.
10:10 p.m. 9:10
WTit (535.4m-560kc) Clinh Worthy Hills or-WTIC (533-4m-560kc) Club Worthy Hills or-chestra, 10:30 p. m. 9:30
WIII (430.7m-880kc) Omar Perkin's Playmates, 8
WIII (430.7m-880kc) Omar Perkin's Playmates, 8
CEVIX (150.0m-880kc) Harold Rich-Morris London Versatile Canadians, EFAB symphony orchestra, 6CO (384-4m-780kc) Christine Lamb, contrable WWM (336-9m-890kc) Christine Lamb, contrable 11:05 p. m. 10:05
WWW (520m-570kc) Congress Carniva 16:05
WWW (520m-570kc) The Homesteaders, orchestra.
11:20 p.m.
10:30
9:30
8:30
WGY (37).5m-790kc) Floyd Walter, organist.
12 mld.
KOIN (319m-940kc) Billy's Hawaiian trio.
RRLD (230.6m-1300kc) Ruth Muse, girl baritone. 1 a. m. 12 mld. 11 10 KFI (468.5m-640kc) Purcell Mayer, violinist. KFO (422.3m-710kc) Merton Bories, Boh Allen.

ING

Time
lay
Viw: 9:15.
Voc. Wpg.
45. Waam;
Veaf, Wjr:
k. Wnac.
Wpg: 11.
Wdat; 12.

day 1:30, Weaf, 9:40, Wbz, ex, Wcae, Www. Wlac, 5. Wmak, 10:15, Wpg; Cyw. Wcae, 11. Wbbm; 1:45, Wdaf, lay

y, 8, Wjax; 9, Whal; Wrc. Wwi; 10, Koa, Weaf, Wjr, m. Wtic ik, Wnac

# Regular Thursday Features Eastern Time Stations

CFCA Toronto (356-5m-840kc) II. m., Canadiaus, KDCA Fittiburgh, Fa. (315-6m-950kc) II. m., Canadiaus, KDCA Fittiburgh, Fa. (315-6m-950kc) II. m. Fr. (315-3m-950kc) II. m. Fr. (315-3m-950kc) II. m. ( WBAL Baltimore, Md. (285.5m-1050kc) 6:30 p. m. dimer orchestra: 7:30, musicale; 8:30. W1Z: 9. W1Z: 9. W1Z: 10, W1Z: 10,

Central Time Stations

KMA Shenandoah, Ia. (394.5m:760kc) 7-8:30 p. m. Mandolin Musicians.

KOIL Council Bluffs, Ia. (319m-940kc) 9 p. m. revue; I.1. amliassadors: 12. Pow-Wow.

RPRC outson. Tex. (293.9m-1020kc) 7:30-9:30 p. m. studio concert.

KTHS Her Springs. National Park, Ark. (384.4m-780kc) 8 p. m. solo program: 9:45, dance frolic.

WMAK Buffalo, N. Y. (545.1m-550ke) 6:15 p. m. din-mer music; 7:30, talk; 9, popular program; 11:05, WNAC Boston, Mass. (461.3m-650kc) 6:30 p. m. dimer concert; 9:15, Metropolitan theater; 10:15, dance unisic; 11:05 orchestra, WOR Newark, N. J. (422.3m-710kc) 6:15 p. m. euweinder 11:05, orchestra, WPG Atlantic City, N. J. (272.6m-1100kc) 7:05 u. m. dinner music: 10, movie broadcast; 10:20, organ; WQAM Miami, Fla. (384.4m-780ke) 7 p. m. organ; R. Kanel II. organi. C. (468, 5m. 440kc) / p. iii. organi. WRC Washington. C. (468, 5m. 440kc) / p. iii. WRC Washington. C. (468, 5m. 440kc) / p. iii. WRVA Marine dand: 8 WEAR: 10:30. band. WRVA Marine dand: 8 WEAR: 10:30. band. WRVA Marine dand: 8 WEAR: 10:30. band. Virginiy. WSAI Cincinnati, Ohio (361, 2m. 330kc) / p. iii. p. penus; 7:25. talk: 7:45. music: 8-9. WEAF: 9, program: 10, WEAF: 10:30. orchestra; 11:30. orchestra. WSEA Narfolk, Va. (263n: 1140kc) 6:45. p. iii. dimerimisis: 8, s. tudio recipil: 10, orchestra. archestra: 10. orchestra: 11. dauce orchestra. WTAG Worcester. Mass. (518-9m-580kc) 8 p. m. WEAF: 9. WEAF: 10. WEAF. WEAF. WEAF: 9. WEAF. 10. WEAF. WEAF. Or or othertra: 8, studio program: 8:30, WEAF; cavaliers, WTIC Hartford, Conn. (535.4m-560kc) 6:30 p. in. true 7:30. WEAF: 8, WEAF; 8:30 Capitol theater trus: 7:30, WEAF; 8, WEAF; 8:30 Capitol theater nessentation; 10:30, orchestra; WWJ Detroit, Mich. (352.7m-850kc) 6 p. m. dimer comeert; 8, WEAF; WWNC Asheville, N. C. (296.9m-1010kc) 6:45 p. m. dimer music: 8 program: 10:15, orchestra; 11, dimer music: 8 program: 10:15, dimer music: 8 program: 10:15, dimer music: 10

# CHAIN BROADCASTS

Atlantic Central Mountain Pacific 4.30
WF (454, 2m-660c), WBZ (333, 1m-900kc), WBAL (285, 5m-1030kc), WHAL (280, 7m-1070kc), WRC (468, 5m-640kc) KDRA (315, 6m-950kc), WWC (468, 5m-640kc) KDRA (315, 6m-950kc), WWC (526m-570kc) WHO (535, 4m-950kc), WSH (475, 9m-650kc), WWW (528, 2m-590kc), WSH (475, 9m-660kc), WWK (234, 2m-1280kc), WSH (435, 6m-620kc), WRAL (491, 5m-630kc), WEAL (491, 5m-640kc), WEAL (483, 6m-620kc), WCAL (465, 5m-640kc), WIA (440, 9m-688), Rossy ara his gauge 330
WEAP (491, 5m-640kc), WEAP (379, 5m-790kc), WCSH (335, 6m-820kc), WLTH (463, 5m-580kc), WLTA (379, 5m-790kc), WCSH (365, 6m-860kc), WIA (465, 2m-790kc), WCSH (465, 2m-790kc), W

quartet. WOR (422.3m-710kc) and net, The Captivators.

Tuesdays

Central Mountain Atlantic Central Mountain Pacific
7
8
VEAF (491,56-610kc), WTIC (535,4m-560kc), W1AR (483,6m-620kc), WTAG (516,9m-580kc), WCSH (365,6m-820kc), WFI (405,2m-740kc), WR (468,5m-640kc), WGR (302,8m-900kc), WSAI (361,2m-830kc), WGN (379,5m-790kc), WTMJ (293,9m-1020kc), WGN (379,5m-790kc), WTMJ (293,9m-1020kc), WGN (379,5m-790kc), WTMJ (303,4m-620kc), WGN (379,5m-790kc), WTMJ (379,5m-790kc), WCM (374,8m-650kc), WGN (379,5m-790kc), WCM (374,8m-650kc), WCM (372,4m-990kc), WCM (374,8m-650kc), WCM (461,3m-650kc), Voter's service.

Carlson hour.

WEAF (491,5m:610kc) and net, Eveready hour.
VIZ (454,2m:650kc) KUK (315,6m:950kc), KWK (256m:570kc), KWK (236,m:950kc), WILAM, SCOKC), WFAA (535,4m:550kc), Continentals, 9:30

WIZ (454,2m:650kc), KVK (2315,6m:950kc), KYW (526m:570kc), KWK (2312,4m:1290kc), WHAM (280,7m:1070kc), KWK (234,2m:1290kc), WHAM (280,7m:1070kc), KWK (234,2m:1290kc), WHAM (280,7m:1070kc), KWK (234,2m:1290kc), WIFAA (535,4m:550kc), WIFA (440,9m:660kc), Torrid Tots.

WEAF (491.5m-610kc), Auction Bridge games. WEAF (491.5m-640kc), Auction Bridge games, 10:30 9:30 08:30 7:30 WEAF (491.5m-640kc), WCSH (365.6m-820kc), WF1 (405.m-7-640kc), WCW (379.5m-790kc), WTAM (399.8m-750kc), WTM1 (293.9m-1020kc), KSD (545.1m-550kc), WMC (516.9m-580kc), Palais D'Or orchestra.

| Wednesdays | Atlantic | Central | Mountain | Pacific | 7:45 | 5:45 | 4:45 | VIZ | (454.2m.-660kc), WHAM (280.7m.-1070kc), KJNKA (315.6m.-950kc), WRC (468.5m.-640kc), WHC, WGC (374.8m.-800kc), WBAL (282.5m.-1050kc), WHAS (322.4m.-930kc), WOW (508.2m.-590kc), "The Political Situation in Washington Tonight." | 8 Wednesdays Central Mountain

WIZ (454.2m-660kc), WBX (333.1m-900kc), WBX (428.3m-700kc), WLW (428.3m-700kc), WRIM (260.7m-150kc), KSD (545.1m-550kc), Champion Sparkers.

8:30 5:30 WIZ (454.2m.660kc), WBZ (333.1m.900kc), KDKA (315.6m.950kc), KYW (526m.570kc). Sylvania Foresters.

9 8 7 6
WEAF (491.5m-610kc) and net, Ipana Trouhadnurs.
WTZ (454.2m-660kc). KDKA (315.6m-950kc).
WTR (440.9m-680kc). KYW (526m-570kc).
KWK (234.2m-1280kc). Variety hour.
WOR (422.2m-710kc) and chain, Kolster Radio

9:30 8:30 7:30 6:30
WEAF (491.5m-610kc) and net. Goodrich Zipper orchestra. Silvertown quartet.

WOR (422.3m-710kc) and chain. Columbia

Phonograph hour.

10;30 9;30 (7:30)

WEAF (49) 5m-610kc), WCSH (365.6m-820kc), WLT (405.2m-740kc), WRC (468.5m-640kc), WCAE (465.3m-640kc), WSAI (361.2m-830kc), WSAI (365.4m-850kc), WIASAI (365.4m-850kc), WHASAI (362.4m-930kc), WSAI (336.9m-890kc), WTAM (499.8m-750kc), WSAI (475.9m-630kc), WTAM (499.8m-750kc), WSAI (475.9m-630kc), WTIC (535.4m-560kc) National Grand opera.

Thursdays
5:30
8:30
WEAF (49) 5m-610ke), WEE1 (508.2m-590ke),
WTR (535.4m-590ke), WCSR (483.6m-620ke),
WTAG (516.9m-590ke), WCSR (365.6m-8.50ke),
Coward Comfort hour,

Coward Comiort hour.

WEAF (491,5m; 600ke), WEFI (508,2m; 500ke), WTIC (535,4m; 560ke), WIAR (483,6m; 620ke), WTAG (516,9m; 580ke), WSII (365,6m; 820ke), WFI (405,2m; 740ke), WRC (468,5m; 640ke), WGY (379; 50m; 750ke), WVAE (461,5m; 650ke), WTAM (399,8m; 750ke), WVAE (461,5m; 650ke), WSAI (361,2m; 300ke), WEI (365,6m; 820ke), WRIII (260,7m; 1150ke), WTM (239,9m; 1200ke), WOI (474,8m; 800ke), WTM (239,9m; 1200ke), WOI (474,8m; 800ke), WTM (353,4m; 560ke), WIM (388,4m; 560ke), WIM (388,4m; 560ke), WJM (388,5m; 560ke), WJM (388,5m;

8:30 7:30 6:30 5:30 WEAF (491.5m-610kc) and net, Hoover Sen

WEAF (491.5m-610kc) and net, Hoover Sentinels, WIZ (454.2m-660kc), WBZ (433.1m-900kc), WBZ (433.1m-900kc), CPR (458.5m-16.60kc), WHAM (280.7m-1070kc), WLW (428.3m-700kc), KYW (526m-570kc), KWK (428.3m-700kc), KYM (526m-570kc), KWK (428.3m-700kc), WRIM (426.7m-1150kc), WTM) (293.9m-1020kc), Ampleo hour,

Ampleo hour, 9 8 (7 1 508.2m-590kc), WEAF (491.5m-610kc), WEE1 (508.2m-590kc), WIAR (483.6m-620kc), WRC (486.5m-640kc), WRC (486.5m-640kc), WRC (486.5m-640kc), WG (379.5m-790kc), WG (302.8m-990kc), WG (416.4m-720kc), Clicquot Club Eski-

mos. WJZ (454.2m-660kc) and net, Maxwell House

hour.

10 WEAF (49).5m.-610kc), WEEL (598.2n.-590kc)
WTAG (516.5m.-580kc), WRC (468.5m.-640kc)
WGR (302.8m.-990kc), WEAE (461.3m.-650kc)
WWI (352.7m.-880kc), WSAI (361.2m.-830kc)
WEBH (365.5m.-820kc), WSAI (361.2m.-830kc)
WCCO (405.2m.-740kc), WOC (374.8m.-800kc)
WDAF (370.2m.810kc), Smith Brothers.

Fridays

7:30
6:30
WZ
24:54:20:-660kc)
WBZ
(333.1m:900kc),
WBZ
(285:5m:1050kc)
WBZ
(280:5m:1050kc)
WBZ
(28

WEAF (49),501-6108c) and net, La France or-chestra. 9

WEAF (49),506-6108c) and net, Palmolive hour, WOR (422,30n-7108c). Captain Kidd program, 1030

WOR (422,3m-7108c), 30-minute neu,

Saturdays

Fa;30

WEAF (491,5m-610kc) and net, Pennsylvanians

WEAF (491,5m-610kc), WLY (379,5m-790kc), WCAE (461,3m-650kc), WVJ (379,5m-790kc), WLY (484,2m-660kc) and net, New York symphony.

9 8 7 6 WJZ (491.5m-610kc) and net, Philos light opera

None: 8 7 6

WOR (422.3m-710kc) and net. Emerson Effervescent hours 15 8:15 7:15 6:15

WEAR (491:5m-610kc) and net, Atwater Kent
Radio hour. 7:30 6:30

WOR (422.3m-710kc) and net, American sing-

ers.
9
WOR (422.3m-710kc) and net, Don Voorhees and his band, 10:15 9:15 8:15 7:15 WJZ (454,2m-660ke) and net, Don Amaizo.

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# NASHVILLE NIGHT FEATURE OF WLAC

WEBD Zion, III. (344.6m-870kc) 8 р. m. Cornet quartet, vocal solos, trio. WCCO Minneapolis-X: Paul, Minn. (405.2m-740kc) WFL Chicago, III. (483.6m-820kc) 8-12 р. m. рари-WCFL Chicago, in (350.2m-810kc) 6 p. m. School of the Air; 7, WEAF; 11:45-1, Nighthawk WEBH Chicago, Ill. (365,6m-820kc) 7-10 p. m. N.B.C.: WENR Chicago, III, (388,3m-820kc) 7-10 p. m, N.B.C.; WENR Chicago, III. (288,3m-1040kc) 8, orchestral introduction of the chicago in the chic music, WitO Des Moines, Ia. (\$35.4m-560kc) 6:30 p. m. din-ner concert; 7-9, N.B.C.; 9, music; 9:30-11:30, ner concert; 7-9, N.B.C.; 9, music; 5-30-11-30, N.B.C. WHT Chicago, Ill. (305.9m-980kc) 8:30-10 p. m. evening program; 11-12, your hour league, WHBO Chicago, Ill. (305.9m-980kc) 7:10 p. m. musicale; 10, popular program, WJAZ Chicago, Ill. (263m-1140kc) 9:30 p. m. studio ocupram. WJAZ Chicago, III. (285.11-11-00KC) 9:30 p. m. Situito frogram.
WJBT Chicago, III. (389.4m-770kc) 12 mid.-1 am. midnight frolic.
WJJD Chicago, III. (385.6m-820kc) 8-9 p. m. children's hour; II-12. Victorians.
WLAC Nashville, Tenn. (226m-1330kc) 9 p. m. program; 10-11. orchestva.
WLS Chicago, III. (344.6m-870kc) 7:30 p. m. Supertone hour. tone hour, WMAQ Chicago, III. (447.5m-670kc) 7:40 p. m. U of Chicago lecture; 8, orchestra; 9, musicale; 10, Chicago lecture; 8-renaders, WQC 6 p. m. dinner chicago, III. (252m-1190kc) 6 p. m. dinner concert: 7. Trianon orchesemble; 8:30, Trianon orchesemble; 8:30 chestra. WMB! Chicago, III. (263m-1140kc) 7 p. m. sacred with the second second

Mountain Time Stations
CNRA Calgary, Can. (434.8m-690kc) 9 p. m. CNR

Pacific Time Stations
KFI Los Angeles, Calif. (468.5m-640kc) 7 p. m. University of S. C.; 8, drama hour; 9, N. B. C.; 10, yersiy o, musicale, musicale, francisco, Calif. (454m-660kc) 6:20 p. m. heanty talk: 7, musicale; 9, studio program; 10, beauty talk: 7, inusicate, dance orchestra, dance orchestra, KFWB Hollywood, Calif. (361.2m-830kc) 6-7 p, m. dancer concert: 7:50, news; 8-9, features; 9-10, prodinner concert; 7:50, news; 8-9, features; 9-10, pro-gram; 19-11, frolics; 11-12, orchestures; 9-10, pro-gram; 19-11, frolics; 11-12, orchestures; 9-10, RGO Oakland, Calif. (384-4m-780kc) 6-6:55 p. m. Stanislas Pem's Little symphony; 8, musicale; 9-10, N. B. C.; 10, orchestra. KGW Portland, Ore. (491.5m-610kc) 6-7 p. m. dinner concert; 8, concert; 10, National Broadcasting com-pany. (All Los Angeles Calif. (416.4m-720kc) 7 p. m. Surges; 8-1], features, KPO San Francisco, Calif. (422.3m-710kc) 6:30-7 p. m. organ; 8-9, program; 9, N. B. C.; 10, dance organ; 7 program; 8-9, progra

Thursday, silent night for: KFAB, KLX, KOA, WAIU, WDOD, WEAO, WEMC, WLIT, WOO, WOS.

# FRIDAY, FEBRUARY 3 Headliners

Eastern Central Mountain Pacific
5 p. m. 4
WMAQ (447.5m-670kc) Parent-Teacher associa-6 p. m. 5 WBAL (285,5m-1050kc) "Red Letter Day-Sidney 7 p. m. 6 WOW (508,2m-590kc) Seventeenth U. S. In-7:20 p. m. 6:20 5:20 4:20 WBBR (256,3m-1170kc) Items on Health and WHBR (250,3m-1170kc) trems on treatm and Hygiene, 6:30 4:30 p. m. 6:30 5:30 Hygiene, 6:30 Hygiene, 6 8 p. m. 7 WOW (508.2m-590kc) Randall's Royal Foptenelle Grehestra, 830 p. m. 7:30 Signs of the Ending World' R. S. Emery, W.S. (344 6m-870kc) Oriental male quartet, WGO (348 6m-860kc) musical lecture, Isadore Freed, pianist, 7:40 Freed, pianist. 8:40 p.m. 8:40 5:40 WFI.\ (516.9m-580kc) Artists from Peace Memorial church. morial church, 8:50 p. m. 7:50 6:50 5:50 WOI (265, 3m-1130kc) Baskethall, Kansas vs. 9 p. m. 8 KFDY (545.5m-550kc) basketball, South Dakota-State, KVOO (348.6m-860kc) Princess Pakanlii, WCOA (249.9m-1200kc) Second Anniversary program. 3115 7:15 6:15

FFM: (236m-1270kc) Chemistry and Its Relation to Our Health. 9:30 p. m. 8:30

FFI (448, 5m-440kc) Clarice Russell, blues singer. KTHS (384, 4m-780kc) Roanoke Negro Jubilee KTHS (384.4m.-780kc) Roanoke Negro Jubies singers, WTIC (335.4m.-560kc) Ivanhoe Knights, 10 p. m., 8 KDKA (315.6m.-950kc) R, V. B. trio, KMBC (270.1m.-1110kc) Lois Swaney, soprano, KOA (325.9m.-920kc) Denver Chapter De Molay hand hand. (285,5m-1050kc) "Moments with Musical Produces," S. Broughton Tall, WCFI. (483,6m-620kc) Joe Warner, Art Bil-WCFI (483,6m-одикст докацият.
WLS (344,6m-870kc) Special music.
10:05 р. — 9:05 8:05 7:05
WIZ (333.1m-900kc) Suffolk Theater symponly orchestra. 10:30 p. m. 9:30 8:30 KYW- (526m-570kc) -Appollo quartet.

# FARMERS' PROGRAM INDEX

Special Farm Features

# Weather

Local Time

Local Time
KDKA, 10:10, a. m., 10 p. m.
KFH, 8:30 p. m.
KFKX, 10:55 a. m., 11:55 p. m.
KFNK, 7:30 a. m., 12:40 p. m.
KFOA, 4:30 p. m.
KFWI, 10:30 a. m.
KGA, 6 p. m.
KGO, 12:30 p. m., 7:30 p. m.
KGW, 10 a. m., 7:30 p. m.
KJR, 12 n.
KMMJ, 9:30 a. m., 12:30 p. m.
KMOX, 1 p. m.
KOA, 11:45 a. m., 5:45 p. m.
KOM, 12:45 a. m., 5:45 p. m.
KOM, 12:15 p. m., 8 p. m.
KPO, 12 n. WABC, 11:55 a. m., 11 p. m. WBZ, 5:55 p. m., 11:30. WCAE, 3:40 p. m. WCSH, 7:10 p. m. WCSH, 7:10 p. m. WCO, 9:45 a. m., 10 p. m. WDAF, 5:45 p. m. WDBO, 7:40 p. m. WEBL, 11:40 p. m. WFIA, 10:30 a. m., 9:30 p. m. WFIA, 8:30 p. m. WGY, 12:01 p. m. WHAD, 10:30 a. m., 2 p. m. WHO, 10:30 a. m., 2 p. m. WHO, 10:30 a. m. WGY, 12:01 p. m.
WGY, 12:01 p. m.
WHAD, 10:30 a. m., 2 p. m.
WHO, 10 a. m.
WIP, 1:30 p. m.
WIP, 1:30 p. m.
WIZ, 2 p. m.
WIAC, 7:30 p. m.
WLW, 11:15 p. m., 12
WMC, 9:45 a. m., 12 n., 2:30 p. m.
WOAL, 10 a. m.
WOC, 12:30 p. m. WM(, 9:45 a. m., 12 n., 2:30 WOAI, 10 a. m. WOC, 12:30 p. m. WOI, 10:30 a. m. WOO, 11:30 a. m., 9:55 p. m. WOI, 10:30 a. m., 9:55 p. m.

| WTAG, 12:59 p, m. | Monday | Pacific | R. | Wall 11:20 11:20 11:20 10:20 10:20 10:20 10:20 10:20 10:30 Tuesday Central

 Eastern
 Central
 Mountain
 Pacific

 11 p. m.
 10
 8

 KFAB (319m-940kc)
 Raybestos Hour,

 KOIN (319m-940kc)
 Webber's Junior String orchestra,

 KVOO (348,6m-860kc)
 Leon Schroeder, baritone,
 | Solid | Soli

11:45 11:45 11:45 11:45 10:45

KOA (325,9m-220kc), Farm question box. 8

KUOM (461,3m-650kc), Radio Farm school.

Friday

Eastern Central Mountain Pacific 12

Wif K (265,3m-1130kc), Farm flashes, 12:205 11:05 10:05 9:05

Wif K (265,1m-1180kc), Farm flashes, 12:205 11:05 10:05 9:05

Wif K (265,3m-1130kc), Farm flashes, 12:20 y.m. 11:20 10:20 y.r. 12:00 10:20 y.r. 12:00 10:20 y.r. 12:00 y.r. 12:10 y.r. 1

 
 Eastern
 Central 12 mid. 11
 Mountain 10
 Pacific 10

 KFI (468.5in-640kc)
 Virginia McCoy, contralto, KPO (422,3in-710kc)
 KPO dance orchestra.
 WFLA (516.9m-580kc) Springtime serenaders.
WLS (344.6m-870kc) WLS Showhoat; Campus Flirts; The Four Legionaires.
WTIC (535.4m-560kc) Ben Bernie and his or-Firrts: The Four Logarity (1988) Ben Bernie and his or chestra, 11:30 p.m. 10:30 9:30 8:30 8:30 WWJ (332.7m-850kc) Hollywood Frivolities, 12 mid. 11 10 9 KFI (468.5m-640kc) Packard symphonette,

Regular Friday Features

Regular Friday reacures

Eastern Time Stations

KDKA Pittsburgh, Pa. (318,6m-850kc) 7 p. m. U. of P. address; 7:30-10, N. B. C., 10, trio.

WAIU Columbus, O. (282,8m-1060kc) 8 p. m. trio; 9, Columbia chain; 10:30, band. (285,5m-1050kc) 6:30 p. m. dinner orchestra; 7:30, N. B. C., 8, quariet; 9, N. P. C., 10 meanwhile. dinner orchestra: 7:30, N. B. C., 8, quartet; 9, N. R. C.; 10, ensemble, WBZ Springfield, Mass. (333.1m-900k-) 6:15 p. m orchestra; 8:30-11, N. B. C.; 11:05, orchestra.

WCAE Pittsburgh, Pa. (461.3m-650kc) 6 p. m, dinner concert; 8-11, N. B. C.; 11, orchestra.
WCSH Portland, Me. (365.6m-820kc) 8 p. m. Treas-WHO, WOW, WIAF, WIRIJ, 10, Familian WEEL Boston, Mass, (508.2m-590kc) 7:30-10:30 p. in. N. B. C.
WELA Clearwater, Fla. (518.9m-580kc) 8:30 p. in. organ and artists; 10, dance program.
WGHP Detroit, Mich. (277.6m-1080kc) 6:50 p. in. or-chestra; 7, 1.ady Moon; 9-11, (olumbia chain program. chestra; 7, Lady Moon; 9-11, Common chain , ..., gram.
WGR Buffalo, N. Y. (302,8m-990kc) 8-11 p. m. N. B. C.; 11, orchestra.
WGY Schenectady, N. Y. (379,5m-790kc) 7;30 p. m. dinner music; 9, WEAF; 10, WEAF; 10, The Gram of the Weaf; 10, WEAF; 11, program.

WMAK Buffalo, N. Y. (545.1m-550kc) 6:30 p. m. dinner music; 7:15, news; 9, Columbia chain; 11. dinner music; 7:15, news; 7, Comming dance program.

WMCA New York, N. Y. (370.2m-810kc) 6:30 p. m. orchestra; 10, music; 11, Parody club, WNAC Boston, Mass. (461.3m-650kc) 7 p. m. dinner concert; 8, organ; 9, Columbia chain; 11:05, dance music. concert; 5, organ; 9, common chain; 120 p. m. music.

WOO Philadelphia, Pa. (348.6m-860kc) 7:30 p. m. W(N) trio; 8:30, address; 9, modern program; 10:30, dance orchestra.

WOR Newark, N. J. (422.3m-710kc) 6:15 p. m. songs; 9, Columbia chain; 11, orchestra.

WGA Atlantic City, N. J. (272.6m-1100kc) 8 p. m. music; 10:30, songs; 11, orchestra; 11:30, dance orchestra. music; 10:30, songs; 11, orenestra, t.e., orchestra, orchestra.

WQAM Miami, Fla. (384.4m-780kc) 7 p. m. organ; 8, hand; 11, organ

WRC Washington, D. C. (468.5m-840kc) 6 p. m. N. B.

WRC Washington, D. C. (468.5m-840kc) 7 p. m. pro-musicale: 9, WEAF, 7.50, musicale: 9, m. ordostrois 8, WEAF, 11, orchestra; 8, WEAF, 11, orchestra; 8, WEAF, 11, orchestra;
WTIC Hart(ord, Conn. (535.4m-560kc) 7 p. m., talk;
8.9:30, WEAF; 9:30, music; 10, N. B. C.; 11, ordostrois 9, WEAF; 9:30, Music; 10, N. B. C.; 11, ordostrois 9, WEAF; 9:30, Music; 10, Music; 10, Music; 10, Music; 10, Mus

chestra,
WWJ Detroit, Mich. (352.7m-850kc) 6 p. m. concert;
7, Michigan Night; 8-11, WEAF; 11:30, frolic, Central Time Stations

KFAB Lincoln, Nebr. (319m-940kc) 5:30-6:30 p. m. Hotel Lincoln orchestra; 8-10:30, program; 11-1, orchestra Theel Lincoln orchestra; 8-10130, program, orchestra; KMA Shenandoah, Ia. (394.5m-760kc) 7 p. m. band. KOIL Council Bluffa. Ia. (319m-840kc) 7 p. m. program; 9, artists; 12, Pow-Wow. KSD St. Louis, Mo. (345.1m-850kc) 6 p. m. WEAF; KSD St. Louis, Mo. (345.1m-850kc) 6 p. m. WEAF; KSD St. Louis, Mo. (345.1m-850kc) 8 p. m. specialties; 8-30, spirituals; 9-10-33, rochestra 780kc) 8 p. m., specialites; 6:50, spirituals, 7-15-16, orchestra, KVOO Tulsa, Okla, (348.6m-860kc) 7, WEAF; 8, musicale: 9, N. B. C. KYW. Chicago, III. (526m-570kc) 7-9 p. m. N. B. C.; 9:05, Al and Pere; 9:30, program; 10:30, Serenaders WBAF Fort Worth, Tex. (499.7m-600kc) 6 p. m. orchestra; 5, WEAF; 8:30, popular songs, WBBM Chicago, III. (385.4m-770kc) 7-11 p. m. musicals wBCN Chicago, Iil. (288.3m-1040kc) 7 p. m. popular program, neapolis-St. Paul, Minn. (405.2m-740kc)
WCCO Minneapolis-St. Paul, Minn. (405.2m-740kc)
7 p. m., N. B. C.; 9:30, quartet; 10, dance orchestra.
WCFL Chicago, Ill. (483.6m-620kc) 6-12 mid., pro-WCOA Pensacola, Fia. (249.9m-1200kc) 8 p. m. pro-WDAF Kansas City, Mo. (370,2m-810kc) 7-10 p. m. N. B. C.; 11:45-1 a. m., Nighthawk frolic, WDOD Chattanoosa, Tenn. (243,8m-1230kc) 7-10 D. m., music, WEBH Chicago, III, (365,6m-820kc) 7-8 p, m. artists; 8, WEBF, 9-11, orchestra, WENR Chicago, III. (288,3m-1040kc) 6 p, m. organ; 8, classical program 9:30, studio program, WFAA, Dallas, Tex. (545,1m-550kc) 7 p, m. music; 9, program, 9, program. WGN-WLIB Chicago, III. (416,4m-720kc) 7-12:30 a. m. program.

WHAS Louisville, Ky. (322.4m-930kc) 7;30 p, m. studio concert; 8-10, N. B. C.

WHB Kansas City, Mo. (340.7m-880kc) 7-8 p. m. WHB Kannas City, Mo. (340.7m-880kc) 7-8 p. m. talk.
WHO Des Moines, Ia. (535.4m-560kc) 6.30 n. m. program; 8:30-11, N. Il. (5:11, orchestra.
WHT Chicago, III. (305.5m-980kc) 8:30-10 p. m. nunsicale: 11-12, your hour league.
WIBO Chicago, III. (305.5m-980kc) 7:10 p. m. musicale: 10, popular program.
WJAL Chicago, III. (253m-1140kc) 7 p. m. dinner cgm.
WJAL Chicago, III. (383-4m-770kc) 6 p. m. orchestra.
artists; 11-12:30, music.
WJJD Chicago, III. (385.5m-820kc) 8-8:30 p. m. musicale hour: 11-1. a. m. Victorians.
WLS Chicago, III. (344.6m-870kc) 7:20 p. m. Dino: 10, Showboott: 11-12, popular.
WMAQ Chicago, III. (447.5m-670kc) 6 p. m. chimes.
8. M. Milling, III. (347.5m-670kc) 6 p. m. chimes.
8. M. MAQ Chicago, III. (447.5m-670kc) 6 p. m. dinner.
WMAQ Chicago, III. (447.5m-670kc) 6 p. m. dinner. "Richambia chain: 10, WQJ channer music prayers, 11, WQJ [1, WQJ]
WMBB Chicago, Ill. (252m-1190kc) 6 p. m. dinner concert; 7, ensemble; 8:30, Trianon orchestra, WMBI Chicago, Ill. (252m-1140kc) 8:9 p. m. Sunday Sunday School lesson, WMC Memphis, Tenn. (516-9m-580kc) 8:10 p. m. N. WMC Memphis, Tenn. (516-9m-580kc) 8:10 p. m. program. WOC Davenport, Ia. (374.8m-800kc) 7-10 p. m. N. B. C. WOS Jefferson City, Mo. (422.3m.710kc) 7 p. m. U. S. Radio farm school; 8, program. WOW Omaha, Nebr. (508.2m.580kc) 6 n. m. Hugo Heyn, marimba; Emil Hofmann, pianist; 8-10, N. B. C.; 10, orchestra. WSB Atlanta, Ga. (475.9m.630kc) 8 p. m. N. B. C.; 10;45, concert, 10:45, concert. WSM Nashville, Tenn, (336,9m-890kc) 8-10 p. m. N.

WSM Nashville, Tenn, (336.8m-890kc) 8-10 p. m. N. B. C. WTMJ Milwaukee, Wis. (293.9m-1020kc) 7 p. m. classical program: 8, hour of classics; 10, WEAF. Mountain Standard Time Stations KOA Denver, Colo. (325.9m-920kc) 7:30 p. m. S. S. lesson; 8, musicale; 9, dance orchestra. KOB State College, N. M. (394.4m-760kc) 7:30 p. m. orchestra.

orchestra.

Pacific Time Stations

KFI Los Angelea, Calif. (468.5m-640kc) 7 p. m. organ; S. N. B. C.; 10, music.

KFOA Seattle, Wash. (447.5m-670kc) 9-10, N. B. C.; 10:30-12, KGW.

# ANNOUNCERS INVITED TO WWNC PARTY

KFRC San Francisco, Calif. (454.3m-680kc) 6:30 p. m. program: 9, studio program: 10, dance music, program: 9, studio program: 10, dance music, program: 10, dance music, program: 10, dance music, program: 11, dance music, program: 11, dance music, program: 11, dance music, program: 11, dance music, program: 12, dance music, progr pany; 10, concert; 10:30, Hoot Owls, KMO, KFOA, KHQ. KHQ Los Angeles, Calif. (416.4m-720kc) 7-11 p. m. program, KJR Seattle, Wash. (348.6m-860kc) 6:30 p.m. dinner hour; 8:10, program; 10:12, dange orchestra. KLX Oskiand, Calit. (508.2m-590kc) 8 n.m. special program; 9:10, Athens Athletic club orchestra. KNX Hollywood, Calit. (336.5m-890kc) 7 p. m. feature: 8, 9, 10, features: 11, Hotel Ambassador, KPO San Francisco, Calif. (422.3m-710kc) 6:30 p, m, program; 8-10, N, B, C.; 10, dance orchestra,

Friday, silent night for: CFCA, CKCL, KPRC, KPSN, WCBD, WFI, WIP, WSMB

# SATURDAY, FEBRUARY 4 Headliners

Eastern Central Mountain Pacific 6;30 p. m. 5;30 4;30 3;30 WBZ (333,1m-900kc) Jack Morey and his sing ing orchestra chestra.
7:30 p. m. 6:30 5:30 4:30
WBAL (285.5m-1059kc) Morgan College Jubilee singers, WHZ (333.1m-900kc) Antelia Frantz, soprano, 7:45 p. m. 6:45 5. 45 k. KIJKA (315.6-250k.) Gems of American literature, Elbert R. Moses, KVOO (45k.50m-850kc) June Collier and his or-KVOO (388.6m-860ke) June Collier and his orchestra.

8:30 p.m. 7:30
KVOO (348.6m-860ke) Metropolitan male quartet.
WLS (344.6m-8.0fe) National Barn Dance.

9 p.m. 8
FCFCA (356.9m-840ke) CFCA ensemble.
KFAB (19m-44 ke) Lincoln Solou orchestra.
WCFL (488.6m-6.0fe) Earl Hoffman's Chee Fierre
orchestra.
WHH (340.m-880ke) Earl Hoffman's Chee Fierre
orchestra.
WHH (340.m-880ke) Ruth Vunnge, pianist
WH (340.m-880ke) Ruth Vunnge, pianist
WH (340.m-880ke) Natalie Arnoux, violinist,
10 p.m. 80
FWN (400m-780ke) Panama hour.
WKUN (400m-780ke) Panama hour.
WKUN (516.9m-589 ke) Vuney Park orchestra.
10:30 p.m. 93
KTH (468.5m-690ke) Felipe Delgado, Spanish bari10me. tone, KMBC (270.1m-1110kc) Royal players, 11 p. m. 10 9 8 KVOO (348.6m-86 kc) Gustav Brandborg, baritone, WSUN (516,9m-580kc) Billy Goat club, 11:05 p. m. 10:05 9:05 8:05 WHAM (280,2m-107)ke) Hotel Kenmore orchestra. m. 12 mid. 11 10 KF1 (468.5m-640kc) Ed. Crossbau, contralto. 22 mid. 12 mid. 12 mid. 14 KF1 (468.5m-640kc) Los Angeles Fire Dept. orchestra.
KOIN (319m-946ke) Welfort Merchankers' frolic.

Regular Saturday Features

7:30, Junies Signa, a. Marylanders, WBZ Springfield, Mass. (333.1m-900kc) 7:30 p. m. musicale; 8:10, program; 10:20, flotel Statler ormusicale; 8:10, pogram; 10:20, flotel Statler orchestra;

WCAE Pittsburgh, Pa. (461.3m-650kc) 6 p. m. dinner connect; 9:12, orchestra;

WEAF New York, N. Y. (491.5m-610kc) 6 p. m.
dinner music, WEEI, WR; WCAE, 7, South Sea
Islanders, WWI, WTAG; 7:30, light Jukers, WY,
WCAE, WWI, WTAG; 7:30, light Jukers, WY,
Chestra; WWI, WTAG; 7:30, light Jukers, WWI,
WMC, II, Eark Central orchestra, WWI,
WEEI Boston, Mass. (508-2m-590kc) 7:20 p. m. orchestra; 8, WEAF; 11:05, cruising the air; 11:35,
news. mews.
WFI Philadelphia, Pa. (405.2m-740kc) 8 p, m, program: 10, orchestra,
WGR Buffalo, N. Y. (303m-990kc) 8 p, m, N, B, C. programs WGY Schenectady, N. Y. (379.5m-790kc) 7:30 p. m. X. R. C.; 10:30, N. R. C.; 11, dance orchestra. WHK Cleveland, Ohio (265.3m-1130kc) 8 p. m. program. WIP Philadelphia, Pa, (348.6m-860kc) 7 p, m. bedtime story: 9, concert; 9:45, quartet; 10:30, dance or-WIF Funescope story; 9, concert; 9,:45, quarter, story; 9, concert; 9:45, quarter, story; 9, concert; 11, organ.
WJAX Jakksonville, Fla. (340.7m-880kc) 8:05 p. m. program; 9, WJZ; 10, dance music.
WJR-WCX, Detroit, Mich. (440.9m-680kc) 7 p. m. dr. (440.9m-680kc) 7 p. m. orchestra; 8, WJZ; 10, Personality Girls; 10:30, orchestra; 8, WJZ; 10, Personality Girls; 10:30, orchestra. wJR-WCA. Pertual and Pertuality Girls; 10:30, orchestra. Revr. J. 20, orchestra. WJZ New York, N. Y. (454-2m-560kc) 7 n. m. Hotel Astor orchestra; 8. New York symphony. WEEL, WTIC, WJAR, WTAG, WC-H, WHAM, KJKA, WHAM, WSH, WSH, WSH, WHAS, WLW, WJR, KYW, WCCO, KSD, WC-WJAF, WHO, WWR, WJR, WJAK, music.

WLW Cincinnati, O. (428m-700kc) 7 p. m. Mona Motor hour: 8, WJZ; 9, WJZ: 11, orchestra.

WLWL New York, N. Y. (370.2m-810kc) 6 p. m. Mak Buffalo, N. Y. (545.1m-550kc) 7:30 p. m. Musicale; 8:30, program, 9, musicale; 11, news; Musicale: 8-30, program, 9, musicale, 74, 11:05; WMAK follies.

WMCA New York, N, Y, (370.2m-810kc) 6:30 n. m.

wheater 8, musical extravaganza; 9, boxing WMCA New York, constraints, mysical extravaganza, ponts; 11, entertainers.

WNAC Boston, Mass. (461,3m-650kc) 7 p. m. orchestra; 8, musicale; 11,0%, dance orchestra.

WOR Newark, N. J. (422,3m-710kc) 6:15 p. m. encemble; 9, cyclestra; 11,0%, orchestra.

WPC Atlantic City, N. J. (222,6m-1100kc) 6:45 p. m. organ; 8, dance orchestra; 19,45, Sulway Boys; 10, organ; 8, dance orchestra; 19,45, Sulway Boys; 10, studio program; 11:79, dance orchestra. WQAW Miami, Fla. (384.4m-780kc) 7 p. m. organ; WRC Washington, D. C. (468.5m-640kc) 8-10:30 p. m. N. B. C.; 10:30, orchestry, WSAI Cincinnati, Ohio (361.2m-830kc) 7:30 p. 91, program; 10, WEAF; 11:30, Maids of Melody; 12, withestra WSEA Norfolk, Va. (263m-1140kc) 6:45 p. m. dinner concert; 8. recital; 11. dame orchestra. WSUN St. Petersbury, Fla. (516.3m-580kc) 7 p. m. Florida theater program; 9:95, studio program; 10. dame orchestra; 11. Billy Goat club. WTAG Worcester, Mass. (516.9m-580kc) 8 p. m. proyram; 0-1; 8. ft. (399.8m-750kc) 6 p. m. orchestra; 7, studio concert; 8. Indians; 10. minimum orchestra; 7, studio concert; 8. Indians; 10. minimum orchestra; 7, studio concert; 8. Indians; 10.

chestra; 7, studio concert; 8, Indians; 10, min-strel; 11, dance orchestra. WTIC Hartford, Conn. (535.4m-560kc) 6:30 p. in. dinner group; 8, N. B. C.; 9, N. B. C.; 10, dance

orchestra.

WWJ Detroit, Mich, (352.7m-850kc) 7-10 p. m.

Central Time Stations

KFAB Lincoln, Nebr. (319m-940kc) 5:30-6:30 p. m. Hotel Lincoln orchestra; 8-9, orchestra; 9-10, Chamber of Commerce program, KMA Shenandoah, Ia. (394-5m-760kc) 7 p. m. songs. KOIL Council Bluffa; Ia. (319m-940kc) 7 p. m. string quartet; II, Amharsadors; I2, Fow-Vow, KPRC Houston, Tex. (293,m-1020kc) 7:30 p. m. dame tricketralegs. National Park, Ark, (384-6m-780kc) B. m. semiclassical gene; 8:36, musuale; 9, dames concert; 9:30, ensemble, KVOO Tulsa, Okla, (348-6m-860kc) 6:45 p. m. papular songs; 8, WJZ; 8:30, concert. KYW Chicago, III. (526m-570kc) 6:45 p. m. papular songs; 8, WJZ; 8:30, concert. KYW Chicago, III. (526m-570kc) 6:45 p. m. papular songs; 8, WJZ; 8:30, concert. KYW Chicago, III. (526m-570kc) 6:32-7 p. m. dimer concert: 7-5, N. B. C.; 9:05 Carnival; I0, Arctic inroadiests. maderates Worth Tex. (499.7m-600kc) 6 p. m. or-WBAstra 8, WJZ. WBBM Chicago, III. (389.4m-770kc) 7 p. m. or-chestra 9:45, popular numbers; 11:15, theater specialties. WBCN Chicago, Ill. (288.3m-1040kc) 7 p. m. classical WCCO Minneapolls-St, Paul, Minn. (405.2m-740kc) hotel orchestra; 8, WJZ; 10, dance program, WCFL, Chicago, Ill. (483,6m-620kc) 6-12 mid. entertainment.
WDAF Kansas City, Mo. (370.2m-810kc) 7-9 p. m.
N. R. C.: 9 popular program: 11:45-1 a. m., Nigh-N. B. C.; 9, popular program, constant fully hawk frolic, webb. Chicago, III. (365.6m-820kc) 7 p. m. classical bourt 11-12, orchestra. hunr; 11-12, orchestra, WENR Chicago, III. (288.3m-1040kc) 6 p. m. organ; 8, classical program; 9.30, popular program. WFAA Dallas, Tex. (545.1m-550kc) 7-8 p. m. artists; 9-11, mm dcale; 11-11.30, orchestra; 11-30-12.30 a. m. Palace theater (cature; organ recital.

Eastern Central Mountain Pacific
5 p.m. (280,2m-1070kc) "Musical Milestones,"
Marjorie T. Mackown,
6 p.m. 5
KRLD (230,6m-1300kc) Dallas Woman's club,
WOW (508,2m-500kc) Hedi Korngold and Rebecca
Davidson, sonata program, KRI D. (220,6m-1300kc) Dallas, Woman's chib, WOW (508,2m-500kc) Hedi Korngold and Rebecca Davidson, sonata program, 4:30
WILAM (280,2m-14070kc) Herside forma, 4
WILAM (280,2m-14070kc) Eastman Teater Horr, WI.S. (344,6m-870kc) WI.S. Little Brown Church in the Vale; Bach chorus, 8 p. m. (5 kg; Bach chorus, 8 p. m. (7:30 kg; Bach chorus, 8 p. m. (8:30 p. m. 6:30 kg; Bach chorus, 9 kg; Ba NJIC (440.0m-680kc) Louise Hemming, soprano. 10.9, m. 9 KTHS (354.4m-780kc) Music Lovers Hour by Eastman ensemble. WJR (440.6m-680kc) Happy half hour of Heaven and Home. and Home. 10:35 p. m. 9:35 8:35 7:35 (-1 (408.5m-640kc) Bub Buckner and his Sole 10:45 p. m. 9:45 8:45 7:45 W(C) (405.2m-740ke) Hugo Philler Goodwin.

11 p. m. 10 9 8 KFAB (319m-940kc) Union College symphony

I TAKES just three to make up the very popular WBAL Ensemble at Baltimore. But the three have been compared to a small symphony for the artistry with which they perform. They possess an unlimited repertoire, but the listeners call on them more frequently for "refined popular" selections. From left to right are seen: Michael Weiner, Leroy Evans and Maurice Stern.

WCN-WLIB Chicago, III. (416.4m-720kc) 7-12:30 M. m. music.

WHAS Louisville, Ky. (322.4m-930kc) 6:50 p. m. m. mik; 7-9 N. B. C. m. m. k; 7-10 m. m. N. R. C.; 11, m. cheedra, m. 800kc) 8:30-10 p. m. pro-WHBO Chicago, III. (305.9m-890kc) 7:10 p. m. musicale; 10, pomilar, program cale: 10, popular program WJAZ Chicago, III. (263m-1140kc) 7 p. m. dinuer concert: 9, studio, WJBT Chicago, III. (389.4m-770kc) 6 p. m. program; 11 organ.
WJJD Chicago, III. (365.6m-820kc) 6 p. m. symplomy: 8-11. Palmer Hone program.
WLAC Nashville, Tenn. (226m-1330kc) 7 p. m. children's period; 8-9. program.
WLS Chicago, III. (344.6m-870kc) 7:30-1 a. m. barn dance

MMAQ Chicago, III. (447.5m-670kc) 8. photologue;
8:30, song circle; 5:15, Chicago, theater revue; 10,
Seremaders, WQ III. (252m-1190kc) 6-7p, m. dinner
concert; 7-8:59, Trianom ensemble; F:30-16, popular wMC Memphis, Tenn. (516.9m-580kc) 7-9 p. m. gram. WSM Nashville, Tenn, (336.9m-890kc) 8-9 p. m, N. R. C.; 9-11:30, barn dance. WSMB New Orleans, La, (286.9m-1010kc) 8-30-10-30 p, m, Public School of the Air program; organ Solosi
WTMJ Milwankee, Wis. (293,9m-1020kc) 8-9 p. m.
X B. Colosia. Musicale.

Mountain Time Stations
KOA Denver, Colo. (325.9m-920kc) 9-11 p. in. dance

Pacific Time Stations

KFI Los Angeles, Calif. (468.5m-640kc) 7;30 p. m. program; 8:10, N. B. C.; 11, frolic.

KFRC San Francisco, Calif. (484.3m-660kc) 6:30-7 p. m. Ceciliaus; 8:10, orchestra; 10:12, dance music.

KFWB Hollywood, Calif. (252m-1190kc) 6:7 p. m. Poutiac dinner hour; 8:9, program, Mona Motor Oil Company; 9:10, musicale; 10:11, program, KGO Oakland, Calif. (384.4m-780kc) 8:11 p. m. N. B. C.; programs; 11, orchestra, N. B. C.; programs; 11, orchestra, KGW Portland, Ore, (491.5m-610kc) 6-7 p. m. dinner music: 8-9. National Broadcasting company: 10-12. dance music. KHJ Los Angeles, Calif. (416.4m-720kc) 6:15 p. m. programs: 7-11, musicale.

KJR Seattle, Wash, (348.6m-860kc) 6-10 p. m. studio program; 10-12, dance orchestra.

KPO San Francisco, Calif. (422.3m-710kc) 6:30 p. m. dance profestra. 8. National Broadcasting company,

Saturday, silent night for: KFDM, KGA, KLX, KOB, WCBD, WCSH, WGHP, WJAR, WOAI, WOS. WRVA,

# SUNDAY, FEBRUARY 5 Headliners

Eastern Central Mountain Pacific 3:30 p. m. 2:30 (2:30 KF) (483.6m-620ke) Savoy Ballroom orchestras; Bill Schack (GY (47.5m-790ke) Eastman symphony orenestra. 4:15 p. m. 3:15 2:15 1:15 WO1 (265.3m-1130kc) Homespun Philosopher; WGID (27m-1080%) Arcadiana.
WMAY0 (447.5m-670%) "The De Luxe Dreamers."
11:30 p.m. 10:30
Willip (27m-1080%) Capitol theater organ.
11:45 p.m. 10:45
WGI (25.5.3m-1130%) Chimes concert.

### Regular Sunday Features Eastern Time Stations

CFCA Toronto, Can, (356.9m-840kc) 7 p. ni, service; 8:15, musicale. KDKA Pittsburgh, Pa. (315.6m-950kc) 7 p. m., service; 8:15-11:15, N. B. (282.2m-1060kc) 8 p. m. music. WBAL Baltimore, Md. (285.5m-1050kc) 8:10, p. m. file. 1; 6:30, N. B. C., 7, concert orchestra; 8, music. sicale.
WBZ Springfield, Mass. (333.1m-900kc) 2 p. m. WJZ;
7:50, Hotel Statler ensemble; 8:15, N. B. C.; 10:05, WEST STATES THE PRINCIPLE STATES AND ASSESSED AS A WASTA WITH STATES AND ASSESSED AS A WASTA WAS Biblical drama, WRC, WGY, WFI, WHO, WOC. WEEI Boston, Mass. (508.2m-590kc) 7:30 p. m. musicale: 9:15. WEAF: 10:15. crusing the air: 10:20. Keith's Radio revue.

WFI Philadelphia, Pa. (405.2m-740kc) 4:30 p. m. chapel; 5:30, WEAF; 9:15, WEAF.

WGBS New York, N. Y. (349m-860kc) 8:30 p. m. pro-WGHP Detroit, Mich. (277.6m-1080kc) 3 p. m. Co-lembia chain; 9-11. Columbia chain; 11-11:30, Ar-cidans, 11:30-12:30, craan. WGR Buffalo, N. Y. (302.6m-890kc) 10:45 a. m. serv-WGR Buffalo, N. Y. (302.am.990kc) 10:45 a. m. service; 7:30 p. m. service; 9. N. B. (...)
WGY Schenectady, N. Y. (375.5m.790kc) 10:30 a. m. service; 3:30 p. m. orchestra; 4. Y. M. C. A.; 5:30-10:45, N. B. (...)
WHK Cleveland, O. (265.3m-1130kc) 6:30 p. m. dinner concert; 7:30, Bible Students assu; 8:45, pianist, WHN New York, N. Y. (394.5m.750kc) 6 p. m. program; 11, organ; 11:30, club orchestra, program; 11, organ; 11:30, club orchestra, which was the service of the Cook's rour, WIZ, WIZ, WILM, KYW, 6.30, KWK; 7, organ; 7:30, musical literature, WIZL, WIZ, KDKA, WJR, KYW, WIZL, WIZ, KDKA, WJR, KYW, WIZL, Selfs, Collier hour, WIZZ, KDKA, KYW, WIZL, W forum: R. service.

WMAK Biffalo, N. Y. (545.1m-550kc) 7:35 p. m. service: 9. Columbia chain.

WNAC Boston, Mass. (461.3m-650kc) 7:30 p. m. service: 9. Columbia chain: 10. Columbia chain.

WOO Philadelphia, Pa. (346.6m-860kc) 2:30 p. m. exercises; 6, organ; 7:30, service, WOR Newark, N. J. (422.3m-710kc) 3-5 u. m, Columbia chain; 7:45, Sunday evening musicale; 9, Co-

WPG Atlantic City, N. J. (272.6m-1100kc) 4:15 p. m day evening musicale, WQAM Miami, Fla. (384.4m-780kc) 7 p. m. program, WRC Washington, D. C. (468.5m-640kc) 11 a. m. WIZ: 2. orchestra; 4, Washington connect 6:15. Time; 8:15, program; 9:15, WEAF; 10:15, WEAF, WSEA Norfolk, Va. (263m-1140kc) 7 p. m. dinner WTAG Worcester, Mass. (516.9m-580kc) 6:30-9:15 p. m. N. B. C. 2 9:16, news. WTAM Cleveland, O. (399.8m-750kc) 3 p. m. mu-sicale: 6:30, WLAF: 7:20, studio program; 8, servsicale; 6:30, WEAF; 7:20, studio prograin; 8, service; 9:15, WEAF; 10:15, orchestra, WTIC Hartford, Conn. (535-4m-580kc) 5:30 p. n. ens-emble; 6:300-9:15 n. m. N. B. (C.; WJJ Detroit, Mich. (352./m-850kc) 10:30 a. m. services; 7;20 p. m., N. B. C.; 9, piano recital; 9:15, ices: 7:20 p. m., s., s., N. B. C. N. B. C. WWNC Asheville, N. C. (296.9m-1010kc) 7:30 p. m.

Central Time Stations
KFAB Lincoln, Neb. (319m-940kc) 11 a. m. service; KFAB Lincoln, Neb. (319m-940kc) 11 a. m. servenski pp. m., symphomy, KLDS Independence, Mo. (270.1m-1110kc) 8;30 a. m. Bible Study; 11 studio service; 2 p. m. KLDS string quartet; 3. Radio church; 6;30, vessiers sermon; 9;15, services, choir. KDLS services, choir. Not Gaudiel Bluffs. la. (319m-940kc) 10 a. m. service; 2 p. m., Churchia chain; 7:30, children's hoursel. 11:30, Ambassadors, KPRC Houston, Tex. (293.9m-1020kc) 7:30 p. m.

KPRC Houston, Tex. (233-9m-1020kc) 7;30 p. m. Nervice. KSD St. Louis. Mo. (545.1m-550kc) 6;20 p. m. WEAF; KSD St. WEAF. KSD Tules. Okla, 4348-6m-860kc) 5 p. m. gospel hour; 6;30, piano; 7;30, vocal concert; 8:15, WEAF. KYW Chicago, III. (526-m-570kc) 1 p. m. WJZ; 7:15-K15, WJZ, 8:17, good reading; 9:15, WJZ. St. KSD St. Worth. Tex. (498,7m-800kc) 5 p. m. sacred WBBM E. Worth. Tex. (498,7m-800kc) 5 p. m. sacred WBBM Chicago, III. (389-4m-770kc) 12 mid., Nutty club, WCBD Zion, Ill. (344.6m-870kc) 8 p. m. trios, mixed quartet, Zion choir WCCO Minneapolis-St. Paul, Minn. (405.2m-740kc) 9:45 a. m. services: 10:50, services: 4:10 p. m. House of Hope Presbyterian church; 7:15-10:15, N.

B. C. WCFL Chicago, III. (483.6m-620kc) 6:30 p., m. Utah WDAF Kansas City, Mo. (370.2m-810kc) 8:15 p. ni. tel orchestra. WENR Chicago, Iil. (283.3m-1040kc) 9:30-11 p. m. wenk Chicago, an classical (rogram, classical) (rogram, WFAA Dallas, Tex. (545.1m-550kc) 2:45 p. m. Farmore' hour, musical; 6-7, Bible class; 8:15, WEAF;

9:15, musicale; 11-12, orchestra.
WGN-WLIB Chicago, Ill. (416.4m-720kc) 7-12:30 a. m. music. WHAS Louisville, Ky. (322.4m-930kc) 10 a, m. services 4:30 n. m., N. B. C.; 6:20, WEAF; 8:15, orices 4:30 p. m., N. B. C.; 6:20, WEAF; 8:15, or-chestra.
WHB Kanasa City, Mo. (340.7m-880kc) 6:30 p. m. Radio service; 11:15, organ.
WHO Des Moines, lowa (535.4m-560kc) 6:15 p. m. N. B. C.; 7:15, dinner concert; 8:15-10:15, N. B. C.
WHT Chicago, III. (305.9m-980kc) 8:30 p. m. sacred concert. WIBO Chicago, Ill. (305.9m-980kc) 7:10 p. m. prowram: 10, concert. WJAZ Chicago, Ill. (263m-1140kc) 7-9 p. m. studio WJBT Chicago, Ill. (389.4m-770kc) 10:30 a, m.-12 mid. Paul Rader. WJJD Chicago, Ill. (365.6m-820kc) 9 p. m. opera comwLAC Nashville, Tenn, (226m-1330kc) 6:30 p. m. service; 3:15, sacred music.

WLS Chicago, Ill. (344.6m-870kc) 1:30 p. m. chapel service; 6, WLS Lattle Brown church

service: 6, WLS Little Brown church. WMAQ Chicago, Ill. (447.5m-670kc) 7 p. m. Chicago Sunday Evening club; 9:15, Columbia chain: 10. De Sunday Evening Charles Luxe Dreamers, Luxe Dreamers, WMBB Chicago, III. (252m-1190kc) 3-6 p. m. orchestra; 7-40. Fifth Church of Christ Scientist; 9, popular program. WMBI Chicago, Ill. (263m-1140kc) 5 p. m. gospel Songs. WMC Memphis, Tenn. (516.9m-580kc) 6:20-9:15 p. m. N. B. C. WOAI San Antonio, Tex. (499.7m-600kc) 7:30 p. m.

WOAI San Antonio, Tex, (489.7m-600kc) 7:30 p. m. service;
WOC Davenport, Ia, (374.8m-800kc) 7 p. m. service;
8:15-9-45, WEAF; 9:15, program,
WOW Omaha, Neb. (508.2m-580kc) 9 a. m. services;
5:30 p. m., Bilde hour; 8:15, WEAF; 9:15, music.
WSB, Atlanta, Ga. (475.9m-630kc) 5 p. m. vesper;
WSBC Chicago; Ill. (232.4m-1290kc) 9-11 p. m. program; [12-1] a. m., ponular artists.
WSM Nashville, Tenn. (366.9m-890kc) 6:20 p. m.
WEAF; 8:15, WEAF.
WTMJ Milwaukec, Wis. (293.9m-1020kc) 6 p. m., dimer concert; 7, organ; 8-9:45, N. B. C.; 9:45 trio.

Mountain Time Stations
CFAC Calgary, Can. (344.8m-s30kc) 7:10 p. m. service,
KOA Denver, Colo. (325.9m-s20kc) 11 a. m. church
service; 5:30, organ; 7:45, service

Pacific Time Stations
KEX Portland, Ore. (239.9m-1250kc) 6 p. m. concert;
7:30. service; 8:30, studio program; 9, students 7:30, service; 8:30, studio association, association, KFI Los Angeles, Calif. (468.5m-640kc) 6:30 n. m. KFI Los Angeles, Calif. (468.5m-640kc) 6:30 n. m. N. B. C.; 8-9, classic hour; 9-10, orcnestra; 10-11, Fackard Six dance orchestra. KFOA Seattle, Wash. (447.5m-670kc) 6:30 p. m. sym-Francisco, Calif. (454.3m-660kc) 5 p. m. organ; 6:30, twilight recital; 8:30, orchestra; 10, KGO Oakland, Calif, (384.4m-780kc) 11 a, m. service; 7.35, service.

KGW Portland, Ore. (491.5m-610kc) 11 a.m. church;
7.30-9 n.m. church; 9-10, N. ll, C.; 10-11, symptony,
KHJ Los Angeies, Callf. (416.4m-720kc) 7-8 p. m.
service. First M. E. church; 8-10, program;
KHS Seattle, Wash, (336.6m-860kc) 10 a.m., program; KPO San Francisco, Calif. (422.3m-710kc) 6:30 p. m. symphony hour; 7:30, organ: 8:30, orchestra

Sunday, silent night for: KSFD, KLX, KMA, KOB, WFLA, WSMB, WRVA.

# MONDAY, FEBRUARY 6 Headliners

| Eastern | Central | Mountain | Pacific | 4:30 p. m. 3:30 · 2:30 | 1:30 p. m. 3:30 · 2:30 | 1:30 p. m. 3:30 · 2:30 | 1:30 p. m. 3:30 · chestra, 7:30 p. m., 6:30 WCCO (405.2m;740kc) Dick Long's orchestra. WLAC (252.4m;130kc) T. W. Schlater, Watkins' free night school. free night school,
8 p. m.
7
KRL1 (230.6m-1300kc) Marc Williams, cowboy | KRLD (290.6m-1300kc) | Marc Williams, cowboy crooner, | WFEL (483.6m-620kc) | Doris Schenk, Brit Squire, | R:30 p.m. | 7:30 | 6:30 | 6:30 | Grid | Grid | Right | Ri

 
 Eastern (1845 p. m.)
 Central (1945 p. m.)
 Mountain (6.45 p. m.)
 Pacific (5.45 p. m.)

 WOI (205.3m-1130kg)
 Veterinary talk, 7 p. m.
 8 p. m.
 6 p. m.
 6 p. m.

 CKNC (365.9m-840kg)
 Eveready novelty orchestory
 orchestory
 orchestory
 orenestra. 11:45 p. m. 10:45 9:45 WSB (475,9m-630kc) Melody artists.

# Regular Monday Features

Eastern Time Stations

KDKA Pittsburgh, Pa. (315,6m-950kc) 7:30 p. m.
WAIU Columbus, O. (282.8m-1040hc) dinner concert, 7,355-253 10, dance program, WBZ Springfield, Mass. (333.1m-900kc) 7:30 p. n. WJZ; 9, N. B. C.; 9:30, program; 10:05, talk; 10:35, program, WCAE Pittsburgh, Pa. (461.3m-650kc) 7 p. m. program; 8:30-10:30, N. B. C.; 10:30, orchestra; 11, gram; 8:30-10:30, N. B. C.; 10:30, orchestra; 11, orchestra; 2, chain, work of the property of when the state of WLWL New York, N. Y. (370.2m-810kc) 8 p. m. WLWL New York, N. 1. (370.cm-s100c) 8 p. m. services.

WMAK Buffalo, N, Y, (545.1m-550kc) 7:30 p. m. music: 9, Columbia chain.

WNAC Boston, Mass, (487.3m-850kc) 7:30 p. m. program: 9, Columbia chain.

WOO Philadelphia, Pa (387.8m-850kc) 7:30 p. m. dime musiciphia, Pa (387.8m-850kc) 7:30 p. m. dime musiciphia, Pa (387.8m-850kc) 7:30 p. m. or-chestra: 9, Columbia hour: 10:07, orchestra.

WPC Atlantic City, N. J. (272.6m-1100kc) 6:45 p. m. organ; 9, program; 10:30, orchestra: 11, Silver Slipper (10th dance orchestra; 1130 dance orchestra: WOAM Miami, Fla. (384.4m-780kc) 7 p. m. organ; 8, band. R. band.

WRC Washington, D. C. (468.5m-640kc) 7:30-10:30
n.m. N. B. C.; 10:30, syncopators,

WRVA Richmond, Va. (254.7m-1180kc) 8 p. m. orchestra; 9:10, musicale; 11, orchestra; 12, Back to WNYA Richmond (1991) (1991) (1992) (1994) (1 WTAG Worcester. Mass. (516.9m-580kc) 8 p. m. prowTAM Cleveland, Ohio (399.8m-750kc) 6 p. m. or-chestra; 8:30, WEAF, 10:30, studio program; 11:30. organ, S. So. Where, (\$35.4m.\$60kc) 6.30 n. m. program; 8, New Departure orchestra; 8:30-12. N. B. C. WWJ Detroit, Mich. (\$32.4m.\$60kc) 5 n. m. WEAF; 6:30, dinner concert; 2:451-50, N. B. C. WWWC Asheville, N. C. (\$35.5m.1010kc) 7 n. m. diuger music; 9, old-time music.

Central Time Stations
KFAB Lincoln Neb. (319m-840kc) 5:30-6:30 p. m.
Hotel Lincoln orchestrat; 8:30-10:30, orchestra.
KMA Shenandoah, Is., (394.5m-760kc) 7 p. m. music; 9-10:30 p. m., music, KOIL Council Bluffs, la. (319m-940kc) 6 p. m. en-semble; 7:30, classical program; 9, soloists; 12, semble; 7:30, dassical program; 9, soloists; 12, Indian Pow Wow. KPRC Houston, Texas (296.9m-1010kc) 7:30 p. m. KSD St. Louis, Mo. (545.1m-550kc) 9:30-10:30 p. m. KSO Clarinda, Ia. (227.1m-1320kc) 7:30 p. m. or-KSO Clarinda, Ia. (227.1m-1320kc) 7:30 p. m. or-chestra;
KTHS Hot Springs National Park, Ark. (384.4m-780kc) 8 p.m. vocal numbers; 8:30 p. m. leature
KYOO Tulsa, Okla, (244.6m-860kc) 7 p. m. Husking
Ree; 8:9-30, N. B. C.; 9:30, concert; 11:30, organ.
KYW Chicago, III. (\$26m-\$70kc) 6:30 p. m., N. B. C.;
N. B. C.; 9:35, Carnival; 10:32, Serenders,
VAMD St. Paul-Minneapolis, Minn. (222.1m-1350kc)
C.; 30 p. m. wrouram; 11:15, organ.
VBBM Chicago, III. (389-4m-770kc) 7 p. m. trio; 9,
dance period, 9:30, studio revue.
WCCO Minneapolis-St. Paul, Minn. (405.2m-740kc)
6:30 p. m. dinner concert; 8:30, N. B. C.; 9:30,
Legion program; Legion program. WCFL Chicago, III. (483.6m-620kc) 7-10 p. m. pro-WCFL Chicago, III, (485.6m-820kc) 7-10 p. m. program.
WCram: 10. pensacola. Fla. (249.9m-1200kc) 8 p. m. proWCram: 10. organ.
WDAF Kanasa City. Mo. (370.2m-810kc) 6 p. m. school of the air; 7:30-9:30, WEAF; 9:30. orchestra: 11-45-1, Nighthawk frolic.
WDOD Chattanooga, Tenn. 243.5m-1230kc) 7-8 p. m. innere hour: 9, studio program; 10, popular music.
WEBH Chicago, III. (385.6m-820kc) 7 p. m. innere hour: 9, studio program; 10, popular music.
WEBH Chicago, III. (385.6m-820kc) 7 p. m. innere musicale;
WCN-WLIB Chicago, III. (416.4m-720kc) 7-12:50
ion. program. HRC. program.

WHAS Louisville. Ky. (322.4m-930kc) 8 p. m. program; S.30, N. B. C.

WHB Kansas City. Mo. (340.7m-880kc) 7-8 p. m. mossiale; 8-9 WHO Des Moines, Ia. (535.4m-560kc) 6:30-11 p. m W.B.T. L. organist.
W.B.T. Checapo, Ill. (384,6m-870kc) 10 p. m. Canadian
W.S. Chicago, Ill. (344,6m-870kc) 7 p. m. Scrap book;
30. profestin.
WMAO Chicago, Ill. (447,5m-670kc) 6 p. m. dinner
frongram: y. Columbia chan; 10. serenalers, WQJ
WMC Memphs, Tenn. (516,5m-580kc) 8 p. m. farm
rab); P.O. S. B. C.; 9.30, concert.

WOAI San Antonio, Tex. (499.7m-600kc) 7-8 p. m., nrcliestra. WOC Davenport, la. (374.8m-800kc) 8:30 p. m. N. B. C.; 9:30, talks. WOS Jefferson City, Mo. (422.3m-710kc) 8 p. m. | 170gram, gram. WSM Nashville, Tenn, (336.9m.990kc) 6:30 p. m. WJZ; 8, music; 8:30, WEAF, WSMB New Orleans, La. (296.9m.1010kc) 8:30-10:30 p.m. Sunny South syncopators, theater orchestras. Billy Broussard, Louis Hoyer, popular songsters. WTMJ Milwaukee, Wis. (293.9m-1020kc) 7:30 p. m. orchestraf; 8:30, N. B. C.; 9:30-122 frolic.

Mountain Standard Time Stations NRC Calgary, Can. (434.8m-690kc) 9:30 p. m. pro KOA Denver, Colo. (325.9m-920kc) 8 p. m. Scheuer man's Colorado orchestra; 8:15, studio program.

Pacific Standard Time Stations
KEX Portland, Ore. (239,9m-1250kc) 7 p. m. program;
8, studio program.
KF1 Los Angeles. Calif. (468.5m-640kc) 7-8 p. m.
mussic: Ag. N. B. C.: 9-10, program. KPO; 10.

KFOA Seattle. Wash. (447.5m-670kc) 6:30 p. m. studio KFRC Sam Francisco, Calif. (454m-660kc) 7 p. m. KFRC Sam Francisco, Calif. (454m-660kc) 7 p. m. KGC Sapotane, Wash. (260.7m-1160kc) 6:45 p. m. program 10. dance usus: KGC Oakland Calif. (384.4m-780kc) 6:6:55 p. m. orchestra; 8-9, orange network; 9, book chat. KGW Portland. Ore. (491.5m-610kc) 8. National Broadcasting company; 9-10, concert. KLX Oakland, Callf. (508.2m-590kc) 9-10 p. m. Lake Merritt Ducks.

KPO San Francisco, Calif. (422.3m-710kc) 6:30-7 p, m, organ; 8-9, orange chain; 9-10, studio program; 10-11, program.

Monday, silent night for: CFCA, CKCL, KFDM, KLDS, WFI.

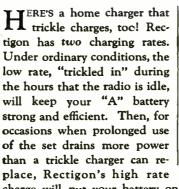
### TUESDAY, FEBRUARY 7 Headliners

Central Mountain WMAQ (447.5m-670kc) Garden club, James Bur-dett. 7:15 p. m. 6:15 S:15 WSB (475.9m-630kc) Metropolitan trio.

| Eastern | Central | Mountain | Pacific | 7:30 p. m. | 6:30 | 15:30 | Fill | 15: 8:15 p. m. 7:15 6:15 5:15 WEAO (282.8m-1060kc) "Good Taste in Color." II. Ledyard Towle. 8:20 p. m., 7:20 S:20 S:20 WLS (3446m-870kc) Bernice Ozmun. contralto; oriental songs. 8:30 p. m. 7:30 6:30 5:30 KLDS (270.1m-1110kc) Radio playlet, White asque players. (325.9m-920kc) Brown Palace hotel dinner concert, WTIC (535.4m-560kc) Dewing and Dewing pianolage.

9 p. m.
KTHS (384.4m-780kc) Toe Tappin' tunes, by Jack
Crawford and his orchestra.
WCBD (344.6m-870kc) Saxophone band; Celestial
bells; vocal trio.

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Eastern Central Mountain Pacific WCFL (483.6m-620kc) Red Peppers; Joe Warner. WEAO (282.8m-1060kc) Dick Fidler and orchestra.
WHB (340.7m-880kc) High Twelve trio,
9:30 p. m. 8:30
KFAB (319m-940kc) Van Sickle four
WHB (340.7m-880kc) Fred West, Madge Smith,
WSUN (516.9m-580kc) Elsie Barge, studio re-(535.4m+560kc) Coombs bouquet. 10 p. m. 9 8 7 KFI (468.5m-640kc) Chico de Verdi Gypsy string quartet, KMBC (270.1m-1110kc) Walton Lockman, pop-RMBC (270.1m-1110kc) Walton Lockman, popular songster.

RRLD (230.6m-1300kc) Paul Mills, tenor.

10:30 p.m.

WLAC (225.4m-1330kc) Crystal duartet.

WSM (336.9m-850kc) Marshall Polk, tenor.

11 p.m.

10 9

WHIM (389.4m-770kc) Coon Sanders' Night Hawks. 11:15 p. m. 10:45 9:45 8:45 WSB (475.9m-630kc) Spirituals, Bethel A. M. E. 12 mid. 11 10 9 WCFL (483.6m-620kc) Savoy ballroom orchestra.

# Regular Tuesday Features

Eastern Time Stations Toronto, Can. (356.9m-840kc) 8-10:30 p. m. N B. C. KDKA Pittsburgh, Pa. (315.6m-950kc) 8-10 p. m. WIZ. WBAL Baltimore, Md. (285.5m-1050kc) 6:30-7:30 p. m., dinner music; 7:30-9, N. B. C.; 9, ensemble; p. m., dinner music, 1.22. 10, dance music. WBZ Springfield, Mass. (333.1m-900kc) 7:03, orchestra; 7:30, ensemble: 8-10, N. B. C.; 10:05. Bos-WCAE Pittsburgh, Pa. (461.3m-650kc) 6 p. m. dinner concert: 8. musicale; 8:30, WEAF; 9, WEAF; 10:30 WCAL PITTSBUTEN : e. (2007)

Concert; 8, musicale; 8:30, WEAF; 9, WEAF; 10:30

WEAF; 11. orkan.

WCAU Philadelphia. Pa. (261m-1150kc) 6:30 p. m.

orchestra; 9, program; 10:30, orchestra.

WCSH Portland, Me. (365.6m-820kc) 8 p. m. Strand
theater; 9, WEAF; 12, Lions Club.

WEAF New York, N. Y. (481.5m-610kc) 8, Seiberling
Singers, and net; 9, Eveready hour, WEEI, WJAR,

WGR, WFI, WRC, WCAP, WTAM, WIN,

WGR, WSI, WCA, WCAP, WTAM, WIN,

WSB, WAL, WCA, WCAP, WTAM, WIN,

WSB, WAL, WCAP, WTAM, WIN,

WSB, WAL, WCAP, WTAM, WIN,

WSB, WAL, WCAP, WTAM, WIN,

WEEI Boston, Maas (508.2m-590kc) 7:30 p. m. mu
sicale; 8:11, N. B. C.; 10:30, Cruising the air; 10:40,

orchestra. orchestra; 8:30, WFAF;
WGHP Detroit, Mich. (277,6m-1080kc) 8-10 p. m., or-WCHP Detroit, Mich. (277,6m-1080kc) 8-10 p. m. musicale
WCR Buffalo, N. Y. (302,8m-990kc) 6:30 p. m. orchestra; 7. N. B. C.; 7:45. science news; 8-10:30.
N. B. C.; 10:30, studio programs; 11:30, frolics.
WCY Schenectady, N. Y. (379,8m-790kc) 8:30-11:30.
WCY Schenectady, N. Y. (379,8m-790kc) 8:30-11:30.
WHAN Schenectady, N. Y. (379,8m-790kc) 6 p. m. orchestra; 8. musicale; 11. organ,
WIP Philadelphia, Pa. (508,2m-590kc) 7 p. m. recital; 10, weekly movie; 10:30, orchestra; 8. p. musicale; 9. recital; 10, dance musicale; 7. p. m. dog talk; 7.15. orchestra; 8. Strumbers-Carlson hour, WIZ, KDRA, KYW, WJR, WHAM, WHAL, KWK, WHAM, KVOO, WFAA; 10:30, music; 11, Slumber musicales and proposed WilAM, KVOO, WFAA: 10:30. music: 11. Slumber music.
WLW Clncinnati, Ohio (428.3m-700kc) 7:30 p. m. orchestra; 9, Cossacks: 11. dance music.
WLWL New Clncinnation (10.5 musicale 0.3m-810kc) 6 p. m. WMAK Buffalo, N. Y. (484.1m-850kc) 7:30 p. m. musicale: 9, violin recital; 11:15, follies, WMAC Boston, Mass, (461.3m-850kc) 7:30 p. m. program; 8:30, Op'ry Ilouse; 9:45, quartet; 10, symphony; 11:05, dance musicale; 10:50, dance orchestra.
WFG Alantic City, N. J. (272.5m-1100kc) 6:15-11:05 p. m. organ; 8:15, concert; 10:30, musical romance: 11:30, dance orchestra. WPG Alantic City, N. J. (272.5m-1100kc) 6:45 p. m. orsan; 8:15. concert; 10:30. musical romance: 11:30. dance orchestra. (384.4m-780kc) 7 p. m. orsan; 7:40. dance orchestra. (384.4m-780kc) 7 p. m. orsan; 7:40. dance orchestra. (384.4m-780kc) 7 p. m. orsan; 7:40. dance orchestra. (384.2m-830kc) 7:30 p. m. N. B. C.; 10:30, orchestra. (384.2m-830kc) 7:30 p. m. Serenaders; 8, N. B. C.; 8:30, musicale; 9:01. N. B. C.; 10:30, sextet; 11:30, orchestra. (9:01. dance orchestra. (9

Central Time Stations KFAB Lincoln. Neb. (319m-940kc) 6:30 p. m. Good Will program; 7:30, U. of Neb.; 8, orchestra; 9. Jr. Chamber of Commerce. Will program; 7:30, C. of Neb.; 8, orcnestra; 9, Jr. (hamber of Commerce) (Andrew Co KSD 31. LOUIS, 700. (388.1m-3000C) 79 p. m. tribis Hot Springs National Park, Ark. (384.4m-7806c) 8 p. m. program.
KYOO Tulas, Okia. (348.5m-860kc) 6 p. m. dance music: 7, N. B. C.; 7330, entertainers; 8, U. of Tulas: 9:30, N. B. C.; 730, entertainers; 8, U. of KYW Chicago, III. (526m-570kc) 6:32-7 p. m. dinner program: 7-10, N. B. C.; 10, musicale: 10:32, berprogram: 7-10, N. enaders.

WBAP Fort Worth, Tex. (499.7m-600kc) 6 p. m. orchestra; 8, Uncle Superior.

WBBM Chicago, III, (388.4m-770kc) 7-10 p. m. program; 10, dance period.

WBCN Chicago, III, (288.3m-1040kc) 7 p. m. popular MYGBD Zlon City, Ill. (344.6m-870kc) 8 p. m. chorus celestial bells.

WCO Minneapolis-St, Paul, Minn. (405.2m-740kc) 7 p. m. musicale; 8, WEAF; 9:30. musical program WCFL Chicago. Ill. (483.6m-420kc) 6 p. nr. labor hour 7:15, program; 8:12, frolic.

WCOA Pensacela, Fila. (249.6m-1200kc) 10 p. m. Foot Warmers.

WDAF Kansas City, Mo. (370.2m-810kc) 7:30
p. m. WEAF; 9, program; 11:45-1, Nighthawk frolic
WDOD Chattanooga, Tenn. (243.8m-1230kc) 7:6
p. m. musicale.

WEBH Chicago, Ill. (365,6m-820kc) 7-8 p. m. orchestra; artists; 9-11, Uptown theater stage presentation.

WENR Chicago, Ill. (288.3m-1040kc) 6 p. m. organ:

8. classical program; 9:30, popular program.

WFAA Dallas, Tex. (545.1m-550kc) 7 p. m. WEAF;

9.9:30, musicale; 9:30, N. B. C.; 10, program; 11. Theater hour.

WGN-WLIB Chicago, Ill. (416.4m-720kc) 7 p. m. 12:30 a. m. program.

WHAS Louisville, Ky. (322.4m-930kc) 6-7:30 p. m.

N. B. C.; 7:30, studio program; 8, N. B. C.

WHB Kansas City, Mo. (340.7m-880kc) 8 p. m. studio WHO Des Moines, Iowa (535.4m-560kc) 6:30 p. m. orchestra; 6-7:30, N. B. C.; 7:30, music clubs; 9-11. N. B. C. WHT Chicago, 111 (305.9m-980kc) 8:30 p. m, program. WIBO Chicago, 111. (305.9m-980kc) 7:10 p. m. program; 10, concert. WJBT Chicago, 111. (389.4m-770kc) 11-1 a. m. popular program ular program.

WJJD Chicago, III. (365.6m-820kc) 6-7 p. m. dinner concert; 8, Tivoli theater; 11-1. Palmer House Victorians; Carroll and Grady.

| WLAC Nashville, Tenn. (226m-1330kc) 9 p. m. soprano; 10. studio program. | WL1B Chicago, III. (416.4m-720kc) 7 p. m. dimer concert; 11-12:30, frolic. | WLS Chicago, III. (344.5m-870kc) 6:30 p. m. orchestra; 7:10. Etude hour. | MAQ Chicago, III. (447.5m-670kc) 7:40 p. m. U. of Chicago; 8, program; 10. Serenaders, WQJ WMBB Chicago, III. (252m-1190kc) 6 p. m. dimer music; 7, artists; 8:30-10:30, musicale. | WMBI Chicago, III. (263m-1140kc) 8 p. m. Radio School of the Bible. | WMC Memphis. Tenn. (516.5m-580kc) 7 p. m. N. B. C. 7:30. program; 8, N. B. C. 19. bridge. WOA1 San Antonio, Tex (499.7m-600kc) 9, Mexican players. WOAI San Antonio, Tex (499.7m-600kc) 9, Mexican players.

WOC Davenport, Iowa (374.8m-880kc) 7 p. m. players.

WOK Chicago, Ill. (252m-1190kc) 11-12:30 a. m. popular program.

WOW Omaha, Neb. (508.2m-590kc) 6-7:30 p. m. popular programs; N. B., C.; 7:30, orchestra; 8. old time programs; N. B., C.; 7:30, orchestra; 8. old time programs; N. B., C.; WEAF; 10:45; orrhestra; 7. WEAF; 10:45; orrhestra; 7. WEAF; 10:45; orrhestra; 7. WEAF; 10:45; orrhestra; 9. m. popular program.

WSM Nashville, Tenn. (336.5m-890kc) 7 p. m. WEAF; 8. WEAF; 9. WEAF; 9:30, program.

WTMJ Milwaukee, Wis. (293.5m-1020kc) 7-12 mid. program.

# Mountain Standard Time Stations DA Denver, Colo. (325,9m-920kc) 7:30 p. m. fr

question box; 8, bridge,
Pacific Standard Time Stations
KEX Portland, Ore. (239,9m-1250kc) 7 p. m. concert;
9, studio program; 10, dance music,
KFI Los Anseles, Calif. (468,5m-640kc) 7-8 p. m.
serenaders; 8-10, N. H. C.; 10, dance orchestra.
KFOA Seattle, Wash, (447,5m-670kc) 6:30 p. m. trio;
KFRC San Francisco Calif. (454,3m-650kc) 6:30 p. m.
dinner concert; 8, muvie club; 9, studio program;
10, dance brokram.

WLAC Nashville, Tenn. (226m-1330kc) 9 p. m. so- | KFWB Hollywood, Calif. (361.2m-830kc) 4:45-11 p. m. program KGA Spokane, Wash. (260,7m-1150kc) 7 p. m. pro-gram, y. orchestra; 10, dance music, KGO Oakland, Callf. (384,4m-780kc) 6-6:55 p. m. dimer concert; 8-10, National Broadcasting Com-Pany. KGW Portland, Ore. (491.5m-610kc) 8-9 p. m. edupany; 10. N. B. C. KHJ Los Angeles, Callf. (416.4m-720kc) 7-11 p. m. Brogram. KJR Seattle, Wash. (348.6m-860kc) 6:30 p. m. dinner hour; 8, vodvil; 10, dance orchestra. KPO San Francisco, Calif. (422.3m-710kc) 6:30-7:30 p. m. orchestra; 8, N. B. C.; 9, Gypsy and Marta; 10, dance orchestra.

Tuesday, silent night for: CFCA, KFH, KLX, WOS, WSMB

# WEDNESDAY, FEBRUARY 8 Headliners

| Eastern | Central | Mountain | Pacific | 7:15 p. m. 6:15 | 5:15 | 4:15 | M. A. V. E. V. WEAD (282-8m-1060kc) "Traitippines," Dean Alfred Visian, 1970kc) Geology talk, Asst. Prof. 1970kc, 197

an. (272,6m-1100kc) Northwestern at Illin

Eastern Central Mountain Pacific 8:30 p. m. 7:30 6:30 5:39 WEAO (282.8m-1060ke) Edwm Stainbrook, 9 p. m. 8 7 6 KTHS (384.4m-780kc) Heart songs by Arlington concert crehestra.
WCFL (483.6m-620kc) Robert Hawk, Harold O'Halloran.
W1,AC [225,4m-1330kc) Frank and Claude, Hal at the plane, 8:01 7:01 6:01 WFLA (5:6,9m.580kc) 8:30 p. m. 8:01 Kentucky serenaders, 7:30 KTIIS (3:4.4m.780kc) Mrs. Thomas Avey, 80 prano. 10 p. m. 9 8 7 KOA (325 9m-920kc) Scheuerman's Colorado or-Chestra:
KTHS (3.84.4m-7.80kc) Spanish concert by Arlington ensemble.
10:15 p. m. 9:15
K1A (3.25 vm-9.20kc) selections from grand obera10:30 p. m. 9:30
K1DA (2.29 vm-1200kc) U. S. Naval Air Station 0:45 p. m. 9:45 8:45 7:45 KFI (468.5m-640ke) William MacDougall, Scotch entertainer.
11:30 p. 13:30 8:30
KMHC (270.1m-1110kc) El Torreon orchestra.
12:30 a. 11:30 Ulicia 10:30
For Regular Features. See Wednesday, February 1.

# THURSDAY, FEBRUARY 9 Headliners

| Eastern | Central | Mountain | Pacifit | 7 p. m. | 6 | 5 | 5 | 4 | (1.6) | (1.6) | (1.6) | (1.6) | (1.6) | (1.6) | (1.6) | (1.6) | (1.6) | (1.6) | (1.6) | (1.6) | (1.6) | (1.6) | (1.6) | (1.6) | (1.6) | (1.6) | (1.6) | (1.6) | (1.6) | (1.6) | (1.6) | (1.6) | (1.6) | (1.6) | (1.6) | (1.6) | (1.6) | (1.6) | (1.6) | (1.6) | (1.6) | (1.6) | (1.6) | (1.6) | (1.6) | (1.6) | (1.6) | (1.6) | (1.6) | (1.6) | (1.6) | (1.6) | (1.6) | (1.6) | (1.6) | (1.6) | (1.6) | (1.6) | (1.6) | (1.6) | (1.6) | (1.6) | (1.6) | (1.6) | (1.6) | (1.6) | (1.6) | (1.6) | (1.6) | (1.6) | (1.6) | (1.6) | (1.6) | (1.6) | (1.6) | (1.6) | (1.6) | (1.6) | (1.6) | (1.6) | (1.6) | (1.6) | (1.6) | (1.6) | (1.6) | (1.6) | (1.6) | (1.6) | (1.6) | (1.6) | (1.6) | (1.6) | (1.6) | (1.6) | (1.6) | (1.6) | (1.6) | (1.6) | (1.6) | (1.6) | (1.6) | (1.6) | (1.6) | (1.6) | (1.6) | (1.6) | (1.6) | (1.6) | (1.6) | (1.6) | (1.6) | (1.6) | (1.6) | (1.6) | (1.6) | (1.6) | (1.6) | (1.6) | (1.6) | (1.6) | (1.6) | (1.6) | (1.6) | (1.6) | (1.6) | (1.6) | (1.6) | (1.6) | (1.6) | (1.6) | (1.6) | (1.6) | (1.6) | (1.6) | (1.6) | (1.6) | (1.6) | (1.6) | (1.6) | (1.6) | (1.6) | (1.6) | (1.6) | (1.6) | (1.6) | (1.6) | (1.6) | (1.6) | (1.6) | (1.6) | (1.6) | (1.6) | (1.6) | (1.6) | (1.6) | (1.6) | (1.6) | (1.6) | (1.6) | (1.6) | (1.6) | (1.6) | (1.6) | (1.6) | (1.6) | (1.6) | (1.6) | (1.6) | (1.6) | (1.6) | (1.6) | (1.6) | (1.6) | (1.6) | (1.6) | (1.6) | (1.6) | (1.6) | (1.6) | (1.6) | (1.6) | (1.6) | (1.6) | (1.6) | (1.6) | (1.6) | (1.6) | (1.6) | (1.6) | (1.6) | (1.6) | (1.6) | (1.6) | (1.6) | (1.6) | (1.6) | (1.6) | (1.6) | (1.6) | (1.6) | (1.6) | (1.6) | (1.6) | (1.6) | (1.6) | (1.6) | (1.6) | (1.6) | (1.6) | (1.6) | (1.6) | (1.6) | (1.6) | (1.6) | (1.6) | (1.6) | (1.6) | (1.6) | (1.6) | (1.6) | (1.6) | (1.6) | (1.6) | (1.6) | (1.6) | (1.6) | (1.6) | (1.6) | (1.6) | (1.6) | (1.6) | (1.6) | (1.6) | (1.6) | (1.6) | (1.6) | (1.6) | (1.6) | (1.6) | (1.6) | (1.6) | (1.6) | (1.6) | (1.6) | (1.6) | (1.6) | (1.6) | (1.6) | (1.6) | (1.6) | (1.6) | (1.6) | (1.6) | (1.6) | (1.6) | (



# 500 a week in Your Spare Time

What a Membership Can

1—Enable you to earn \$3 an hour upwards in your spare time.

Train you to install, repair and

-Start you in business without capital, or finance an invention.

Train you for the \$3,000 to \$10,000 big-pay radio positions. -Help secure a better position at bigger pay for you.

-Give you the backing of the Radio Association.

A MEMBERSHIP NEED NOT COST YOU A SINGLE CENT

Do for You

build all kinds of sets.

OINING the Radio Association enables you to cash in on Radio now! Follow its success-proven plans and you can earn \$3 an hour, in your spare time, from the very first. Over \$600,000,000 is being spent yearly

for sets, supplies, service. You can get your share of this business and, at the same time, fit yourself for the big-pay opportunities in Radio.

# Founded on a New Idea

Members of the Association do not wait for months before they make money out of Radio. Without quitting their jobs, our members are earning \$25 to \$75 a week spare time by building "tailored" radio sets, serving as "radio doctors," selling ready built sets and accessories, or following one of the many profit-making plans of the Association.

# Earned \$500 in Spare Hours

Hundreds earn \$3 an hour as "radio doctors." Lyle Follick, Lansing, Mich., has already made \$500 in

spare time. Werner Eichler, Rochester, N. Y., is earning \$50 a week for spare time. F. J. Buckley, Sedalia, Mo., is earning as much in spare time as he receives from his employer.

We will start you in business. Our cooperative plan gives the ambitious man his opportunity to establish himself. Many have followed this plan and established radio stores. Membership in the Association has increased the salaries of many. Scores are now connected with big radio organizations. Others have prosperous store

A vear ago Claude De Grave knew nothing about Radio. Today A year ago Claude De Grave knew norming about Radio. Today he is on the staff of a famous radio manufacturer and an associate member of the Institute of Radio Engineers. He attributes his success to joining the Association. His income now is 350% more than when he joined.

# Doubled Income in Six Months

'I attribute my success entirely to the Radio Association," writes W. E. Thon, Chicago, who was clerk in a hardware store before joining. We helped him secure the managership of a large store at a 220% increased salary.

"In 1922 I was a clerk," writes K. O. Benzing, McGregor, Ia., "when I enrolled. Since then I have built hundreds of sets from 1-tube Regenerative to Superheterodynes. I am now operating my own store and my income is 200% greater than when I joined the Association. My entire success is due to the splendid help it gave."

# Easiest Way Into Radio

If ambitious to become a Radio Engineer, to fit yourself for the \$3,000 to \$10,000 to fit yourself for the \$5,000 to \$10,000 opportunities in Radio, join the Association. It gives you a comprehensive, practical and theoretical training and the benefit of our Employment Service. You carn while you learn. You have the privilege of buying radio supplies at wholesale. You have the Association behind you in carrying out your ambitions.

# ACT NOW-if you wish Special Membership Plan

To a limited number of ambitious men, we will give Special Memberships that may not—need not—cost you a cent. To secure one, write today. We will send you details and also our book "Your Opportunity in the Radio Industry." It will open your eyes to the moneymaking possibilities of Radio. Write today.

RADIO ASSOCIATION OF AMERIC 4513 Ravenswood Ave., Chicago, III.	Dept. R D-
Gentlemen:	
Please send me by return mail full Membership Plan and also copy of yo tunity in the Radio Industry."	details of your Specia ur book, "Your Oppor
	details of your Specia ur book, "Your Oppor

Tra.

8:15 p. m. 7:15
WEAO (282.8m-1060kc) University hand concert

8:20 p. m. 7:20
6:15
6:20
6:20
6:20
6:20
KRLD (230.6m-1300kc) Alexander Skavenna, vicilaist 8:30 p. m. 7:30 6:30 5:30 KMBC (270.1m-1110kc) Voice talk, Jessie Wilson Towner, 1080ke) Hockey game, Olympics with the station with the state of the station of the station of the station of the state of the ton 7 S. C. K.W.C. (356,9m-840k.) Auction bridge kame—15th of series; Eveready dance hand. WCBD (344,6m-870kc) Instrumental trio and WCBD (344.6m-870kc) Instrumental the and chimes, WCFL (483.6m-620kc) Earl Hoffman's thez Pierre orchestra. WMAQ (447.5m-670kc) Esther Mucustermann. contrain. 9:45 p. m. 8:45 7:45 6:45 KTHS (384.4m-780kt) Mrs. Violet Belding, con | Traito. | 9 | 8 | 7 | 10 p.m. | 9 | 8 | 7 | 10 p.m. | 9 orchestra.

11 n.m. 10

8 FFAB (319m-9-00kc) KFAB symphony orchestra

11:05 p.m. 10:05

8:05

WHAM (280.2m-1070kc) The Homesteaders, or-11:30 p. m. 10:30 9:30 8:30 WSM (336,9m-890kc) F. Arthur Henkel, organ 1 a. m. 12 mld. 11 10 KFI (468.5m-640kc) Modern classical music. For Regular Features, See Thursday, February 2.

# FRIDAY, FEBRUARY 10 Headliners

Eastern Central Mountain Pacific 3:05 p. ma. 5:05 4:05 4:05 3:05 W(W (508.2m-590kc) Father Flanagan's Boys 7 p. m. 7 p. m. 680kc John Daly, Irish tenor, WMAG 1447.5m-670kc Chicago theater organ. WCW 508.2m-590kc) Seventeenth U. S. Infantry 7:15 p. m. 6:15 5:15 WJR (440,6m-680kc) Hello girls. 7:35 p. m. 6:35 5:35 4:35 WGY (379.5m-790kc) One act play, WGY players. 8 p. m. 7 6 5 WBAL (285.5m-1050kc) WBAL mixed quartet, WHAM (280.2m-1070kc) Allison MacKown, cellist

Eastern Central Mountain 8:50 p. m. 7:50 6:50 WD1 (26.5.3m-1130kc) Basket ball, Kausas 8.55 p. m. 7.15 Basket ball, Kausas State vs. Annes. 8.5 m. 1.30kc; basket ball, Kausas State vs. Annes. 9 p. m. 8.15 ker ball, Kausas State vs. Annes. 9 p. m. 8.15 ker ball, Kausas State vs. Annes. 9 p. m. 8.15 ker ball, Kausas State vs. Annes. 9 p. m. 8.15 ker ball, Kausas State vs. Annes. 9 p. m. 8.15 ker ball, Kerlander Problems in Chranter 1.20kc; bone Unisolved Problems in Chranter 1.20kc; bone Unisolved Problems in Chranter 1.20kc; bone Unisolved Problems in Chranter 1.20kc; brander strains orchestra. WTIC (535, 4m-560kc) Patallee Kinghts. 10 p. m. 8 p. 10 p. m. 10

### SATURDAY, FEBRUARY 11 Headliners

Eastern Central Mountain Pacific 5:30 p. m. 6:15 p. m. 6:20 p. m. 440,6m-680ke) Dreamers

| Section | Sect 2 11 KFI (468.5m-640kc) KFI Midnite frolic, For Regular Features, See Saturday, February 4.

# Tone Control from • Your Easy Chair

The New No. 3

# Mcentralab G With 20 Feet of Cord

Just lounge in your easy chair, and let the program one in smoothly modulated as it changes in character. No more jumping up to adjust the dials every time the station changes from vocal to orchestration. Simply tune with your dials to maximum strength and clarity of station, then from your easy chair, with 20 feet of cord, use Modu-Plug

No. 3 to smooth the reception down to any degree of tone, without changing the ratio of high and low notes.

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Works wonders on any sets having two stages of amplification. Adds a power stage of amplification, which gives better tone and greater volume, without distortion from ANY station tuned in. Your present set will equal or surpass the new models.

Using the 71 tube, Centralab Tone Amplifier reproduces tone and volume so faithfully that the artist seems actually moved into your presence. One knob controls volume from whitsper to maximum. A tone filter protects the speaker. Easily attached in a few minutes without tools or alterations. A demonstration will convince you. At your dealer's or, C. O. D.

Model 100, for sets with 6-volt, "A" Battery. Uses CK 371 or UX 171 tubes. Alodel 200, for dry cell operated sets only. Uses UX 120 or CX 220 tubes.

51600 Either Model—walnut finish cabinet—without tube.



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Tunes out short wa length interference. Se a dollar bill. Satisfacti Guaranteed. Satisfaction

# CENTRAL RADIO LABORATORIES



# SUNDAY, FEBRUARY 12 Headliners

Eastern Contral Mountain Pacific VCCU (405.2m-740kc) Northwest Boy Scott and Lone Scott organizations.

WCFL (483.6m-620kc) Art and Mildred Rose WTIC (535.4m-560kc) New Departure dance or chestra. Eastern Central Mountain Pacific 2 p. m. Mountain Pacific 11 Will (447.5m-570kc) I. yun & Healy artist rectal. Salzedo ensemble 3 romances. Marx and Anne Obendorfer Asia 3.30 2:30 WILL (35.5-4m-56) (kc) Travelers Symphonic ensemble. CKNC (356.9m.840kc) Eveready Salon orchestra; assisting artists.
WCOA (249.9m-1200kc) 13th Coast Artillery band 8:30 7:30 2:30 KTHS (384.4m-780kc) The Ozark philosopher, WLAC (225.4m-1330kc) May Ruth (gle, Dixie blues singer, 8:40 blues singer, 8:40 7:40 6:40 KTHS (384.4m-780kc) W. C. Brown, haritone, 10 (400m-750kc) Haitian hour. W. A. Leonard, W. Ch. (249.9m-1200kc) Mrs. W. A. Leonard, 10 (199.9m-1200kc) Mrs. W. W. Mrs. W. Mrs. W. W. Mrs. W. Mrs. W. Mrs. W. vocalist. 10-30 Special musical production, 10-30 Special musical production, 8/30 7:30 KTHS (384.4m-780kc) Miss Marion Stanley, so Stringer sextet, 8

STIIS (384.4m-78/de) Song program by Mrs.

Harry Janes.

HLAM (280.2m-10/0/de) Tommy Weir, tener.

9:18 6:15

WHAS (322.4m-93/0/e) Bankers Bond Company orchester.

9:20 6:20

WEMC (483.6m-62/0/e) Hazel Kipp, violinist,

9:30 8:30

KTIIS (384.4m-78/0/e) Organ recital, Miss Margaret Glass.

9 8 8 7 TUESDAY, FEBRUARY 14 Headliners | Control | Cont garet Glass, 10 9 8 7 KRLD (230,6m-1360kc) Willard Muse, tenor, 10:15 9:15 8:15 7:15 WLAC (225,4m-1330kc) Belmont M. E. Church

# MONDAY, FEBRUARY 13 Headliners

organist.

11 10 9 8

KFAB (319m-946kc) Union College symphony orchestra.

orchestra, 10:45 9:45 8:45 W(II (265.3m-0.130kc) Chimes concert. 12:15 a.m., 11:15 10:15 9:15 W(III (340.7m-880kc) Organ concert. For Regular Features, See Sunday, February 5,

| Eastern | Central | Mountain | Pacific | 1:15 p. m. | Central | Mountain | Pacific | 1:15 p. m. | Central | Centra

# choir. 10:30 8:30 7:30 KPO (422.3m-710kc) Uda Waldrop, organist. WEMC (483.6m-620kc) The Pastor and the Pro-45 9:45 8:45 7:45 (1) (405.2m-740kc) Hugo Philler Goodwin,

dogs.
8:30 5:30 5:30
WIAS (322.4m-9.30kc) Studio concert, Joseph J.
Eisenbeis, tenor.
WLS (344.6m-870kc) Don Malin-"Personalities in Music"—Edward (rieg.
8:40 5:40
WMAQ (447.5m-670kc) "Sportsmanship," A. A.
Stagg, U. of C. 8

9 8 7 8 WCFL (483.6m-620kc) Vivian Sheffer: Bob Mccr. (340,7m-880kc) Love songs. (535,4m-560kc) Manning-Bowman con-

cert. 9:05 7:05 6:05
WSUN (516.9m-880kc) Carreno ('lub musicale, 9:15 KTHS (384.4m-780kc) Mrs. George Fletcher, so

prano, 9:30 7:30 6:30 KFAB (319m-940kc) Van Sickle four, WGHP (277m-1080kc) Gerald Mark's Hotel Tuller

# Easy as A-B-

You Can Play Any Instrument In a Few Months This Delightful New Easy Way!

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You don't have to know the first thing about music in order to begin. You learn to play from actual notes, just like the best to play from actual notes, just like the best musicians do. And almost before you realize your progress, you begin playing real tunes and melodies instead of just scales. There are no trick "numbers," no "memory stunts." When you finish the U. S. School of Music course, you can pick up any piece of regular printed music and understand it! You'll be able to read music, popular and classic, and play it from the notes. You'll acquire a life-long ability to please your friends, amuse yourself, and, if you like, make money (musicians are highly paid for their amuse yourself, and, if you like, make money (musicians are highly paid for their pleasant wock.)

pleasant wock.)

Whether you like the piano, violin, cello, organ, saxophone, or any other instrument, you can now learn to play it in an amazingly short time. By means of the newly perfected home study method reading and playing music is made almost as simple as reading aloud from a book. You simply can't go wrong. First, you are told how a thing is done, then a picture shows you how, then you do it yourself and hear it. No private teacher could make it any clearer. The lessons come to you by mail at regular intervals. They consist of complete printed instructions, diagrams, all the music you need, and music taper for writing out test exercises. And if surching comes up which is not entirely plain you can write to your instructor and set a full, prompt, personal reply!

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Do you sit "on the sidelines" at a party? Are you out of it be-

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Frombone Harp
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Hamilian Steller
Fishe Accordion
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Composition
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ing course:

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Name	(Please W	rite Plainly)	
\ddress			
City,		State	e. ,,

Central Mountain | Color | Colo

wLAC (225.4m-1330kc) Jernigan trio; string enile. (3.36,9m-890ke) Bob Stark's Tennesseans, estra.

10.45 9.45 11.45 1

# WEDNESDAY, FEBRUARY 15 Headliners

Eastern Central Mountain Pacific
7:30 p. m. 6:30
WFLA (516.9m-580kc) Scarlet guards.
7:45 6:45
WEAU (282.8m-1060kc) Animal By-l'roducts. D.
W. Asherait.

WE.M. (282,8m-1,060ke) Animal By-Products, D. W. Asheriati, 7.

W. H. (340,7m-880ke) Kansas City artist trip, 8:15 C-15: 6-15: 5-15

WE.M. (282,8m-1,060ke) Proper Planting for Shrubs, Victor Res. 8:20

W. C. (344,6m-870ke) William (1 Comor, tenor, 8:20 C-16) William (1 Comor, 1 Com

melody girl. 11:30 9:30 8:30 KMBC (270.1m-1100c) KMBC (447.5m-670kc) Bismarck serenaders, 12:30 a.m. 11:30 10:30 9:30 Signarck serenaders, 12:30 a.m. 10:30 9:30 Eddie Junstedter, or-

For Regular Features, See Wednesday, February 1.

# THURSDAY, FEBRUARY 16 Headliners

Eastern Central Mountain Pacific 6:30 p. m. Sciolec Hond trio, 7:30 Sciolec Hond trio, 7:30 Sciolec Hond trio, 7:30 Frederick D. Weaver, organis. | WBAL (285.5m-1050ke) | 5:30 | 4:30 | 4:30 | 4:30 | 4:30 | 4:30 | 4:30 | 4:30 | 4:30 | 4:30 | 4:30 | 4:30 | 4:30 | 4:30 | 4:30 | 4:30 | 4:30 | 4:30 | 4:30 | 4:30 | 4:30 | 4:30 | 4:30 | 4:30 | 4:30 | 4:30 | 4:30 | 4:30 | 4:30 | 4:30 | 4:30 | 4:30 | 4:30 | 4:30 | 4:30 | 4:30 | 4:30 | 4:30 | 4:30 | 4:30 | 4:30 | 4:30 | 4:30 | 4:30 | 4:30 | 4:30 | 4:30 | 4:30 | 4:30 | 4:30 | 4:30 | 4:30 | 4:30 | 4:30 | 4:30 | 4:30 | 4:30 | 4:30 | 4:30 | 4:30 | 4:30 | 4:30 | 4:30 | 4:30 | 4:30 | 4:30 | 4:30 | 4:30 | 4:30 | 4:30 | 4:30 | 4:30 | 4:30 | 4:30 | 4:30 | 4:30 | 4:30 | 4:30 | 4:30 | 4:30 | 4:30 | 4:30 | 4:30 | 4:30 | 4:30 | 4:30 | 4:30 | 4:30 | 4:30 | 4:30 | 4:30 | 4:30 | 4:30 | 4:30 | 4:30 | 4:30 | 4:30 | 4:30 | 4:30 | 4:30 | 4:30 | 4:30 | 4:30 | 4:30 | 4:30 | 4:30 | 4:30 | 4:30 | 4:30 | 4:30 | 4:30 | 4:30 | 4:30 | 4:30 | 4:30 | 4:30 | 4:30 | 4:30 | 4:30 | 4:30 | 4:30 | 4:30 | 4:30 | 4:30 | 4:30 | 4:30 | 4:30 | 4:30 | 4:30 | 4:30 | 4:30 | 4:30 | 4:30 | 4:30 | 4:30 | 4:30 | 4:30 | 4:30 | 4:30 | 4:30 | 4:30 | 4:30 | 4:30 | 4:30 | 4:30 | 4:30 | 4:30 | 4:30 | 4:30 | 4:30 | 4:30 | 4:30 | 4:30 | 4:30 | 4:30 | 4:30 | 4:30 | 4:30 | 4:30 | 4:30 | 4:30 | 4:30 | 4:30 | 4:30 | 4:30 | 4:30 | 4:30 | 4:30 | 4:30 | 4:30 | 4:30 | 4:30 | 4:30 | 4:30 | 4:30 | 4:30 | 4:30 | 4:30 | 4:30 | 4:30 | 4:30 | 4:30 | 4:30 | 4:30 | 4:30 | 4:30 | 4:30 | 4:30 | 4:30 | 4:30 | 4:30 | 4:30 | 4:30 | 4:30 | 4:30 | 4:30 | 4:30 | 4:30 | 4:30 | 4:30 | 4:30 | 4:30 | 4:30 | 4:30 | 4:30 | 4:30 | 4:30 | 4:30 | 4:30 | 4:30 | 4:30 | 4:30 | 4:30 | 4:30 | 4:30 | 4:30 | 4:30 | 4:30 | 4:30 | 4:30 | 4:30 | 4:30 | 4:30 | 4:30 | 4:30 | 4:30 | 4:30 | 4:30 | 4:30 | 4:30 | 4:30 | 4:30 | 4:30 | 4:30 | 4:30 | 4:30 | 4:30 | 4:30 | 4:30 | 4:30 | 4:30 | 4:30 | 4:30 | 4:30 | 4:30 | 4:30 | 4:30 | 4:30 | 4:30 | 4:30 | 4:30 | 4:30 | 4:30 | 4:30 | 4:30 | 4:30 | 4:30 | 4:30 | 4:30 | 4:30 | 4:30 | 4:30 | 4:30 | 4:30 | 4:30 | 4:30 | 4:30 | 4:30 | 4:30 | 4:30 | 4:30 | 4:30 | 4:30 | 4:30 | 4:30 | 4:30 | 4:30 | 4:30 | 4:30 | 4:30 | 4:30 | 4:30 | 4:30 | 4:30 | 4:30 | 4:30 | 4:30 | 4:30 | 4:30 | Eastern | Central | Mountain | Pacific | S115 | S116 | S owner. (277m-1080kc) Hockey game, Olympia and WHAS (322.4m-930kc) Ten aut door men, WTIC (5.15.4m-560kc) Capitol theater presenta-

tion, 8:32 5:32 WSUN (516.9m-586kc) McCabe Jubilee singers, 8 7 CNC (356.9m-840kc) Auction bridge game=15th off Series (184,4m-780kc) Popular music, Jack Crawford's orchestra (WCFL (483,0m-6,0kc) Chez l'ierre orchestra, WHI (30/2m-880kc) Ray Ham and Fred Som-

Will (340.7m-880ke) Ray Ham and Free Sommers, WLAC (225.4m-1.330kc) Basket hall game, Burke Terrors vs. YMHA. 8130 Feb. 18 (190m-940ke) Triversity of Nebraska, KTHS (384.4m-780kc) Fr. D. H. King, baritone, WO (265.3m-1130kc) Federated Music club pro-

(265.3m-1130kc) Federated Music club program.

8:45

8:45

7:45

6:45

WMAQ (447.5m-670k.) Harold Van Horne, manist,

10

WLAC (225.4m-1330kc) Nashville Chamber of
Commerce from Model
Thorne, teacher of piano.

10:30

8:30

7:30

KVOO (348.6m-860kc) Marie M. Iline, organist,

11

WCCO (405.2m-740kc) 1zaak Walton league.

For Regular Features, See Thursday, February 2.

# FRIDAY, FEBRUARY 17 Headliners

| Central | Mountain | Pacific | Structure | Mountain | Pacific | Structure | Mountain | Pacific | Structure | Mountain | Structure | Stru 8:50 7:50 6:50 5:50 W7] (265.3m-1130kc) Wrestling, Nehraska vs.

wrestling, Nehraska vs. 9
WCFL (483.6m-620kc) Polish program, sponsored by Brunswick-Balke-Collander commany, WCOA (249.9m-1200kc) Songs You Forget to Remember.
WLAC (225.4m-1330kc) Songs You Forget to Related to the control of the

10 WBAL (285 5m-1050kc) Musical scenario. 10:18 9:15 8:15 7:15 WCOA (249.0m-1200kc) Fiddler and the dude, 

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# What Some of Our Users Say TESTIMONIALS

TESTIMONIALS

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on take, to, Fargo, N. D. Gentlement: Please send nother Reesonator C. O. D. t is worth five times voin trier. Absolutely does all on claim for it. Would not a without one. Sold mine of a neighbor and he is dependently to the control of the contr

Not a wave trap but a wave booster (Pat. Pend.)

Not a wave trap but a wave booster (Pat. Pend.)

for one night through Philadelphia stations: WMAK, WGY, WIR, WGR, KDKA, WJAN, WBZ, WSB, KOA CKCL, WSM, WCBD, WJBM, KWKH, WADC, WJBM, WWJD, WFL, WCY, WHAK, WDAF, WSBC, KMOX, WEAF, WJZ, The above were all received on boud speaker. I also brought in KMOY, St, Louis, 520 p, m, daylight, Yours truly, All W, Martin, I nion News Co., Broad St, Station, Stand 4, Philadelphia, Pa.

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attachment made for a radio, segardless of mice. Vour truly, C. W. George, M. D., Corydon, towa.

I bear Str.: Some time ago I purchased a Reesonator from you, It is very good and works hie.

I ow get distant stations when all New York (ity radio stations are broadcastins, which is the standard finite when New York (ity radio stations are broadcastins, which, which were standard finite when New York (ity stations were inspactasting, WAMA, WCC, KDKA, WBL, WCA, WTAM, WCL, WBR, WCW, WWRE, KWCO, WTAM, WCFL, WLS, WOW, WSYR, KWMBB, WCX, WWAE, WB, WHAM, WHAM, WCCO, WTAM, WCFL, WLS, WOW, WSYR, KWMBB, WCX, WWAE, WB, WHAM, WBAL, WCCO, WTAM, WCFL, WLS, WOW, WSYR, KWMBB, WCX, WWAE, WB, WHAM, WBAL, WCCO, WTAM, WCFL, WLS, WOW, WSYR, KWMBB, WCX, WWAE, WB, WHAM, WBAL, WCCO, WTAM, WCFL, WLS, WOW, WSYR, KWMBB, WCX, WWAE, WB, WHAM, WBAL, WCCO, WTAM, WCFL, WLS, WOW, WSYR, KWMBB, WCX, WWAE, WB, WHAM, WBAL, WCCO, WTAM, WCFL, WLS, WOW, WSYR, KWMBB, WCX, WWAE, WB, WHAM, WBAL, WCCO, WTAM, WCFL, WLS, WOW, WSYR, KWMBB, WCX, WWAE, WB, WHAM, WBAL, WCCO, WTAM, WCFL, WLS, WOW, WSYR, KWMBB, WCX, WWAE, WB, WHAM, WBAL, WCCO, WTAM, WCFL, WLS, WOW, WSYR, KWMBB, WCX, WWAE, WB, WHAM, WBAL, WCCO, WTAM, WCFL, WLS, WOW, WSYR, KWMBB, WCX, WWAE, WB, WHAM, WBAL, WCCO, WTAM, WCFL, WLS, WOW, WSYR, KWMBB, WCX, WWAE, WB, WHAM, WBAL, WCCO, WTAM, WCFL, WLS, WOW, WSYR, KWMBB, WCX, WWAE, WB, WHAM, WBAL, WCCO, WTAM, WCFL, WLS, WOW, WSYR, KWMBB, WCX, WWAE, WB, WHAM, WBAL, WCCO, WCC

Dept. 105 Fargo, North Dakota REFERENCES: First Mational Bank Dun's or Bradstreet's

Name .....  WMAQ (447,5m-670kc) WQJ Chamber Music players. For Regular Features. See Friday, February 3,

# SATURDAY, FEBRUARY 18 Headliners

Eastern Central Mountain Pacific 3 p. m. 2 1 12 12 WOI (265.3m-1130kc) State high school wrestling meet. 6:45 5:45 4:45 3:45 WHAM (280,2m-1070kc) Onondaga Hotel orches-17a. 7:15 W('(') (405,2m-740kc) Wesley Barlow's orchestra. 7:30 5:30 5:30 4:30 WHAM (280.2m-1070kc) Major and Miner—two NLAC (225,4m-1330kc) Old time barn dance frolic, 8:30 7:30 6:30 5:30 KV(i) (348.6in-860kc) Metropolitan male quar-KFAB (319m-940kc) Lincoln Solon orchestra. KTIIS (384.4m-780kc) Popular tunes, Ted Weems

| Greeksta | Golden | Golden | Golden | Greeksta | Gree stra. 400m-750ke) Bolivian hour. (285.5m-1050ke) Marylanders. (280.2m-1070ke) Organ recital. Robert

Rerentsen, WSM (336.9m-890kc) Regular "Grand Old Op'ry" and barn dance, WSUN (516.9m-580kc) Vimoy Park orchestra, WTU (53.54m-560kc) Hotel Bond dance orches-

tra. 19:15 9:15 8:15 7:15 WMAQ (447.5m-670kc) Chicago theater revue. 19:30 KMBC (270.1m-110kc) Rayal players. 7:30 KTIS (384.4m-780kc) Ballet gem., Arlington or-11 10 9 8 WOL (265,3m-1130ke) State high school wrestling

meet, 2.a.m. 1 K() X (319m-940kc) Webfoot Merrymakers' frolie. For Regular Features, See Saturday, February 4.

# SUNDAY, FEBRUARY 19 Headliners

| Central | Mountain | Pacific | 1239 | WHAM (280.2m-1070kc) | Corgan | recital | H.rold | Osbourn | Smith | Smith | Smith | Corgan | Corg Osbourn Smith. 2
WMAQ (447.5m-670kc) Chicago string quartet from the Cordon club. 6:45
WMAQ (447.5m-670kc) Whitney trio. 3:45

| Castern | Central | Mountain | Facific | Castern | Cas ATHIS (384.4m-780kc) Miss Margaret Glass, organist.

8 10
KTHS (384.4m-780kc) Miss Margaret Glass, organist.

10:45 9:45
WUYU (405.2m-744kc) Hugo Philler Goodwin, organist.

10 KFAB (319m-940kc) 7. chestra. KTHS (384.4m-780kc) Frolic with Cock a Doodle Do orchestra. WMAQ (447,5m-670kc) "The De Luxe Dreamers."
11:45 9:45 8:45
WOI (265,3m-1130kc) Chimes concert.
1a. m. 12
WIBL (349,4m-770kc) Nut1 10
For Regular Features, See Sunday, February 5.

# MONDAY, FEBRUARY 20 Headliners

Eastern Central Mountain Pacific 6:45 p. m. 5:45 4:45 3:45 WHAM (280.21n-1070kc) Hughie Barrett's orches tra. 7:30 6:30 5:30 4:30 WOI (265.3m-1130kc) Agricultural engineering talk. 

his orchestra, 8
CKNC (356.5m; 840kc) Eveready novelty orchestra; assisting artists,
WO1 (265.3m; 11.00kc) lowa State College music, faculty program, 9:30
FAB (319m; 940kc) A C instrumental sextet.
KTHS (384.4m; 780kc) The Ozark philosopher, 10
KTHS (384.4m; 780kc) Russian music, Arlingtid) orchestra.

orchestra. PWX (400m-750kc) Uruguay hour. WCOA (249,9m-1200kc) Okaloosa County pro-gram 10:30 9:30 8:30 7:30 WFLA (516.9m-580kc) Springtime serenaders. 11 10 9 8 WCCO (405,2m-740kc) Minneapolis symphony or

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| Eastern | Central | Mountain | 9:30 | 6:33 | 11:30 | 6:33 | 6:33 | 6:33 | 6:33 | 6:33 | 6:33 | 6:33 | 6:33 | 6:33 | 6:33 | 6:33 | 6:33 | 6:33 | 6:33 | 6:33 | 6:33 | 6:33 | 6:33 | 6:33 | 6:33 | 6:33 | 6:33 | 6:33 | 6:33 | 6:33 | 6:33 | 6:33 | 6:33 | 6:33 | 6:33 | 6:33 | 6:33 | 6:33 | 6:33 | 6:33 | 6:33 | 6:33 | 6:33 | 6:33 | 6:33 | 6:33 | 6:33 | 6:33 | 6:33 | 6:33 | 6:33 | 6:33 | 6:33 | 6:33 | 6:33 | 6:33 | 6:33 | 6:33 | 6:33 | 6:33 | 6:33 | 6:33 | 6:33 | 6:33 | 6:33 | 6:33 | 6:33 | 6:33 | 6:33 | 6:33 | 6:33 | 6:33 | 6:33 | 6:33 | 6:33 | 6:33 | 6:33 | 6:33 | 6:33 | 6:33 | 6:33 | 6:33 | 6:33 | 6:33 | 6:33 | 6:33 | 6:33 | 6:33 | 6:33 | 6:33 | 6:33 | 6:33 | 6:33 | 6:33 | 6:33 | 6:33 | 6:33 | 6:33 | 6:33 | 6:33 | 6:33 | 6:33 | 6:33 | 6:33 | 6:33 | 6:33 | 6:33 | 6:33 | 6:33 | 6:33 | 6:33 | 6:33 | 6:33 | 6:33 | 6:33 | 6:33 | 6:33 | 6:33 | 6:33 | 6:33 | 6:33 | 6:33 | 6:33 | 6:33 | 6:33 | 6:33 | 6:33 | 6:33 | 6:33 | 6:33 | 6:33 | 6:33 | 6:33 | 6:33 | 6:33 | 6:33 | 6:33 | 6:33 | 6:33 | 6:33 | 6:33 | 6:33 | 6:33 | 6:33 | 6:33 | 6:33 | 6:33 | 6:33 | 6:33 | 6:33 | 6:33 | 6:33 | 6:33 | 6:33 | 6:33 | 6:33 | 6:33 | 6:33 | 6:33 | 6:33 | 6:33 | 6:33 | 6:33 | 6:33 | 6:33 | 6:33 | 6:33 | 6:33 | 6:33 | 6:33 | 6:33 | 6:33 | 6:33 | 6:33 | 6:33 | 6:33 | 6:33 | 6:33 | 6:33 | 6:33 | 6:33 | 6:33 | 6:33 | 6:33 | 6:33 | 6:33 | 6:33 | 6:33 | 6:33 | 6:33 | 6:33 | 6:33 | 6:33 | 6:33 | 6:33 | 6:33 | 6:33 | 6:33 | 6:33 | 6:33 | 6:33 | 6:33 | 6:33 | 6:33 | 6:33 | 6:33 | 6:33 | 6:33 | 6:33 | 6:33 | 6:33 | 6:33 | 6:33 | 6:33 | 6:33 | 6:33 | 6:33 | 6:33 | 6:33 | 6:33 | 6:33 | 6:33 | 6:33 | 6:33 | 6:33 | 6:33 | 6:33 | 6:33 | 6:33 | 6:33 | 6:33 | 6:33 | 6:33 | 6:33 | 6:33 | 6:33 | 6:33 | 6:33 | 6:33 | 6:33 | 6:33 | 6:33 | 6:33 | 6:33 | 6:33 | 6:33 | 6:33 | 6:33 | 6:33 | 6:33 | 6:33 | 6:33 | 6:33 | 6:33 | 6:33 | 6:33 | 6:33 | 6:33 | 6:33 | 6:33 | 6:33 | 6:33 | 6:33 | 6:33 | 6:33 | 6:33 | 6:33 | 6:33 | 6:33 | 6:33 | 6:33 | 6:33 | 6:33 | 6:33 | 6:33 | 6:33 | 6:33 | 6:33 | 6:33 | 6:33 | 6:33 | 6:33 | 6:33 | 6:33 | 6:33 | 6:33 | 6:33 | 6:33 | 6:33 | 6:3 For Regular Features, See Monday, February 6.

# TUESDAY, FEBRUARY 21 Headliners

| Eastern | Central | Mountain | Pacific | Superior | Pacific | Pa H. A. Miller, 8:05 7:05 6:05 5:05 W()1 (265.3m-1130kc) Swimming, Drake vs. omes, 8:15 7:15 6:15 5:15 WEAO (282.8m-1060kc) The Trend of Business Springeon Bell, 8:20 8:39 KLU | Sp. tecon | Bell | 7:30 | 8:30 | 5:30 | St. | 5:30 | St wTIC (535.4m-560ke) Coombs bouquet. CKLC (356.9m-840kc) Capitol theater program, KMBC (270.1m-1110kc) Walton Lockman, po KMBC (270 Im-110ke) Walton Lockman, popular song-ter.
WLAC (225.4m-1330kc) Divis male quartet.
10:38 9:30 WCC 0 1405.2m-740kc) Northwest Artists' concert
10:45 WSM (330.9m-890kc) Program by Ward-Belmon Conservatory of Music.
12 mld. 11 10 9
KRLD (230.6m-1300kc) Damy David, tenor.
For Regular Features, See Tuesday, February 7.

### WEDNESDAY, FEBRUARY 22 Headliners

Eastern Central Mountain Pacific 4:15 p.m. 3:15 2:15 1:15 MAQ (447.5m-670kc) Bridge game, Paul II, Seymour. Seymour, 4 3 3 council, 2 WMAQ (447.5m-670kc) Mothers in council, 7:15 6:15 5:15 4:15 WEAO (282.8m-1060kc) Getting the Tractor for Spring Work, i. W. McCuen, WMAQ (447.5m-670kc) (hicago Theater organ recital. 7:30 (282.8m-1060kc) "Philippines," Dean Al-8 7 WEAO (282,8m-1060kc) Ba-ket ball, Indiana-WEAO (282,8m-1090kc) basket bain collisions (hib State 880kc) kansas City Artists trio. 8:30 VTIC (535,4m-560kc) Artists Trio. 8:45 7:45 KRLI) (230,6m-1,300kc) Spelling contest. Dr. Taylor 9 8 7 6 WHAM (280 2m-1070kc) Bastianelli trio; Nicholas Palyara, tenor, 11 10 9 8 KOA (325.9m-920kc) Washington's hirthday pro-12:30 a.m. 11:30 10:30 9:30 WC () (405.2m-740kc) Eddie Dunstellter, organ

# THURSDAY, FEBRUARY 23 Headliners

Eastern Control Mountain Pacific 5:30 p. m. Central Mountain 9:30 p. m. 5:30 p. m. 5:35 p. m. 5:45 p. m. 5:45

ist. For Regular Features, See Wednesday, February 1.

| Eastern | Central | Mountain | Pacific | 7 p. m. 6 | 6 | 5 | 4 | KVOO | (348.6m-860ke) | Barney | Breene, popular Songs, m. 5 KMA 1, 3794,5m-760ke) Mays Madolin musiciaus, WBA1 (285,5m-1050ke) WBA1 string quarter 8,06 505 WOI (265,3m-1130ke) Track, Drake vs. Grimel vs. Ames. vs. Ames, 8:30 7:30 6:30 5:30 WEAO (282,8m-1060ke) University of School 8:35 7:35 6:35 5:35 KMBC (270.1m-1110ke) Health talk, Dr. Joseph KM10 (270,1m-1) 108c7 Fredrik (1818) rbh Brennan. **3 p. m.** 8 **7 6** CKNC (35c,9m-840kc) Anction Bridge game=17(h N M 128 (All Section 2) of the control of the contr tralto, 10 8 8 7 (CKLC (336.9m-840kc) Wyman's Edonton Little symphony, KTHS (484.4m-780kc) Southern songs, Eastman 

### FRIDAY, FEBRUARY 24 Headliners

Eastern Central Mountain Pacific 6 p. m. Central Mountain 3 (1974) (1974 mont School of Music.
WBAL (285.5m-1050ke) WBAL Dinner orchestra.
6:45 5:45 4:45 3:45
WHAM (280,2m-1070ke) Syracuse University pro-9:30 8:20 7:30 6:30 KTHS (384.4m-780kc) The Roanoke negro sing 

# SATURDAY, FEBRUARY 25 Headliners

Eastern Central Mountain Pacific 7:15 p. m. 6:15 S:15 4:15 W(1') (405.2m-74/bt.) Wesley liarnow's orchestrance 5:50 WEAV (282,8m-10/60kc) Basketball, Minnesota-06 Siate. 7 Frolic. 8:50 7:50 6:50 5:50 W()1 (265.3m-1130kc) Basketball, Missouri vs. Ames.

9 18 (384,4m-780kc) Popular concert. Ted Weems orchestra. W.M.SQ (447,5m-670kc) Radio Photologue. W.M.SQ (447,5m-670kc) Radio Photologue. K.Tils (384,4m-780kc) Specialties. 6:45 KTIls (384,4m-780kc) Specialties. 7 RMIC (270,1m-1110kc) Buddy and Ruddy. K.R.I.D (230,6m-1300kc) Earl D. Behrends. PWX (49m-750kc) Chiean hour. W.H.A.I. (285,5m-1600kc) Organ recital, Robert Berculse, 264,2m-1070kc) Organ recital, Robert Berculse. Berentsen, WIHI (340.7m-880kc) Square dance music, WMAQ (447.5m-670kc) Popular song cycle, Pratt and Sherman, WSHC (232.4mrl-200kc) Ben Pollack , WSLV (576.7m-880kc) Vincy Park orchestra. tern Central Mountain Pacific :45 8:45 7:45 - (344,6m-870ke) Hockey Game, Rangers Wackhawks,

11 10 8 8 FAB (319m-940ke) Jr. Chamber of Commerce VOO (348.6m-860ke) Theodore Pitrenger, viola

ist. 12:10 a.m. 11:10 9:10
22:10 a.m. 11:10 9:10
WJBT L89/4m-77/0kc) Betty Grissold, Uke blues
2 1 1 KOIN (319m-940kc) Webbat Merrymakers' frolic.
For Regular Features, See Saturday, February 4.

# SUNDAY, FEBRUARY 26 Headliners

Eastern Central Mountain Pacific
4 p. m. 3
2 1
WHAM (280.2m-1070ke) Organ recital, Harold
Osbourt Smith, Usbourn Smith, 4:15 3:15 2:15 1:15 WOI (265.3m-11.30kc) Homespun Philosopher; sacred concert.

savren concert.

\$\frac{3}{4} \text{VMAQ}\$ (447.5m-670kc) Musical romances, Marx and Anne Obendorfer,
\$\frac{3:30}{4:30} \text{4:30} \text{2:30} \text{VTI}\$ (535.4m-560kc) Travelers Symphonic ensemble.

WMAQ (447.5m-670kc) Dehate, Kent College of

Law, 7 (6 S WLS (344.6m-870kc) Little Brown Church in the Vale; Ralph Emerson, organist, WSIC (232.4m-1200kc) Temple Judea players, 8:30 7:30 WEVI (483.6m-620kc) Pipe organ, Dr. Birt Sun-

| New York | New York

[essor, 10 8 8 8 8 8 11 8 4384.4m-780ke) Cock a Doodle Do trolle. 1 a. m. 11 10 WBBM (389.4m-770ke) Netry Club.

# MONDAY, FEBRUARY 27 Headliners

| Central | Mountain | Pacific | St. Mountain | Pacific Central Mountain 8 7 6 5 WTIC (535,4m-560ke) New Departure dance or-

KMA (394.5m-760kc) Apple Sauce 1 wins.
WCA (249/9m-1200kc) 13th Coast A wins.
WCA (225.4m-1330kc) 13th Coast A wins.
WCa (225.4m-1330kc) 13th Coast A wins.
WCA (225.4m-1330kc) 15th Margaret Walters,
WCA (254.5m-180kc) 15th Margaret Walters,
WCA (255.3m-110kc) 15th Went Coast Coast



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n Central Mountain Pacific 9:45 8:45 7:45 (384.4m-780ke) Dance trolic, Ted Ween 10:15 9:15 8:15 325,9m-920kc) Musir by Regmald DeKover 11:30 10:30 9:30 8:30 KMH( (270.1m-1110kc) El Tarreon orchestra fea-

ture
12 mid,
11 10 9
KLX (508m-590kc) Weekly meeting of Lake Meritt Ducks,
For Regular Features, See Monday, February 6.

### TUESDAY, FEBRUARY 28 Headliners

Eastern Central Mountain Pac 6:30 5:30 4:30 3: K()A (325.9m-920kc) Matinee; Florence Was narpiet, 6:45 WILAM (280,2m-1670kc) Ten 5:45 Eyek orchestra, 7 O (348,6m-860kc) Frank Silsby and III-s Red Peggers, Penjers, 1930 4:30 4:30 WKAO (282,8n-1000ke) Good Taste in the Use of Color, Ledyard D. Towle, WHAM (299,2m-1070kc) Madrigal mixed quarter, WLAM (229,2m-1070kc) Madrigal mixed quarter, WLAM (255,4m-1330ke) L. B. Smelzer, "How to Speak in Public State S

8 7 KMA (394.5m-760kc) KMA string trio.

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# WEDNESDAY, FEBRUARY 29 Headliners

oreles to a 12 md 10 to 8 to 12 md 11 md 11 nd 12 md 12 md 12 md 12 to 13 nd 12 to 14 nd 12 to 14 nd 12 to 15 nd 14 nd 15 nd 14 nd 15 nd 1

Royal Canadians. WSBC (232.4m-1290kc) Virginians. For Regular Features, See Tuesday, February 7.

Central Mountain Pacific
3:15 2:15 1:15
(447.5m-670kc) Bridge game, Paul H. | Seymonr | Seym Victor Ries, 8:30 7:30 6:30 5:30 WEAO (282.8m-1060kc) Edwin Stainbrook, piau-WEAO (22.8m-1060kc) Edwin Stainbrook, piaulist, MIAM (280.2m-1070kc) "Musical Vista." [8]
KEAB (319m-940kc) Car Devartment orchestra. WHAM (280.2m-1070kc) Ba-stianelli trio and Nicholas Palyara, tenor.
9:30 (249.9m-1200kc) Mt, Zion Jubilee singers. 10 (400m-2500) Hordura hor.
WIAM (280.2m-1070kc) Birabe Moreno, pianist. WHAM (280.2m-1070kc) Request organ recital, L. Gardon Baldwin, UKS (344.6m-870kc) Elmhurst Women's Choral club, Wils (344,6m-870ke) Emmors (10b, 10:61 kg) (10b, 10:61 kg) (10 kg) (10:61 kg) (10:61 kg) (10:62 kg) chestra.

12 mid.

KIO (422.3m-710kc) Abas string quartet.

For Regular Features, See February 1.

# ORCHESTRA STANDINGS

(Continued from page 20)

St. Paul Athletic Club orch. WCCO., Danceonian orchestra, KGBZ., Independent Musical Society orch., Northland Serenaders, WHO......

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Bourdon orchestra, WFAA...
Kensington Hall dance orch., KPRC...
Parrino-Sparkman orchestra, WFAA.

Troutdale orchestra, KFAB...
Tracy-Brown's orchestra, KFAB...
Brown Palace Hotel orchestra, KOA...
Dan's Musical Dons...
Howard Fordham's orchestra, KTHS...
La Mariquita and her Castillian orchestra, WFAA.
Houstonians' dance orchestra, KPRC.
KOA orchestra, KOA...
Beaumont Symphony, KFDM...
Beaumont Symphony, KFDM...
Dallas Athletic club orchestra, KRLD
State College Symphony orch., KFDY
Baker Hotel orchestra, WFAA.
Bed Peppers, KVOO...
University Symphony, K'OM...
Gebhardt Mexican players, WOAI...
Kansas State Agri. College orchestra, KSAC.
Father Flanagan's Boys' Home band,
WOW...

Father Flanagan's Boys' Home band,

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Comprising: Idaho, Arizona, Nevada, California and Washington. Max Dohn's studio orchestra, Pacific
Coast Network 2,566
Vie Meyer's orchestra, KJIL 2,281
Andy Wallace and his band, KFWL...1,291
Majestic Ballroom orchestra, KFON, 938
Joe Mendel and his Pep hand, KRFC, 925
Silver King Revelers, KGW, 911
Benson Hotel orchestra, KOIN, 758
Hal Chasnoff's orchestra, KFI, 750
KPO orchestra, KPO, 750
Fillmore Hotel orchestra, KNX, 750
Bill Funk's Packard Six orch, KFI, 672
Cavaliers dance orchestra, KILL, 451
Piggly Wiggly concert orch, KFON, 450
Herman Kenin's orchestra, KEX, 336

2 : Girvin Beale's Hotel Oakland dance

Girvin Beale's Hotel Oakla..d dance orchestra, KGO
Roy Dyer's El Nido cafe orch., KLX..
Pacific Coast Club orchestra, KFON..
Georglans, KHI
White King orchestra, KGW......
Anson Week's Hotel Mark Hopkins orchestra, KFRC
KFRC dance orchestra, KFRC......
Cole McElroy's Columbia Recording dance band, KOIN....
KFWI Gypsy band, KFWI...
Metropolltan dance orchestra, KFI...
Cadillac-La Salle concert orch., KHJ..
Lombardia orchestra, KJR...
Rudy Seiger's Fairmont Hotel concert orchestra, KPO...
Coconnut Grove orchestra, KNX....
Public Service Little symphony or-

Public Service Little symphony or-chestra, KGW 

chestra, KFWI
Seattle Fire Department hand, KJR.,
Sherman Clay & Company concert
orchestra, KFOA
Long Beach Municipal band, KFON.,
Palace orchestra, KGA
Standard Symphony orchestra, KPO,
Fox Theatre Grand orchestra, WOO.,

r ox Theatre Grand orchestra, WOO... Los Angeles Philharmonic orch. KFI Cloverleaf orchestra, KFON............ Frank Ellis and his Hotel St. Francis dance orchestra, KGO................ Canterbury Candy orchestra, KJR.....

Athens Athletic club orchestra, KLX

DISTRICT NO. 6—CANADA
Comprising: The entire Dominion of Comprising: Plumm and his orchestra,

CNRW Danny Yates' Hotel Windsor orches-tra, CKNC tra, CKNC

Eveready orchestra, CKNC

Chateau Laurier concert orch, CNRO

Jack Denny's orchestra, CFCF

Jackle Souders and his orch, CNRV

Palm Room orchestra, CKCL

Harold Rich-Morris London Versatile Guy W CFQC
Nighteaps, CNRV 157



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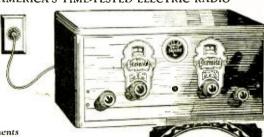
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# SHORT WAVES

By Marcella

(Continued from page 23)

When H. H. Johnson was asked whether



When H. H. Johnson was asked whether Stute and Mott were any relation, he said that they were brothers and he is their father, so I guess. Adeline, he ought to be able to give complete information. Aren't they cute boys? Here is what he says. "Stute was born June 1st, 1903, Mott, June 21st, 1908. Mott weighs 175 pounds, is about six feet two in his stocking feet, has blue eyes, dark brown hair. He is a graduate of the Clay Center High School, graduating in 1925. He has had one year at Doane college, 1926-27. In 1925 he ranked among the ten best football players in Nebraska. He did not play college football. Mott is something of a musician; he won as tenor in the four-connty contest in 1925, he has played at various times the drum or the tuba in bands, and in orchestras, the saxophone. We are at present using him as solo tenor, vocal, and on the saxophone in the "Masterbilt Quartet," and as an announcer. Mott was born and raised here in Clay Center."



Here is the sweetest letter Marcella got last month and you will agree when you read it. It's from Russ Wildey of the Ray-O-Vac Twins. "I just want to write and thank you for that nice little line you had about my little baby. It certainly was sweet, and Mrs. Wildey and I want to thank you. We have cut it out and put it in the baby's little scrap book, and in years to come she can look at it and think of you. The baby is growing like sixty, and the prettiest baby girl in the world—no foolin' and love her? Oh Boy, and how, and her little mother too."

Speaking of twins! Those handsome Mona Motor Oil Twins, John Wolfe and Ned Tollinger were in New York this fall and whom do you think they ran into? Bernice Alstock of KGW, Portland. Oregon. She is studying voice in New York and she already has a chance to john a musical comedy. It seems John has been writing to her since he met her in Portland and so it wasn't chance they met in New York. Hum! Food for thought there. By the way, Ned, who is Ione? Trying to vamp Marcella when your heart's in Iowa? These Council Bluffs men with their girls and Council Bluffs men with their girls and their families, it's mighty hard on Mar-

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cella. There is that handsome Don Searle. He was in here the other day and says Miss Searle, is just about ready to appear before KOIL. She is all of four months old.

Lena and Sena, you will have to Lena and Sena, you will have to get sick now if you want to hear Paul Johnson's attractive voice. He isn't with WCCO because he is too busy finishing his medical course at the U. of Minnesota. My, but won't he have a large practice! I really don't feel well myself. Do you? However, mild comfort can be taken in the fact that he announces the weekly organ recitals from 11:30 to 12:30 a, m. each Weduesday evening. evening.

Pegs, I have an uneasy feeling that your questions were not all answered. Did I tell you that Jean Sargent was with a department store, Stew Dawson at WIBO, Al Carney is not engaged and Pat Barnes has no little family? Well, there is my New Year's resolution, all questions to be answered.

Just a few lines from another Mrs. A. Just a few lines from another Mrs. A. A. about Mr. Cross. You remember his picture was in the December issue. "I just received the December Radio Digest and to my greatest joy, Mr. Cross's picture adorns the third page. I cut it out and pasted it on a sheet of white cardboard and hung the picture over my Radio and now you should see those gentle (not mischievous, as you say) eyes smiling down on us when we listen to his much Admired Voice. He is indeed the King of Announcers. I dare to say so because I am not in Marcella's shoes and it will not cost my sout. I like the way you speak of Mr. Cross, he deserves to be well spoken of."

Here's a pretty romance! You remember

Here's a pretty romance! You remember May Singhi Breen, the ukulele artist? She has been playing over New York stations for a terribly long time. She is engaged to Peter De Rose who has been her air partner since October 25, 1925.

If you only knew, R. B. W., how I have been trying to detect the whereabouts of Roy Stewart. He left WADC and went to

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about half as much current; as 'did before. Fittabus, about half as much current; as 'did before. ties alone from everywhere, even through static on Would not take \$10.00 for Fracto tube, if rould ther, but the properties of the control of the co

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WLBW, Oil City, Pa., and they don't know where he is. Anybody heard Roy lately?

The reason your question wasn't answered before, Mrs. J. H. W. of Harrison, was because we had no idea where Jack Nelson had gone to. He directed the Radio Show in the fall and then no one heard a thing from hlm. I saw a familiar form passing me on the busiest street in Chicago yesterday and hailed him. Jack looks just the same. He told me he was giving Prof. Histronia lessons twice a week at WCFL. Mrs. Nelson and little Miss Nelson WCFL. Mrs. Nelson and little Miss Nelson are both fine.

Of course, Marcella had to do it. She's fallen for a nice tall man with dark hair and brown eyes, but that was before she heard he was married and had three children. La! me, 'tis ever thus. Yes. Harld A. Safford is his name. He is that attractive new announcer at WLS. On the side he writes stories about WLS stars. He came to WLS from Sioux Falls. S. Dak. and has spent most of his thirty years in



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South Dakota, where he graduated from the Northern Normal and Industrial School at Aberdeen and then spent two years at South Dakota State college, Brookings. During the war he was in the infantry. Not only has Mr. Safford been known for newspaper work, but he is a good

Next time you shake hands with Thomas A. Edison take a good look at the right side of his face. That is the side his genius is indicated. Note the shagey belligerent eyebrow that will not behave, note the sharp penetrating quality of the eye, the general aggressiveness and push, while the other side of his face is genial and rather do-ile. These are facts narrated by John E. Garabrant who has made 1.500 photographs of the wizard, and always photographs taken from the right side.



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### Sun Spots Effects

As each eleven year cycle returns scientists learn more of the influence of the great solar storms known as sun spots. The government Pureau of Standards has recently issued a report covering a considerable period of observations as they effect Radio transmission.

"It is reasonably certain that I ng wave daylight Radio signals were stronger in 1927 when the sunspot cycle was at its maximum than in 1923 when the cycle was at its minimum," states the report, prepared by Dr. I. W. Anothered Mice I. I.

at its minimum," states the report, prepared by Dr. L. W. Austin and Miss I. J. Wymore,

Different results are shown at night, Different results are shown at night, when just the reverse condition is shown in the case of the broadcasting hand of waves. This effect was observed by G. W. Pickard, commercial expert, and by engineers for the Bell laboratories. Reports on the ultra short waves show conflicting results. The hureau suggests that this field of study offers an interesting field for experiment on the part of those who are scientifically inclined.

### New Invention Improves Radio Reception and Eliminates

Reception and Eliminates

Annoying Set Noises

It has been noticed by many Radio fans that manufacturers are not over-liberal in installing fixed condensers in their receivers. These condensers are costly and are one of the main items in running up the expense of the ordinary set. Consequently, many sets are apt to be shy the required, or ideal, number of fixed condensers necessary to perfect reception.

A new article, justly named the Roll-O Clarifier, has appeared on the market to help fans fill the lack of fixed condensers. It is only a small accessory and is easily attached to any set. Only two connections are necessary in its installation. It is contained in a small glass case and holds no harmful acids of any kind.

This clarifier is said to put an additional capacity of approximately 10 microfarads across the "B" batteries. In fact, it contains about as much capacity as the average "B" eliminator.

One of its main uses is in smoothing over nolsy, unsettled reception due to rundown "B" Batteries, It seems to add new life and pleasing sound to any receiver. Its main advantage is its ridiculously low cost. Only \$1.00 is needed to purchase one of these fine accessories.



demonstrating the amazing rain-proof feature Champion rain-proof make to measure cansolutely shed water. They dely rain snow. Hold one under a faucet. Turn the water—it rolls right off, leaving the dry and shapely! Men and hoys are astoniby this sensational demonstration and quic give you their orders. They like the muff and neckties that match—and order them on.

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Grach New 1928 Outfit Free Grach it quick! It is roday's finest and must comblete can outfit. Fits again in your pocket and makes the ideal side line. features many new styles and twenty-one latest rain's will fail rics. Ruch your name and address 1-7 your FREE outfit.

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### GABRIEL'S CHOICE

(Continued from page 23) thought he was not getting the service he should while his Eastern brother said nothing but just packed his grips and

moved.

There's a Difference
It is the same in broadcasting. Eastern listeners—after the first few years—simply flipped the dial when they felt aggrieved. Out here they write, telephone. aggreeved. Out here they write, telephone, send messengers and telegrams If they hear something they don't like. And that is a mighty fine thing for the broadcasters. If the station owner or management doesn't heed the plaints of the many he, or it, is liable to receive a bomb in the morning's mail before he loses his audience

morning's mail before he loses his audience.

Not having a constant and overwhelming flood of concerts to attend, not having the multifarious activities to "take in" that are concurrent in the East, the Westerner is naturally more appreciative of the best in music. Why? Because as a rule he must turn to the Radio for such entertainment and musical training and he has there been provided with innumerable "lecture courses" and thousands and thousands of played and sung compositions until he's a pretty wise judge of talent. It is much easier and more frequent, as well. One thing we lack is Radio critics. Only two such gentlemen regule the daily press with reviews of what has transpired the night hefore over the air lanes. One is swayed by personal likes and dislikes and the other, to judge from his writings, doesn't know what it is all about technically, and consistently makes ludicrous judgments since the why and and wherefore is cradled in clouds to his eye. Wholesome, unbiased critiques—such as Hawkins in New York, Douglass in Chicago and Grant in Boston—would be valued by the seventy-odd broadcasters to the 600,-000 set overwern on the Coast. and Grant in Boston—would be valued by the seventy-odd broadcasters to the 600,-000 set owners on the Coast. To sum it up without risking several thousand words which would insure the still-birth of this preachment:

Compete in Quality
While we lack in numbers, we compete
in quality with the rest of the country's
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McCormacks, Giglis, Menglebergs, Danirosches, Galli-Curcis, et al, for supremacy.

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Most of us out here look upon broadstory of the southere rook upon broad-casting as a profession and accordingly strive to do our best. There are till a few small stations who conceive Radio as a medium of hoakum, wise-cracking, play-boying and cheap propaganda. But they'll eliminate themselves.

eliminate themselves.

Finally, we have no differences between winter and summer broadcasting. There is no dead season for it's never too hot or too cold. This tends to make the bursars of speech input panels stand on their toes most of the time.

Picking up a local weekly magazine devoted to listings of Coast programs I find that on this, a Saturday night, between 8 o'clock and midnight, I can listen, if I wish to:

wish to:
Doug Fairbanks, Tom Mix, Gloria Swanson; 27 dance orchestras of A-1 caliber; 14 "classic" orchestras directed by men who receive from \$350 to \$1,000 a week salary; three Metropolitan stars here on tour; two University Glee Clubs; four Hawaiian groups really from the Sandwich Isles; three "frolies" of guaranteed excellence; many smaller concert programs and three over the Pacific Coast Network of the National Broadcasting Company which, in the nature of things, compare without bashfulness with eastern N. B. C. chain offerings.

bashfulness with castern to offerings,
There is, however, one difference. After 2 o'clock tomorrow morning I will not be able to tune in anything. But that's late enough to set up, anyway.

Little Joe Warner, favorite of the little listeners of WCFL, was taken off his feet a few days ago when formally presented with a high chair at the Chicago labor station. Although Joe stands about five feet with his shoes on, the high chair was intended for his three-months-old youngster. He was thankful for the gift and responded with his "Tuck-'Em-ln-Time" song.



tion. Eliminates noise and reduces static. Its single-point mounting is quickly installed — no wires, poles or cross-sticks. The Stanley Aerial is sold with a money back guarantee. You're sure of satisfaction! Send check or money order now for \$12.50 and we will ship immediately.

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### SIMPLE EXPLANATION

(Continued from page 19)

(Continued from page 19)

On the other hand, you may say that your range for reception is 500 miles. This you cannot truthfully do, as it depends on the power of the stations. Your range may be 500 miles for broadcasters putting 5,000 watts of energy into the air, but it is not 500 miles, on an average night, for stations of but 1,000 watts. You must therefore say, "I can receive stations of so-many watts power within a radius of so-many watts power within a radius of so-many miles better than 500 per cent of the time." That's your range, for stations of a certain power. It is less than that for stations of more power.

Thus there are the factors (a) the station's power, (b) your sensitivity, and (c) the condition of the atmosphere, to be considered. Factors "a" and "b" are the same every night, but factor "c" you cannot control and it varies every hour. You may get a 250 watt broadcester that is 3,000 miles away while listening tonight, yet not be able to tune in a 5,000 watt outfit that is but 400 miles away, tomorrow night. So if you cannot get the old home town Radio program with a set you have purchased, do not blame the set, as it may be that the broadcaster does not have enough power, you purchased too weak a set, atmospheric conditions between the station and you may be poor on the average, or you may have a location that is poor either for receiving that station or a great many stations. You'll just have to blame it on what we do not as yet know about Radio.

Editor's Note—In the concluding article of this series, appearing in the March issue. Mr. Thompson will take us into the component parts necessary for reception, why they are used, and what they do.

### FORGET YOUR TRIALS

(Continued from page 12)

the scheme that is reflected all the way to the distant listener. They are not disturbed. Protecting hands try to foster their eager desire for contentment by shielding them from ordinary annoyances. But they have had their trials and they know how to appreciate real contentment.

Both Are Entrancing Charlotte Meyers is older than Mary and I suspect that she mothers her quite a bit. Mary "ndor has dark hair that curls all over he head, and wide blue eyes and the







THE KEELEY INSTITUTE
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whitest teeth you ever saw. Charlotte has ted hair of the warm vibrant color that goes with her trish blue eyes and her lovable smile. They made an attractive picture as they sat at the microphone by the piano—Mary in her red smocked peasant dress, and Charlotte in her trim blue taillour.

oress, and Charlotte in her trim blue tail-bur.

"Don't forget, folks, we're just plain— Charlotte—and Mary—and we'll be with you again tonight at WLAV." The little red signal light flashed off and Charlotte and Mary turned away from the piano. As Mary began to collect the music, and Char-lotte went to the phone to order our lunch, I wandered around their suite. This stimt of playing house and broadcasting at the same time looked like a lot of fun. Espe-cially when there were piles of gay cush-ions around the brown and gold furniture of the living room; and cuming green fur-niture and pink lamps and curtains in the bedroom. Charlotte was particularly en-tranced with the view of the Ohio river that could be seen from the window beside the piano.

that could be seen from the whole the piano.
When the lunch was set out on the little gate-leg table, and we had tasted our chicken salad, Charlotte and Mary began to reminisce. They told me how they happened to be singing together, Charlotte had been a member of the Red Apple Club of WJR in Detroit for two years when Mary came to the station as a planist.

"Went Over Big"
"I never thought I could do harmony,"

"Went Over Big"
"I never thought I could do harmony,"
Mary said. "Then one day I was helping
Charlotte practice a song and we began to
sing 'The Land of Jack and Jill.' They
put us on the air with it that night, and
we were terrilaly surprised when it really
'went over big.' Every one knows us by
The Land of Jack and Jill.' Then we
learned 'Then I'll Be Happy,' and we sang
the two songs every night because people
kept asking for them. Finally we thought
we'd better have another song, so we
learned 'Dinah.'" we'd better have another song, so learned 'Dinah,' "

we unetter have another song, so we hearned 'Dinah,'"

Charlotte interrupted with "Yes, and we sang those three songs for three weeks every night, and then we got an eleven-week engagement at one of the higgest theatres in Detroit." She told me that she had been on the stage since the age of thirteen when she went into vaudeville in a singing act. Radio bas claimed part of her time for the past five years.

Mary was a little Hoosier girl who studied to be a concert planist. At the age of fourteen she wanted to take voice lessons. The teachers refused to take her as a voice pupil until she should grow to be "bigger than a minute." She hecame discouraged then, and abandoned her study of classical music. She played the piano after that only to accuse hereaft with

dassical music. She played the piano after that only to amuse herself with popular

Charlotte and Mary don't talk much out their own accomplishments, But Karl Tuttle, their manager, isn't quite

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Eliminates Noises!

Eliminates recises.

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ROLL-O RADIO CO. 318 Sycamore St., Dept. 39-T, Cincinnati, Ohio

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know that Ford and Glenn know harmony if anyone ever did." Tuttle almost purred.

He went on to tell me about their sensational success both in Radio and on the stage. He told me of the theaters in Detroit in which they had been engaged for split-week and one-week appearances, and at which they had stayed for three weeks, and for eleven weeks, and for seventeen weeks. He told me about their engagements around Detroit and Cleveland and Toldo. He didn't need to tell me about their recent successes for I knew what a sensation they were creating around WLW. On the stage they are a different team than the one that delights the Radio audience. They are among the few Radio entertainers who can transfer their appeal from that which is purely audible to one that is both audible and visible. In the first place, they are both awfully good to book at.

"We're contented because our Contented Club is making people happy. Their happiness keeps us hamy too. We like the

others to people whose lives otherwoodld be quite dark." is the way they pressed their philosophy.

Charlotte has not color that and her lovation and her lov

Took Boys' Tip
"I took Ford and Glenn's tip. They told me that Charlotte and Mary are the best girl's harmony team on the air. And I know that Ford and Glenn know harmony if anyone ever did," Tuttle almost purred.

Club is making people happy. Their happiness keeps us happy too. We like the Radio so much because it does spread happiness to people whose lives otherwise ressed their philosophy.

When I finally left Charlotte and Mary



FREE OUTFIT! FORD



Powerful 6-7

### SOLEMN OLD JUDGE PICKS MR. PICKARD

Y EORGE DEWEY HAY, the Solemn Old GEORGE DEWEY HAY, the Solemn Old Judge of WSM, Nashville, has a faculty of providing Radio entertainment particularly pleasing to his own area, whether it be in Nashville, Tennessee, or Chieago, III. One of the best of the typical entertainers of WSM is Obed Pickard and his guitar. Obed has a hearty, wholesome personality. He talks and he plays a character that is himself—and everybody likes Obed a whole heap.

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Tobacco Redeemer contains no habitaerming drugs of any kind. It is in nosense a substitute for tobacco. After finishing the treatmentyou have absolutely no desire to use tobacco again or to continue the use of the remedy. It makes not a particle of difference how long you have been using tobacco, how much you use or in what form you use it—whether you smoke cigars, cigarettes, pipe, chew plug or fine cut or use snuff. Tobacco Redeemer will positively remove all craving for tobacco in any formina very few days. This weaksolutely guarantee in every case or money refunded. Write today for our free booklet and positive proof that Tobacco Redeemer will quickly free you of the habit.

NEWELL PHARMACAL COMPANY Clayton Station

Dept. 842

ST. LOUIS, MO.



# OFFICIAL CALL BOOK AND LOG

Corrected Every Issue-

### **KDKA**

E. Pittsburgh, Pa., 315,6m-950kc, 50,000 watts. Westinghouse Elec. & Mig. Co. Italiy ex Sun. 10 ann. 12 n. 4-5 pm. 6, 8. Tues. 7, pm. Wed. Fri. 7 pm, 7:15. Fri. 11:30 pm. Blue cham program. Mon. 7:30-10 pm. Tues. Wed. Fri. 8-10 pm. Thurs. 8-11 pm. Sat. 8-10. Sun. 10:45 am. 4 pm. 4:45, 6, 7. 8:15. Eastern.

### **KDLR**

Devils Lake, N. Dak. 230.6m-1300kc. 15 wa Radio Elec. Co. Announcer, Harold Serumπard B Wick. Daily ex Sun 7-8-30 am, news, music; μ-330 pm, weather; 4:30-5 pm, Mon, 9:30-11-30 sun, 11 am, church. Founded Jan. 25, 1925. Cent

Salt Lake City, Utah. 234,2m-1280kc, 500 watts. Intermountain Broadcasting Corp. Amouncer, Philip G. Lasky, Slogan, 'On the Air-Geos-Everywhere.' Italiy ex Sun, 10:30 am, 25:15 pm. Mon, Vet Fri, 6-10 pm. Thes. Thurs, Saf, 6-12 and Saf,

Burbank, Calif. 228-9m-1310kc. 250 watts. Earl L. Whire. Daily ex Sun. 10-2 pm. 6-10. Wed-10-2 pm. 6-7 pm. 9-10. Last Sat, in month, 10-1 am, frohe, Pacific, Founded Feb. 12, 1926.

Portland, Ore. 239.9m-1250kc. 2,500 watts. West-ern Broadcasting Co. Announcer, Jack Barnet, Daily ex San, Sun, 9 am-12 mid. Sar, 9 am-2 am. Sun, 5(3)5-10 pm. Pacific. Opened Dec. 25, 1926.

Lincoln, Neb. 319m-940kc, 5000 watts. Nebraska Buick Auto Co. Amounteer, Gayle Grulb. Daily, 9-10 am, 11:45-12:30 pm, 2-3, 4-5, 6-7, 8-9, 10-11. Founded Dec. 4, 1924. Central,

### KFAD

Phoenix, Ariz. 272.6m-1100kc, 500 watts. Electrical Equip. Co. Announcer, Arthur C. Anderson, Slogan, "The Voice of Phoenix," Daily ex Sun, Mon, Tues Wed, Sat. 10-11 jm. Daily ex Sun, Mon, Sat. 26-31 jm. Daily ex Sun, Mon, Sat. 26-31 jm. Sun, 11 am-12:30 pm. 8-9. Founded Oct. 30, 1921. Mountain.

Boise, Idaho. 285.5m-1050kc. 4000 watts 6 am-6 pm. 2000 watts. Independent School Dist. of Roise. Announcer Walter T. Lockwood. Mon. Tues. Wed. Thurs. Fri. 12:30-1 pm. weather, markets. C.S. Sprogram. Tues. 7:30-8 pm. children's hour: 8-10, music. Thurs. 8-10 pm. Mountain. 7:30-9 pm. Founded Oct. 1921.

Havre, Mont. 275.1nr-1090kc. 50 watts, F. A. Buttrey Co. Announcer E. H. Nelson. Daily exsun. 12:30-1:30 pm, nusic, markets, weather reports. Wed, 7:30-9 pm, Sun. 1-3 pm, Founded 1921. Mountain.

### **KFBC**

San Diego, Calif. 247.8m-1210kc. 100 watts. Bal-boa Theater Bldg. Daily ex Sun, 9:30-10:30 am 12:45-1:45 pm, 5-10. Sun, 10-12 am. Bible lesson.

Sacramento, Calif. 535.4m.560kc. 100 watts. Sacramento Ree. Kimhall-Unyon Co. Announcer, R. K. Clark, Tues, Sat. 7:30-10 pm. Thurs, 8-10:30 nm. Founded 1921. Pacific.

Everett, Wash. 223.7m-1340kc, 50 watts. Lesse Bros. Daily ex Sun. 10-11 am, 4-5 pm, 6-7. Sub. 11-12 n. Tues, 10:30-12 mid. Pacific. Founded Aug.

Laramie, Wyo. 483m-620kc. 500 watts. Bishoj N. S. Thomas. Announcer. J. E. Edwards, Sunday services. Daily 11 an, 12 n, 230 pm, Tues, Wed Thurs, Fri, 9 pm. Mountain. Founded Nov., 1925.

### KFCB

Phoenix, Ariz, 243.8m-1230kc, 125 watts. Nielsen, Radio Supply Co. Announcer, E. A. Nielsen, Slogan, "Kind Friends Come Back," Mon, Thurs, 8-9 pm. Sat, 8-10 pm. Sun, 9-11 am. Monutain. KFCR

Santa Barbara, Calif. 211,1m-1420kc, 50 watts Santa Barbara Broadcasting Co. Announcer Jack W. Ciller, Daily ex Sun, 12-1 pm, 5:48-7, 7.7-20, 7:20-130, Mon, Tues, Wed, Thurs, 7:30-330 pm, 5:7-7:30-10 pm, Sat, 12-1 pm, 6:15-7:30 pm, Sun, 7:15-t15 pm, 8:15-9:15, 9:15-9 30, Pacific, Founded Jee, 22, 1926.

REQUIDITY. Tex. 483.6m-620kc. 500 watts. Magnolia Petroleum Co. Announcer, "Static," Slogan, "Kall for Dependable Magnolene." Daily ex Sun. 11 am. Tues, Through Fri. 12:30 pm, 12:35 Tues, 8:10 pm, Fri. 8:30-10:30 nm, 1st, 3rd Thurs, 9-10 pm, Sun, 8-9 pm. Central. Pounded Oct. 1, 1924.

Shreveport, La. 236.1m-1270kc. 250 watts. First Baptist church. Announcer, John S. Ramond. Wed 9-10 pm. Sun. 10:50-12 n., 7:45-9. Founded 1922

Brookings, S. D. 545.1m-550kc, 500 watts. Stat College of Agriculture and Mechanical Arts. At nouncer, Albert Kranz, Daily ex Sun. 12:30-1:15 pn Tues, Thurs, 7:30-9 pm. Central.

### KFDZ

Mirneapolis, Minn. 215-7m-1390kc, 10 watts. Harry (), Iverson. Sat, 8 pm. Central.

Portland, Ore. 214.2m-1400kc, 50 watts. Meier & Frank Co., Inc. Announcer, R. E. Hartzog, Daily cs. Stin. 12-1 pm, weather, music; 4-5 pm, music, 6-7, Parific. Founded 1922.

Denver, Colo. 247.8m-1210kc, 250 watts. Eugene P. O'Fallon, Inc. Announcer, J. H. Hathaway, Daily ex Sun, 2:15 am, gym; 10, 11, 2, 4, 5, 6 Thes, Thurs, 8 pm. Thes, 10 pm. Fri, 11 pm. Sun 8:30 am, 10, 2:30 pm. 4:30. Mountain.

St. Joseph, Mo. 230.6m-1300 kc. 1000 watts, J. Scroggin, Announcer, Clarence Koch, Daily et Sun, 8-48, an, 9, 10, 11, 12, 2, markets; 5 mush 6-30, music, 8:30-10. Mon. 11-12 mid. Sun, 11-12 central. Founded 1925.

Kellogg, Idaho. 232,4m-1290kc, 10 watts. Union High School Station. Announcer, Walter C. Clark. Slogan, "Voice of the Coeur D'Alenes," Mon. Thurs, 7-8 pm. Sun. 11 am. 7-30 pm. Pacific.

Boone, Iowa. 209,7m-1430kc. 10 warts. Boone Founded April 1923,

Wichita, Kan. 245.8m-1220kc. 500 watts. Hotel Lassen, Announcer, J. L., Fox. Daily ex Sun. 8:36 ann. 9; 10, 11, 1-2 pm, markets; 1:15, music, 7:30-95 Sun. 9:30 am, 7:30 pm. Founded Dec. 1, 1925.

### KFHA

unnison, Colo. 254.1m-1180kc, 50 watts, Wester tate College of Colorado. Announcer, E. Russel ightman, "Where the Sun Shines Every Day," ue-, Fri, 7-9:30 pm. Founded May 1922 Mountain

()skaloosa, lowa. 212.6m-1410kc. 10 watts. Pen College. Announcer, Donald Haworth. Tues, Fri 7 pm. Fri, 9:45 am. Sun, 4 pm. Central.

### KFI

Los Angeles, Calif. 468.5m-640kc. 5090 watts Earle C. Anthony, Inc. Announcer, Leslie Adam Sloggat, "A National Institution." Daily ex Sat Sun, 5:30-11 pm. Sat, 5:30-2 am. Sun, 11 am, 5:30 11. Installed Spring, 1920. Facific.

Portland, Ore. 214.2m-1400kc. 50 watts. Ben son Polytechnic School. Announcer, Albert Skei Omar Bitmer. W. Hollensted. Tues, 8:15-9:15 fun

Stechane, Wash, 245.8m-1220kc, 100 watts. North KFIU

Juneau, Alaska, 225.4m-1330kc, 10 watts, Alaska Elec, Light & Tower Co., Announcer, O. E., Schoem-hell, Mun, Wed, Fri, 6-7 pm., Alaskan time.

### KFIZ

Marshalltown, Jowa 247.8m-1210kc. 100-250 watts. Marshall Electric Co. Announcer. E. L. Pickett. Stoggan, 'Marshalltown, the Heart of Jowa,' Daily ex Sun, 10 am. 12-1;30 pm. Daily, 6 pm. 7. Tues. Fri, 8:30 pm. Sun, 11 am, 7:30 pm. Founded June 2, 1923. Central.

### KFJF

Oklahoma City, Okla. 272.6m-1100kc. 750.1000 watts. National Radio Mig. Co. Announcer. Tired Hand. Slogan. Radio Headquarters. Announcer. Tired Home. Grant Market Market

Astoria, Ore. 249,9m-1200kc, 15 watts. E. Marsh and Liberty theater. Announcer, E. Marsh, Daily ex Sun, 7-8 pm, Tues, Fri, 11-12 m Wed, Fri, 12:15-1:15 pm. Sun, 11 am-1:30 p. Butter of the property of the sun and the sun a

Grand Forks, N. D. 333.1m-900kc, 100 watts. University of North Dakota. Announcers, Howard J. Monley, Alired R. Botten. Norman Cross. Daily, 12 m, 6 pm. Sun, 10:45 am. 12:30 nm, 4:30, 6. Founded Oct., 1923. Central.

### **KFJR**

Portland, Ore. 282,8m-1060kc, 100 watts, Ashley C. Dixon & Son. Announcer, Ashley C. Dixon. Sr. Mon. Tues, Wed, Thurs, 5-6 pm, 7-8. Mon. 9-11 pm. Tues, 9-11:30 pm. Fri, 4-6 pm, 7-8. 12-13. 14-6 pm, 7-8, 9-10. Founded Sept. 23. 1923. Pacific.

Fort Dodge, Iowa. 232.4m-1290kc, 100 Tunwall Radio Co. Announcer, Carl Tunwall, ex Sun. 10:30-11:30 am, 5:45-7 pm. Tues, Id pm. Thurs, Fij, 8:30-9:30 pm, Wed, 3-4 pm. 11-12:30 pm. Founded Oct. 1923. Central.

Fort Worth, Texas, 249.9m-1200kc, 50 watts, W. E. Branch, Announcer, Jack Fralia, Daily ex Wed. Sun, 7-8 pun, 9-10, 7-8, 9-10, Sun, 1-3 pm, 6-7. Central, Founded Sept., 24, 1923.

Coto. 249.9m-1200kc. 200 watts. Colorado achers' College, Announcer, H. E. Green.

### KFKB

Millord, Kan. 241.8m-1240kc. 2500-1500 watts. J. R. Brinkley, M. D. Daily ex Sun, 10:15-10:30 am, 122-1:30 mm. Daily ex Sun, Sat, 3-4 pm, 5:30-10, Sun, 8 an, 10, 6-12 mid. Central.

### KFKU 8 ani

Lawrence, Kan. 254.1m-1180kc, 500 watts. University of Kansas. Announcer, Ellsworth C. Dent Mon. Thurs, 7-8 pm. Founded Dec. 15, 1924. Cen.

Chicago, Ill. 526m-570kc. 2500 watts. Westing-house Elec. & Mfg. Co. Mon. Thurs, 8 pm. Sun. XFKZ

Rockford, 111, 267.7m-1120kc, 100 watts. Swedisl Evangelical Mission Church, Announcer, Osca Olston, Paul Rodin, Mon. 8:15 pm. Sun, 10:45 am 9:30 pm. Founded Oct. 1923. Central.

### KFLX

Sioux City, Iowa. 232.4m-1290kc, 100 watts, Morningside College, Daily ex Sun, Sat, 11:40-12:30 pm. Tues, Wed, Thurs, Fri. 7:30-8:30 pm. Founded 1924. Central.

### **KFMX**

Northfield, Minn. 236.1m-1270kc, 500 watts. Ca ton College, Daily ex Sun, 10:30 am, time, 8:15 pm, lecture, 8:45, 10. Sun, 7 pm. Central.

Na. 4.44 Shenandoah, Jowa. 461.3m-650ke. 2000 watts. am-7 µm. Henry Field Seed Co. Amouncer, Henr Field. Shgam. "The Friends Farmer Station. Daily ex Sun. 6-8:30 am. 10-11, 12-2:30 µm; 3, Jadie bour; 5-7, Sun. 8-30-9:30 am. 1045 am. 2 µm. 3-services; 6, tiolden Rule, church service. Founde Figh. 1924. Central.

### **KFOA**

Seattle, Wash. 447.5m-670kc. 1000 watts. Rhodes lept. Store. Ambuniver. Arthur W. Lindsay. Mon. 10 am-10 fm. Tues, 12-10 pm. Wed. 10 am-11 bm. Thursday, 12-10 pm. Fri. 10 am-12 mid. Sata 12n-10 pm. Sud. 5:30-6:30 pm. Facific.

### **KFON**

Long Beach, Calif. 241.8m-1240kc. 500 watts. Nichols & Warinner, Inc. Announcer, Ital G. Nichols, Slogan, Piggly Wiggly Station, Daily and Sun, 9:30 am-12 mid. Founded March 1924. Pacific.

Lincoln, Nehr. 217.3m-1380kc. 100 watts. Howard A. Shuman. Daily ex Sun, 12-1 tnn, 2-3:15, 6-7, 8-10. Fri, 11-1 am. Central. Founded March. 1924. KFOX

Dublin, Texas. 275.1m-1090kc. 15 watts. C. C. Baxter, announcer. Mon. Thurs. 8 pm. Sat. 11 pm. Sun. 7:30 am. 1:30 pm. Central. Greenville, Texas. 230-6m-1300kc. 15 watts New Furniture Co. Announcer, Dave Ablowis Slogan, "The New Furniture Co., the Home o Furniture," Located at Greenville, Texas, You Find "The Blackest Land, the Whitest P. Daily ex Sun, 1 pm. music. Mon. Wed. Fri. Sun, 1 2 m. services; 7:30 pm. irregularly. C

geles, Calif. 232,4m-1290kc. 250 watts les Co. Forestry Dept. Tregular schedule

Carterville, Mo. 263m-1140kc, 50 watts. St. John M. E. church, S. Slogan, "Keeping Pace with Christ Meaus Progress," Daily ex Sun, 6:30-7 am. 2:30-3 pm. Sun, 1-2:30 pm. Central, Founded April 17.

Spokane, Wash. 245.8m-1220kc. 250 watts. Symolinvestment Co. Announcer, E. B. Craney, Dex Sun. Sat. 9:45-11 am, 3-9 µn, 6-10:30. Fri. 3 pm. Sat. 10:30-11 am, 2:30-3 pm. Sun. 7:40-9 p. Pacific. Founded 1922.

St. Louis, Mo. 234.2m-1280kc. 1000 watts, The Principia. Sun. 11 am. Founded May 9, 1924.

### KFOB

Fort Worth, Tex. 333.1m-900kc, 1000 watts, W. B. Fishhourn Inc. Announcer, Zack E. Hurt, Dailer, S. Sun, 813-07-30 am, 1230-1-30 pm, 7-30-8-30, 9-39-11, Wed, 8130-9-30 am, 1230-1-30 fm, Sat, 7-30-11 pm, Sun, 11-12 n, 6-7 pm, 7-30-11, Central.

### KFQD

Anchorage, Alaska, 344.6m-870kc, 100 watts Anchorage Radio Club, Announcer, Frank O. Berry Mon, Fri, 8-10 pm. Sun, 7:30-9 pm. Alaskan time Holy City, Calif. 249.9m-1200kc. 100 watts. W. E. Riker. Announcer. Arthur J. Landstrom. Daily ex Sun, 6:30-7:30 pm. Tues, Fri, 9:30-11 pm. Wed Thurs, Sat, 9-10 pm. Sun, 11-12 n, 10-11 pm. Pacific. Foundad Nov., 1924.

KFOW Seattle, Wash. 217.3m-1380kc. 100 watts. KFOW. Inc. Pacific. Announcer, Harry R. Long. Daily ex. Sun, 10-11 am. 12-1 pm., 2-3, 4:30-5:30, 5:30-6. 6-7. 8:30-10, 10-11. Sun, 4-5 pm, 5-7, 10-12. Pacific. Founded June. 1025.

Hollywood, Calif. 232.4m-1290kc, 100 watts. Taft Radio Company. Announcer, Allan Fairchild. Daily ex Sun, 12-1 pm, 5-6 pm, 6-11. Sun, 7-11 pm.

### KFRC

San Francisco, Calif. 454,3m-660kc, 1,000 w Don Lee, Inc. Announcer, Harrison Holliway, 1 ex Sat. Sun. 7-9 am. 10-12 n., 12-1 pm, 4:30-12 Sat. 7-9 am, 10-12 n., 12-1 pm, 4-12 mid. Sun. pm, 2-4, 5-12. Pacific.

### KFRU

Columbia, Mo. 249.9m-1200kc. 500 watts. Stephens college. Announcer, I.a Von Rall. Slogan, "Where Friendliness Is Broadcast Daily," Daily ex Sun. 8:30-11:15 am. 3 pm. 6:30. Wed. 7:30-10 pm. Thurs. 7:30-11 pm. Sun. 7:30 am. 9:20. 10:45, 4 pm. 5, 7:30. Founded October 25, 1925. Central.

San Diego, Calif. 440.9m-680kc. 500 watts. Airfan Radio Corp. Daily ex Sun, 10-11 am, 12:30-1:30 pm, 5:45-11. Sun, 11:15-12:15 pm, 2-4, 8:30-10. Pacific.

Los Angeles, Calif. 275.1m-1090kc. 500 watts. Angeles Temple. Daily ex Sun, Mon. 10:30-11:30 am. 11:30-12:30, orsan; 2:30-3:30 pm. prosran; 3:30-4:30, vespec; 6:30-7:30. Tues, 7:30-9:30 pm. Wed, Sat, 7:30-9:30 pm. Thurs, Frit, 7:30-11 pm. Sun, 10:30-12:30 pm. 2:30-4:40 pm. 6:30-11 pm. Pacific.

### olveston. Texas. 258.5m-1160kc. 500 watts.

olorado Springs, Colo. 282.8m-1060kc. 1000 war orley Mountain Highway, Announcer, How rown, Mon. 5-7 pm, 10-12. Tues, 8-10 pm. Th 12 mid. Fri. 10-12 mid. Sat. 8-10 pm.

**KFUO** St. Louis, Mo. (Tr. at Clayton.) 545.1m-550kc, 1000 watts. (Cuncordia Theological Seminary (Lutheran). Announcer. Herm. H. Hohenstein. Mon. Tues, Wed, Fri. 6 pm. Sun. 3:30 pm. 4, 9:15. Founded Dec. 14, 1924. Central.

Denver, Colo. 227.1m-1320kc. 100 watts. Fitz-simons General Hospital, Educational and Recrea-tional Dept. Announcer, Major Transue. Daily ex Sat and Sun, 10-11 am. Tues, Thurs, Fri, 7:30 pm. Mountain

### KFUR

Farmington, Utah. 225.4m-1330kc. 500 watts. Peery Building Co. Tues, Thurs, Sat. 9:50-11:50 pm, dance music. Mountain. Oakland, Calif. 256.3m-1170kc. 50 watts. The City of Opportunity." Mon. Wed. Fri. 10-11 ann. Wed. Fri. 8-9 pm. Sat. 1-30-2330 pm. 6:30-7:30. Sun. 9-10 am. 11-12u. 7-45 pm. Pacific.

### **KFUT**

### **KFVD**

Venice, Calif. 208.2m-1440kc, 250 watts, W. J. & C. I. McWhinnie. Announcer, Mrs. G. Webb. Daily ex Sun, 9:30-12 n, 4:30-6 pn, 9-12 mid. Wed. 12-2 an, Founded April, 1925. Pacific.

### **KFVG**

Independence, Kan. 225.4m-1330kc. 50 watts: First Methodist Episcopal church. Announcer, R. W. Elliott, Nogan, "The Voice of Southeastern Kansas from Independence, the Buckle on the Oil Belt," Tues, 8 pm. Sun, 10:55 am. 7:30 pm. Founded Mar. 1925. Central.

Houston, Texas, 238m-1260kc, 50 watts, KFVI Broadcasting Company, Announcer, Harry Waters, Daily ex Sum, 12 pm, Mon, Wed, Sat. 8-9:30 pm, Founded 1925. Central.

Cape Girardeau. Mo. 223.7m-1340kc. 50 watts. Hirsch Battery & Radio Co. Announcer. W. W. W. Watkins, Slogan. "The City of Opportunity. Daily ex Sun, 12-15 pm, news, markets, 6:45; music Sun, 11 am, Founded July, 1925.

ollywood, Calif. 361.2m-830kc, 500 watts. Warner rothers, Announcer, William "Bill" Ray. Mon, nes, Thurs, Fri. 10-10-90 am, 12-2;30 pm, 4:55-12 id. Wed, Sat. 10 am, 12n-12 mid. Sun. 7:30-10 pm.

l'omona, Calif. 222.1m-1350kc. 100 watts. L. E. Wall. Announcer, Bert Elise Wall. Daily ex Sun. 4-6 pm. 7-11. Facific.

### **KFWF**

St. Louis, Mo. 214,2m-1400kc. 250 watts. St. Louis Truth Center. Slogan, "The Voice of Truth Announcer, Rev. Charles H, Hartmann. Thurs, 10-45 am, 7-45 pm. Sun, 9 am, 10-45, 7-45 pm. Founded 1925. Central.

San Francisco, Calif. 267-7m-1120kc. 500 watts. Radio Entertainments, Inc. Announcer, Glenhall Taylor, Mon. 8 am-11 pm. Tues, Wed. Thurs. Fri. pm-1 pm. Sat, 7 am-12:30 am. Sun, 7:50-11 pm.

### KFWM

 Oakland
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Avalon, Calif. 299.8m-1000kc. 250 watts. Major Lawrence Mott-Signal Corp. Slogan, "Katalina for Wonderful Outlings." Daily, 12:30-1:30 pm, 7:30-9 Tues, Fr. Sun, 5-6 pm, Pacific. Founded April Jeroine. Idaho. 204m-1470kc. 15 watts. KFXD Inc. Daily ex Sun, 12 n. Wed, Sat, 8-10 pm. Sun, 11.20-12:20 pm.

KFXF Denver, Colo. 282.8m-1060kc. 250 watts. Colorado Radio Corp. Announcer, W. D. Pyle. Slogan, "The Voice of Denver." Mon. Fri, 7-10 pm. Wed, 7-1 am. Tues, Thurs, Sat, 10-1 am. Sun, 7-10 pm

Edgewater, Colo., 215.7m-1,390kc. 50 watts, R. (... Howell, Slogan, America's Scenic Center, Daily ex Sun, 2-4:30 pm, 5:30-9, Sun, 9-10 pm. Mountain KFXR Oklahoma City, Okla, 223.7m-1340kc. 50 waits. Exchange Ave. Baptist church. Mon. Wed. Fri. 8 pm. Sun, services.

Flagstaff, Ariz. 205.4m-1460kc. 25 watts. Mary M. Costigan. Announcer, Cecil J. Walters. 11 am, 3 pm, 6. Sun, 12-1 pm. Mountai **KFYO** 

# Breckenridge, Tex. 211.1m-1420kc. 15 watts. Kirksey Brothers Battery & Elec. Co. Daily ex Sun. 10:30-11:30 am. 12-1 pm. 8-10. Sun. 8-10 rm. Central. Founded Feb. 19, 1927

Bismarck, N. D. 249.9m-1200kc. 250 watts 500 6 am-6 pm, Hodskins-Meyer, Inc. Announcer C. F. Dirlam. Daily ex Sun, 12:39-1:30 pm, 5:3-8:30 pm, Tues, Thurs, 10-11 pm. Sun, 10-30-12 n, 1-3 pm, Founded Dec, 1925,

Spokane, Wash. 260.7m-1150kc. 2,000 watts. Northwest Radio Service Co. Announcer. Albert Ely. Daily ex Sun. 9, 11 am: 12, new: 12:15 pm. 5:30, kiddics' program: 6, time; 6:15-10 pm. 10-12; Sun. 1 2m. 7:30. Pactic. KGAR

Tucson, Ariz. 234.2m-1280kc. 100 watts. Tucson Citizen. Announcer, Harold S. Sykes. Tucs. Fri, 8-9 pm. Sun, 11 am. 7:30-9 pm. Installed June, 1926. Mountain. Ketchikan, Alaska, 228.9m-1310kc, 500 watta, Alaska Radio & Service Co. Announcer, Jack Ryno, Slogan, The Voice of Alaska, Daily ex Wed, 11-1 pm, 7-8:30, Tues, Thurs, 8:30-10 um Sat, 10-12 mid. Alaskan time.

St. Joseph. Mo. 288.3m-1040kc. 100 waits. Foster-Hall. Inc. Announcers. R. D. Foster, R. L. Hill. Daily ex Sun, 7-8 am. 12-1 pm. Mon. 5-6 pm. Wed. 5-7 pm. Tues, Thurs, Fri, 6-10 pm. Sun, 7:30 pm. Founded August 11, 1266. Central. KGBY Columbus, Neh 222.1ni-1350kc, 50 watts. Thelen and Laddiken. Mon, 12-1 pm, 6, Tues, 12 n, 8 pm. Wed, 12 n, 8 pm. Thurs, 12 n, 6 pm. Fri, 12 n, 8 pm., Sat. 12, Sun, 4 pm. Central. Founded Aug.

Yurk, Neh. 212.6m-1410kc, 250 watts. Announcer, Dr. George R. Miller, Slogan, "Keep Your Hoks and Poulity Healthy" Mon, Thes. Wed, Thurs, Srt, Sat, 5:30 am, 9, music, 12:30, 2:30, 7:30, Thurs, Sat, 10:304-1130 jm, music, Alternate Sun, 11 am, 7:30 pm, service, Opened Aug., 1926. Central.

Decorah, la 247.8m-1210kc. 10 watts, Ben Beat Chathing Company, Announcer, Charles Greenley Daily, 12 30-1 pm. Wed, 7-8 pm. Sun, 2-4 pm KGCB

### Oldahoma City, Okla. 215.7m-1390kc. 50 watts. Wallace Radio Institute. Daily ex Sun, 10 am. 5 **KGCH**

Wayne, Nebr 293.9m-1020kc, 250 watts, Wayne Hospital Announcer Merrill Shum, Slogan, Re-member Us When U R III Daily ex Sat. Mon. 1 10 June 1 June 1

### **KGCI**

San Autonio, Texas. 220.4m-1360kc. 100 watts Liberty Radio Sales.

### KGCL

Seattle, Wash. 230.6m-1300kc. 50 watts. Louis Wasmer, Archie Taft. Announcer, Herman Riece. Mon. Wed, Thurs, 6:30-7:30 pm, 8:30-11. Tues, Fri, Sat. 3-7:30 pm, Pacific.

### KGCN

Concordia, Kan. 208.2m-1440kc. 50 watts, Concordia Broadcasting Co. Daily ex Sun, 12:30-1:30 pm, 7-9. Founded Aug. 1926. Central.

### KGCR

Brookings, S. D. 208.2m-1440kc, 15 watts. Cut-ler's Radio Broadcasting Service, Inc.

### KGCU

Mandan, N. D. 239.9m-1250kc, 100 watts. Mandan Radio Assn. Announcer, H. L. Dahners. Daily ex Sin, 7-8-30 au, 1,2-1-30 nm, 630-8. Sun, 11-12 n, 4-30-6-30 pm. Mountain, Founded 1925.

### KGCX

Vida, Mout. 243.8m-1230kc. 10 watts, First State Bank of Vida. Announcer, E. E. Krebsbach. Daily ex Sun. 12 n. Sun. 11 am. 2-4 pm. Mountain. Founded Oct. 1, 1926.

### KGDA

Dell Rapids, S. D. 254.1m-1180kc, 6 am, 6 pm, 15 watts. Home Auto Co. Sun, 10-11 am, 1:30-4 pm, Central,

### **KGDE**

Barrett, Minn. 205.4m-1460kc. 50 watts. Jaren Drug company. Daily ex Sun. 12:30 pm, musicale: 1, news, weather, markets; 4:30-7, musicale. Sun. 10:30-3 pm, 6.8. Licensed Sept. 15, 1926. Central.

### KGDM

Stockton, Culif, 217.3m-1380kc, 10 watts, Peffer Music Co, Daily ex Sun, 10-11:30 am, 2-3 pm, Thurs, Sat, 8-10 pm, Central, Founded Jan, 1, 1927.

### KGDP

Pueblo, Colo. 223.7m-1340kc. 10 watts. Boy Scouts of America. Tues, 8 pm. Thurs, 9 pm. Mountain.

San Antonio, Texas. 206.8m-1450kc. 15 watts. Joe B. McShane. Announcer, Joe B. McShane. Daily ex Sun. 4:30-5:30 pm. Thurs, 9-10 pm. Central. Founded Nov., 1926.

### KGDW

Humboldt, Nebr. 293,9m-1020kc, 100 watts. Frank J. Rist. Announcer, C. M. Hecht. Mon, Sat. 7:30 pm. Tues, Wed, Fri. 11:30 am. Thurs, 8:30 pm. Central, Founded Nov., 1926.

### KGDX

Shreveport, La. 212.6m-1410kc, 250 watts. William KGDY

Oldham, S. D. 206.8m-1450kc, 15 watts, J. Albert Loesch, Thurs, 7:45-11 pm. Central. Founded Dec. 26, 1926.

### KGEF

Los Angeles, Calif. 263m-1140kc. 500 watts, Trinity Methodist church. Daily ex Sat, 6-10 mm. Sun 10:45-12:30 pm, 5-6, 7-10:30. Pacific, Founded Dec 26, 1926

### KGEH

Eugene, Ore. 201.2m-1490kc, 50 watts. Eugene Broadcast Station, Announcer, Curtis Phillips, Daily ex Sun, 9-10 am, 12:15-1 jun, 3-4, 6-8, Sun, 11:12:30 um, 2-4, 2:30-9:30. Pacific. Founded Jan, 1, 1927.

### KGEK Yuma, Colo. 263m-1140kc. 10 watts, 7 am-7 pm Beehler Electrical Equipment Co.

El Centro, Calif. 225.4m-1330kc, 15 watts. E. R. Irey and F. M. Bowles. Daily ex Thurs, Sun. 12:15-1:15 pm. Mon, Wed, Fri, 5:30-6:30 pm. Tues, Sat, 8-9 pm. Thurs, 9-11 pm. Pacinc.

### **KGEO**

Grand Island, Nebr. 205.4m-1460kc. 100 watts. Hotel Yancey, Mon. Wed. Sat. 8-9 pm. Tues, Fri. 12:25-12:55 pm. Sun. 2-4 pm. Central,

Minneapolis, Minn. 204m-1470kc. 50 watts, Fled W. Hertmann. Mon. 7-8 pm. Tues, 8:30-11:45 pm. Wed. 6:30-8:30 pm. Thurs, 8:30-10:30 pm. Fri. 6:15-9 pm. Sat. 3-5:30 pm. Central.

Long Beach, Calif. 215.7m-1390kc, 100 watts, C. Merwin Dohyns. Daily ex Sun, 9 am-12 mid. Founded Dec. 19, 1926.

### KGES

Central City, Neh. 204m-1470kc. 10 watts. tral Radio Elec. Co.

Fort Morgan, Colo. 218.8m-1370kc 100-200 watts. City of Fort Morgan, Announcer, Glenn S. White. Daily ex Sat. Sun, S.155-545 pm, markets. Thire. Daily ex Sat. Sun, S.155-545 pm, B-10. Sun, 11-12n, 2 mm, Mountain, Founded Jan, 15, 1927,

### KGEY

ver, Colo. 201,2m-1490kc, 250 watts.

### KGEZ

Kalispell, Mont. 293,9m-1020kc. 100 watts. Flat-head Broadcasting Assn. Announcer, John E. Parker, Ibaily ex Sun. 12-1 pm. Mountain. Founded Feb. 20, 1037

Iowa City, Iowa, 223.7m-1340kc. 10 watts.

KGFG

Oklahoma City, Okla, 215.7m-1390kc. 50 Full Gospel Church,

J.a Crescenta, Calif. 223.7m-1340kc. 250 watts. Frederick Robinson, Announcer, Formosa H. Robinson, Slogan, "Voice of the Sierras," Mon. Tues, Wed, Fri, 8-10 pm. Founded Feb. 7, 1927.

### KGFI

San Augelo, Tex. 220.4m-1360 kc. 15 watts, Rags-dale Auto Co. Daily ex Sun, 12 n, 8-10 pm. Sun, 10:45 am, 7:45 pm, sermous. Central.

Los Angeles, Calif. 208.2m-1440kc. 100 watts. Ben S. McGlashan. Slogan, "Keeping Good Folks Ioyful." Daily ex Sun, 6:30-930 am. 12-4:30 pm. 6-9. Daily ex Sar, 12-6:30 am. Sun, 9 am-2:30 rm. Picific. Pounded Jan. 18, 1927.

### KGFK

Minn. 223.7m-1340kc. 50 watts. Kittson Eenterprise, Founded May, 1927.

Raton, N. M. 222.1m-1350kc, 50 watts. Radio Trust Co.

### KGFN

Aneta, N. D. 199,9m-1500kc, 15 watts, Haraldso & Thingstad.

### **KGFO**

Terre Haute, Ind. 204m-1470kc. 100 watts. KGFO.

### **KGFP**

Mitchell, S.

### KGFW

Ravenna, Nebr. 296.9m-1010kc, 10 watts, Otto F. Sothman, Announcer R. H. McConnell. Slogan, "Catering to the Home Folks." Daily ex Sun, 8-9 am, 11:45-12:15 pm, 3:15-4:15. Central.

Pierre, S. D. 254.1m-1180kc. 200 watts, 6 pm, Dana McNeil, Daily ex Sun, 12-15 pm, weather, Central.

### **KGGF**

Picher, Okla. 206.8m-1450kc. 100 watts. Dr. D. L. Connell. Daily ex Sun, 7:30-8:30 pm, 8:30-9:30. Central. On air Sept. 1, 1927.

### KGGH

Cedar Grove, La. 212.6m-1410kc, 50 watts, Bates Radio & Elec. Co. Announcer, A. J. Bates, Mon. Wed, Fri, 7-9 pm. Central, Founded Sept. 15,

Inglewood, Calif. 204m-1470kc. 100 watts. Jay Peters. Portable. Daily ex Sun, 12-2 pm, 6-10 pm. Sun, 12-2 pm, 8-12. Pacific. Founded Nov. 1, 1925.

### KGHB

Honolubi, H. I. 227,1m-1320kc, 250 watts. Sales Co. Announcer, Gaylord Byron, Mon, Wed, Fri, 6-10 and 13,20-20, 129-5, e10, 9 9-10 ann, 11-30-1, pnn, 12-30-5, e10, 9 11:30-1 pn, 330-5, 6-12 mid, Swn, 10-12 n, 6-157½ meridian, 2½ hours earlier than 1 Founded Sent. 28, 1927.

KGHC Slayton, Minn, 209.7m-1430kc, 15 watts, Hegstad

### KGHF

s weilio, Colo, 209,7 m-1430kc, 250 watts. Philip G. KGHP

Hardin, Mont. 263m-1140kc. 50 watts. Ar Legion, Hardin Post, No. 8.

### KGO

(Dakland, Calif. 384.4m-780kc. 5000 watts. Gen. Elec. Co. Announcer. Howard 1. Milholland. Daily ex Sun, 11:30 am, I pm. weather, stocks; 6-6:55, finner concert; 6:55, reports. Mon. 4-5 pm. Mon. 9 am, book review, 5:30, kiddies club; 8-9, grand opera, 9, time; Tues, 8-9 pm. Pligrims; 9-10, Eveready, hour; 10-11. Ilits and Ilits; Wed. 6:35 pm. concerts of the stock of

San Autonio, Texas. 220.4m-1360kc. 100 watts Paramount Radio Co. Aimouncer. L. G. Welser 19.7 mount Radio Co. 30 am. 2-3 pm. Mon. Soc. 8.309-9.30 pm. 48-60-930 10.00 pm. Fri. 7:30-8:30 pm. Sun. 12 pm. Central. Opened Jn. 31, 250-8:30

### **KGRS**

Amarillo, Texas. 243.8m-1230kc. 250 watts. Gish Radio Service. Announcer, L. B. Cornelius. Daily ex Sun, 6:30 am. 10, 11:45, 6:30. Mon, Wed, Fri, 9 pm. Sun, 11 am. 7:30 pm.

San Francisco. Calif. 206.8m-1450kc. 50 watts. Glad Tidings Temple and Bible Institute. Daily ex Sun. 12:30 pm, scripture reading. Tues, Wed. Fri. 8-10 pm. Wed. 2:30-4 pm, Divine healing service. Sun. 2:30-3 pm, Sunday school, 3-5, service; 7:30-10, service. Pacific. Founded Nov. 1025

### KGU

Honolulu. Hawaii. 270.1m-1110kc 600 watts. Marion A. Mulrony. Announcer, Homer Tyson. Daily, 12-pm. Daily ex Sat and Sun, 5-6 bm. Mon., 12-thurs, 7:30-9:30 pm., Fri. 8-9:30 pm., Sat, 2-4:30 pm., sports. 1574, merdidan. 2½ hours earlier that Pacific. Founded May 11, 1922.

Portland, Ore. 491.5m-610kc, 1000 watts. Oregonian Publishing Co. Announcer, Dick Haller. Slogan, Kixlw, Keep Growing Wiser. Daily excouncert, 7-10. Mon Worter Household helps of one excreises; 2-3 pm. 7, travelog; 9-11 pm. Wed. 9-10 pm. 10-12. Thurs. 7-30-7;45 pm. amusement guide; 7:45-8. lecture; 9-10. Fri, 9-48-10 am, exercises; X-30-8, 9-12 mid. Sat. 10-12 mid. Pacific.

Lacey, Wash. 243.8m-1230kc, 50 watts. St. Martins College. Announcer, Sehastian Ruth. Slogan, "Out Where the Cedars Meet the Sea." Sun. Thes, Thurs, 8:30-9:30 pm. Pacific. Opened April 5, 1922. KHAC

Los Angeles, Calif. 416.4m-740kc. 500 watts. I Lee, Daily ex Sun. 12:30 pm markets; 6, din music; 6:45, 7 yn. 12:30 ym markets; 6, din am, 10:30, 7-10 pm. Pacific.

Harlingen. Tex. 236.1m-1270kc, 190 watta. Harlinger Music Co. Announcer, H. R. Baurn, Slogan, 'Dawin the Valley.' Daily se Sun, 1 pm, wearther, 2-4. Mon, Wed, Fri, Sat, 7-9 pm. Central. Founded Feb., 1927.

Spokane, Wash. 370.2m-810kc. 1006 watts. Louis Wasmer, Inc. Announcer, C. P. Underwood, Slogan, Tells the World. "Baily ex Sun, Wed, 12:30-1:30 pm, 3-4, 6-12 mid. Wed, 7-10 pm, Sun, 10:30 am, 11-2 up pm, Pacific. KIAF Sihtipoc, Minn. 422,3m-710kc. 500 watts. Steele Co. Slogan, "Far from the Maddening Crowd." Mon, Wed. Fri, 7-8 pm. Sun, 2-3 pm. Central,

Red Oak, Iowa, 322.4m-930kc, 100 warts, Atla Automobile Co. Operated by Walmut Grove Prodi Co. Announcer, H. A. Marshall, Daily ex S 11:50-12:30 pm, question lox, markets, Daily Sun, 7:45-9 pm, Founded 1923, Central.

### **KJBS**

San Francisco, Calif. 220.4m-1360kc. 50 watt Julius Brunton & Sons Co. Anonucer, Carl Chri Riansen, Dally ex Sun, 9-12 n, 1:30-7:30 pnn, M Wed, Thurs, 8-10 pm, Tues, Fri, 8-11 pm, Su 1:30-6 pm, Pacific, Founded Jan, 1925. KJR

# Seattle, Wash. 348.6m-860kc. 2500 watts. Northwest Radio Service Co. Announcer, W. C. Gordon. Daily ex Sun. 9 am. 12 nild. Sun. 9 am. 10, 11, 230 pm. 6:15-7:15, 7:15, 7:30, 9. Pacific, Opened July 2, 193.

Seattle, Wash. 265.3m-1130kc, 15 watts. City of Seattle. Daily, 10 pm. Pacific. Opened Dec., 1926.

### KLCN

Blytheville, Ark. 285.5m-1050kc. 6 am-6 pm, watts. Edgar G. Harris.

### KLDS

Independence, Mo. 270.1m-1110kc, 1500 watts, Reorganized Church of Jesus Christ of Latter Day Saints. Midland Broadcasting Co. Amounteer, Arthur B. Church. Tues, 6:30 am, 7, 6:45 pm, 7:30, 8, Thurs, 6:45 pm, 8, Fri, 6:30 am, 7, Sat, 8 pm, Sun, 8:30, am, 9, 11, 3 pm, 6, 9:15. Centiral. Founded 197

### KLIT

### KLS

Oakland, Calif. 245.8m-1220kc. 250 watts. War ner Bros, Radio Supplies. Announcer, Ralph Moore Slogan, "The City of Golden Opportunity." Sun 10-11 am. Tacinc.

### KLX

Oakland, Calif. 508.2m-590kc. 500 watts. Oakland Tribine. Announcer, Charles Llovd. Slogan, "Where Rail and Water Meet." Daily ex Sun, 130 am, woman hour: 11:30, lunchem concert; 1, 14:05, 130, 61:00, 130, dinner concert; 7, news; 8, program. Pacific. Founded Nov. 20, 1922.

Denver, Colo. 296.9m-1010kc. 750-1000 watts, Reynolds Radio Co. Announcer, Julian C. Riley. Slogan "Pioneer Broadcasting Station of the West," Daily and Sun, 9:30 am, 1, 6. Mon, 6-10 pm, Tues, 6-11 pm, Wed, 6-10 pm, Turrs, 6-7 pm, Fri, 6-11 pm, Std. 6-12 md, Sun, 9:30 am, 7-11. Mountain, Pounded 1919 as 97AF.

### **KMA**

Shenandoah, Iowa. 394.5m-760kc. 1000 watts. May Seed & Nursey Co. Announcer, Earl E. May. Parly ex Nun, 6-7 am, 9-10, 11-1 pm, 2-4 pm, Daily ex Sun, Mon. 5-8-30 pm. Mon. 5-10:30 pm, Sun, 8-9 am, Jl. 1, 21:15-230 pm, 4-6. Central. Founded

### **KMBC**

Kansas City, Mo. 270.1m-1110kc. 1500 watts. Mand Broadcast Central. Abnouncer, Arthur Church. Daily ex Sun, 9 an, 12 n. 4 pm, 7, 9, Sun, 7 pm, 7;45. Founded April, 1922. Central.

### KMED

Medford, Ore. 249.9m-1200kc. 50 waits. W. J. Virgin. Daily ex Sun. 10-11 am, 12:15-1:15 jun. 6:15. Mon. Tues, Wed, Fri. 10 pm. Fri. 11-11:30 jun. Sun, 11-12 n, 8-9:15 pm. Pacific. Founded Dec. 22, 1326.

### **KMIC**

Inglewood, Calif. 223.7m-1340kc. 250 watts. J. R. Fouch. Mon. Tues. Wed. Fri. 7 am-8 pm. 10-12. Thurs. Sat. 7 am-12 mid. Sun. 11-12:15 pm. 8-9:15. Pacific. Founded Jan. 10, 1927.

### KMJ

Fresno, Calif. 365.6m-820ke. 50 watts. Fresno Bee. Announcer, W. F. Bragg. Mon. Wed. Fri. 7:15-10 pm. Tues, Thurs, 9-10 pm. Sat. 9:15-12 MMJ. Founded Oct. 1, 1922.

# Clay Center, Neb. 285.5m-1050kc, 250-500 watts. M. M. Johnson Co. Daily ex Sun. 7:30 am, 10, 11, 12:30. L. S. livestock market; 1:30 ym. 7, 8, Sun. 9 ym. Tues, silent, Founded 1925. Central,

KMO Tacoma, Wash, 254.1m-1180kc, 250 watts, K. Inc. Announcer, Carl E. Haymond, Mon, T Wed, Thurs, 10-11 am, 2-3 pm, Mon, 7-9:30 Tues, 9-12:30 am, Wed, Thurs, Fri, 8-10 pm, Tues, 9-12:30 am, Wed, Thurs, Fri, 10-11 am, 10-10 pm, Sun, 10-10 pm, 10-10 p

### KMOX

St. Louis, Mo, 299.8m-1000kc, 5000 watts. The Voice of St. Louis. Announcer, George Junkin. Daily ex Sun, 1:40 am, markets; 10:45 pm, talks; 11:15, music; 12 n, farm flash; 1 pm, orchestra; 2, idecture: 2:30, studio program; 5, markets; 6, chidren clui; 6:30, program. Mon, Wed, Fri, 8 pm, 6:40, pm, 10:1 am, dance music, Tues, Thurs, 8 pm, 10:1 am, Sun, 2 pm, 4 pm, 8. Central. Founded Dec. 18, 1925.

### KMTR

Los Augeles, Calif, 526m-570kc, 500 watts, KMTR Radio Corp. Daily ex Sun, 7-7:30 am, exercises 7:30-8:30, 8:45-9, time; 11 pm, 1:30-2:30, 5:30-11 Installed June, 1925.

## KNRC

Santa Monica, Calif. 374.8m-800kc. 500 watts. Keirulff & Ravenscroft Co. Announcers, R. L. Rust, Margaret M. Shontz, Daily ex Sun, 1:30-4:30. Tues. 4:30-5 pm. Sun, 10:45 am. 2:30-4 pm, 5-9. Installed 1921 Pacific. KNX Los Angeles, Calif. 336,9m-800kc. 500 watts. Western Broadcast fo. Announcer, "Town Crier." Daily ex Sun, 6:45 am. exercises; 8, prayer; 8:55, time; 9, news; 10, Town Crier; 10:30, pm, book talk; 2:4, 4:55, markets; 5, 5:00, 10:30, dinner music. Mon. Tues, Wed. Town Erier; 6:30, dinner music. Mon. Tues, Wed. Town Erier; 6:30, dinner music. Mon. Tues, Wed. Town Erier; 6:30, dinner music. Mon. Sun, 10:12:30 pm, church service; 12:45:145, 2-4, 6:30-9, 9:10:30. Installed Oct. 11, 1924. Pacific.

KÕÄ Denver, Colo. 325-9m-920ks, 2500 watts, 6 and 7 pm. 5000 watts, General Elec. Co. Amountee Freeman Talbor Daily ex Sun, 11:54 am. westly markets. Daily ex Sat, 11:54 am. westly markets. Daily ex Sat, 8 un, produce. Baily 20:05 pm. organ. Tues, 8 pm. bridge; 8:30, danc Tues. Thurs, Fri, 3:30, housewives' matinee, Thur 4 pm. Daily ex Sat, 8 un, 6 pm. stocks, market produce, news bulletins. Mon, 7:30 pm. stocks, market produce, news bulletins. Mon, 7:30 pm. Appreciation. The start produce, 10:10 pm. stocks, market produce, 10:10 pm. stocks, market produce, 10:10 pm. stocks, 10:10 pm. stocks, market produce, 10:10 pm. stocks, market produce, 10:10 pm. stocks, market produce, 10:10 pm. stocks, 10:10 pm. stocks

### KOAC

Corvallis, Ore. 270.1m-1110kc. 500 watts, Oregor Agricultural College, Announcer, W. L. Kadderly, Mon, Tues, Wed, Thurs, Fri, 7 pm. Pacific Founded Dec., 1922.

### KOB

State College, N. M. 394.5m-760kc, 7500 waits, 6 am-6 pm, 5000 waits. N. M. College of Agri, & Mech. Arts. Announcer, Robert Stewart, Slogan. "The Sunshine State of America." Daily 11:55-12:30 pm, time, weather, markets, road reports, Moin, 7:30-8:30 pm, larm program. Wed, Fri, 7:30-8:30 pm, music. Founded 1920. Mountain.

### KOCH

Omaha, Neh. 258.5m-1160kc, 250 watts, Central Radio School, Announcer, Wilbur Cramer, Tues, Wed, Thurs, Fri, 7-10 pm, Founded 1923. Central. KOCW

# Chickasha, Okla. 252m-1190kc. 250 watts. Okla. Chickasha Broadcasting Co. Slogan, "The Friendly Station in a Friendly Town." Daily ex Sun, 9-16 am, 11-30-12-30 pm, Sat, 6-12 mid. Sun, 10:50-12 m, 7:30-8-30. service. Central. Founded Nov., 1922.

Council Bluffs, Ia. 319m-940kc, 5000 watts. Mona Motor Oit Co. Announcer, Boh Hall. Daily ex Sun, 8-9 am, musicale; 10-11, Aunt Sammy; 12:30-2 pm, musicale; 3-4, 5-5:30, 5:30-6, 7-8, 9-10, 11-12, 12-1. Central. Founded July 10, 1925.

### KOIN

Portland, Ore. 319m-940kc. 1000 watts. KOIN. Inc. Announcer, Paul II, Connet. Daily ex Sum, II am, II am, I2 II, 3, 5;15, 6, 7, 7;15, 8-9, 9-10. Sat. II-1 am. Mon. Wed, Fri. 10-11 pm. Mon. Wed, Fri. 10-11 pm., Mon. Wed, Fri. 10-11:30 pm. Sun, 3-4:30 pm, 6-7 pm, 7;50, 9, Pacific. Founded April, 1926.

### **KOMO**

Seattle, Wash, 305.9m-980kc, 1000 watts. Fisher's Blend Station, Inc. Announcers, Robert Nichols, George Nelson, Daily ex Sun, 10, am-12.30 am, 10, inspirational; 10:15, health exercises; 10:34, home economics; 11, vocalists; 12 n. farm talks; 12:15, organ; 1:15, orclestra; 5:15, children's program; 5:45, stocks and bonds; 6, news; 6:15, orchestra; 9, N. B. C.; 10, program; 10:30, news; 10:45, dance orchestra. Sun, 10 am-11 pm, Pacific. Founded Dec. 31, 1926.

Denver, Colo. 247.8m-1210kc. 250 watts. The Associated Industries Broadcasting. Daily ex Thurs, 7-9 pm. Sun, 11-12 n, 6-7 pm, 7:30-9. Mountain,

### **KPCB**

Seattle, Wash. 230.6m-1300kc. 50 watta, Pacific Coast Biscuit Co. Amounter, L. D. Greenway, Daily ex Sun, 9:30-9:50 am, recine; 7:30-8:50 nm Mon, Wed, 5:30-6 (nn. 6, sports, Thes. 8:30-10 pm, Fri. 8:30-30 pm, Sat, 8:30-9:30 pm, Pacific, Pri. 8:30-10 pm, Pacific, Pri. 8:30-8:30 pm, Pacific, Pri. 8:30 pm, Pacific, Pri. 8:30 pm, Pacific, Pri. 8:30 pm, Pacific, Pri. 8

### **KPJM**

Prescott, Ariz. 214.2m-1400kc. 15 watts. Frank Williams, Irregular hours, news, sports.

Los Angeles, Calif. 252m-1190kc, 500 watts. Pacific bevelopment Radio Co. Announcer, Baron Keyes, Datly 11 am-11 pm. Sun, 7-10 pm. Pacific. Founded March, 1927.

### **KPNP**

Muscatine, Iowa. 211.1m-1420kc, 100 watts. Central Radio Co. Wed, 9:20-10:20 pm. Central,

### **KPO**

San Francisco, Calif. 422,5m-710kc, 1000 waits. Hale Bros, and the Chronicle. Announcer, Curtis Feek, Slogan, "The Voice of San Francisco, The City by the Golden Gate." Daily ex Sun, 6:45-7:15, 7:45, health drills; 10:30, utility features; 12 n, time, weather, Ibaily ex Sun, 1-7:30 pm, concert, talks. Mon. Tues. Wed. Thurs, Fri. 8-11 pm. Sat, 8-12 mid. Fri, 12:45 pm. luncheon talks. Sun, 9:45-10:30 am, service; 6-10 pm, Facific.

Pasadena. Calif. 228.9m-1310kc. 50 watts. Pasadena Preshyterian church. Announcer, Wm. G. Annon Pohlman, Wed. 7-9 pm. Sunt. 10:30-12:30 pm. 6:45-9. Founded Dec. 25, 1924. Pacific. **KPRC** 

Houston, Texas. 293.9m-1020kc. 500 watts. Houston Post-Dispatch. Slogan, "Kotton Port Rail Center." Announcers, Alfred P. Daniel, Ted Hills. Daily ex Sun, 10:55 am. time; II, weather, markets; I2 m, entertainment. Daily ex Fri, Sun, 3-4 pm. ex Sun, Fr. 7:30-2:30 pm. Sun, II am, I pm. 8 pm, services. Founded May 8, 1925. Central. Pasadena, Calif. 315.6m-950kc, 1000 watts. Pasadena Star-News. Announcers, George Frenger, P. C. Pryor, Daily ex Sun, 12:15 pm, 6 pm, news. Tues, Thurs, Sat. 8-9 pm. Sun, 10:30-12:30 am. Installed Nov. 23, 1925. Pacific,

Pittsburgh, Pa. 270.1m-1110kc. 500 watts. Doubleday-Hill Elec Co. Announcer, Howard E. Clark. Mon. Wed, Fri, 4-5 pm, 6-9. Tues, Thurs, 4-5 pm, 6-7. Sun, 1-2 pm. Eastern. KQW

San Jose, Calif. 296,9m-1010kc, 500 watts, First Baptist church. Daily ex Sun, 1-2:30 pm. music; 5:530, children's hour; 5:30-6, studio program; 6. Aunt Sammy; 6:20-6:30, U. S. D. A.; 6:40, U. S. Farm Radio school; 6:50, Farmers exchange; 7, news, weather, markets; 7:20, farm topics; 7:30, mail bag; 7:40, talk; 7:55, riddles; 8, program. Sun, 10 am. 7:30 pm. Pacific, KRAC Shreveport, La. 220.4m-1360ke. 50 watts, Caddo Radio Club. Announcer, R. M. Dean. Irregular schedule,

### KRE

Berkeley, Calif. 256.3m-1170kc. 100 watts, First Congregational Church of Berkeley. Pacific School of Religion. Daily ex Sat. Sun. 12:30-1 pm. Sun, 11 am. Pacific. KRLD Dallas, Texas. 461.3m-650kc. 500 watts. KRLD. Inc. Announcer, Arthur W. Stowe. Slogan, "Where the Bluebonnets Grow." Daily ex Wed. Sun. 12:30-1:30 pm, 7-8:30, 9:30-10:30. Mon, 11-12 mid. Tues. 8-8:30 pm. Thurs, 8-8:30 pm. Sat, 11-12 mid. or-gan. Central. Founded Oct. 30, 1926.

KRLO Los Angeles, Calif. 215.7m-1390kc. 250 watts, Freeman Lang. Daily ex Sun. 12:30-2:30 pm. 5:30-7:30, 9-12 mid. Pacific. Founded Feb. 7, 1927. KRSC
Seattle, Wash. 211.1m-1420kc. 50 watts, Radio Sales Corp. Announcer, William J. Calsamalia. Daily ex Sun. 9-10 am. 6-7:30 pm, 9-10:30 pm. Mon, Wed. Fri. 3:30-5 pm. Pacific.

Manhattan, Kan. 333,1m-900kc, 500 watts, Kan-sas State Agricultural College, Announcer, Lisle L, Longsdorf, Dally ex Sat, Sun, 9-9:55 am, 9:55-10:30, 12:35 pm, 4:30, 6:39-8, Sat, 12:35 pm, 7:30-8:30, Central, Founded Dec. 1, 1924.

SDFA
Shreveport, I.a., 267.7m-1120kc, 1000 watts, Shreveport Broadcasting Assn. Announcer, W. G. Patter son. Daily ex Sun. 10.15 am, 1215 pm, 315, Patter skets, weather, news; Tues, Wed. Thus, Fri. 6.3 pm, 8, Mon, 11 pm, Sat. 9 pm, Sun. 11 am 7:30 pm, Central, Founded March 14, 1922. KSCJ

Sioux City, Iowa, 243.8m-1230kc, 500 watts, 1000 6 am-6 pm, Perkins Brothers Co. Announcer, C. W. Corkhill, Daily ev Sun, 9:45 am, 10:45, 12:15, stock, markets, weather; II:30-12:30 pm, news, nussic; 1:45-3:45 pm, Mon, Tues, Wed, Fri, 6 pm, Mon, Fri, II pm, organ, Mon, 10:30 pm, Wed, 9 pm, Sun, 10:30 am, 2 pm, 7:10. Central, Opened April 4, 1927. KSD St. Louis, Mo. 545.1m-550kc, 500 watts, Pulitzer Pub. Co. Announcer, W. P. Corwin, Daily ex Sun, 9:40 am, 10:40, 11:46, 12:40, 14:40, 1:44, Mon, Tues, Thurs, Fri, 7:11 pm, Wed, 6:30-11 pm, Sat, 7:11 pm, Sun, 3:45-9:15 pm, Central, Founded June 24, 1922.

KSEI Pocatello, Idaho. 333.1m-900kc, 250 watts. & Broadcasting Assn. Announcer, W. J. O'Cor Daily ex Sun. 3-4 pm, 6-8, 9-11. Sun, 9-11 Mountain. Opened Jan., 1925,

### KSL

Salt Lake City, Utah, 302.8m-990kc. 1000 warts Radio Service Corp. of Utah. Announcers, Rosen Grover, Ted Rogers, Daily ex Sun, 7-8 am. 1 11:30, 12n-1:30 pm. 4-5. Mon, Tues, Wed, 6:11:37 pm. Thurs, 6:30-11 pm. Fri. 5:30-11:30 pm. 36:30-12 mid. Sun, 11-1 pm. 1:55-3, 5-11:30. Mountain.

KOIL

### KSMR

Santa Maria, Calif. 272.6m-1100kc. 100 watts. Santa Maria Valley Railroad Company. Announcer, Syd-ney C. Peck, Daily ex Sat, Sun, 10.39-1 pm. 5-9:30 pm. Sat, 7:30 pm, markets. Pacific. Founded Dec, 3, 1925.

### KSO

Clarinda, Iowa. 227.1m-1320kc, 500 watts. Berry Seed Co. Announcer, Joe Faarsen, Slogan, "Keep Serving Others," Daily ex Sun, 6.39-9 am, 12-1 pm, nm-ke talks. Daily ex Sun, 6.39-9 am, Sun, 11-12 n, 5-6 pm. Founded Nov. 2, 1925, Central

### **KSOO**

Sioux Falls, S. D. 209,7m-1430kc. 250, 500 warts. Sioux Falls Brundeast Assu. Announcer, L. M. Aus-tin, Daily ex Sun. 7-8 am. 12-1 pm. 5-6. Central. Founded 1922.

### **KSTP**

St. Paul-Minneapolis, Minn, (fr. Wescott, Minn.) 222, Int-1350kc. 2000 watts. The National Batter) Station. Stogan, "The Call of the North." Dady & Sun. 10:30 am; 10:48, shopping news; 12, weather; 12-40, organ; 5, 5,50, 6,50, 6,55, farm flashes, 7, weather, 7-01, music, 7,31, 8, 8,50, 9, 10. San 3 pm, 4, 930. Central. Founded May, 5,24.

### KTAB

280 2m-1070kc, 500 watts, The As-

### KTAP

San Autonio, Tex. 228.9u-1310kc, 20 watts, Robert B. Bridge, Mamo Broadensting Co. Slogau, 10 Monetics 1710, granul." Daily es Sun 10 Monetics 1710, granul." Daily es Sun 10:30-8 9:30-10:30, Mon. Silent, Sun, 4-6 pm. 9:30-10:30, Central, Founded Sept. 15, 1927.

### KTBI

Los Angeles, Calif. 288,3m-1040kc. 500 watts. Bible Inst. of Los Angeles. Announcer, H. P. Herdman, Baily ev Sun, 8:48 am, 2 pm. Daily ex Sat, Sun, 7:15-9. Sun, 10-48 am, 3, 6 pm, 7:15-9;30. Pacific, Founded Sept., 1922.

land, Ore. 282,801-1060kc, 50 watts, M. E. n., Announcers, M. E. Brown, Sid Goodwin, ex. Sun, 6-7 pm, dinner program, markets, The, Thurs, Sat, 8-9 pm, Mon, 9-12 mid, 8-9;30 pm, 9-30-12, Fri, 8-10 pm, 10-12, 10:30 am, 2-4 pm, 7:30-9, Pacific, Opened 23, 1925.

### KTHS

Hot Springs National Park, Ark, 384.4m-780kc, 1600 watts. The Arlington hotel, Amounter, G. C. Arnark, S. Four to Hot Springs, "Mon. C. Lawren, Print 2-1 pm, 7,30-11, Wed, 7,30-11 pm, 84.1,12-1 pm, 630-1030 Spn, 11-12-30 pm, 7,30-1, Installed Dec. 20, 1924. Central.

### KTNT

Muscatine, lowa. 256,3m-1170kc. 2000 watts. Norman Baker. Slogan, "The Hong of the Calhophone and Voire of the lows Farm Union," Amounteer, Adam Reinemund, Daily ex Sun, 677,30 am, 9-11, 12-1 pm, 3-15, 6-9, Sun, 12-1 pm, 2:30-4. Central, Founded 1924.

### **KTSA**

onio, Tex. 265.3m-1130kc. 2000 watts. oadcasting Co.

riouston, Tex. 212.6m-1410kc. 5 watts. Uhalt Electric. Announcer, Carlos Worley. Daily ex Sun. 2-3 pm. Sat. 8-9:30 pm. Central.

Seattle, Wash, 394,5m-760kc, 1000 watts. First Presbyterian church, Announcer, J. D. Ross. Slo-gan, "Hear Ye, Hear Ye, the Gospel," Sun, 11-12:30 pm, 3-4:30, 7-9:30, church service. Pacific.

### KUJ

Seattle, Wash, 199,9m-1500kc, 10 watts, Puget Sound Radio Broadcasting Co. Mon, Wed, Fri, 6-9 pm. Sat, 6-12 mid. Pacific.

### KUOA

retteville, Ark. 296.9m-1010kc, 500 watts, Uni-rsity of Arkansas, W. S. Gregson, Daily ex m. 12-1 pm. Sun, Mon, 7-9 pm. Thurs, 7-9 pm. niral, Founded 1923.

issoula, Mont, 461.3m-650kc, 500 watts. Univer-ty of Montana. Mon, Thurs, 8-9/30 pm, Sun, 15-10:30 pm. Mountain. Founded 1924.

Vermillion, S. D. 483.6m-620kc, 250 watts. University of South Dakota, Announcer, 1-3 man Judson, "South Dakota University for South Dakotans." Mon. Fri. 6:45-7:45 pm. Wed, 9-10 pm. Central.

### **KUT**

Austin, Tex. 232,4m-1290kc, 500 watts. University of Texas, Announcer, J. G. Adams. Mon. Wed. 8 pm. Fri. 8 pm. Sun, 11 am, 7:30 pm. Founded 1925. Central.

### KVI

coma, Wash, 234.2m-1280kc, 50 watts, Puget and Radio Broadcasting Co. Daily ex Sun, 8 10 , 3-5 pm, 6-8, Sun, 11-12:30 pm, 5-5:30, 7:30-9,

### KVL

1

Seattle, Wash. 202.6m-1480kc. 100 watts. Arthur C. Dailey, Moore Hotel. Mon, Tues, Wed, Thurs. Fri, 6-10 pm. Pacific. Founded July 13, 1926.

### KVOO

Tulsa, Okla, 348.6m-860kc, 1000 watts, South-western Sales Corp. Announcer, Billy Thompson Daily ex Sun, 11 am, markets, 12-1 nm, 2-45, nm, 3-4, 6-11 nm, Sun, 8:15-12 n, 12-1 nm, 4-5, 5-6 nm, 6-9:15, Central, Opened Jan., 1900.

### **KVOS**

### KWBS

Ore. 199,9m-1500kc, 15 watts. Schaeffer

Cedar Rapids, lowa, 239.9m-1250kc, 250 watts. Announcer, H. F. Paar. Slogan, "The Voice of Cedar Remids." I July ex Sun, 6, 30 am, 11,30, 3,48 cm, 44,30, 5, 6, 9, 10. Sun, 4 pm, 9;30, Central, Founded July 29, 1923.

### KWG

Stockton, Calif. 344.6m-870kc. 50 watts. Portable Wireless Telephone Co. Announcer, George J. Turner, Slogan, "Voice of the San Joaquin Valley," Daily ex Sun, 4-5 pm, news, concert, markets, 5-6 pm, 6-7;30, 8-10, concert. Wed, Thurs, Sat, 10-1 am, dance music, Sun, 7;30-9;30 pm, service; 9:30-10;30, organ, Pacific,

Portland, Ore. 228.9m-1310kc. 50 watts. Wilbur Jerman. Slogan, "The Voice From Broadway." Daily ex. Sun. 1-6 pm. 6-8, 8-10:30, Wed, 10:30-12 pm. Pacific, Founded July 25, 1925.

### KWK

St. Louis, Mo. 234.2m-1280kc. 2000 6 am-6 pm. 1000 watts. Greater St. Louis Broadca-ting Corp. Announcer, Thomas Paririck Convey, Platis ex Sun. Thurs, 9:30 am-11 pm. skoppers chilib has-slaft, studio concert. Thurs, 9:30 am-6 pm. Sun, 11-9

### KWKC

Kansas City, Mo. 222.1m-1350kc, 100 watts, Wilson Duncan Studios, Annonneer, Elmer C. Hodges, Slogan, "Keep Watching Kansas Vity." Thes, Wed. Thurs, Pri. 7 pm. 9. Central, Founded 1925.

### **KWKH**

reveport, La. 394.5m-760kc. 1000 watts. Hen-rson from Works & Supply Co. Daily ex Sun on, 8:30-12 mid, Sun, 7:30-12 mid. Central midded Jan, 8, 1925.

### **KWLC**

Iowa, 247,8m-1210kc, 50 watts, Luthe

### KWSC

n, Wash, 394.5m-760kc, 500 watts. State of Washington, Announcer, Harvey Wixson Vol. Fri, 7:30-9 pm, music, lectures. Pacific

### **KWTC**

nta Ana, Calif. 222.1m-1350kc, 100 wafts. Di hin Wesley Hancock. Mort. Wed, 5:30-7 pn 15:30-7 pn, 8-10. Thurs, 5:30-10 pm, Fr 36-8:30 pm. Sat, 5:30-9 pm. Partic.

### **KWUC**

s. Iowa. 243.8m-1230kc. 1500 watts. West om College. Aunouncer, Rev Frolkey. Daily 9:30-11:15 am. 12:30, 4, 5, 7, Wed. Sat Central. Founded 1922. **KWWG** 

star Broadcast Co. Inc. Slogan, "Good Night" Daily ex Sun, 9:30 am, 12 n, weather, mar ews: 4 pm, markets Mon, Tues, Thurs, Fri n. Wed, 12 mid. Central.

attle, Wash, 348.6m-860kc, 500 watts, Amer i Radio Tel, Co.

### KXL

Portland, Ore. 220,4m-1360kc, 50 watts. KXI Broadcasters, Announcer, A. R. Truitt, Slogan "The Voice of Portland," Daily, 8 am-11 pm. 2 hours on Sat-Sun, 11 pm. Pacific, Founded Dec

### **KXRO**

Aberdeen, Wash. 227.1m-1320kc. 50 watts, KXRO,

### KYA

San Francisco, Calif. 309.1m-970kc. 500 watts. Pacific Brondcasting Corp. Announcer, Chester E. Boone, Baily ex Sun, 9-12 n, 5-7, 30, 8-11, Sun, 11, 50n, 7, 30 nm, service. Pacific. Founded Dec. 18,

### KYW

Chicago, ill. 526m-570kc, 2500 watts, 5000 after 10 pm, Westinghouse Elec, & Mfg, Co. Announcer, John Clark, Daily ex Sun, 6, bedfine story 6:39, linner concert; 7-9, W1Z; 9-10:30, program; 10:38, weather; 10:32, orchestra, Concress Carnival, Tues, Minner concert; 7-9, WJZ; 9-10.30, program; 10.30 weather; 10:32, orchestra, Congress Carnival, Tur-Fri, 4-5 pm. Sun, 10:50 am time; 11, service 1 pm, WJZ; 2, 4:30, 7:15, WJZ; 9:15, WJZ, Cen

### KZIB

Manila, P. I. 249.9m-1200kc, 20 watts, I. Beck. Inc., Daily, 6:30-8 pm. Wed, 7:30-10:30 pm.

### **KZM**

Oakland, Calif. 245.8m-1220kc. 100 watts. Wes ern Radio Institute (Hotel Oakland). Announce Elbert Cowan. Daily ex Sun, 6:30-7:30 pm. Su 8-10 pm. Pacific. Founded June 29, 1921.

### **KZRM**

danila, P. I. 413m-726.1kc. 1000 watts. Radio prp. of Philippines.

### NAA

Washington, D. C. 434.5m-690kc, 1000 watts. United States Navy Dept. Daily and Sun, 10:05 am, 10:05 pm, weather: 10 am, 10 pm, time. Daily ex Sun, 3:45 pm, weather. Fri, 7:45-8 pm. Eastern.

### WAAD

Cincinnati, Ohio. 230,6m-1300kc, 25 watts, Ohio Mechanics' Institute. Sat, 9:45 pm. Eastern.

### WAAF

Chicago, III. 389.4m-770kc. 500 waits. Chicago Ibaily Drawers Journal. Announcer. Carl Ulrich Daily ex Sun, 8:45 am. 10:50, II. 12:50 pm. Daily ex Sun. Sat, 4:30, live stock and weather reports. Central. Founded May 22, 19:22.

N. J. 267.7m-1120kg, 250 watts, I. R. omnany, Announcer, Jack Van Riper, Daily 7-8 am, 11-130 pm, Tues, Wed, 6-8 pm, 8-10 pm, Mon, Thurs, 10-12 mid, Sat, 2-30 pm, Experimental call 2NBA 65.18m. Founded

### WAAT

Sey City, N. J. 245.8m-1220kc, 300 watts. Bremer ondeasting Corp. Announcer, Joseph Goustin, gan "The Voice at the Gate of the Garden et laily ex Sun, 10:30 am, honsewives, 17: 6 pp., markets; 6:05, dinner music; 0:40, ather; 6:45, sports; 7, time, Mon, 8-11 pm. es, 8-9 pm., San, 9-pn., Sun, 9-10:30 am; 5:30, 6-7, 7:29, 8, Eastern, Founded Nov. 20, 1926.

### WAAW

Omaha, Neh, 440.2m:680kc, 500 watis, Omaha b'rain Exchange, Announcer, James Thompson, Slo-gan, "Plomeer Market Station of the West." Daily ex Sun, 6 am, 8, 9:30, 9:48, 10:15, 10:48, 11:15, 11:45, 12:15, 1:15, 1:35, 1:40, 2-6 pm, Founded 9:21, Central.

### WABC

Richmond Hill, N. Y. 309.1m-970kc. 2500 w Atlantic Broadcasting Corp. Daily ex Sun, 11 1250 pm, 1-2. Mon, Wed, Thurs, Fri, 7:30-11 Sun, 16,50-12;45 pm, 8-9. Eastern.

### WABF

ngston, Pa. 205.4m-1460kc. 250 watts. Markle badcasting Corp. Announcer, E. L. Jones, Slov hi, "The Voice of Woming Valley," Daily ex 10, 12-1 pm, 6-7. Sun, 10:30-12, 7:30-9, 9-10:30.

### WABI

Bangor, Me. 389,4m-770kc, 100 watts. First Universalist church. Announcer. Prof. W. J. Creamer Jr. Sun, 10:30 ani, 7:30-9 pm. Eastern. Founded

### WABW

Wooster, Ohio, 247.8m-1210kc, 50 watts, The College of Wooster, Dept. of Physics, Announcer A. W. Coven.

### WABY

Philadelphia, Pa. 247.8m-1210kc, 50 watts. John Magaldi, Jr. Slogan, "Quaker City Sleep Dodgers," Club, "The American Broadcasting Club" Sun, 9 pm, music; 10:30, "Sleep Dodgers Session." East-

### WABZ

New Orleans, La. 238m-1260kc, 50 watts. The bisseum Place Bautist chirch, Announcer, Charles B. Page, Slogan, "The Station with a Message," unit of the Station with a Message, unit of the Station with a Message, and the Station with a Message with the Station w

### WADC

Alron, Thio, 238m-1260kc, 1000 watts, Allen Theater Broadcasting Station, Announcer, George F. Houston, Budy ex Sun, 11-12 moon, 5/30-6 per Budy ex Sun, Sat, 841 pm. Sun, 10/30-11/45 pm. 12/30-130 pm, 3-5, 8-11 pm, Eastern, Founded Mar., 19/25.

tort, Mich. 230,6m-1300kc, 100 watts, Alber Parfer Co. Announcer, Owen F. Uridge, Daili Satt 6,45 pm. dinner music, 7,15, 7,30, 8 term. Founded Jan. 1925.

### WAGM

Royal Oak, Mich. 225.4m-1330kc. 50 watts. Robert L. Miller. Anniouncer, R. L. Miller. Stoam With the Big Reputation. Mon. 8-12-30 am. Wed. Fri. 8-12 mid. Founder Oct. 3, 1925. Central.

### WAIT

Taunton, Mass. 214.2m-1400kc. 10 watts. A. H. Waire & Co., Inc. Off the air until October.

### WAIU

can Insurance Union. Amounteer, Don Bernard aily ex Sun, 10:30-11 am, services 11:30-12:30 pm phy ex Sat, Sun, 3-4 pm, 6-7. Mon, Fra, 7-11 cm Verf. 0-11 pm, Scu, 2:30-5, 8:30-11. Eastern ounifed June, 1922. WAIZ

Appleton, Wis. 227.1m-1320kc, 100 watts. Irvi Zuelke, Inc. Daily ex Sun, 10-1-30 pm. Mon. 8/45 pm, band. Daily, 5-6/30 pm, dinner conce-Central

### WALK

WAPI Auburn, Ala. 340.7m-880kc, 1000 watts. Ala Polytechnic Institute. Announcer, W. A. Ye Daily ex Sun, 12-1. Tues, Thurs, Fri, 9-10 Installed 1922. Central.

WASH and Rajids, Mich. 256.3m-1170kc. 250 watts exter Lambries, Inc. Aunonneers, Harold Rose Frys, Richard Smith, Florence Baxis, Daily ex-m. 12:36-1:30 pm. 5:30 6. Thurs, 6:6:30 po-oly ex-Tiurs, Sun, 78 ion, 5 sm, 10-11:30 am, 4-1, 7-8:30. Central, Founded March 13, 1925.

### WATT

### WBAA

Lafayette, Ind. 272,6m-1100kc, 500 watts. Pur-miversity. Announcer, J. W. Stafford, Daily Sun, 11.15 am, sto-ks, markets, weather. Mon, 7 pm, special program. Central. Founded 1920. WBAK

# Harrisburg, Pa. 299.8m-1000kc, 500 watts, Penn-sylvania State Police, Announcer, A. E. Poorman, Daily ex Sun, 10:30 am, 1:30 pm, 4, 7, police report, free protection, tarm news. Eastern. Founded 1919.

WBAL ore, Md. 285.5m-1050kc, 5000 watts, Cond d Gas, Eloc, Light & Power Co, Announcer, W. Barnett, Slogan, "The Station of Good Daily ex Sun, Sat, 3, 30.5 pm, 6.11 pm, 30-11 pm, Sun, 6, 30-8, 15 pm, Eastern d Nov. 1, 1925.

### WBAO

III. 267.7m-1120kc. 100 watts. James University. University activities. Mon, pm. Central. Founded 1922. WBAP

rt Worth, Tex. 499.7m-600kc, 5000 watts. First orth Star-Telegram, Announcer, "The Hird ond," bady ex Sun, 8, 9, 00, 11, 12 m, 1 pm, 2, 3, 'Part of Missing Men," Mon, Tues, Thurs, Fri, t, 6-7 pm, 8-9, Mon, Thurs, Fri, 16-12 mid, Sun, 7 pm, 9:15-12. Central, Founded April, 1922. WBAR isiht, Wis. 270.1m-1110kc, 500 watts. Kopp adio Cu. Slogan, "The Station of Northern Wis-onsin." Mon. 9-10 pm. Wed, 8-9 pm. Thurs, 7:30-30, Sun, 10-11 pm. Central.

Nashville, Tenn. 239,9m:1250kc, 500 watts. WBAW Broadcasters. Aumouncer, Harry Stone, Daily ex Sun, 10-11:15 am, 2:39-3:30 pm, 5-8, 9-10. Tues, 11-12 mid. Sun, 9:39-10:30 am; 11-12:39 n, 7-9, Founded Feb. 24, 1924. Central.

WBAX Wilkes-Barre, Pa. 249.9in-1200kc, 100 watts, John H. Stenger, Jr. Slogan, "In Wyoming Valley, Hurs of the Anthracite," Tues, 6:30-11 pm. Thurs, 9-2 am. Sun, 5-9 pm. Eastern, Founded May,

### **WBBC**

Brooklyn, N. Y. 227.1m-1320kc, 500 watts. Brooklyn Broadcasting Corp. Announcer, John M. Hurley, Mon. 10-3 pm, 7-8, 10-12, Tucs, 9/30-12 n, 3-7/30, 10/30-12, Wed, 10-3 pm, 6-7, 10-12, Thurs, 10-12, n, 4-6, 7-10, Fri, 10-3, 6-8, 10-12, Sat, 9-10-45 am, 3/30-9 pm, Sun, 9-10 am, 3-8 pm, 10/30-12. Eastern, XYDD1

chmond, Va. 234,2m-1280kc, 100 watts. Grapo venant Presbyterian church. Announcer, W. L. erice. Tues, 8 pm. Sun, 11 am, 7:45 pm. Eastern, unded Feb, 1924. **WBBM** r. at Gleuview.) 389,4m-770kc. Investment Co. Announcer, Nate x Sun, Mon, 1-2 pm, 7-11. Mon, 10. Thurs, 11-12 mid Sat, 12-2 m. Nutty Club, Founded 1922.

**WBBP** Petroskey, Mich. 239.9m-1250kc, 100 watts. Petroskey High School, Announcer, Carl Bowman, Bully ex Sm. 12-12-15 nm. weather stocks, new Wed, 6-7 pm. popular program. Central. Founded Jan. 31, 128-1

### WBBR

Rossville, N. Y., 256,3m-1170kc, 1000 watts. Inter-lational Bible Students' Association, Mon. Tues. Phurs, Fri, 2-4 pm, 7-9. Wed, 2-4 pm, 6-7. Sun. 0-12 n, 2-4 pm, 7-9. Founded Feb., 1924. Eastern

### WBBW

Norfolk, Va. 236.1m-1270kc. 100 watts. Ruffnet Junior High School. Announcer, Lee M. Klinefelber, Slogan. "The School Voi'd Like to Go To." Mon., 8 pm. Fri, 8-9;30 pm. Eastern. Founded ni. 934,

### WBBY Tharleston, S. C. 249.9m-1200kc, 75 watts. Washington Light Infantry. Slogan, "Seaport of the Southeast" Sun. 10-11 pm,

**WBBZ** Chicago, Ill. 204m-1470ke, 100 watts. C. L. Car-rell.

### **WBCN**

Chicago, III. 288.3m-1040kc, 250 watts. Great Lakes Broadcasting Co. Daily ex Sun, Mon, II am, More Peterson; 1-2 pm, 5-6, 7-8. Mon, 1-2 pm, 5-6, 7-8. Sun, 10:30 am, church; 4-6 pm, 7:30-9:30.

### WBES

Takoma Park, Md. 265,3m-1130kc. 100 watts. Bliss Elec. School. Amouncer, Wm. M. Johnson, Jr. Fri, 6-7 pm. Eastern. Dpened Jan., 1923.

### **WBET**

Medford, Mass. 288.3m-1040kc, 500 watts. Boston Transcript Co. Announcers, Gerard H. Slattery. Wayne H. Latham, Richard D. Grant. Slogan, "The Boston Evening Transcript—New England's Leading Family Daily." Daily 6:30-11 pm. Eastern. Upsted Feb. 28, 1927.

### WBIS

noston, Mass. 461.3m-650kc. 500 watts. Boston normation Service. Announcer, Nancy Howe. Daily Sun. 8-9.60 am. 2-4 pm. Eastern. Founded Jan.

### WBKN

Brooklyn, N. Y. 199.9m-1500kc, 100 watts, Arthur Faske, Amounter, L. W. Berne, Dally Sun, 12-2 pm, 3-5, Mont, Fri, 8-10 pm, Tues, 10-12 mid. Wed, 17 nml, Thurs, 6-8 pm, Sat, 6-8, Eastern, Foundel Nov. 22, 1925.

### WBMH

h. 211,1m-1420kc, 100 watts. Braun's WBMS Union City, N. J. 199.9m.1500kc, 100 watts, WBMS Breadcasting Corp. Slogan, "The Voice of Union City Baily ex Sun, 121 um. 5-530, 8-12 mid. Sun, 3-6 pn, 8-12 mid. Daily ex Sun, 8:30-12 mid. Sun, 1-3 un, 7:30-11. Eastern.

New York, N. Y. 236,1m-1270kc, 500 watts. Bary-chrome Corj. Daily ex Nat. 6-12 mid. Sun, 2:30 pm, 6. Founded 1925. Eastern.

WBOQ Richmond Hill, N. Y. 309,1m-970kc, 500 watts. Atlantic Broadcasting Co. Tues, 7:30-12 mid. East-

## **WBRC**

imingham, Ala. 241.8m-1240kc, 250 watts, Bir-ingham Broadcasting Co. Announcer, Dud Con-ully, Stogan, 'The Higgest Little Station in Con-civil.' Bully ex Sat. Sun, 1-2 pm. Mon. Tues, led, Fri. 8-10 pm. Sun, 10-45 am, service; 7:30, ervice, Central, Founded May 18, 1925. WBRE Vilkes-Barre, Pa. 249,9m-1200kc, 100 watts, Lib-ity State Bank and Trust Co. Announcer, Louis C. Baltimere, Mon. Fri. 12:30-125 pm, 6:30-12, yed, 12:30-125 pm, 6:30-13. Sun. 9-12 mid.

Radio Laboratories, Tues, Thurs, Sat, 8 pm, Wed, 8:30 pm, Sun, 10:30 am, 7 pm, services. Eastern.

### **WBRS**

211.1m-1420kc, 100 watts, North galeasting Corp. Announcer, M. E. y ex Sun, 1-2 jun. Mon, Wed, 10-11 Eastern, **WBSO** Balson Park, Mass. 384.4m-780kc, 100 watts, Babson's Statistical organization, Aunouncer, Mar-shall McCarroll, Daily ex Sun, 4-5 pm, 12-1 am, Eastern, Founded Jan., 1927.

## WBT

Charlotte, N. C. 258.5m-1160kc, 750 1000 walts, 7 am-7 pm, C. C. Coddington, Inc. Aunouncer, H. W. Burwell, Daily ex Sun, 12:30 pm, Mon, 2:20 pm, 6:30, WEAF; 8, Tues, 3:50 pm, baseball, WeAf, 3:50 pm, baseball, Thurs, 3:50 pm, 8:830, FeI, 3:50 pm, baseball, Pat, 2:20 pm, Sun, 10:55 am, service; 8 pm, service; 6:20, WRC, Eastern.

Springfield, Mass. 333.1m-900kc. 15000 watts. Westinghouse Elec. & Mig. Co. Amuuncer. Aidan Redmond, Daily ex Sun, 10:30 am, organ; 10:45, household hints; 11:20, weather; 6:27 pm, haseball; 0. organ; 6:30-10:30, 10:30, haseball, weather; 745, musif; 10:50, weather. Installed Sept. 19, 1921. Eastern. **WBZA** 

# Hoston, Mass. 333.1m-900kc, 500 watts. Westing-house Elec. & Mig. Co. Same programs as WBZ.

WCAC Mansfield, Conu. 535.4m-560kc. 500 watts. Conecticut Agricultural College. Announcer, Daniel Noble. Stogan, "From the Nutney State." Mo. Wed. 7-7;30 pm. Sat. 7-8 pm. Eastern. Foundations. 1973.

# WCAD

Canton, N. V. 243.8m-1230kc, 500-1000 watts, St. Lawrence University, Announcer, Ward C. Prierk Slogan, 'The Voice of the North Country,' Daily, 12.30 pm, weather, reports, talks, must, time, Wed. 4:30-6 pm, Eastern, Founded Dec. 7, 1922. WCAE

# Pittsburg, Pa. 46. 3m-650kc, 500 warts. Pittsburgh Press, Daily ex Sun. 6:45-8 am, exercises; 3:15, 9:15, 10:15, 12:15, 2:15 pm, 5:15; 1:30, 3:40 mm, news; 2:30 pm, organ; b, dinner music; 7, pon-plar music; 5:30, 7:30, Unite Kay Bee; 8-10. Sun, pm, 7:15-10, WEAF, Easteu. WCAH

us, Ohio, 234.2m-1280kc, 250 watts. Entre-eric Co. Daily ex Sun, 12-1 pm. Mon. Wed. dly ex Sun, 531, 6-10,30 pm. Sat, 6-12 mid. Founded April, 1921.

# WCAJ

University Place, Nebr. 379,5m-790kc, 500 watts, Nebraska Weslevan University, Ambouncer, I. C. Jensen, Daily, 10 am, convocation exercises, 5 pm, weather, news, Tues, Fri, 12 n, organ, Sun, Jun, Squites) 4 pm, vesper, Finnded Oct., 1920. WCAL Northfield, Minn. 285.5m.1050kc. 500 watts. Dev. of Physics, St. Olaf College. Announcer, Hector Skifter. Slogan, "The College on the Hill: Dally ex Sun, Thurs, 9:45 am, Mon, 7 pm; 8:15. Sun, 8:30-9:30 am; 3-4 pm. Central. Founded, 1922.

Camden, N. J. 223.7m-1340kc. 500 watts City of Camden. Announcer, Harry E. Ehrhart, Mon. Wod. Fri, 7:30-10:30 pm. Eastern. Founded Oct. **WCAO** nore, Md. 243.8m-1230kc, 250 watts, Monu-ol Radio, Inc. Announces, Wm. L. Atkinson, Wed, Fri, 6-11 pm. Thurs, 8-11 pm. Sun, 11 service; 3-5, 7-45 pm. service; 9-41, Columbia, Eastern, Founded May 17, 1922.

### WCAP

Ashury Park, N. J. 239.9m-1250kc, 500 watts, Chamber of Caumerce, Announcer, Thomas F. Burley, Jr. Mon, Tues, Thirs, Sat, Sun, 10-12 mid. Eastern, Founded July 1, 1927.

### WCAT

Rapid City. S. D. 247.8m-1210kc. 100 watts. South Dakota State School of Mines. Announcer, J. O Kannuerman. Daily ex Sun, 9:30 am, 12:30 pm weather, reports. Thurs. 7:30 pm, concert. Moun-tain, Founded 1920.

### WCAU

Philadelphia, Pa. 260.7m-1150kc. 500 watts. Universal Broadcasting Co. Aunouncer, Stan Lee Broza. Stogan, "Where Cheer Awaits U." Mon, 5:30-130 pm. Thes, 5-11:30 pm. Wed, 5:30-12 mid. Thurs, 5:30-12 mid. Fri. 5:30-11 pm. Sat. 6:30-11. Sungall pm. Eastern, Founded May, 1922

### WCAX

Purlington, Vt. 254.1m-1180kc. 100 watts. University of Vermont. Slogan, "The Voice of the Green Mountains." Fri, 7-8 pm. Eastetn.

### WCAZ

Carthage, III. 249,9m-1200kc, 50 watts. Carthage College. Announcer, Raymond Derks. Daily ex Sat, Sun, 11:40-12:15 pm. Alon, 7-8 pm. + entral.

### WCBA

Allentown, Pa 222.1m-1350kc, 100 watts. Que City Radio station. Wed, 8:15-11 pm. Fri, 7:3 10:30 pm. Sat, 10-11 pm, dance music. Sun, 10 at 5:30 pm. 7, church service. Eastern.

### WCBD

Zion, Ili, 344.6m-870kc, 5000 watts, Wilbur Glenn Voliva, Announcer, J. H. BePew, Shagatt, 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. Founded May, 1933, Central.

New Orleans, La. 227.1m-1320kc. 5 watts. Uhalt Brothers Radio Co. Announcer, Joe Uhalt. Slogan, "Second Port U. S. A." Daily ex Sun. 11:30-12:30 pm. Daily. 7:30-8:30 pm, dance. Sun. 12:30-3 pm, dinner concert; 9, dance music. Central

### WCBM

Baltimore, Md. 225.4m-1330kc. 100 watts. Charles Schwarz. Announcer, Harry J. Dobe. Mon. Wed, Fri. 12-1:30 pm. 6-10. Tues, Thurs, Sai. 6-11:33 pm. Sun. 6-8 pm. Eastern. Founded March 25.

### WCBR

Providence, R. 1, 201,2m-1490kc, 100 watts. Charles H. Messter. (Portable.)

Springfield, III. 209.7m-1430kc. 250 watts. Harold L. Dewing, Charles H. Messter. Slogan, "Home of Abraham Lincoln. Mon. 9-11 pm. Tnes. Wed. Thurs, Fri, 8:30-10:30 pm. Sun, 10:45-12 n. 12:30-2 pm. 6-7, 7:30-8. Central. Founded April 8, 1923.

### WCCO

Minneaplis-St. Paul. Minn. (Tr. at Anoka.)

405.2m-740kc, 7500, 6 am-6 pm. 5000 watts. Washhurn-Crosby Co. Announcer, L. J. Sermour. Slogan.

Service to the Northwest. Daily ex Sun, 9:30 am.
program for day 105. [1, 30, markets.] 2.30 am.
program for day 105. [1, 30, markets.] 12, music,

130, weather, markets: 3, markets.; 12, music,

130, weather, markets: 3, markets; 4:45, readers

cluth; 5:15, children's hour; 5:45, livestock, Mon,

6:30 pm, dinner music; 7:30, orchestra; 8:30, WEAF;

9:30, program; 10, weather. Thes, 6, 7, 8 bm, New

York; 9:30, musicale; 10, weather. Wed, 6 pm; 7:30,

WEAF; 10, weather, grain; 10:30, dance; 11:30,

organ. Thurs, 7 pm, WEAF; 10, weather markets.

Fri. 7, WEAF; 8, WEAF; 9:30, music; 10, weather,

10:5, music, Sat, 6:15 pm, music; 7, WEAF; 10,

weather, dance program. Founded (kct. 1, 1924.

New York, N. Y. (tr. at Cliffside Park, N. J.). 211, Jm-1420kc. 250 warts. Italian Educational Broad-

### WCFL

Chicago, III. 483.6m-620kc, 1500 watts, Chicago Federation of Labor. Announcer, Maurice Wetzel. Signan, "The Voice of Labor." Daily ex Sun. 10-2 pm, 4-12 mid. Sun, 11-1 pm, 2:30-6:30, 7:30-9:30,

Coney Island, N. Y. 218.8m-1370kc, 500 watts. Charles G. Unger, Daily ex Sun, 1 pm, Wed. Fri. 8 pm. Sun, 11 am. Eastern.

### WCLO

Kenosha, Wis. 227.1m-1320kc. 100 watts, C. F. Whitmore. Announcer. Glenn G. Balcom. Daily ex Tues. Thurs, 11:30 am, 2:30-5:30, 7-12 mid. Founded Aug. 4, 125. Central.

### WCLS

Joliet, 111. 215.7m-1390kc. 150 watts. M. A. Fel-man Co. Slogan, "Will County's Largest Store. Wed. Fri. 7-11 pm. Tues, 8-11 pm. Sat. Sun. 9-11:30 pm. Sam. 9-30-12-30 tan. Weil, Sat. 11-11:30 am. Central. Founded June 1925.

Culver, Ind. 260.7m-1150kc. 560 waits. Culver Military Academy. Announcer, C. F. McKinney, Daily ex Sun, 3-4 pm, public service hour. Mon, 8-10:30 pm, Wed, 8-10:30 pm, Fri, 8-10:30 pm, Sun, 1-12:30 pm, chapel service. Founded 1925. Central.

### WCOA

Pensacola, Fla. 249.9m-1200kc. 500 watts. Municipal Broadcasting Station, Announcer, John E, Frenkel. Slogan, "Wonderful City of Advantages," Italiy ex Sun, 10:30 am, 12:30 pm, Mon. Wed. Fri, 8 pm, Mon. Wed. Fri, 10:30-12:30 pm, 8-11, Sun, 12:30 pm, 7:25, Central, Founded Feb. 2, 1926.

### WCOC

Columbus, Miss. 230.6m-)300kc. 250 watts. Crystal Od Co. Announcer, T. C. Billings Daily 5-6 pm Tues, Fri, 8-10 pm. Central. Founded Feb. 26, 1927

I. 225,4m-1330kc, 100 watts. Jacob icer, Lewis S. Bellem, Jr. Daily and n. Daily ex Sun. 8-10 pm. Eastern.

### WCRW

Chicago, III, 223.7m-1340kc. 500 watts. Clinton R. White. Announcers. C. R. White, Charles P. Hughes. Miss. Josephine. Slogan, For Your En-tertainment. Daily ex Sun. 11:30-1 pm. Daily ex Mont. 5-7:30 pm., 9:30-10-30. Central. Founded May.

Portland, Me 11 Cumberland, new wave to be 214.2m-1400ke). 365.6m-820kc. 500 watts. Congress Square hotel. Announcers. L. T. Pitman. II. C. Wing. Daily ex Sun. 10 am, housewives hour; 11. WEAF; 12. n. stocks, weather: 12:10. news; 3, music hour; 4, news; 6, stocks; 7:45, news. Mon. 8:30 pm, WEAF; 9:30, WEAF; 10:30, 11. Tues. 8:30 pm, 10:11 Wed, 7:30 pm, 9:30, 10:30. Thurs. 7:30 pm, Fir, 8:30, 9, 9:30. Sat, 8 pm. Sun, 10:3, am, 1:30 pm, 4, 7:30. Eastern. Founded June, 1925.

Springfield, Ohio. 256.3m-1170kc. 500 watts. Wit-tenberg College. Announcer. C. Parker Libby, Mon. Wed, Fri, 7-9 pm. Tues, 11-12 n, 6:30-7:30 pm. Thurs, 8-9 pm. Fri. 4-5 pm. Sat. 2-4:30 pm. Fastern. Founded Dec. 1921.

### WCWK

Fort Wayne, Ind. 214.2m-1400kc, 250 watts. Chester W. Keen, Slogan, "The Home Sweet Home Station, Fri. 7-8 pm. Sat. 8-10 pm. Sun. 11-12 ts. 5-5:30 pm, 5:30-6:30, 6:30-7:30 pm. Founded, 1924. Central.

### **WCWS**

Danbury, Conn. 265.3m-1130kc. 100 watts. Dathury Broadcasting Station. Founded Aug. 2, 1926

Detroit Mich. 440.9m-680kc. 5000 watts. The letroit Free Press. Announcer, C. D. Tomy. Club "Red Apple Club." Daily ex Sun, 4 pm, music 4:15, news. markets, weather; 5:30, Skeezik time Eves. blue chates tues. 10-2 am, club. Eastern Funnted May 19:2.

### WDAE

Tampa, Fla. 267.7m-1120kc, 500 watts, Tampa Daily Times, Announcer, Bruce Lum. Daily ex Sun, 1155-1 pm, 3:30-4:30, 6:20-11, Sun, 10:40-12:30 pm, 7:30-9, Eastern, Founded 1921.

### WDAF

### WDAG

Amarillo, Tex. 263m-1140kc. 250 watts. J. Laurence Martin, Daily ex Sun, Fri, 12:45-1:45 pm. markets, farm; 9-10:30 pm. music. Fri. 8-10 pm. Sun, 9:45-10:45 am, 7:30-9:30 pm. Central. Founded May 16, 1922.

El Paso, Tex. 234.2m-1280kc. 100 watts. Tr Methodist church. Announcer, Louis Gem Wed, 7:30-8:30 pm. Sun, 9:30-12 n, 7:30-9 Founded Spring 1924. Mountain.

### WDAY

Fargo, N. D. 545.1m-550kc. 250 watts. 500 watts for adio Equipment Corporation. Announcer. Kenneth M. Hance. Daily ex Sun. 7-9 ann music; 7:30, news; 10, weather, markets; 10:15 music; 5:50 news; 6:7:30, entertainment. Mon. Markets; 11:455 music; 2: markets; 3-4 music; 5:50 news; 6:7:30, entertainment. Mon. Markets; 11:455 music; 5:50 news; 6:7:30, entertainment. Central. Founded May. 1922.

### WDBJ

Roanoke, Va. 230.6m-1300kc, 250 watts. Richardson Wayland Elec, Corp. Announcers, J. W. Johnson, Harnid Gray. Slogran, "Roanoke Down in Old Virginia." Daily ex Sun, 12-1 nm, music; 5:30-6:45, music, news, weather. Mon, 8-9 pm. Wed. Sat. 9 pm. concert. Sun, 7:45 pm. church. Eastern. Founded May, 1924.

### WDBO

Orlando, Fla. 288.3m-1040kc. 500-1000 watts 6 am-6 pm. 500 watts. Orlando Broadcasting Co. An-nouncer, Harold Danforth. Slogan, "Down Where the Oranges Grow." Mon. 7:15 bm-2 am. Tues. 8:30-11 pm. Thirs, 9:51-11:30 pm. Fri. 7:30-9 pm. Sat. 9:11 pm. Sun. 10:45 am. 2:30 pm. 4. 7:30. Founded 1921. Eastern.

### WDEL

Wilmington, Del. 296.9m-1010kc. 100 watts. Wilmington Elec. Spec. Co. Announcer. Willard S. Wilson, Slogan. The First Broadcasting Station of the First City of the First State. Thus, Thurs. Sat. 24.11 pn. Sun. 10-12 mld. Eastern. Founder.

### ŴĎĠY

Minneapolis, Minn. 285.5m-1050kc, 500 watts, Dr. George Young, Daily 3-5 pm, Mon, Wed, Fri, 7-8 pm, 10-12 mid, Tues, Thurs, 7-12 mid, Sat, 12-2 am, Sun, 2-6 pm, Central, Founded 1923.

### WDOD

Chattanooga, Tenn. 243.8m-1230kc. 500 watts. Chattanooga Radio Co., Inc. Announcer, Frank Chattanooga Radio Co., Inc. Announcer, Frank Chattanooga Radio Co., Inc. Chattanooga Radio Co., Inc. Chattanooga Radio Co., Inc. Chattanooga Radio Rad

### WDRC

New Haven, Conn. 282.8m-1066kc, 500 watts. Deolittle Radio Corp. Announcer, F. M. Doolittle. Daily ex Sat. Sun, 9:30-12 n, 5-10 pm. Sun, 11 am, 3:30-5 pm., 7-8. Eastern. Founded Dec., 1922.

('ranston, R. 1. 260.7m-1150kc. 250 watts. Dutee W. Flint, Inc. Slogan, "Quality First." Eastern.

### WDZ

Tuscola, 111. 277.6m-1080kc. 100 watts. James L. Bush. Announcer, G. R. Muir. Daily ex Sun, 9 am, 9:30, 10, 10:30, 11, 11:30, 12 n, 12:30, 1, 1:15. 1:30, 2:45, grain, markets, livestock, markets. Central. Founded Mar. 1921.

New York, N. Y. (tr. at Bellmore). 491.5m-610kc. 50,000 watts, National Broadcasting Co., Inc. Slogan, 'The Voice to the Millions,' Daily ex Sun, 6:45-8 am, 6:845, Il am-12 mid, Sun, 12n-10:30 pm. Eastern, Founded July 25, 1922.

North Plainfield, N. J. 263m-1140kc. 250 watts Borough of North Plainfield, Announcer, H. W. Illackford, Stogan, "America's Floneer Municipal Broadcasting Station." Fri. 8-12 pm, concert, talks. Sun, 11-2 moon. Eastern

### WEAN

Providence, R. 1. 275.1m-1090ke, 500 watts, The Shepard Stores. Announcer Chester H. Miller. Slogan. We Entertain a Nation. Baily ex 12-1 pm. 4-5 music. eports: weather. concert; 6:30-10:30 Sum, 10:45-11:30 am, 7:30-8:45 pm. 9-11, church service. Eastern. Founded 1922.

Columbus, Ohio. 282,8-1060kc. 750 watts, Ohio State University. Amnouncer, Robert Coleman Daily ex Sun, 9:45 am, 11, 12;30 pm, 4. Mon, Wed. Fri, 10 am, Tues, 7 pm, Wed, 7-8:30 pm; Thurs, 7-10;30 pm, Lastern, Founded 1912.

thio. 399.8m-750kc. 1000 watts. Wil-Bartery Co. Indily ex Sun. 12:30-1:30 n. 11-12:30 pm. Sun. 3-4 pm. Eastern. 15, 1926. Cleveland, Ohio. lard Storage Bat pm. 2-3, Sun, 11

### Opened Jan, WEBC

Superior, Wis., Duluth, Minn. 241.8m-1240kc, 25 watts. Head-of-the-Lakes Radio Station, Daily e Sun, 1:15 pm. 5, markets; 6, orehestra. Mon. 8 pn music. Wed, 8:30 pm. Fri, 9 pm. Sun, 10:40 an services.

### WEBE

Cambridge, Ohio. 247.8m-1210kc, 10 watts. Roy W. Waller, Fri. 7:45-9:45 pm. Sun, 10:30-11:45 ani, 7-8:30 pm. 1st and 3rd Sun, 2:30-3:30 pm.

### WEBH

Chicago, Ill. 365.6m-820 kc. 500 watts. Edgewater Beach Hotel-Herald-Examiner. Announcer, Robert Boniel. Stogan. The Voice of the Great Lakes." Daily ex Sun, 10-12 n., 3-4 pm, music; 5-5:45. Children's club. Daily ex Sun, Mon, 7-8 pm, dinner concert. Tues. 9-11 pm, Uptown theater. Wed. 9-11 pm, musicale; 12-1 am, revue. Thurs. 9-11 pm, nusicale; 17-1 pm, Sat, 10-12 mid. Sun, 7-9 pm, organ; 7-9, orchestra. Central. Founded May 4.

### WEBJ

New York, N. Y. 256,3m-1170kc. 500 watts. Third Avenue Railway Co. Announcer, H. A. Bruno. Slo-gan, "The Red Trolley Station." Wed. 7-11 pm. Fri, 9-11 pm. Eastern.

### WEBQ

Harrisburg, III. 223.7m-1340kc. 15 watts. Tate Radio Co. Announcer. Dr. H. J. Raley. Slogan. "The Voice from Egypt." Dally ex Sun, 7:15-7:45 pm. Mon. Thurs. 7:30-9:30 pm. Sun, 11.42 n. 2-4 pm. 7-28. Central. Founded Sept. 1, 1923.

### WERR

Buffalo, N. Y. 241.8m-1240kc. 200 watts. H. H. Howell. Announcer. Glenn Pickett. Slogan. "W. Extend Buffalo's Regards." Daily ex Sun. 758.30 pm. Mon. Wed. Fri. 8-30-11:30 pm Sat. 9-1. pm. Sun. 12 n. concert: 8-9 pm. church; 10:15-12 mid. organ. Eastern. Opened Oct. 8, 1924.

mid. organ, Eastern. Opened Oct. 8, 1924.

WEBW

Beloit. Wis. 258.5m-1160kc. 500 watts. B
College. Announcer, Arthur Weimer, Sun. 4:30

Central, Founded Oct. 26, 1924.

WEDC

Chicago, Ill. 241.8m-1240kc. 500 watts. Emil Denemark. Broad. Station. Daily, 6-7;30, 9:30-11;30. Plaily ex Sun. 6:30-7;30 pm, Jewish hour. Fri. 6:30-7;30 pm, Buhemian hour. Central.

MELI
Boston, Mass, 508.2m.590kc, 500 waits, Edison Electric Illuminating Company, Announcers, Robert Burtlen, Carlion H. Dickerman, Walter Myers, William Felton, Stokan, "The Friendly Voice," Daily ex Sun, 6:45-8 am, evercises; 8-8.45 musicale; 10-11:15 home service features, 11:15-12 Friendly Maids; 12:45-1 market and garden reports; 2-5 varied musical: 3:20-6:45-8 verice features and music 6:45-7:30 Big From F. Chill, 7:36-11 Boal, and New York features and Feature Chill, 7:36-11 Boal, and New York features 12:15-12:15 symphony; 1-4 concert, 4-5:30 Fr. Cadman; 5:30 musical; 6:30 Band; 7:20 news; 7:30 Symphony concert; 9:15 Atwater-Kutt. Eastern. Founded Sept. 29, 1924, succeeding WTAT.

Evanston, III, 215.7m-1390kc, 100 watts. Victor C. Carlson, Daily ex Sun, 4:45 pm, 5:45, 6:15, 6:30, 7:30. Central. Founded Feb., 1924.

Berrien Springs, Mich 483.6m-620kc, 1000 watts, Emanuel Missionary College, Annonner, Wm. A. Wentworth, Sogan, "The Radio Lighthniase," Daily ex Sat, Sun, 7:30-9 am. 10:10, 6:45-7:45 pm. Tues, Thirg, 3-4 pm. Sun, 9 am. Central, Founded April

# Thurs. 3-4 p 1, 1923. WENR

Chicago, 111. 288,3m-1040kc, 500 watts, Gi Lakes Radio Ilroadcasting Co. Slogan, "The V. of Service." Daily ex Sun, Mon, 11:30 and V. l'eterson, 12-1 bn, concert; 2-5, popular require, 6-7, dinner concert; 8-9,30, classical; 9:30-12 n Mon, 12-1 pn, 2-5, 6-7, 8-9:30 pn, 9:30-12 mid. S 2-4 pn, 6-7, 9:30-11. Central.

### WEPS

Gloucester, Mass. 296,9m-1010kc, 100 watts. Matheson Radio Co., Inc.

### WEVD

Woodhaven, N. Y. 245,8m-1220kc. 500 watt Debs Menorial Radio Fund, Daily ex Sun, Sa 1-6 pin, Tues, Thirs, 9-12 mid, Sat, 7-9-30 pi Sun, 12-30-4 pm. Eastern. Founded Oct, 1, 1927.

St. Louis, Mo. 352.7m-850kc. 1000 watts. St. Louis University. Aunouncer, C. G. Dahm. Daily ex Sun. 9 am. 10, 2. reports. Tues. Thurs. 5 millectures, nusic. Ned. Fri. 5, U. S. farm school. Sun. 9:35 am. 11, 2 pm. 5. Founded April 26, 1921. Central,

### WFAA

Dallas, Tex. 545.1m-550kc, 500 watts. Dallas Neward Dallas Journal, Adams Colboun, Slogan, "Working for All Allike," Dally, 6:300-730 am exercises; 7:30, 8:30, 9:30, 10:30, 11:30, reports music; 12:30, 1:30, 2:30, 3:30, 4:30, 5:30, reports news; 7-8, music, Mon. Tues, Wed. Thurs. Fri. Sat 9-10 pm. Tues, Sat, 10:12 mid, Sun, 1:45 pm. 6-7, 8-9, 11:12. Founded June 26, 1922. Central.

### WFAM

St. Cloud, Minn. 252m-1190kc, 10 watts, St. Cloud Daily Times. ()ff the air temporarily,

Philadelphia, Pa. 223.7m-1340kc, 500 watts. Keystone Broadcasting Co. Hotel Lorraine. Mon, 5-6, pm. Tues, Thurs, 5:30-1 am, Wed, 5-6 pm. Fri. 5-6 pm. Sat. 6-7:30 pm. Sun, 11 am-4:30 pm. S11. Eastern.

Knoxville, Tenn. 234.2m-1280kc. 50 watts. First Baptist church. Announcer. St. John Reynolds. Sun. 10:45 am; 7:30 pm, services; 4 pm, sacred music. Central. Founded 1925.

Cincinnati, O. 245.8m-1220kc, 250 watts. Hotel Park Announcer Clark Waskom. Daily ex Sun, 12-1 pm Mon. 530 bm. 9, 11, 12:30, Tues, 5:30 bm. 8:30, 9 12:30, Wed. 6-8:30 pm, 9, 10, 11, 12:30, Thurs, 6 pm, 8, 10, 10:30, 11, 12:30, Frit, 5:30 pm, 6:30, 5:30 3-4 pm, 6-8, 9-10, 11, 2:30, Sun, 1-2 pm, 6:30-7:33 pm, 11, 12:30. Central

### WFBG

Itoma, Pa. 267.7m-1120kc. 100 watts. The Win. Gable Co. Announcer. Roy F. Thompson. Slo-in, The Original Gateway to the West. Daily Sun, Mon. 11:45 am: 12 n, 3 pm, 6:30, 2:30. 8, 30, 10. Sun, 10:45 ani. 3:30 pm, 7:30. Eastern. In the Company of t gan, "1: ex Sun, 30, 10.

# WFBJ

Collegeville, Minn. 272.6m-1100kc. 100 watts. St. John's university. Announcer, Hilary Doerfier. Slogan, "In the Heart of the Landscape Paradise." Wed. 8-9-30 pm. Fri, 4-5 pm. Central. Founded WFBL

NY LOGARITHM STREET, NY STREET, N WFBM Indianapolis, Ind. 275.1m-1090kc, 1000 watts, Indianapolis Power and Light contiany. Announcer, Bailey Fesler, Slogan, "The Crossroads of America," Mon. Tues, Wed, Thurs, Fri, 12 n.-12 mid. Sun, 9:30 am. 8 lm, Central.

WFBR , Md. 243.8m-1230kc. 250-500 watts, idio Show, Inc. Founded Oct. 1, 1924.

### WFBZ

Galesburg, III. 247.8m-1210kc. 50 watts. Knox college. Announcer, George B. Strain. Slogan, "At Old Siwash," Wed, 8-10 pm. Central. Pawtucket, R. I. 241.8m-1240kc. 100 watts, Frank Crook, Inc. Announcer, H. E. Stafford XYZ. Slogan. "The City of Diversified Industries." Mon. Wed. Fri. 8-11 pm. Eastern. Opened Jan. 1924. Reopened

ŴĨŦĎĨŦ Fiint, Mich. 272.6m-1100kc. 100 watts. Frank D. Fallain. Slogan. "The Motor City." Mon, Wed. Fri. 8-11 pm. Eastern. Founded May 25, 1922.

Philadelphia, Pa. 405.2m-740ke, 500 watts, Straw-bring et al. (1997) and the property of the

### WFIW

Hopkinsville, Ky. 260.7:n-1150kc. 750-1000 watts. Acme Mills, Inc. Announcer. Hai Filer. Mon. Sat. 8-11 pm. Wed, 8-11 pm. Fri, 8-11 pm. Sun. 9:30-10:30 am. 9-10 pm. Daily ex Sun. 12-1 n, 3-4 pm. 6-7. Central. Founded Feb. 12. 1927.

### **WFJC**

Akron. Ohio. 227.1m-1320kc. 500 watts. W. F. Jones Broadcasting. Inc. Mon. Wed. Fri. 7-9:30 pm. Thurs. Sat. 10:30-11:30 pm. Sun. 9:39-10:30 pm. Eastern.

### WFKB

Chicago, III. 223.7m-1340kc, 500 watts. Francis K. Bridgman, Founded April 22, 1925.

### WFKD

Philadelphia, Pa. 247.8m-1210kc. 50 watts. Foulk-rod Radio Eng. Co. Mon. Thurs. 8-11 pm. Eastern. WFLA

Clearwater, Fla. 516.9m-580kc, 750 watts, Chamber of Commerce. Announcer, Walter Tison. Daily ex Sun. 7:45-12 mid. Founded Dec. 25, 1925. Eastern. WGAL

Lancaster, Pa. 252m-1190kc. 15 watts. Lancaster Elec. Supply & Construction Co. Aumonucers, J. E. Mathiot, Luther Mathiot. Slogan, "World's Gar-dens at Lancaster." Daily ex Sun, 9-9:15 am. 12-12-15 pm., 5:30-5:45. Tues. Phurs. Sat. 7-10:30 pm. Sun, 11 am. Eastern. WGBB Freeport, N. Y. 245.8m-1220kc. 400 watts. Harry H. Carman. Mon. 7-8 pm. Wed. Fri. 7-11 pm. Sun. 10:40-12:30 pm. 4-5:30. Eastern. Founded Dec. 13, 1924.

WGRC Memphis, Tenn. 228.9m-1310kc. 15 watts. First Baptist church. Announcer, A. L. Cowles. Sun. 9:30 am. 7:30 pm. Central. Opened 1925.

### WGBF

Evansville, Ind. 236.1m-1270kc. 250 watts. The Finke Furniture Co. Announcers. Harold Finke. H. L. Thompson. Slogan. "The Gateway to the South." Daily ex Sun, 7:15 am. 12:10 pm. markets: 12:15. weather: 12:20, farm talk: 12:30, must wather: 12:20, farm talk: 12:30, must wather: 12:30, farm talk: 12:30, must weather: 12:30, farm talk: 12:30,

### WGBI

Scranton, Pa. 230.6m-1300kc. 250 watts. Scranton Ilroadcasters. Inc. Daily ex Sun, 10-12:30 pm, 6 pm. Sun, 7-10 pm. Eastern. **WGBS** 

WGCP

Newark, N. J. 267.7m-1120kc. 500 watts. Pa mount Broadcasting & Artists Service. Inc. 21 nouncers. Bradford Browne. Ivring Porter, Daily Sun 3:30-6 pm. Sat, 9-11 am. Mon thru Fri, 6-8 t Tues, Sat, 10-12 mid. Wed, Thurs, 8-10 pm. S 12 n-3:30 pm. Eastern. Founded Mar, 1922. WGES Chicago III. 241.8m-1240kc. 500 watts. Guyons Paradise Ballroom. Announcer. B. K. Pratt. Tues. Thurs. Sat, 6-7:15 pm, 3-1. Wed. Fri. 6-7:15, pm, 10-1. Sun. 10:15-11:30 am. 11:40-1 pm, 2:30-4. 6-7:15, 8-1. Founded Aux. 1920. Central.

### WGHP

Lemens, Mich. 277 fpm. 1080kc. 750 watts, George Milarrium Phelbas, Inc. Ammonucer, Forjer W. Kirliy, Daily ex Sun, San, 1.15-3 pm, 6-7:15 Mon, Wed, 9-11 bm. Tues, Thurs, 8-10 pm. Fri, 8-11 pm. Sun, 10-30-12:15 pm, 2:30-5 pm, 9-11. Eastern. Founded Oct. 10. 1923 WGL

New York, N. Y. 293.9m-1020kc. 500 watts. 1000 watts. 7 am-1 pm. International Broadcasting Corp. Daily ex Sun, 10-12-0, 2-4 pm. 6. Mon. Wed. Fri. 9-12 mid. Tues. Thurs. Sat. 6-9 pm. Sup. 7-12 mid. Eastern. Founded Jan. 30, 1927. WGM Jeannette, Pa. 208.2m-1440kc. 50 watts. Verne & Elton Spencer. Announcer, Verne Spencer. Slogan, "Voice from Glass City." Mon. Tues. Thurs. Fri. 7, 30-9 pm. Sun. 1:30-4 pm. Easteru. Founded

WGMS eabolis Minn 245.8m-1220kc 500 watts.

### of Minnesota WGMU

New York, N. Y. 201,2m-1490ke, 100 watts. At-lantic Broadcasting Co. Chicago, Ill. (tr. at Elgin). 416.4m-720kc. 500 watts. Chicago, Trihune. Announcers, Bill Hay, Quin Ryan, Frank Dahm, J. R. Tyson, Tommy Coates. Baily ex Sun, 9-10 am, news; 11-11:30, music; 11:30-11:57, household hints; 11:37-12:01, time; 12:40-2:55 pm, music; 2:55, baseball; 5-5:57, nusic; 5:57-6:01, time; 0:01-6:10, stocks and bonds; 6:10-6-6:35, Punch and Judy; 6:35-6:50, music; 6:50-7, Almanack, Daily ex Sun, Mon, 8-11 pm, Sum, 12-1 nn; Uncle Walt; 1-2, organ; 2-2, music; 3, baseball; 6:10-6:45, Punch and Judy; 6:35-11:25, music. Central.

Fort Washington, N. Y. 199.9m-1500kc. 100 warrs Frederick B. Zittell, Jr. Founded Sept. 15, 1925.

Ruffalo, N. Y. 302.8m-990kc. 750 watts. Federal Radio Coth. Senior amouncer. Kenneth Fickert Radio Coth. Senior amouncer. Kenneth Fickert Redio Coth. 630-430. Tues. Thurs. 8-11 pm. Mon. Wed. Fri. 8-12 mid. Sun. 10:1551-2 n. 7:4500 pm. 9:15-10. Eastern. Founded May 21, 1922.

# WGST

Atlanta, Ga. 270.1m-1110kc. 500 watts. Georgia School of Technology. Announcer, Walter W. Mer-kle. Slosan. The Southern Technical School with a National Reputation. Man. 9:30-10:30 hm. Thurs, 274 hm. Central. Founded Jan. 1923. WGWB Milwaukee, Wis. 218.8m-1370kc, 500 watts, Radio-cast Corp. of Wisconsin. Announcer, John Sullivan, Slogan, "Make Milwaukee Mightier," Daily ex Sun, 5at, 10.30-12.30 pm, Mon, 8-10.30 pm, Wed, 8-9 pm, Fri, 9-10:30 pm, Sun, 10-11 am, 6-7 WGY

Schenectady, N. Y. 379.5m-790kc. 50,000 watts General Electric Company. Announcer, Kolin Hager, Slogan. "Good Evening to You All." Daily ex Sun. 6;45-8 am, exercises: 8:30, talk: 11:15, talk: 11:55, time; 12:01 pm, weather: 12:02, produce: 12:66, weather: 2 pm, nussic: 2:30, orchestra: 6, stocks: 6:30, orchestra: Mon. 6:30-11 pm. Tues, 6:30-10:30 pm. Wed, 6:30-11 pm. Thurs, 6:30-12:30 am, Fri. 6:30-11 pm. Sat. 6:30-12 mid. Sun, 10:30-12, 3:30-10:45 pm. Short wave, 2XAF 21.96m. Founded 1922.

Madison, Wis, 333.1m-900kc, 750 watts, Univ. of Wis, Announcer, George Curran, Mon. Wed, Fri. 7:30-9:30 pm. Central, Founded 1920,

### WHAD

Milwaukee, Wis. 270,1m-1110kc. 500 watts. Marquette University. Cy Foster, Ed Rantt, Harry Friedman, Mon, Tues, Wed, Thurs, Fri, 3:30-4 pm, 7:30-8, Fri, 8-9:30 pm, Sun, 4:30-5 pm. Central. Founded Oct., 1921.

### WHAM

VY ALTAVA

Rochester, N. Y. 280.2m.-1070kc. 5000 watts. Strombers-Carlson Tel. Mig. Co. Announcer. E. E. Chappell, F. W. Reynolds, Dunald Clark. Slogan, "This is Rochester—Where Quality Predominates." Daily ex Sun. 6:30-11 pm. Tues. 2:30-4 pm. Su. 10:30-12 n. 3:30-5, 6:30-11. Eastern. Founded July 11, 1922.

Carlstadt, N. J. 236.1m-1270ke, 1000 watts. Defenders of Truth Society, Inc. Announcer, Franklin Ford, Mon, Thurs, 6-9 bm, Wed, 9-11:30 pm, Sat. 7-11:30 bm, Sun, 7:30-9:30 pm, Eastern, Founded

### WHAS

Louisville, Ky. 322,4m-930kc, 500 watts. Courier-Journal and Louisville Times Co, Daily ex Sun, 3-5 pm, 7-9;30. Sun, 10 am, service; 2-3, 4:30-5:30, 6:20-8:15, 8:15-9:15. Founded July, 1922. Central

### WHAZ

Troy, N. Y. 305.9m-980kc, 500 watts, Rensselaer Polytechnic Inst. Announcer, Rutherford Hayner, Siogan, "Transcontinental and International Broad-casting Station Located at the Oldest College of Science and Engineering in America." Club, R. P. I, students, Mon. 8-12 midnight, concert, educa-tional talks, orchestra, features. Founded June 24.

### WHR

Kansas City, Mo. 340,7m-880kc, 500 watts. Sweeney Auto & Electrical Schend. Announcer, John T. Schilling. Slogan, "Heart of America," Daily ex Sut, 8:25 am, 9:25, 10:25, 10:30, 11:20, 11:30, 11:56, market reports: 2-3, Iadies hour. Daily ex Sun, Sat, 12:15 pm, 12:30, 1:25, 1:40, stocks. Daily, 7:8 pm, Mon, 8-10 pm, Tues, Thurs, 8-10 pm, Sat, 12:05 pm, 12:30, 1:25, markets, 8-10 pm, Sun, 9:45-10:45 am, service 6:30, 7:15, 7:45; 11:15-1 am, orwan, Central, Founded April, 1922.

### WHBA

Oil City, Pa. 260.7m-1150kc. 10 watts, Shaffer Music House, Tues, 9-10 pm. Eastern. Founded

### WHBC

Canton. Ohio, 236.1m-1270kc. 10 watts. Rev. E. l. Graham. Slogan. "Ignorance is Our Greatest Foe." Mon. 8-8:30 pm. Central. Founded Feb., 1925.

### WHBD

Bellefontaine, Ohio, 222.1m-1350kc, 100 watts. Chamber of Commerce, Sun, 11 am, 7:30 pm. Eastern, Founded Feb, 1925,

### WHBF

NALLA Rock Island. III. 222.1m-1350kc. 100 watts, Beards-ley Specialty company. Announcer, C. L. Beardsley, Stogan, "Where Historic Blackhawk Fought." Daily ex Sun, 12-2 pm. Mon, Wed, 9-11 pm. Sat, 2-4 pm, 7-9, Central. Founded Feb. 1925,

### WHBL

Chicago, III. 204m-1470ke. 100 watts, C. L. Car-roll. (Portable.) Founded, 1925.

### WHBM

Chicago, III, 201.2m-1490kc. 100 watts. C. L. Carroll. (Portable.)

### WHBN

Gainesville, Fla. 202.6m-1480kc. 5000 watts. U. Florida, Not on air,

### WHBP

Johnstown, Pa. 228.9m-1310kc, 250-500 watts, Johnstown Automobile Co. Announcer, J. C. Tully, Stogan: "The Voice of the Friendly City," Disease sex Sun. 1:15 pm. Mon. 11 pm. Thurs, 10 pm. Sat. 10 pm. Sun. 8:30 pm. Eastern.

Memphis, Tenn. 232.4m-1290kc. 100 watts, Broad-casting Station WHPQ. Inc. Announcer, Thomas Thompson, Daily ex Sun. 9-10 pm. Sun. 10:45 am. Central. Founded March. 1925.

### WHBU

Anderson, Ind. 220.4m-1360kc. 15 watts, Citizen's Bank. Announcer, A. L. McKee. Slogan, "First Bank on the Air."

### WHBW

Philadelphia, Pa. 220.4m-1360kc. 100 watts. D. R. Kienzle. Tues. Fri, 7 pm-12:15 am. Sun. 7:30-10:30 pm. Eastern,

### WHBY

West De Pere, Wis. 249.9m-1200kc. 50 watts. St. Norhert's College. Green Bay-De Pere Broad-casting Station. Daily, 6:30 pm. weather, markets, Wed. Fri. Sat. Sun, 5-6 pm. Fri. 7-8 pm. Sun, 10-11 am, service. Central. Founded Jan. 1925.

### WHDI

Minneapolis, Minn. 245.8m-1220kc. 500 watts, Wm. Hood Duwoody Industrial Institute. Announcers, M. R. Hass, A. P. Upton. Slogan, "Northwest Leading Trade School." Mon. 8-9 pm. Wed. 8:30 pm. Fri. 9-10 pm. Daily ex Sun. 6:57-9:30 am, time. Central. Founded May 22, 1922.

### WHEC

Rochester, N. Y. 254.1m-1180kc. 500 watts, Hickson Electric company, Inc. Slogan. "The Magazine of the Air." Announcer, E. H. Troan. Daily ex Sun. 12-3 pm, 6:30-10, Sun. 10:30-12 n. 7:30-10 pm. Eastern. Founded Jan., 1932.

Chicago, III. 215.7m-1390kc, 200 watts, Triangle Rroadcasters. Daily ex Mon, 8-12 mid. Central daylight.

### WHK

Cleveland, Ohio. 265.3m-11.30kc. 500 watts. 1.000 watts 6 am-6 pm. Radio Air Service Corp. Slogal, "Cleveland's Pioneer Brandcasting Station." 131.12 n-1 pm. music; 3:30. housekeepers' chat: Daily ex Sun, 6 pm. Thurs, 6-12 mid. Sun, 10 am, 2-3 pm. 4;30-9;30. Eastern. Founded 1921.

### WHN

New York, N. Y. 304.5m-760kc. 500 watts, Loew's Step Broadcasting Station, Announcers, N. T. C. I. Lewis Reid, Slogan, "The Voice of the Great White Way: Daily ex Sun, 1-2 pm, 6-12-30 and Sat, 12-11 pm, Sun, 9-11 am, 12,30-3 pm, 5-7,30, 9-45-12 mid. Eastern, Founded March, 1922.

### WHO

Des Moines, Ia. 535.4m-560kc. 5000 watts. Bankers Life Co. Announcer, N. Dean Cole. Daily ex Sun. 8-9 am, 10, 10:30-12 n., 12:15-1:15, 2:15-4:30. 6:30-12. Sun. 11 am. 2:5 pm, 6:30-9:30. Central. Founded 1924.

### WHPP

New York, N. Y. 206,8m-1450kc, 10 watts. Bronx Broadcasting Co.

### WHT

Chicago, Ill. (tr. at Deer(eld), 305.9m-980kc. 5000 watts. Radiophone Broadcasting Corp. Amouncer. The Research of the Property of Survey of the Research of t

### WIAD

Philadelphia, Pa. 288.3m-1040kc. 100 watts. Howard R. Miller. Slogan, "The Voice from the Birth-place of Liberty." Tues, Thurs, Fri. 6-12 mid. Eastern. Founded June, 1922.

### WIAS

Ottunwa, la, 322.4m-930kc. 100 watts. Poling Electric Co. Announcer, J. Ernest Gray. Daily ex Sun, Tues, 12-1 pm. 2:30-3:30, 5-6. Central. Founded June 12, 1922.

### WIBA

Madison. Wis. 239,9m-1250kc. 100 watts. Capital Times Strand theater. Announcer. Ken F. Schmitt. Slogan. Four Lakes City. Mon., on. Wed. 7-9 pm. Fri. 6:15-7 pm. Sut. 12-1 Central. Founded June. 1924.

Elkins Park, Pa. 440.9m-680kc, 50 watts. Paul's Protestant Episcopal church, Annou W. Le Roy Auspach, Sun. 10:55 am., 3:55 Eastern, Founded 1925.

### WIBJ

cago, III. 201.2m-1490kc. 100 watts. C. L. Car . (Portable.)

### WIBM

Chicago, III, 201.2m-1490kc. 100 watts, C. L. Car-roll. (Portable.) **WIBO** 

Chicago, 111. 5000 watts. Announcer, W hicago. III. (tr. at Des Plaines), 305.9m-980, 000 watts, Nelson Brothers Bond and Mig. Connouncer. Watter Preston, "Stul" Dawson, Daily un, 2:30-6 pm. Daily ex Mon, 7-8:30, 10-11 p. un, 8:45-10 am. Sun, Tues, Wed, 11-1 am. Centrounded May 20, 1925. WIBR

Steulenville, Ohio. 249,9m-1200kc, 50 w. Thurman A, Owings. Announcer. Robert Me man. Slogan, "Where Investments Bring Resul Daily ex Sun, 6:30-7:30 pm. Wed. 11:15-12:45 Mon. Fri. 8:30-10 pm. Sun. 4-5 pm. Founded 10:25. Eastern.

### WIBS

Elizabeth, N. J. 204m-1470kc, 250 watts, New Jersey Broadcasting Corp. Announcer, Capt. H. J. Leiper, Mon, Wed, Fri, 3-5 bm, 6-12-3a, Tues, Thurs, 3-5 bm, 6-7:30, 11-12, Sat, 6-11 bm, Sun, 5:30-7:30 Jun. Eastern, Founded June, 1928.

Poynette, Wis. 217.3m-1380kc. 20 watts. The Electric Farm. Wisconsin State Journal. Mon. 9 pm. Sun. 2 pm. 4. Central. Founded July 10, 1925.

Toneka, Kan. 204m-1470kc. 250 watts. C. L. Car-roll. Founded 1926. Announcers, H. A. Kyler, N. W. Macy. Daily ex Sun, 10:30 am, 5:30-8:30 pm, Sun, 12:15 bm, 4, 6:15 pm, Central.

### WIBX

Utica ,N. Y. 238m-1260kc, 300-150 watts. WHEX Inc. Daily ex Sun. 9:30-11 am, shaphing fuur: 12-1, news-stocks, markets, music, farm news, 3-4, music, 6-11. Sept. Silent night, Sat. 6-4 am. Sun. 10:30-1 pm. 6-11 Eastern, Founded 1923.

### WIBZ

Montgomery, Ala. 230.6m-1300kc. 15 watts. A. D

### WICC

Easton, Conn. 265.3m-1130kc. 500 watts. The Bridgeport Broadcasting Station, Inc. Announcers. Charles W. Selen, William H. Snidewind. Slogan, "The Industrial Center of Connecticut," Daily ex Sun. 9-11 am. 12-1 pm. 5-11. Sun. 10:50 am-12:30 pm. 25-7;30-9:30. Eastern. Founded Aug. 2, 1926.

### WIL

St. Louis, Mo. 258.5m-1160kc. 250 watts. Benso Broadcasting Co. Announcers, Bill' Ellsworth. I. A. Bensın. Daily and Sun. 9,28,11:30 am. 2:45-nm. Daily ex Wed. 8-11 pm. Central. Founde Sept. 1922.

### WIOD

Miami Beach, Fla. 247.8m-1210kc. 1000 watts. Carl G. Fisher. Announcer, Jesse H. Jay. Slogan. "Wonderful Isle of Dreams."

### WÏP

Philadelphia, Pa. 348.6m-860kc, 500 watts. Gimbel Bros. Announcer, E. A. Davies, Slogan, "Watch Its Progress." Daily ex Sun, 1-1;30 pm, 3-4;30, 6;30-7;30. Tues, Thurs, Sat, 10-10;30 am. Tues, 10 pm, Wed, 8-9 pm, Thurs, 8-10 pm, Sat, 9-11;30 pm, Sun, 10:45-12 n, alternate Sun, 9 nm and 7:45 pm, Eastern, Founded Nov, 1921.

Waco, Tex. 333.1m-900kc, 500 watts. Hotel Raleigh, Mon. Tues, Thurs, 6:30-7:30 pm, Mon. Tues, Thirs, Fri. 8:30-10 pm, 1st and 3rd Wed. 8:30-9:30 pm. Central. Founded July 22, 1922.

### WJAG

Norfolk, Nehr. 285,5m-1050kc, 250-500 watts. No folk baily News. Announcer, Karl Stefan, Slogar "The World's Greatest Country Daily, and Home Printer's Devil." Daily ex Sun, 12:15 pm; 4 pt Wed, Sat, 6:30-230 pm, orchestra. Sun, 3 pr Central, Founded 1922.

Kokomo, Ind. 234,2:n-1280kc. 50 watts. Kokomo Tribune, Daily ex Sun. 11:45 am, chapel. Mon. 7:30 pm, music. Wed, Thurs, 5:30 pm, concert, Fri. 7:30 pm, Founded Sept., 1921. Central.

Cedar Rapids, Iowa, 239.9m-1250kc, 250 watts, D. M. Perham, Daily ex Sun, 9 am, 9:40, 12:30, 1:20, markets, Mon, Wed, Fri, 7-9 pm, Tues, Thurs, Sat, 9-11 pm, Central, Founded July 29, 1922.

Providence. R. I. 483.6m-620kc. 500 watts. The Outlet Co. Announcer, J.A. Keilly. Slogan, The Southern States of the Control o

Pittsburgh, Pa. 270,1m-1110kc, 500 watts. Pitts burgh Radio Supply House, Pickering's Studio, an nouncer, Howdy Clark, Stokan, World's Jollies Aerial Station, Dalily ex Sun, 10:30 am-2 pm 9-11. Tues, Thurs, Sat. 10:30 am-2 pm, 8-11, Sun 11, am-2 pm, 3-4, 9-10. Eastern. Founded Aug. 4

Jacksonville, Fla. 340.7m-880kc. 1000 watts. City of Jacksonville. Daily ex Sun. 11:55-12:05 pm Jaily ex Sun. Wed. 7:30-11 pm. Sun. 11 am. 6:30 7:30 pm. 8-9, 10-11. Eastern. Founded Nov. 26

### ŴĴAY

Cleveland, Ohio. 227.1m-1320kc. 500 watts. Cle land Radio Broadcasting Corn. Announcer, John Mack. Slogan, "On the Hollenden," Daily ex-10 am, 12, n. time; 6-12 mid, Sun, 10:30 a service; 6:30 gm, 7, 11 pm, 11, time. Easte Founded Jan. 7, 1927. WJAZ

Mt. Prospect. III. 263m-1140kc. 5000 watts. Zenith Radio Corp. Announcer. George G. Smith. Dails ex Sun. M.-n. Thurs. 7-8 pm. 9-11. Thurs. 9-12 mid Sun. 7:30-9:30 pm. Founded 1922. Central.

### WJBA

Joliet, 111. 247.8m-1210kc. 50 watts. D. H. Lentz Jr. Tues. Thurs. Fri. Sat. 7-12 mid. Central.

### WJBB

Sarasota, Fla. 238m-1260kc, 250 watts, Financial Journal. Daily ex Sun. 11:30-2 pm, 4:30-6, 6-7, 9-12. Eastern, Founded 1920.

### WJBC

La Salle, III. 227,1m-1320kc. 100 watts. Hummer Furniture Co., Announcer, LeRoy Stremlau. Slogan, "Better Home Station." Daily ex Sun. 12:30-1:30 pm. Mon. 7-10 pm. Sat, 4-5 pm. Sin, 10-1:30 am, 3:30-4:45 pm. 7:30-9:30 pm. Founded May 4, 1925. Central.

### WJBI

Red Bank, N. J.

### WJBK

Ypsilanti, Mich. 220.4m-1360kc. 15 watts. Ernes Goodwin, Announcer, H. T. Augustus. Mon. 9-1 pm. Thurs. 10-12 mid. Sun. 10-11;20 am. 7:30-8:3 pm. Eastern, Founded Oct. 7, 1925.

### WJBL

Decarur, III. 212.6m-1410kc. 250 watts. William Gushard Dry Goods Co. Announcer, W. H. Wiley Mon, 9-10:30 pm. Wed, 9-11 pm. Sar. 9-11:30 pm. Sun, 10:45-12:15 pm. Central. Founded Sept. 24

### **WJBO**

Orleans, La. 263m-1140kc, 100 watts, Valde-Jensen, Founded 1922, WJBT

Chicago, 111. 389.4m-770kc, 500-5000 watts, J. S. Boyd, Inc. Announcer, Bobby Griffin, Daily ex. Sun, 11-05.2 am, 3 pm, 5. Mon, 10-11 pm, Thes. Wed, Fri. Saj, 11 pm, Thus. 12 mid, Sun, 10:30-12n, 2:30-12 mid, Carl. 10:30-12n, 2:30-12 mid, Carl. 10:30-12n, 2:30-12 mid, Central, Founded 1926. WIRL WJDU Lewisburg, Pa. 214.2m-1400kc, 100 watts, Buck-nell University, Announcer, A. B. Lauderbaugh, Slo-gan, "In the Heart of the Keystone State." Thurs, 8 pm. Eastern, Founded 1925.

**WJBW** New Orleans, La. 238m-1260kc. 30 watts, C. Carlson, Jr. Tues, Fri. 7-8 pm. Sun. 9-10 pm.

### WJBY

Gadsden, Ala. 234.2m-1280kc. 50 watts. Electric Construction Co. Mon, Wed, Fri, 8-9 p.m. Central Founded Aug. 11, 1926.

### **WJBZ**

Chicago Heights, III, 208.2m-1440kc. 100 Roland G. Palmer. Anthony Copporelli, Mon, Fri, 7-12 mid. Central. Founded an. 10, 1926.

### WJJD

Chicago, Ill. (tr. at Mooseheart). 356.6m-820kc. 1000 witts. Loyal Order of Moose station. Palmer 100 witts. Loyal Order of Moose station. Palmer 100 witts. Loyal Order of Moose station. Palmer Sogan. "The Call of the Moose," Daily ex Sun. 10 am. news; 10:30. ordan: 11-12. n. Frudence Penny; 12, mt.sic; 4 bm. hano reveries; 4:45, Palmer house soluists; 5:45. music; 6, symphony; 6:15, talk. Daily ex Sun, Moh. 8 bm. Tues, Fri. 11-1 am. Wed. Thurs, 11-12 mid. Sat. 9-10 pm, 12-2 am. Sun, 7:30-10:30 am, services; 1:30-2 pm, funnies; 2-4. Bible classes; 9, studio program: 10, news. Central.

Gary, Ind. 232.4m-1290kc. 500 watts. Thomas J. Johnson and Frances Kennedy Radio Corp. Mon 7-1 am. Tues, 7-9 pm, 11-12. Wed, 7-9 pm, 11-12n. Thurs, 7-9 pm, 11-12. Fri, 7-9 pm, 11-12. Sat. 330-5 pm, 7-9, 11-1 am. Sun. 330-5 pm, 7-9, 11-1 am. Sun. 330-5 pm, 7-9, 11-1 am.

### WJPW

Ashtabula, Ohio. 208.2m-1440kc, 30 watts. J. Wilson. Mon. Wed, Fri, 7:45 pm. 8:30-11. St 10:30-12 n, 7:30-8:30. Central. WIR

Pontiac, Mich. 440.9m-680kc. 5000 watts. 8xA O. 32 m. The Richards-Oakland Co. Slogan, "The Good Will Station." Announcers, Leo Fitzpartick John F. Patt. Daily ex Sun, 12:45-2 pm, 6-12 mid. Mon, Wed. Fri. 10 am. 11, Sun, 10 am. service: 24 pm, service: 6-10:30 pm. Eastern. Founder August. 1255. WJZ New York, N. J. (tr. at Bound Brook). 454,3m-660kc, 49,000 waits, R. C. A. Managed by National Broadcasting Co. Announcers, Milton J. Cross, Marley Sherris, Norman Sweetser, Curt Peterson, Daily ex Sun, 10-1015 ann, 12:30-12 mid. Sun, 9-10 am, 1-10:45 pm. Founded 1921, Eastern.

Daily 10:45 pm. room.

WKAQ
San Juan, Porto Rico, 322,4m-930kc, 500 watts,
Radio Corporation of Porto Rico, Announcer, Joaquin Akusty, Slogan, "The Island of Enchantment,
Where the World's Best Coffee Grows." Wed, 8-10
pm. Intercolonial. Founded Dec. 3, 1922.

East Lansing, Mich. 277.6m-1080kc, 500-1000 watts, Michigan State College, Announcer, Keil Himehaugh, Daily ex Sun, 12-12;30 pm, weather, markets, agricultural tonics, 7:15-8, farm school; WKAV

Joliet, III. 215.7m-1390kc, 150 watts, Sanders Bruthers, Mon. 7-9 pm. Tues, Thurs, 8-12 mid. WKBC Birminaber

### WKBE

Webster, Mass. 228.9m-1310kc. 100 watts, K. & B. Electric Co. Tues, Wed. 8-10 nm. Sat. 8-10:30 nm. Eastern. Founded Feb. 27, 1925. WKBF

Indianapolis, Ind. 252m-1190kc, 250 watts, Noble B. Watson, Announcers, Carl Fobl, Carl Watson, Daily ex Sun, 10 am, 10:30, 10:40, 5 mm, 7, 7:10. Daily ex Sun, 12 m, Mon, 7:30 tmt, 8:30, 9. Tues, 8:30-10:30 pm, Thirts, 7:30-10 pm, Fri, 7:30, 8-9:30 pm, Sun, 10:45 am, 3 pm, 7:30. Founded Oct., WKBG

III. 201.2m-1490kc. 100 watts, C, L, (Portable.) WKBH Latrusse, Wis. 220.4m-1360kc. 500 watts. C. way Music Co. Announcer, Arthur J. Hecht. 1 ex Sun, 10 am, Aunt Sammy; 12 n., weather, L. Farm talks, Mon. 8:30 pm, Wed, 8:30 pm, Fri, 8:30 pm, Sat, 8:30 pm, Sun, 10:30 am, 6:30 Central, Founded 1924.

### WKBI

www.americanradiohistory.com

215.7m-1390kc, 50 watts, Fred L. f. Daily 2-4 nm. Dally ex Sun, 7:30-9:30 rat. Founded Ang. 1926.

### WKBL nroe, Mich. 205,4m-1460kc, 15 watts. a Radio Mfg. Co.

WKBN Youngstown, Ohio. 214.2m-1400kc. 50 watts. Radio Electric Service Co. Announcers. Arthur Brock. Warren P. Williamson, Jr. Daily ex Sun, 7:30 am, exercises. Tues, 5:45 bm. Thurs. Sat, 6 bm. Eastern. Founded Sett., 1926.

### **WKBO**

Jersey City, N. Y. 218.8m-1370kc, 500 watts. Camith Corp. Announcers, H. F. Bidwell, Donald Fischer. Mon. 12-1 pm. 6-9. Tues, 12-1 pm. 6-8. Wed. 12-6 pm. Thurs, 10-1 pm. 6-8. Fri. 10-1 pm. 9-12 mid. Sat, 12 n-3 pm. Sun, 2-6 pm. Eastern. Founded Sept. 11, 1926.

### **WKBP**

Battle Creek, Mich. 212.6m-1410kc. 50 watts. Battle Creek Enquirer and News.

### WKBQ

New York, N. Y. 218.8m-1370kc, 500 watts. Standard Cabill Co., Inc. Announcer, Allan Cabill, Mont, 9-12 n. Tues, 9-12 n, 1-8 jnn, 9-12. Wed, 9-12 mid, Thurs, 1-3 pn, 8-12, Fri, 3-6 pm. Sat, 3-8 s12 mid, Eastern, Founded Sept. P2c.

### WKBS

(NAD)

Galesburg, Ill. 217.3m-1380kc, 100 watts. Permil N. Nelson, Announcer, Paul W. Palmquist. Slogga, "The Marghowe Station in the Renowned City of Colleges," Daily ex Sun. 12:40 nm, stocks, 2:31, rgain, Mon. Wed. Fr. 10:11 am, 12:30-1 nm, 2:30-1 nm,

New Orleans, La. 252m-1190kc. 50 watts. First Baptist church. Announcer, W. H. Green. Slo-gan, "We Kast Bible Truth." Sun. 10:45 am, 7:20 pm, service. Central. Founded Feb. 1924.

### WKBV

Brookville, Ind. 217.3m-1380kc, 100 watts, Knox Battery & Electric Co., Fri, 7-9 pm. Sun, 7-9 pm.

### WKBW

Buffalo, N. Y. 217.3m-1380kc, 500-750 watts. Churchill Evangelistic Assn. Inc. Daily ex Sun, 7:30 pm. Sun, 9:30 am, 10:30, 3 pm, 7-9, 10:15-12 mid. East-ern, Founded 1926.

Ludington, Mich. 199.9m-1500kc. 15 watts. The Toggery. Mon. 8-10 pm. Sun. 10:30-12 n, 7-8:30 pm. Central, Founded Nov. 23, 1926,

# Kenosha, Wis. 247.8m-1210kc. 15 watts. Edward A, Dato.

WKEN V Anhlerst, N. Y. 204m-1470kc. 750 watts. WKEN Inc. Announcers, Walter L. Amidon, Carl E. Welsher. Daily ex Sun, 11:45 am. Mon. Thurs. 6 12:30 pm. Tues, 8-12 mid. Sat. 6:30 pm. Sun. 9:3 am., 11. 2:30-3:30 pm. 7:30. astern. Founded 5:3

Lancaster, Pa. 252m-1190kc, 50 watts, Kirk Johnson & Co. Announcer, R. M. Harnish, Mon. Wed, Fri, 6-10 pm, Fri, 11-12 mid, Suo, 10:45-12 m. 7:30-8:30. Eastern, Founded Nov., 1921. WKRC

# Cincinnati, Ohio, 245.8m-1220kc, 500 watts, Kodel Radio Corp., Mon, Wed, 6-8 pm, 9-11, 12-2. Tues, 6-7 pm, 9-12 mid. Turs, 8-10 pm. Fri, 9-11 pm. Sat, 6-7 pm, 9-12. Sun, 11-12 n; 3-5 pm, 7-8, 9-11. 11:30-1. Eastern. Founded May, 1924.

Oklahoma City, Okla. 288,3m-1040kc. 150 watts. WKY Radiophone Co. Daily 10-11 am, 6-7:30 pm. Mon. Wed. Fri, 9-11 pm, Central.

WLAC

Nach: "

Nashville, Tenn. 225.4m-1330kc. 1000 watts, Life and Casualty. Announcer, Walter N. Carmbell Lially 6:45-7:45 am. Daily ex Sun. 12;25-12;55 ph. Mon. Wed. 6-9 pm. Tues, Thurs, 6-7 pm. 9-11. Sar. 6-9 pm. Sun, 6:30-7:30 pm. 9:15-10:15. Central, Opened Nov. 24, 1926. Louisville, Ky. 267.7m-1120kc, 30 watts. 100 watts 6 am-6 pm. Virginia av. Baptist Church. Sun. 11 am. 7:30-8:45 pm. Central, Founded 1922.

WLB Minneapolis, Minn. 245.8m-1220kc. 500 watts. U. of Minneapolis, Announcer, Gordon C. Harris, Mon. 7-15.8, Tues, 6-7 pm. 8-9. Wed. 6-15-7 pm., 7:30-8. 30, Fr. 4-5 pm., 7:30-8. Central. Opened Oct. 3, 1927, 7.

### WLBC

Muncie, Ind. 209.7m-1430kc. 50 watts, D. A. Burton, Slogan, "Myncie, Ind. The Ideal American City." Daily ex Sun, 10 am, 12 n, 3 bm, 7, Sun, 10 am, 2 pm, Central. WLBF

Kansas City, Mo. 209.7m-1430kc, 50 watts. Everett I. Dillard, Slogan, "Where Listeners Become Friends," Daily ex Sun, 9-12 n, 2-4 pm, 7-10:30. Central. Founded Nov. 13, 1926. WLBG

### WLBH

Farmingdale, N. Y. 232.4m-1290kc. 30 watts. Jos. J. Lombardi, Announcer, H. J. Martin, Daily, 10-11 am, Mon, Wed, Fri. 7:30-11 am, Eastern. WLBI Wenona, III, 238m-1260kc, 250 watts, Wenona Legion Broadcasters, Inc., Daily ex Sun, 10 am, 2 pm, Wed, 5 bm, Mon. Thurs, Fri, 7 pm, Central, Opened Nov. 1926.

WLBL Stevens Point, Wis. 333.1m-900kc, 1000 watts. 2000 watts 6 am-6 pm. Wisconsin Dept, of Markets, Songan, "Wisconsin, Land of Beautiful Lakes," Daily ex Sun, 8 am, 9, 10.11, 12 n, weather, mar-kets; 1 pm, news, Thurs, Sat, 8-10 pm. Central.

### WLBM

imbridge, Mass. 230.6m-1300kc. 50 watts, g Drake Curporation. WLBN Chicago, III. 204m-1470kc, 100 watts. William Evert Hiler (Portable). Daily ex Sun, 12-1 pm, 5-7, 9-11. ('entral.

### WLBO

Galesburg, III. 217.3m-1380kc. 100 watts. Frederick A. Trebbe. Jr. Tues, Thurs, Sat. 9-10 pm. Central. Founded Jan. 16, 1927. WLBQ Atwood, Ill. 218.8m-1370kc. 25 watts, E. Date

### 111. 247.8m-1210kc, 15 watts leasting Corp.

WLBT

### **WLBV**

Mansfield, Ohio, 206.8m-1450kc, 50 watts, Mansfield Broadcasting Association, Amounteers, Rapavis, John F, Weimer, Daily ex Sun, 6-7 pm. Mon, 9-11 pm. Ved, 9-11 pm. Sat, 9-30-12 mid. Sun, 10:30-12 m. dentral. Founded Jan, 1, 1927.

### **WLBW**

Oil City, Pa. 272.6m-1100kc. 500 watts. Petroleum Telephone Co. Amounter, Deane Moore. Daily ex Jun. 12:15-1:15 pm. 5:15 pm. Mon. 12:1:30 am. Mon. 2:30-11 pm. Thurs. 10:11:30 pm. Sun. 3:30-5 pm. Eastern. Founded 126.

### WLBX

ong Island, N. Y. 204m-1470kc. 250 watts. John

### WLBY

Iron Mountain, Mich. 209,7m-1430kc. 50 watts Aimone Electric. Daily and Sun, 12-1 pm. Central

### WLBZ

Ithaca, N. Y. 247.8m-1210kc. 50 waits. Lutherar Assn. of Ithaca. Announcer, Robert F. Schuetz. Slogan, "The Church at the Gare of the Campus," Sun. 10-45 am. 7-345 pm. Eastern, Founded 1926.

### WLEX

Lexington, Mass. 215.7m-1.390kc, 50 watts, Lexington Air Station, Amounteer, Gerald Harrison, Daily ex Sat, 83:9-10:30 pm. Sat, 11 pm. Eastern, Founded Oct., 1926.

Ebgin, 1D. 416.4m-720kc, 15000 watts, Liberty Magazine, Autonucers, Bill Hay, Art Smith, Daily ex Sun, 10:30-11 am, 11;30-11:57, 12:01-12:40 pm, 7-8, 11-12:30. Sun, 5:15-6. Central, Founded 1925.

### WLIT

Philadelphia, Pa. 405.2m-740kc, 500 watts. Lit Brus, Mon, Wed, Fri, 13-2 pm, music, 2-3, 4-30, mpsic, 5-30, suries; 7:30-mid, Tues, Thurs, 11 am, Tues, Thurs, Sat, 12n, 2 pm, 4-30, 5-30, 7-30, Fester u, Founded Mar, 18, 1923.

### WLOE

### WLS

Chicago, III. (tr. at Crete). 344,6m.870kc. 500 watts. Sears. Roebuck & Co. Shogan, "World - Largest Store. Daily ex Sun. 9-1:30 um, half hour markets. 12-1 pm, farm program; 2:30-3:30, homemakers hour. Mon. 4:30-10 um. Ved, Fri. 4:30-12 md, Sai, 4:30-4 am. Tues., Thirts. 4:30-8 mm. Sun. 10:45-12:15 pm, Un of C. struces: 12:15-130 um, concert: 1:30-12:30, S. School: 6-8. Little Brown church. Central. Founded April 6, 1924.

### WLSI

Providence, R. L. 269, 7m-1150kc, 250 watts, Lincoln Studios Inc. Amounteer, Armande J. Lores Mon, 6-38 pn, Uses, 6-30 pn, Wed, 7 pm, 9, Thirds, 6-30, Fri, 7 pm, Sat. 6-30 pm, Sun, 6-30 pm, Eastern, Founded Jan. 1925.

### WLTH

Brooklyn, N. Y. 256.3m-1170kc, 250 watts. Voice of Brooklyn, Inc. Mon, 10 am, 5-6 pm, 9-11. Thes, Wed. Thurs, 4-7 pm, 9-12. Fri, 5-7 pm, 11-1 am, Sat. 4-6 pm, 9-12 mid. Sun, 1-2 pm, 5-6, 9-11.

### WLTS

Chicago, III. 483,6m-620kc, 100 watts, Lane Technical High School, Mon, 9-10 am, 2-4 pm, 6-7. Founded May 1924, Fr. 9-10 am, 2-4 pm. Central Founded May 1924.

### WLW

Cincinnati, Ohio. (tr. at Harrison). 428.3m-700kc, 5000 watts. 52m-5764kc, 250 watts. The Croster Radio Cero. Amounteer, Fred Smith. Daily ex Sext Sun, 8 am, exercises; 10, woman's hour; 11.15, markets; 11.55, time; 12, n. weather, musicale; 11.30, 2.30-4.30, musicale; 31.30, markets; 6.45 markets; 6.15, inje; 12, m. weather; 11.15, markets; 11.55, inje; 12, m. weather; 12.45, markets; 2.30, 4.30, musicale; 6.45, m. weather; 12.45, markets; 2.30, 5.30, injectie; 6.45, m. weather; 2.35, 5.30, inj., chain. Eastern. Founded 1919.

### WLWL

New York, N. V. (tr. a) Kearney). 370.2m-810kc 1000 watts. The Paulist League. Announcer, Joseph A. Itier S. Sugan, "For God and Country" Tues Thurs. 8-11 pm. Sat, 7-9 pm. Sun. 8-9:15 pm

### WMAC

Cazenovia, N. Y. (tr. at Casenovia). 225.4m-1330kc 500 watts. C. B. Meredith, Announcer, C. R. Jones Thurs, 12 n. farm program; 8 pm. popular studio Founded 1922. Eastern.

### WMAF

outh Dartmouth, Mass. 428,3m-700kc. 500 watts.

### WMAK

Buffalo, N. Y. (tr. at Lockport), \$45.1m-550kc 75 watts (tr. Tonawandal, WMAK Studios, Inc. An nogmer, Wilham Fay, Daily ex Sun, 12 n, news 12:15, music, 4-12 mid, Sun, 2:30-11 pm. Eastern Founded Sept. 22, 1922.

### WMAL

Washington, D. C. 241.8m-1240ke, 500 watts. M A. Leese Radio Co. Daily 6:30 pm. Eastern

### WMAN

Columbus, Ohio. 234.2m-1280kc. 50 watts. Baptist church. Announcer, John Bohannan, 10-30-11:45 am. 7:30-8:45 pm. Eastern. Fou

### WMAQ

Chleago, Ill. 447.5m-670kc. 1000 watts. The Chi-News. Amouncer, Harry Geise, Daily 1-11 am, 12 n-2 nm, 4-6 nm, 7-10:15. Sun. 0:15. Daily ex Sun. Sat. 12:10-12:25 pm. ral. Founded April 13, 1922.

### WMAY

### WMAZ

Jason, Ga. 270.1m-1110kc, 500 watts, Mercer Inversity, Amouncer, E. K. Cargill, Thes, Wed, Hurs, 8-9:15 pm. Fri. 11-12:15 am. Eastern Jounded 1921.

### **WMBA**

Newport, R. I. 204m-1470kc, 100 watts, LeRoy Joseph Beebe, Daily ex Sun, 3-4 pm, 8-10.

### WMBB

Homewood, Ill. 252m-1190kc, 5000 watts, American Bond & Mortgage Co.-Trianon, Amouncer-Hugh Aspinwall, Slogan, 'World's Most Beautini Baltroom.' Daily ex Sun, 7-10-30 pm. Sun, 4-6 pm. 7-40-10-30, Central, Founded 1925,

### WMBC

Detroit, Mich. 243.8m-1230kc. 100 watts. Michigan Broadcasting Co. Announcer, Gordon Daily, 6-10 pm. Eastern. Founded 1925.

Peoria Heights, III. 205.4m-1460kc, 250 watts. Peoria Heights Radio Laboratory. Daily ex Thurs. musicale. Sun, service.

### WMBE

208.2m-1440kc. 10 watts. Dr. pn, Fri, 10-12 n. Wed, 8-10 pm.

### **WMBF**

Miami Beach, Fla. 384.4m-780kc, 500 watts, Fleet-wood Hotel. Announcer, Faul Whitehurst, Brilly ex Sun, 6:39-7 jnn. Wed, Fri, Sat, 10-11 nn. Tues, Thurs, Fri, Sun, 10-12 mid. Eastern, Founded 1924.

### **WMBG**

Richmond, Va. 220,4m-1360kc. 15 watts. Havens and Martin. Slogan, "The Public Be Pleased." Anouncer. Wm. K. Sealey, Jr. Daily ex Sun. 2-3 pm. 6-10. Eastern.

Joplin, Mo. 204m-1470ke, 100 watts. Edwin Dud-ley Aber. Announcers, M. E. Jones, E. D. Aber. Stoggan, "Where Memories Bring Happiness," Mar-Tues, Wed. Thurs. 12:15-1 pm, 5:30-7:30, 8:30-10:30, Fri. 12:30-1:15, pm, 5:30-7:30, Sat. 12:30-1:15, pm, 5:30-7:30, 8:30-10:30, 5:30-7:20, 21-21, 6, 7:30,

Bicago, III. 263m-1140kc. 5000 watts. Moody Bibliostitute.
 Stogan. The West Point of Christoperevice.
 Announcer, Wendell P. Laveless. Daily service.
 Jan. 10:30-11:30, 12:30-130 pm, 3:30-30.
 Tues, Wed, Fri. Sar. 8-9 pm. Thurs. 7-9 pm. 20:01-20; pm, 2:30-7 pm. Central, Founded July 28, 1926.

### WMBJ

### WMBL

la, 228.9m-1.310kc, 100 watts, Ben studios, Daily ex Snn, 10:30-1:30 pm 10-11, Sun, 11-12 n., 7:30-8:30, Eastern WMBM

WMBO

# WMBQ Brooklyn, N. Y.

### WMBR

Tampa, Fla. 252m-1190kc, 100 watts, F. J. Reynolds, Daily ex Sun. 1-2 pm, 2-3, 7-8, 8-9, 10-11.

### **WMBS**

### WMBW

Ohio. 214.2m-1400kc. 50 watts readcasting to., Inc. Mon. Wed. Fri 6-12. Sat. 10:30-12:30 am. Founde Youngstown, Youngstown Br 2:30-3:30 pm, Jan., 1927.

### WMC

Memphis, Tenn. 516.9m-580kc. 500 watts. The Commercial Appeal. Annumeer, Francis S. Chamberlin, Singan, "Station WMC, Memphis," "Down in Dixie" Baily ex Sun. 9:45 am 12 n, 2:30 ton, weather, markets, music. Daily, 7 pm, program: Sun, 11 am, church service. Founded Jan. 20, 1923. Central.

### **WMCA**

New York, N. J. (tr. at Holoken), 370.2m.810kcl. www. vars., Butel McAlpha, Announce Snedder Werr, Slogan, "Where the South State St

### **WMES**

Boston, Mass. 211.1m-1420kc. 50 watts, Mass. Educational Society. Mon. Thurs, 8-10:30 pm. Sun. 10:45-12 n., 7:45-9:30. Eastern. Founded Aug. 1

Lapeer, Mich. 234.2m-1280kc, 30 watts. First Methodist Protestant Church, Daily ex Sat, 12-1 pm, Daily ex Sat, Thurs, 7:30-10 nm, Mon, 12-12-3 am, Daily ex Sat, 4-5 pm, Sun, 10:30-12 n, 12-1 nm, 4-5:30, 7:30-12 Central, Founded Dec, 6, 1925.

### WMRJ

Jamaica, N. Y. 206.8m-1450kc. 10 watts. Peter J. Prinz, Tues. Thurs. 8-11:30 pm. Sat. 12-2:30 am. Sun. 12-2:30 pm. 9-11:30. Eastern. Opened July 9.

### WMSG

N. Y. 236.1m-1270kc, 500 watts, Mad-Garden, Announcer, Horace E. Benver, 2 mil, Tues, 6-11 pm, Wed, Sat, 3-6 8:30-11, Eastern,

### WNAC

Boston, Mass, 461,3m-650kc, 500 watts, The Shejard Stores, Announcers, Bon Hadfield, E. Lewis Huillami, Joseph Lopez, Jean Sargent, Daily ex Sun, 7:48 an-12 mid. Sun, 10:48 an-5 pm; 6:30-11. Eastern, Founded July 31, 1922.

### WNAD

Norman, Okla, 239.9m-1250kt, 500 watts, University of Oklahoma, Amounteer, Fred Humphrey Mon. Wed. Thurs, 7:15-9:45 mm. Tues, Fri, 12:15-pm. Sat, 2-5 pm. Central. Founded Jan. 5, 1925.

WNAL

Omaha, Nebr. 258.5m-1160kc. 250 watts. R. J. Rockwell, Announcer, Ronald J. Rockwell, Slo-gan, "Pioneer Station of Omaha," Fri, Sat, 7-9 nm, 9-11 pm. Central, Founded 1921, WNAT

hiladelphia, Pa. 288.3m-1040kc, 100 watts, Len-g Bros, Co, Slogan, "We Never Are Tired," Wed, 30 pm. Sat, 8 pm. Eastern, Founded 1921. WNAX

Yankton, S. pm, 250 war Co. Daily e ex Sun, 6 and 6 pm. Sun, 9:30-12 n.

1. Founded 1921. WNBA

WNBF

### **WNBH**

New Beilford, Mass. 247.8m-1210kc, 250 w New Beilford Hotel. Announcer, I. Vermilya, 1-10-30 pm, Tues, Thurs, 7-8 pm, Wed. 6-10-rri, 6-10-30 pm, Sun, 11-12:15 pm, 7:30-9 (hereign Faunded 1923)

Knowcille, Tenn. 206.8m-1450kc. 50 watts. Lodale Baptist Church. Sun. 9:45 am, 10:45, 5-6 7, 9-10. Central.

Washington, Pa. 211.1m-1420kc. 15 watts. John Brownlee Spriggs. Daily ex Sun. 2-4 pm, 9-11 pm. Sun. 11 am, 7 pm, services. Eastern.

### WNBQ

Rochester, N. Y. 205.4m-1460kc. 15 watts. Gordon P. Brown.

### **WNBR**

Memphis, Tenn. 228,9m-1310kc. 100 watts. Pupu lar Radio Shon. Announcer, Mrs. John Ulrich. Daily ex Sun. 6130 pm. Sun. 2130 pm. Central. Opened Jan. 21, 1927.

### WNBW

, Pa. 199.9m-1500kc. 5 watts, Hom-and China Co.

### WNBX

### WNBZ

Newark, N. J. 267.7m-1120kc, 250 wattman Lubinsky, Announcer, Sneiden Weir, Sat, Sun, 10 am, 1/30-3/30 nm, Mon, Tues, Wed, Fri, 10-12 mid. Thurs, 6-8 pm, Sun, mid. Eastern.

### WNOX

Knoxyille, Tenn. 265.3m-1130kc. 1,000 watts. Peoples Telephone & Telegraph Co. Mon, Wed, 7-10 pm. Fri. 7-11 pm. Tues, 9-9:30 pm. Central.

### WNRC

Greensboro, N. C. 223,7m-1340kc, 250 watts, Wayne M. Nelson, Mon, Wed, Fri, 12:30-1;30 pm, 6:45-9, Tues, 7-10 pm, Thurs, 7-11 pm, Sun, 11:15 am, 8 pm, services, 9, spirituals, Eastern, Founded Mar.

### WNYC

New York, N. Y. 526m-570kc. 500 watts, New York Municipal Radio station. Announcer, Christie R. Bolmsack. Slogan, Municipal Broadcasting Station of The City of New York. Dally, 7-10 pm. Egistern, Founded July 8, 1924.

### WOAI

San Antonio, Texas. 499,7m-600ke. 5000 watts. Southern Equip. Co. (Evening News-Express). Antonioners. J. C. Cummings. Slogan, 'The Winter Playground of America, Where the Sunshine Spends the Winter. Plaily ex. Sun. 9,30 and, weather, markets, news, shorts. Mon. 2-8 ms. Thes. Wed. Thurs. Fri. 9-10 pm. Sun. 1 am. 7,30 mm. Central. Founded summer 1922.

### WOAN

awrenceburg, Tenn. 239.9m-125tkc. 500 watts ames D. Vanghan. Announcer, James D. Vanghan 50n, 11-12 n, 7:30-8:30 pm. Central.

### WOAX

Trenton, N. J. 239.9m-1250kc, 500 watts, F. L. Wolff, Slogan, "Trenton Makes; the World Takes, Daily ex Sin, 12:15-115; pm. Mon, 7:30-8:30 nm. baily ex Sin, Sat. Wed, 7:30-9 nm. Fr. 7:30-8:30 nm. San, 7:30-9 nm. Eastern, Founded March

### WOBR

### **WOBT**

nion City, Tenn. 205.4m-1460kc. 15 wat orth Radio Music Shop, Daily ex Sun, n, 4-5 pm, 8-10. Sun, 4-5 pm. Eastern WOBU

Charleston, W. Va. 267.7m-1120kc. 50 watts. Charleston Radio Broadcasting Corn. Announcers. Wally Fredericks, Tom Mays. Slogan, "Yout There With a Crosley." Daily 7-9 pm. Eastern. Davenport, Iowa. 374.8m-800kc. 5000 watts. The Palmer School of Chiropractic. Announcers, Peter Mac Arthur. Edgar Twantley, Pat Flanagan. Slogan, "Where the West Bexins and in the State Where the Tall Corn Grows." Daily ex Sun, 7 am. Hanny hour; 9:45. markets, 1:11:115, 1:57 pm. time; 2 markets; 3, Annt Jane; 5:45, chimes. Mon, 7 pm. musicale; 7:30-9:30, WEAF; 9:30-10:30, These, 7-8 pm. 8-9:30, WEAF, Wed. 6:45-9:30, N. B. C.; 9:30, 1:38; Thurs, 7 pm. 7:30-10, N. B. C. Fri, 7:10 pm, N. B. C. Sat, 7-9 pm, WJZ. Sun, 11 am, 12:15 pm. 15:30, N. B. C.; 8:15-10:15, N. B. C. Central. VOCI

### WOCL

WOUL Jamestawn, N. Y. 223,7m-1340kc. 25 watts. A. E. Neroton, Amouncer, Rob Page, Tues, Fri, 6:30-7 pm. Sun, 10:30 am, 7-9 pm. Eastern.

### WODA

Paierson, N. I. 293.9m-1020kc. 1000 watts. O Temple of Music. Slogan, "A Voice from the City. Daily ex Sun, 9-10 am, 12-2 pm; 1 5-30-9 pm, Tues, 4-30-6 pm, 9-11. Wed, 5:30-9 11-12. Thurs, 4:30-6 pm, 9-12. Fri, 5:30-9 11-12. Sat. 4:30-6 pm, 9-12. Sun, 9 am, 7 Founded April 13, 1925. Eastern,

### WOI

Ames. Iowa. 265.3m-11.30kc. 2500-5000 watts. Iowa State College. Announcer. A. G. Woolfries. Daily ex Sun, 7 am. 7:30, 8:45, 9:30, 10, 10;30, 12:10, 12:15 mm. 12:30, 12:40, 12:45, 1 pm. 1:30, 9:30. Mon. 7:45, 8. Turrs, 7:30, 7:45, 8. Sat, 4:15 mm. 160 Scott, Sun, 10:45 am, 3:15 pm. Founded Jupin. 19:20. Central.

ticigo, III. (tr. at Homewood). 252ui-1190kc. 5000 atts. Karzas-Chicago Beach Hotel. Aunouncer. ugh Aspinwall. Dadly, 11-12:30 am. Founded dly 20, 1925. Central.

# WOKO

Peckskill, N. Y. 215.7m-1390kc, 250 watts, H. E. Smith, Daily ex Sun, 10 am, Daily ex Sun, 10-11 am, 6-8 pm, Sat, 9-11 pm, Sun, 11 am, 12:30 pm, 3:30, Eastern, Founded Mar., 1924. WOKT ochester, N. Y. 209.7m-1430kc, 500 watts, is Corp. Aunouncers, P. M. Titus, E. F. Kin intent Irolli, Daily ex Sun, 12-1 pm, 5-6,

WOMT Manitowor, Wis. 222.1m-1350kc, 150 watts, Mikadaw theater. Amounteer, F. M. Kadon, Dr ex Sun, 11:50 am-1-10 pm, 5:45-7. Mon, 10:30-1 am, Central, Founded July 1926.

### WOO

Philadelphia, Pa. 348.6m-860kc, 500 watts, John Wanamaker, Dafly ex Sun, 11:55 am, time, weather 12 m, organ; 2338-1 pm, concert; 4:40, weather 4:45, organ recital; 7:20, police repairs; Mon, Welfri, 7:30-11 pm, music, concert. Mon, Fr., 9:55 pm time, weather. Eastern. Founded Aug. 1922.

### WOOD

Grand Rapids, Mich. 260,7m-1150kc. 500 warts Walter B. Stiles, Inc. Mon. Tues, Wed, Thurs Fri. 9-11 pm. Sun, 9-10 pm. Central. WOQ Kansas Uity, Mo. 340,7m-880kc, 500 watts. Unity School of Christianity. Announcer, Rex G. Betris. Daily ex Sun, 11-11/30 am. Daily ex Sun, 6-7 nm. Mon, 9-10 nm. Wed. Pri, 8-10 pm. Sat, 10-11 nm. Sun, 11-12/30 am. 230-5 nm. 7-45-9. Central.

### WOR

N. J. (tr. at Kearney). 422.3m-710kc s. L. Bamberger & Co., Amouncers, Louis m. Meredith Page, C. M. Bosworth, Daily 6:45-8 am, 2:30-5 pm, Daily and Sun, mid. Sun, 3-5 pm, 7:45-11 pm, Founded

### WORD

Batavia, III, 252m-1190ke, 5000 watts. People Pulpit association, Amouncer, J. P. Holmes, Slogan "Watchtower Station WORD," Daily 6-7:10 nm, Jun. 10-12 n, 2-4 pm, 6-7, Founded Dec., 1924,

### WOS

Jefferson City, Mo. 422.3m-710kc. 500 watts. Missouri State Marketing Bureau. Announcer, Jack Heiny, Slogan, "Watch Our State." Daily ex Sun. 9 am, 10, 10-30, 11, 12 n, 1 pm, 2, markets, stocks, weather. Mon, Tues, Wed, Thurs, Fri, 7 pm, snarkets, haseball; 7:15, news, Fri, 4 pm, children's hour. Mon, Wed, 8 pm, Fri, 8:15 pm. Central. Founded 1922.

### WOW

Omaha, Neb. 508.2m-590kc. 1000 watts. Woodmen of the World. Announcer, Lester Palmer, Slogan. "Where the West Is at It's Best." Laily ex Sun, 8.15 am, 8:55, 10:30, 12:30 pm, 1:45, 3:15, 8:15 am, 8:55, 10:30, 12:30 pm, 1:45, 3:15, 8:15 am, 8:55, 10:30, 12:30 pm, 1:45, 3:15, 8:10, 10:30 pm, 1:45, 3:15, 8:10, 10

Fort Wayne, Ind. 228.9m-1310kc. 5000 watts, 6-6 pm. 2500 watts after 6 pm. Main Anto Supply Co. Amounters, Al Becker, Don Cruse, Daily ex Sat, 10.30-12 n, home news, tarm flashes, Daily ex Sun, 12-1;30 pm. nusic. Mon, 6:15-11:30 pm. Wed, 7-11 pm. Thurs, Fri, 7-11 pm. Fri, 4-5 pm. Sat, 6 pm. Sun, 4-5 pm., service; 8-10. Central. Founded April, 1923.

Palisade, N. J. 394.5m-760kc. 500 watts. Palisades Amusement Park. Anthomoer, Perry Charles, I. Lewis Reid, Mon, Wed, Sat, 8 pm. Tues, Fri, 8:30 um. Thurs, 9 pm. Eastern.

Chicago, III. 223.7m-1340ke, 500 watts. North Shore Congregational church, Announcer, Ralph E. Briggs, Tues, Thurs, 7:30-8:30 pm, Wed, 7:30-8:30 pm, Fri, 7:30-9:30 pm, Sun, II-12:30 pm, 3:30-5:30, 8-9:30. Central. Founded July, 1924.

### WPCH

Hoboken, N. I. 325,9m-920ke, 560 watts. Con-course Radio Corp. Mon. 7-12 mid. Tues, 4-7 pm, Wed, 6-9 pm. Thurs, 4-12 mid. Sat, 4-7 pm, 9-2 am. Sun, 6:30-12 mid. Eastern. WPEP

Waukegan, Ill. 215.7m-1390kc. 250. watts, Amounter, Maurice Mayer. Sloxant, Waukegan Pen Station, Daily, 3-5 nm, 6:30-9, 9:30-12. Central. WPG

# Atlantic City, N. J. 272-6m-1100kc. 5000 watts. Municipality of Atlantic City. Slogan. "Worlds Tlaygrounds. Daily ex Sun. Fri. I pan. 6.45-12.30 an. Sun. 3.15 pm, 4.15 pm, 5:15, 9:15, 10:30. Fastern. Founded Jan. 3. 1924.

WPRC Harrisburg, Pa. 209,7m-1430kc. 100 watts. Wilson Printing & Radio Co. Mon, Wed, Fri, 6-7 pm. Sun, 7:30-10:30 pm. Eastern, Opened Sept. 30, 1925.

### WPSC

State College. Pa. 299.8m-1000kc. 500 watts. Pa. State College. Announcers. D. M. Cresswell, D. D. Henry, Slogan, "The Voice of the Nittany Lion." Tues, Wed. 6:30-7:30 pm. Eastern. Founded Nov., 1921. **WPSW** 

Philadelphia, Pa. 206.8m-1450ke, 50 watts. Philadelphia School of Wireless Telegraphy, Slogan, First Wireless School in America. Wed, Fri, 7 pm. Eastern, Founded 1908. Raleigh, N. C. 545.1m-550kc, 500 watts, Durham Life Ins. Co. Slogan, "We Protect the Family," Mon, Wed, Fri, 6-8 pm. Sun, 11 am, 7:30 pm. Eastern, Founded Oct, 1, 1927.

### WQAM

Miami, Fla. 384,4m-780kc, 750 watts, Electrical Equip Co. Announcer, Frederick W. Mizer. Slogan, "Florida's Floneer Radio Station, Daily ex Sun, 11:50-12:30 pm, 7-9:30. Tues, Fri, 11-12 mid. Sun, 9-12:10 pm, 7-9. Eastern, Founded Feb. 1, 1922. WQAN

Seranton, Pa. 230,6m;-1300kc, 250 watts. Scranton Times. Announcer, T. V. Nealon. Slogan, "The Voice of the Anthracite: Daily ex Sun, 12:30-1 pm, 4:30-5, news, reports, sports, music. Tues, Fri, 8 pm. entertainment. Sat, 6:30-7:15 pm. dance music. Sun, 4-5 pm. Eastern. Opened Jan, 8, 1923. WQAO Palisade, N. J. 394,5m-760kc, 500 watts, Calvary Hantiss ehurch, Aunonineer, G. R. Windham, Slogan, "The First Clurch Owned and Operated Broadcasting Station in the World." Wed, 7:30 pm, church service, Sun, 11:15 am, 3 pm, 7:30, church service, Founded 1922. Eastern,

WOBA Tampa, Fla. 238nr-1260kc. 250 watts. WQBA Inc.

WQBJ

### WQBO Music Co. 222.1m-1350kc. 15 watts. Guli

Chicago, Ill. 447.5m-670kc, 500 watts, Calumet Baking Powder company-Chicago Daily News. Daily ex Sun, 11-12 n, 3-4 pm, 6-7. Daily ex Sun, Mon, 7-8 nm, 10-1 am, Sun, 10-45-12:30 pm, 2-4, 6-7. Founded May 22, 1924. Central.

La Porte, Ind. 208.2m-1440kc, 100 watts. Radio Club, Inc. Announcer, Charles Middleton. Slogan. 'The Voice of the Maple City.' Daily ex Sun, 12-1 pm, 7-9. Sun, 10:45-12:15 pm, Founded April. WRAH Providence, R. I. 199.9m-1500kc. 250 watts. Stan-ley N. Read.

### WRAK

Escanaba, Mich 282.8m-1060kc. 50 watts. Economy Light Company. Amounter, H. E. Flath. Slogan. "The Gateway to Cloverland." Mon, Fri, 8:30 pm. Eastern, Founded 1924. WRAM Galeshurg, Ill. 247.8m-1210kc. 50 watts. Lom-bard College. Mon, 7-11 pm. Founded 1922. Cen-tral

# WRAW

Reading, Pa. 238m-1260kc. 100 watts. Avenue Ra-dio & Elec. Shop. Slogan, The Schnylkill Valley Echo. Announcer, C. M. Chafey, Tues, 9-11 pm, Thirs. 8-12 mid. Sun, 11 am, 3-4, 7:30. Eastern, Founded June S. 1923.

### WRAX

Philadelphia, Pa. 212.6m-1410kc, 250 watts, Berachab Church, Inc. Amounters, Waller S. Smalley, Herbert Hogg, Tues, Thirs, 7:30,9-30 pm, Stin, 11:15-12:15 pm, 4-5, 9-10. Eastern, Foundel 1923.

### WRBC

Valparaiso, Ind. 238m-1260kc. 250 watts. Immanuel Lutheran church. Annuancer. Gerhars Schutes. Slogan. "World Redeemed by Christ." Mon. 7:30 pm. Sun. 7:30 pm. church service. Central. Founded March. 1924.

### WRC

Washington, D. C. 468.5m-640kc. 500 watts. Radio Corp. of America. Announcer, John B. Daniel Slogan. "The Voice of the Cabitol." Daily ex Sun 6-45 am-1 pm, WEAF: 1-2, organ; 5-11 pm. Sun 11 am-9:30 pm. Eastern,

### WRCV

Charlotteville, Va. 209.7m-1430kc. 100 watts. Radic Corporation of Virginia. Slogan, "The Voice of the Rusiness District." Mon. Tues. Thurs. Fri. 7-8 pm. Sum. 10:30-12:15 pm. 7:15-8:45. Eastern.

Memphis, Tenn. 249,9m-1200ke, 100 watts. WREG fuc. Announcer, Hoyt B, Wooten. Daily ex Sun 7-8 pm, Sun, 3-5:30 pm. Central. Founded Sent

Lawrence, Kan. 254.1m-1180kc. 750 watts. Jenny Wren. Daily ex Sun. 6:30-8 am. 10:45, cookings school; 5-6 pm; 9-10:30. Sun. 8-9:30 pm. Central. Founded Feb. 1927.

### WRES

Quincy, Mass. 217.3m-1380kc. 50 watts. Harry Leonard Sawyer. Tues, Wed. Thurs, Fri, 8-11 pm. Eastern. Founded Nov., 1926.

### WRHF

Washington, D. C. 322.4m-930kc, 150 watts. American Broadcasting Company. Daily ex Sun, 10-12 n 6-7. Sun, 5:30-7 pm. Founded 1924. Eastern.

Minneapolis, Minn. 260.7m-1150kc. 1000 watts. Rosedale Hospital, Inc. Announcer, Troy S. Miller. Daily ex. Sun. 9-10-30 am., 12-1 pm. 5-5, 6-7. Mon. Wed, Fri. 8-10 pm. Thurs., 10-12 mid. Sat. 8-11 WRK

Hamilton, Ohio, 205.4m-1460kc, 100 watts. John C. Slade, S. W. Doran, Mon, Wed, Fri, 1-2 pm, 6:45-10, Tues, Thurs, 1-2 pm, 6:45-2 am, Sat, 1-2 pm, 2:30-5, 6:45-2:50 am, 10:30. Eastern. Founded

Urbana, III. 272.6m-1100kc. 500-1000 watts. Univ of III. Announcer. John Bayles. Daily ex Sun. 5-pm. 7-8 pm. musical. Sun. 3:45-5 pm. Central Founded 1922.

### $\mathbf{W}\mathbf{R}\mathbf{M}\mathbf{U}$

New York, N. Y. 201.2m-1490kc. 100 watts. At-lantic Broadcasting Corp.

New York, N. Y. (tr. at Coytesville, N. I.), 325-9m-920kc, 500 wastis, Short wave 2.XAL (30.9m-9700kc), Experimenter Pub Co. Daily ex Sun, It-pm, 2:30-4, 7:41 pm, Sun, I am, 1-6:39 pm, Exicen. Founded Jun. 21, 1928.

### WRPI

Terre Haute, Ind. 208.2m-1440kc. 100 watts. Rose Polytechnic Institute Broadcasting Assn.

Dallas, Tex. 461.3m-650ke, 500 watts. City of Dallas, Announcer, John Thorwald, Slogan. "City of Achievements." Dally ex Wed., 11:210, pm, 6-7, 8-9, 10-11, Sun, 11-12 n., 7:30-5 pm, 9-30-10-30. Central.

### WRRS

Racine, Wis, 247.8m-1210kc, 50 watts. Racine Broadcasting Corp. Announcer, F. G. Leavenworth, Dully ex Sun, Sat. 6-7 pm, news. Mon, Well, Fri. [2] pm, organ; 8-10. Central, Founded Dec. 1

Radiotel Mig. Co., Inc. Slogan, Bay Shore, the Garden Spot of Long Islands, Daily ev Sint, 124, ppn, 45, 6-8, Daily ex Sint, Thurs, 124, ppn, 4-5, Daily ex Sun, Tues, 12-1 pm, 4-5, 8-12. Eastern, Founder 125.

Richmond, Va. 254,1m-1180kc, 1000 watts. Larus & Bro, Co., Inc. Slogan, "Carry Me Back to Old Virginy". Announcer, J. Robert Beadles, Daily es Sat. Sun, 12-1:30 pm, Mon. Wed. Thurs, Fri. 7-12 mid. Sun, 11-12 u., Sun, 11-12 n. 8-9. Eastern, Opanel Nov. 2, 1925.

Cincinnati, Ohio, (tr. at Mason), 361.2m-830kc, 5000 watts, United States Playing Card Co. Daily and Sun, 7-12 mid. Fri, 8-9 pm. Eastern,

Grove City, Pa. 223.7m-1340kc. 250 watts. Grove City College. William L. Harman, activities. Ir-regular schedule. Founded April 1920.

Allentown, Pa. 222.1m-1350kc. 100 watts, Allentown Call Pub. Co. Announcer, Charles Walp. Thes, Thurs, 8:15 pm. Eastern.

Fall River, Mass. 252m-1190kc. 250 watts. Dought & Welch Elec. Co., Inc. Announcer, Barton G. Albert. Daily 12-1 pm, 5:30-6:30. Founded Jan. 1923. Fastern. WSAX

### Ill. 204m-1470kc. 100 watts. Zenith

Hintington, W. Va. 249.9m-1200kc, 100 watts. McKellar Elec Co. Amouncer, F. B. Smith, Daily ex Sun, 12-4 pm, 6-10. Sun, 10-12:30 pm, 3-4, 6-10, Eastern. Founded Jan., 1927.

### WSB

Atlanta, Ga. 425.9m-630kc, 1000 waits. Atlanta lontral, Amonucer, Lamblin Kay, Slogan, "The Voice of the South." Daily ex Sun, 10 am, home-makers half hour; 12-1 pm, music, weather; I, farm service; 2:30, reports; 8-9, concert; 10-45-12, concert, Mon, 5:30 pm, WJZ. These, 7 pm, WEAF, Wed, 6:15 pm, health talk; 7, WJZ, Sai, 6 pm, & S. lesson, Sun, 9:30 am, 10:54, 5 pm, 6:15, WEAF; 8:15, music. Central.

(house III. 232.4m-1290kc, 500 watfs, World targer I. Daily ex Sun, Mon, Thurs, 6:30-8 pm, t, t, v, whon, 9-1 am, Sat, 2-4 am, Sm, 5-7 pm, 750-a, 6-7 pm, Central.

St. Louis, Mo. 258,5m-1160kc. 250 watts. WSBF WSBT

South Bend, Ind. 399.8m-750ke, 500 watts. South Bend Tribune, Announcer, C. G. Livengood, Daily ex Sun, 6-7 pm, Mon, 9:30-11:30 pm, Thurs, 9-11:30 pm, Fri, 10-12 mid. Founded April, 1922. Central.

New York, N. Y. 227.1m-1320kc. 250 watts. City Temple, Thurs, 7:45-9:30 pm. Sat, 10:45-1 pm. Sun, 7:30-9:30 pm. Eastern. Virginia Beach, Va. 263m-1140kc. 500 waits. Virginia Beach Broadeasting Co. Founded Jan. 7, 1927.

### **WSGH**

rooklyn, N. Y. 227.1m-1320kc, 500 watts. Ama-ur Radio Specialty Co. Daily ex Sun, 4 pm, 12 id. Sun, 12:30-3 pm. Eastern.

### WSIX

Springfield, Tenn. 249.9m-1200ke. 150 watts. 631 Tire and Vulc. Co. Announcer, George H. Lawrence Daily ex. Sun. 12:30-1:30 pm. 7-8. Snn. 11 am Central. Founded Jan. 7, 1927.

WSKC

Bay City, Mich. 272.6m 1100kc. 250 watts. World's Star Knitting Co. Announcer, S. F. Northout. Trails Begin. "Daily ex Sun. 12-1 pm. Hardy bour of music. Tues. Thurs. Sat. 9-11 pm. Sat. 12-2 am. Sun. 11 am. Eastern. Founded June 15, 1925.

V SIVI Nashivile, Tenn. 336.9m-890kc, 5000 watts. Na-tional Life and Accident Insurance Company. An-nouncer, George Hay. Daily ex Sun. Sat. 11:45, An-12:30 pm, 1-1:30, 5:30-6. Mon. 6:15-11 pm. Tues. Wed, 7-11 pm. Thurs. 6:30-11 pm. Sat. 6:11 pm. Sun. alt. 11 am. 7:15 pm, services, 6:20-7:15 pm. SiS-9:18. Founded Oct. 5, 1925. Central.

New Orleans, I.a. 296.9m-1010kc, 750 watts. Saen-ger Theaters, Inc., and The Maison Blanche Co. Dailey ex Sun, 12:30-1:30 µm, 6-7 pm, Mon, Wed, Thurs, Sat, 8:30-10:30 pm, Founded April 21, 1925.

Dayton, Ohio. 296,9m-1010kc, 500 watts, S, Krohin, Jr. Slogan, "The Home of Aviatio Daily ex Sum, Thurs, 9-10 am, woman's hours pm, 6-11. Thurs, 9 am, 12 pm, 6, 11-3 am, S USOE.

M SUC. Milwaukee, Wis. 270.1m-11.0kc. 250 watts, School of Engineering of Milwaukee, Managed by Wister Water School, William S

Middletown, Ohio. 236m-1270kc, 100 watts, Middletown Broadcasting Co. Announcer, Harry W. Fahr, lander, Tues, Fri, 10;30-11 am, 8-10 pm, Sun, 2-4 pm, Central. Founded 1923.

### WSSH

Boston, Mass. 288.3m-1040kc. 100 watts, mont Temple Baptist church. Announcer, Rayn B. Meader. Fri, 7:30-9 pm. Sun, 10 am, 6:30 Eastern. Founded June 8, 1924.

Nowa City, Iowa. 475.9in-630kc, 500 watts. Univ. of Iowa. Announcer, Carl Menzer. Daily ex Sun. 9 am, 10-30, Daily ex Sun. 81.25 pm, 5 nm, 6. Mon, 7 pm, 9. 11, Wed, 7 pm. Mon, 4 pm, 12 md. Sat, 7:30 µm, Sun, 9:30 pm, Founded Feb. 12, 1924. Central.

### WSUN

St. Petersburg. Fla. 516.9m-580kc, 750 watts. City of St. Petersburg. Announcer, J. Dudley Sau-nenig. Slogan, "The Sunshine City." Tues, Thurs. Sat. 3-5 pm, 7-12. Eastern. Founded Nov. 1, 1927.

### WSVS

Buffalo, N. Y. 204m-1470kc. 50 watts. Seneca Vocational School. David Warnhoff, announcer Slokan. "Watch Seneca Vocational School." Wed. Fri. 8-9:30 pm. Eastern. Founded Nov. 9

Syracuse, N. V. 293.9m-1020kc, 500 watts. Clive B. Meredith. Slogan, "Voice of Central New York." Daily ex Sun, Thurs, 6:20-10:30 pm, Sun, 6:20-9:15 pm, Eastern, Founded 1922.

### WTAD

niney, III. 236,1m-1270kc. 250 watts 500 watts am-7 pm. Illinois Stock Medicine Broadcasting riporation. Slogan, "The Voice of Agriculture, nily ex Sun, 11:30-12:30 pm. Central, Founded ec. 29, 1926.

### WTAG

Worcester, Mass, \$16.9m-580kc, 250 watts. Worcester Telegram Gazette, Announcer, Chester Gaylord, Slogan, The Voice from the Heart of the Commonwealth, Daily ex Sun, Sat, 10.30 an, 12 n, 12:30, 12:35, 10, 10, 7, 7:30, 8, 8:30, 9, 10, 11, Sat, 12:30, 1 um, 7, Sun, 3, 4, 5:30, 7:20-916 pm, Eastern, Founded May 12, 1924.

### WTAL

Toledo, Ohio. 239.9m-1250kc. 250 watts Toledo Broadcasting Co. Announcer, Karl I Slogan, "The Gateway to the Sea." Daily, Sat. 9 pm. Sun. 10:45 pm. Eastern.

Cleveland, Obio. 399.8m-750kc. 3500 watts. 5000 watts. 6 am-6 pm. Willard Storage Battery, Co-Announcer, R. B. Humphrey, Slogan. The Volcal Proin the Storage Battery, Department of the Color of the Co

Ean Claire, Wis, 254 Im-1180kc, 500 watts, Gillette Rubber Co. Announcer, C. S. Van Gorden, Slogan, The Voice of the Wilderness, Mon, 127 Despete Co. Announcer, C. S. Van Gorden, Slogan, The Voice of the Wilderness, Mon, 128 Lister, news; 5, 6, 10, 10:30, Tues, 12 n. 122:15; 230 pm, 15, 6, 6:20, Wed, 12:15 pm, we ster, 12:15 pm, 5, 6, 10, Fri, 12 n. 12:15 pm, 5, 6, 6:20, Satt, 12:15, Sun, 11 am, Central Founded Oct. 12.

WSUF Notiolk, Va. 236.1m-1270kc, 500 watts Reliance Electric Co. Announcer, Ray Winters Stogan, "Down in Old Virginia." Daily ex 12:30-1-30 pm, organ: 4-4:30, popular program 4-30-5:30 6-6:30:6:30-10, 10-11. Sun: 2-3 pm, 4:11 5-48: 5-48, 7-9. Eastern. Founded Sept. 21, 1923.

Broadcasting Corp.

WTAW
College

College Station, Tex. 483.6m-620kc, 500 Agricultural and Mechanical College of Texas, ex. Sun. Sat. 12:10 pm. Wed, Fri. 7 pm. Fo

Streator, III. 247.8m-1210kc, 50 watts, William Hardware Co., Radio Division, Announcer, N. Williams, Slogan, "Tappa Kegga Nails." Mon 8 (10.30 pm. Thurs, 9-11 pm. Central, Founded 1922

## WTAZ

, Va. 220,4m-1360kc, 15 watts, W. Rey, and T. J. McQuire.

### WTFF

Toccoa, Ga. 209.7m-1430ke, 250 watts. Toccoa Falls Institute. Announcer, Kelly Barnes, Tuese Thurs, 7-8 pm. Sun, 9-10 pm. Eastern, Founde Oct. 1927.

### WTIC

Hartford, Conn. 535.4m-560ke, 500 waits. The Travelers Insurance Company Slogan, "The insur-ance Civ." Daily, 6:30-11 pm. Sun, 4:30-7:30 pm. Founded Feb. 10, 1924. Eastern.

### WTMJ

Milwaukee, Wis. 293.9m-1020kc. 1000 watts. Milwaukee Journal, Announcers, Fred Jeske, Larry Teich, Slogan, "Voice of Wisconsin, Land of Lakes," Mon. Tues, Wed. Thurs, Fri. 10-2 pm, 3-12 mid. Sat. 10-2 pm, 3-11, Sun. 9:30-10:45 pm. Central Founded July 25, 1927.

### WTRL

Midland Park, N. J. 206.8 Technical Radio Laboratory, pm. Sun. 2-4 pm. Eastern. 206.8m-1450kc. 15 watts. ory. Tues. 7-9 pm. Frl. 7-8

### WWAE

Chicago, Ill. 227.1m-1320kc. 500 watts. Dr. George F. Courrier. Daily ex Sun, Mon. 7-9 pm. Central

Detroit, Mich. 352.7m-850kc. 1000 watts. The Detroit News. Announcers. E. L. Tyson, F. P. Wallace, Fred W. Jencks. Mon. Wed. Fri. 7:10 mexercises; 9:30-10, household hints; 10:30-1

New Orleans, La. 245.8m-1220kc, 500 watts, Loy-ola Univ. Announcer, O. I., Abell, Sat, 7:30-8:30 pm. Central. Founded March 31, 1922.

### WWNC

Asheville, N. C. 296.9m-1010kc. 1000 watts. Asheville Chamber of Commerce. Announcer. J. Bale Stentz. Daily ex Sun, 1 pm. 2.7-8. Tues, 7-10:38 pm. Thurs, 6:30-12 mid. Sun, 11 am-4 pm. 7:35 pm. Eastern. Founded Feb. 21, 1927.

### WWVA

Wheeling, W. Va. 516.9m-580kc, 250 watts. John C. Stroebel, Jr. Daily ex Sun, 7 am, 8, 11, 12, 2, pm. 6. Mon, 7-11 pm. Sat, 11-1 am, Sun, 10:30 am, 1 pm. 3, 7:30. Eastern. Founded Dec. 6, 1926.

### Canada

### **CFAC**

Calgary Alta, Can. 434.5m-690kc, 1000 watts. Calgary Herald. Announcer, Fred Carleton. Daily ex Sun. 11.30-12:15 pm. 1:15 pm. weather, markets. Mon. 3:30-4:30 pm. 9:30-10:30. Tues, 6-7 pm. Wed. 3:30-4:30 pm. 7:458-48; Thurs. 9 pm. 9:30-10:30. 12. Fri. 3:30-4:30 pm. 8:30. Sun. 11 am. 7 pm. service.

### **CFCA**

Toronto, Ont., Can. 356.0m-840ke. 500 watts, To-ronto Star. Announcer, Cordon W. McClain. Daily ex Sun. 12 n. 5-45 6-20, weather, stocks, Mon, 10:30-12 mid. 524, 5:30-10 pm. 5un. 11 am, 7 pm. 8:15. Eastern. Founded March, 1922.

### **CFCF**

Montreal, P. Q., Can. 410.7m-730kc. 1650 watts. Canadian Marconi Co. Announcer, C. Walter Darling. Daily ex. Sun. 12:451-140m, stocks, mus. Mon. Fr. 7-2.30 pm, bedlime stories; 7:30-8:30, music: 9-10, 10:30-11:30, orchestra. Wed, 7-8 pm, orchestra. Eastern.

### **CFCH**

Iroquois Falls, Ont. 499.7m-600kc. 250 watts. Abi

### **CFCN**

Calgary, Alta., Can. 434.5m-690kc, 1800 watts, W. W. Grant, Ltd. Slogan, "Voice of the Prairies, Tues, 9-10 jm., 11-12. Thirs., 7-45-8.45 jm., Fri. 9-10 jm., Sun, 11 am, 7:15 jm., services, 3 jm., Monatain.

Victoria, B. C., Can. 475.9m-630kc, 500 watts. The Victoria Broadcasting Assu. Daily ex Sun. 11-12:15 am, 7:30-9:15 pm. Daily, 8-8:330 am. Fri, 7:30-9:30, Thurs, 10:30-12 mid. Pacific. On air March, 1924.

Charlottetown, P. E. I. 312.3m-960kc, 100 watts. Island Radio Co. Daily, 12-1 µm, 4-6. Wed, Thurs. 7-8 pm. Sun, 11 am, 7 pm. Brant ford, Ont., Can., 296.9m-1010kc, 50 watts, The Brant Radio Supply Co., Ltd.

CFJC
Kant

Kamloops, B. C. 267.7m-1120kc. 15 watts. N. S. Dalkeish and Sons, Weller and Weller. Mon. Pri. S.30.6:30 pm. Wed, 8 pm. Pacific.

Prescott, Ont. 296.9m-1010kc. 50 watts. Radio Association of Prescott. Fri, 8-10:30 pm. Sun. CFMC

n, Ont., Can. 267.7m-1120kc. 20 watts h Battery Mfg. Co., Ltd. redericton, N. B. 247.8m-1210kc. 25 watts. James Neill & Sons, Ltd. Wed, Thurs, 7-8 pm. Son Lam, 7 pm, services. Atlantic.

**CFQC** Saskaton, Sask., Can. 329.5m-910kc, 500 watts The Electric Shop, Ltd. Announcer, Grant Steven son. Slogan, "The Hul City of the West Wher No. I Northern Hard Wheat Crows." Daily ex Sun 9-10 am: 1:15-2 pm. markets, reports, Mon. 6 pm. Wedl. 7:30-10 m. reports, Triports, and the Company of the Company of the Company am Sun, 11 am. 7 pm, church service. Monn am Daily Company of the Company of the Company of the Company am Daily Company of the Company of the Company of the Company of the Company am Daily Company of the Company of

### **CFRB**

Trownship of King, York County, Ont. 29, 1030ke. 1000 waits, City of Toronto. Annou Charles Shearer, Slogan, "Just Flug In, Then In," Bully ex Sat, Sun, 12 n. 1 mn. 6, stocks; Tries, Fri, 6-8 mn. Wed, Thurs, 8-12 mid. 11 am, 3 mn, 7. Eastern.

Vancouver, B. C. 410,7m-730kc, 500 watts. International Bible Students' Assn.

### CHCS

CHCY

# King Edward Park, Edmonton, Alta. 516.9m-580ke. 250 watts. International Bible Students' Association. Tues. Sat. 8:30-10 pm. Thurs. 8-8:30 pm. Sun. 10-11 am. 3-4:30 pm. 9:15:10:30. Mountain. Founded May 11, 1926. CHGS

www.americanradiohistory.com

Summerside, P. E. 1. 267.7m-1120kc, 25 watts. R. T. Holman, Ltd. Daily ex Sun, 12 n. Sun, 11 am, 7 pm. Atlantic.

### CHIC

Toronto, Can. 356.9m-840kc. 500 watts. Northern Electric Commany. Ltd. Announcer, R. W. Low-man. Mon. 8-9 pm. 11-1 am. Sat. 10-11 am. 10-12 mid. Sun. 5-6 pm. Eastern.

### CHMA

Edmonton, Alta. 516.9m-580kc, 250 watts. Christian & Missionary Alliance. Sun. 11 am. 1:15 pm. 2:15, 2:30, 5, 5:30, 5:45, 10:30. Tues, Thurs, 6:15-6:45 pm. Sat, 6 pm. Mountain.

### CHML

Mount Hamilton, Ont., Can. 340.7ni-880kc. 50 watts. Maple Leaf Radio Co., Ltd.

### CHNC

Toronto, Can. 356.9m-840kc. 500 watts. Toronto Radio Research society.

### **CHNS**

Halifax, N. S. 322.4m-930kc, 100 waits, Northern Elec. Co., Ltd. Sun, Mon. Wed, evening program. Atlantic, Founded May 12, 1926.

### CHPC

Vancouver, B. C. 410.7m-730kc. 1000 watts. Central Presbyterian Church. Sun, 11 am, 7:30 pm.

### CHRC

Que. 340.7m-\$80kc. 45 watis. E. Fontaine. CHSC

CHUC Saskatoon, Sask., Can. 329.5m-910kc. 250 watts. International Bible Students' association, Au-nouncer, C. Roberts, Ties, 7:30-10 pm. Thurs, 8:30-10 pm. Fri, 9-10 pm. Sun, 12:45-2:15 pm.

CHWC Regina, Sask. Can. 312.3m-960kc. 500 watts. R H. Williams & Sons, Ltd. Daily ex Sun. 12-1 pm. 5-6. Wed. Sat. 8-10 pm. Mountain.

Chilliwack, B. C. Can, 247.8m-1210kc. 5 watts. Chilliwack Broadcasting Co., Ltd.

Montreal, Que., Can. 411m-730kc. 750 watts. Northern Elec. Co., Ltd. Announcer, N. S. Richards. Wed. 6-12:30 am. Thurs, 8-8:30 pm. Sun, 11 am. 7 pm. CNRM programs occasionally. Eastern.

### CJBC to. Ont 291 lm-1030kc. 500 watts. Baptist

**CJBR** Regina, Sask. 312.3m-960kc. 500 watts. Saskatchewan Co-operative Wheat Producers, Ltd. Thurs, 7:30-9 pm. **CJCA** 

Edmonton, Alta., Can. 516,9m-580kc, 500 watts. Edmonton The Sunniest Spot in Sunny Alberta. The Sunniest Spot in Sunny Alberta. Daily ex Sun, 12:30 am, markets, news; 7:15 pm, children's program; Ved. Sat, 12:30 pm, 12 mid. Messages to North. Daily ex Sun, 11 am. music. Tries, 3-9 pm, Ved. 8-8:30 pm, bridge; 941, 11:42, Fri. 8-10:30 pm, Sat, 10-12 mid. Sun, 11 am. 7:15 pm. Mountain.

### CJCJ

. Alta. 434.5m-690ke. 250 watts. & Repair Shop. **CJCR** Red Deer, Alta. Can. 356.9m-840kc. 1000 watts. The North American Collieries, Ltd.

London, Ont., Can. 329.5in-910kc. 500 waits. London Free Press. Daily ex Sun, 1-2 pm, stocker music. Mon. Tines, Wed. Thurs, Fri, 7-9 pm. Fri 11-12 midnight. Sun, 11 am, 2-3 pm, 7, church services. Eastern.

### CJGX

Yorkton, Sask, 475.9m-630kc, 500 watts. The Winnipeg Grain Exchange. Daily ex Sun, 9:30 am, 11:30, grain; 1:45 pm. Tues, Fri, 8:30-10 pm. Central.

### **CJOR** nd, B. C. 291.1m-1030kc, 100 watts, C. C

CJRM Moose Jaw, Sask. 296,9m-1010kc, 500 warts. James Richardson & Sons, Ltd. Daily ex Sun, 8:30-10:45 am, 11:55-230 pm, weather, markets, Mon. Wed. Fri, 6:30 pm, Sat, 10:12 nid, Sun, 9:30 am, 1:30 pm, Mountain.

**CJSC** 

Toronto, Can. 356.9m-840kc. 500 watts. The Evening Telegram, Saskatoon, Sask., Can. 329.5m-910kc, 250 watts. Wheaton Elec. Co. Announcer, Martha Bowes. Buily ex Sun, 11:45-1 pm, Mon, 7 pm, Tues, Wed, Thurs, Sat, 6-7 pm, Sun, 3:45-5 pm, Founded Sept.

# CJYC

Toronto, Can. 291,1m-1030kc. 500 watts. Universal Radio of Canada. Ltd. Mon, 6-12 mid. Tues, 10-12 CKAC Montreal, Que., Can. 410.7m-730kc, 1200 watts. Le Presse. Announcer, Arthur Dupont, Daily ex Sin, Sat. 4 pin, Mon, Thurs, Fri. 135 pin, Tues, Thurs, 11 am. Tues, 7 pin, 7:18, 8:20, 8:30, 9:30, 10:30, Thurs, 445 pin, Eastern

Vancouver, B. C., Cau, 410.7m-730kc, 1000 watts. Vancouver Baily Province, Announcer, W. G. Hassell, Slogan, "Canada's Western Galeway," Mon. Sat., 8:30-10:30 pm. Tues, Wel, 8:30-9:30 pm. Thurs, 8:30-9 pm. Tues, Wel, 8:30-9:30 pm. Thurs, 8:30-9 pm. Sat, 8:30-10:30 pm. Wel, 2:30-3:30 pm. Pacific.

### CKCI

# Regina, Sask, Can, 312.3m-960kc, 500 waits, Leader Pub, Co, Amounteer, A. W. Hooper, "The Onesis City of the West," Mon, Thes, Thurs, Fri. 9:45-10:30 am, 1-1:45 pm, 8-10. Wed, Sat, 9:45-10:30 am, 1-1:45 pm, Sun, 9:10 pm, Mountain

Torouto, Can. 356,9m-840kc, 500 watts. The Dominion Battery Co., Ltd. Daily ex Sun, 12:45-1:45 pm, Daily ex Sat, Sun, 10:30 am, 10:58, time; 7 am, 7:20, 7:40, exercises, Mon, 12:30 pm, markets; 34:430 pm, Tues, 34:330 pm, 6:40-1. Wed, 12:30 pm, 34:30 pm, Thurs, 2:30-4:30 pm, Fri, 11 am, 12:30 pm, markets; 34:30 pm, Sat, 7-8 pm, Sun, 3-5 pm, Eastern, Founded May 5, 1925.

### **CKCO**

Ottawa, Ont., Can. 434-5m-690kc, 100 warts, Dr. G. M. Geldert (Ottawa Radio Assn.). Announcer, Dr. O. K. Gibson. Slogans, "Ottawa's Radio Voice," "The Community Voice of Canada's Capital." Thes. 8-10 pm. Sun. 7 pm. services, 9. sacred concert. Eastern. Founded March, 1924.

# Official Wave Lengths Table

Wave lengti			Wave length	Frequency (kilocycles)	Power (watts)	Call signal	Location	Wave length	Frequency	Power	Call signal	Location	Wave length	Frequency (kilocycles)	Power (watts)	Call signal	Location	Wave length	Frequency (kilocycles)	Power (watts)	Call signal	Location
173.9 1,50 201.2 1,49	250 100	WWRLWoodside, N.Y.	1	1,370	500 500 10 500 500 25	WKBC WKBO WKBO WLBQ KGC! S KGF! S	F. Mrgn Col Coney Is.,N.Y. Mllw., Wis. Bgmham., Ala Jsy, C., N. J. N, Y., N. Y. Atwood, Ill. ian Ant., Tex. Angelo, Tex. San Ant., Tex.	220	9 1.25	1,0 15 25 25 10 25	50 WABZ 50 WADC 50 WIBK US 50 WJBB S 60 WJBB S 60 WLBI I 50 WQBA S 60 WRAW 60 WRAW	ouston, Tex. N. Orl'ns, La. Akron, O. Yitca, N. Y. Sarasota, Fla. N. O'l'ns, La. L. W'n'a, Ill. Tampa, Fla. Reading, Pa. V'g'raiso, Ind.	263	1,14	0 50 500 10 500 250 250 250 5,000 500 500	KFPW KGEK KGHF WDA( WEA) WJAZ WJBI WJBO WMBI WSEA	Car'ville, Mo. Los A., Caiff. Yuma, Colo, Hardin, Mont. Amarillo, Tex. A.N. Pinid., N.J. Mt. Prosp., Ill. Red Band, N. J. N. Orleans, La. Chicago, Ill. Va. Bch., Va.	312.3 315.6 319		15 500 500 5,000 50 50,000 1,000	CHWC CJBR CKCK CKCW CKSH CNRR KDKA KPSN,	Ch'ri'tet'n, Can. Regina, Can. Regina, Can. Regina, Can. Regina, Can. Brwmnvle., C. St. Hycnthe., C. Regina, Can. Pitts'bg, Pa. Pasad'a, Cailf.
202.6 1,48	25 50 100 100 100 100 100 100 100	WALK Will, C., Pa. WATT Boston, Mass. WCBR Prydce, R. I. WGMU N. Y., N. Y. WHBM Chicago, Ill. WIBJ Chicago, Ill. WKBG Chicago, Ill. WKBG Chicago, Ill. WKBG Chicago, Ill.			50 50 15 100 15 500 15 100	KJBS SEKRAC SEKXL POWHBU WHBW WJBK YWKBH WMBG WMBG	an Fran., Cal. shrevep't, La. streland, Ore. Anders'n, Ind. Phila., Pa. spsint., Mich. La Cr., Wis. Richmond, Va. Auburn, N. Y. Richmond, Va.			10 25 56 10 56 10 25 50 50 50	O KGCU N O KWCR O O WBBP I O WCAP O WJAM O O WJAM O O WJAM O O WJAM O O WOAN I O WOAN I	rtiand, Ore, fandan, N. D. Cedar R., Ia. Nshvie, Tenn. "tkey, Mich. Ash. P., N. J. ladison, Wis. Cedar R., Ia. Jorman. Okla., rncebg. Tenn. Trenton, N. J. Iksbg., W.Va. Toledo, O. Toledo, O.	265.3	1,130	2,000 100 100 500 500 1,000 2,500	KKP S KTSA WBES WCWS WHK WICC WNO)	Seattle, Wash. Sant Ant., Tex. To'ma P., Md. Brdgpt., Conn. Cleveland, O. Easton, Conn. K'ville, Tenn. mes. Ia. Kamloops, B.C. Kingston, Can.	322.4	930	5,000 1,000 100 500 100 500 150 2,500 500	CHNS KICK WHAS WIAS WKAQ WRHF	Lincoln. Nebr. Coun. Bluffs, la. Portland, Ore.  Halifax, Can, Atlantic, Ia. Louisville, Ky. Ottumwa, Ia. San Juan, P.R. Wash., D. C.
20214 1145	5,000 10,000	WHBN G'nsv'le, Fla.	222.1	1,350	100 50 50	KFWC KGBY C	Pomona. Cal.	241.	8 1,24		O KFKB N	filford. Kan.			500 25 50	CHGS	Kingston, Can.	329.5	910	500		Denver, Colo.  J'r'y C'y,NJ.  N. York, N.Y.
204 1.47	50 100 100 50 100 250 250 75 75 250	KGEQ Mnpls., Minn. KGES Cen. City, Neb. KGFO Tre. Hte., Ind. KGGM Ingiwd, Calif. I KHAC Ptble on 'Pine. WBBZ Chicago, Ill. WHBL Chicago, Ill. WIBS. Eliz., N. J. WIBS. Topeka, Kan.	223.7	1.340	100 100 2,000 100 100 100 100 15 100	WCBA / WCBA / WHBD I WHBF I WOMT I WQBO ( WSAN /	Raton, N. M. Kans, C., Mo. Sonta Ana, Cal. Anpls., Minn. Alient'wn. Pa. Sellefntne., O. Rock Isl., III. Mntwoc., Wis. Gulfp't, Miss. Allent'wn. Pa. Ev'r't, Wash. Girard., Mo.		8 1,230	25 29 50 10 50 50	WEBC S WEBR E WEBR E WEDC C WFCI Pa WGES C WMAL WNBX	Beach, Cal. Bmghm., Ala. uperior, Wis. uffalo, N. Y. hicago, Ill. wtucket, R.I. hicago, Ill. Wash., D. C. Spr'gfield, Vt. toenix, Ariz. ida, Mont, marillo, Tex. ey, Wash.			25 50 100 500 500 1,000 250 100 500 500 30 250	KFIZ KFLV KFWI KSBA WAAN WBAO	Unity Can. St. George St. George Midland, Can, F. du Lac, Wis. Rokford, Ili. S. Fran, Call. S. Fran, Call. Lac, Newark, Il. Altoona, Pa, Newark, N. Louisvie, Ky. Newark, N. Chistn, W.Va.	333.1	900	500 500 250 500 100 1,000 500 250 15,000 750 500	CJGC I CJWC CNRS KFJM KFQB, KSAC I KSEI I WBZ S WBZA WBZA WJAD	Saska'tn, Can, Saska'tn, Can, Can, Can, Can, Can, Saska'tn, Can, Saska'tn, Can, Gr. Fks., N.D. Ft. Wth., Tex, Manha'tn, Kan, Pocatello, Ida. Bringf'd, Mass. Madison, Wis. Waco, Tex.
	100 100	WLEN Amnerst, T. WLBN Chicago, III. WLBX L. I., N. Y. WMBA Newport, R.I. WMBH Joplin, Mo. WMBQ Brklyn, N.Y. WOBR Ohlo (Port.)			50 10 10 250	KGDP P	k, City, Ok. Jueblo, Colo. Jua City, Ia.			1.50	WCAD C	ey, Wash. ey, City, Ia. aMars, Ia. anton, N. Y. altimore, Md.	270.1	1.110	100		G'veston, Tex.	336.9	890	500		Stvns, Pt., Wis, Moncton, Can.
205.4 1,466	50	WSVS Buffalo, N. Y.  KFXY, Flagstaff, Ariz.  KGDE Barrett. Minn.  KGEO Grand Ia., Neb.  KGFF Alva, Okia,  WABF Kingston. Pa.  WKBL Monroe, Mich.  WMBD Peoria H., Ill.			50 250 500 500 15 5 10 500 50 250 25 500	WCAM C WCRW C WEBQ H WFAN I WFAN I WKAY I	A Cres., Cal. allock, Mich., selewd., Cai. Camden, N. J. Chicago, Ill. ('rrisb'g, Ill. Phila., Pa. Chicago, Ill. aconia, N. H., yrnsbo, N. C., mstn., N. Y. hicago, Ill.	245.8	3 1,220	500 1 100 1 00 1 00 2 100 2 2 50 2 50 3 50 2 50 2 50 2 50	WDOD ( WFBR B WMBC I KFH Wi KFIO Spo KFPY Sp KLS Oal	htingo, Tennalt'm're, Md betroit, Mich. chita, Kan. skane, Wash. okane, Wash. cland, Calif. kland, Calif. City. N. J. 'dh'n, N. Y. incinnati, O. r'port, N. Y.				KLDS KMBC KOAC KQV F WGST WHAD WJAS WMAZ WSOE	Ind'p'nce, Mo. K. C., Mo. Corvallis, Ore. 'ittsburgh, Pa. Atlanta, Ga. M'w'kee, Wis. P'tt'burgh, Pa. Macon, Ga. M'w'kee, Wis.	340.7	880	500 5,000 10 50 5 22½ 50 100 50 1,000 500	CHCS	Moncton, Can. L. Ang., Cajil. N'shville, Tenn. Hamilt'n, Can. Mt. H'it'n, C. Quebec, Can. Quebec, Can. Quebec, Can. Quebec, Can. Quebec, Can. Auburn. Ala. C. C., Mo. J'k'nville, Fla.
206.8 1,450	15 100 15 15 100 50 10	KGDR San Ant., Tex. KGDY Oldham, S. D. KGGF Picher, Okla. KGTT San Fr., Calif. KLIT Portland, Ore. WHPP N. Y., N. Y.	225.4	1.330	250 10 15	KFIU Jui KFKZ K KFUR F KFVG In KGEN EI WAGM R	neau, Alaska. irksvie., Mo. m'gton, Utah idpdce., Kan. Centro, Cal, lyl. O., Mich.	247.8	1,210	400 500 500 500 500 500 25	WKRC C WLB M'1 WWL N CFNB Fr	incl., Ohio. 'lis, Minn. Orleans, La. ed'rict'n,Can.	272.6	1,100	500 750 100 500 100 100 500 5,000 500 250	KFAD KFJF KSMR WBAA WFBJ WFDF WLBW WPG WRM	Phoenix, Ariz, Okla. Okla. S, Maria, Cal. W, Laf., Ind. Collegev., Minn. Flint, Mich. Oil City, Pa. tel. City, N. J. Urbana, Ill. Bay C'y, Mich.	344.6	870	100 50 5.000 5.000	KFQD KWG S WCBD WLS C	J'k'nville, Fla. C. C., Mo. Anchrg, Alas. Stockton, Cal. Zion, Ill. chicago. Ill. eattle, Wash.
208.2 1.440	50 10 50 50 50 15 250	WMRJ Jamaica, N.Y. WMRJ Jamaica, N.Y. WNBF Endicott, N.Y. WNBJ Kn'xv'e, Tenn. WPSW Phila, Pa. WTRL Midl, P., N. J. KFVD Venice, Calif.	227.1	1,320	100 100 1,000 500	WCBM B WCOT O WLAC N WMAC C	altimore, Md. dinvle., R. I. shvie., Tenn. azen. N. Y.			100 250 100 10 250 50	KFBC S, KFEL De KFJB Ma KGCA DE KOW De KWLC D	eston, Can. hilliw k, Can. Diego, Calif. nver, Colo. rashalit in, Ia. corah, Ia. nver, Colo. ecorah, Ia. Wooster, O. illa., Pa. City, S. D. ambridge, O. alesburg, Ill. hila., Pa.	275.1	1,090	50 15 500 500 1,000 3,500	KFBB KFPL KFSG WEAN WFBM WTAS	Havre, Mont. Dublin, Tex. L. Ang., Calif. Providence, R.1. Indupls., Ind. Chicago, 111.	352.7	850	500 500 500 500 500	KXA S WGBS WIP Ph WOO P	Tulsa. Okla. Seattle, Wash. N. Y., N. Y., hiladelphia, Pa. Phila., Pa. St. Louis, Mo. Detroit, Mich.
	15 100 50	KGCN C'nc'rdia, Kan. KGCR Br'k'rs, S. D. KGFJ Los Ang., Cal. WGM Jeannette, Pa. WJBZ Chgo. Hts., Ill. WJPW Ashtabula, O. WLBZ DvFxcr., Me. WMBE S. Paul, Minn. WNBA For. Pk., Ill. WRAF La Porte, Ind. WRPI Tre. Hte., Ind.			500 50 100 500	KXRO AI WAIZ AI WBBC B	inda, Ia. berdeen, Wa. ppleton, Wis. r'kl'n, N. Y.			100 100 10	WCAT R WEBE C WFBZ G	City, S. D. ambridge, O. alesburg, Ill.	277.6	1.080	500 100 750 500		B'ville, Tex. Fuscola, Ill. Detroit, Mich. E. Lan. Mich.	356.9	840	500 500	CFCA T	Toronto, Can. Toronto, Can.
	100 30 250 10	WJPW Ashtabula, O. WLBZ DvFxcr., Me. WMBE S. Paul, Minn.			100	WCLO K	ew Orl., La. Lenosha, W.s. kron, O. eveland, O.			1,000 50	WIOD M	ami B., Fla.	280.2	1.070		KTAB.	Oakl'd, Calif. Roch'er, N.Y.			500 1,000 500 500	CJBC T CJCR P CJSC T	Toronto, Can. Foronto, Can. Foronto, Can. Foronto, Can. Toronto, Can. Toronto, Can. Toronto, Can. Toronto, Can.
	200 100 100	WRAF La Porte, Ind. WRPI Tre, Hte., Ind.			100 250 500	WSDA N WSGH B	Salle. III. . Y., N. Y. r'kl'n. N. Y. hicago. III.			15 50 50 250 50	WLBT C	own Pt., Iii, aca, N. Y.	282.8	1,060	100 1,000 250	VEID	Dantland O.					
209.7 1.430	10 15 260 250 50	KFGQ Boone, Ia. KGHC Siayton, Minn. KGHF Pueblo, Colo. KSOO Sx. Falls, S. D.	228.9	1,310	250 500	KELW B	urbank, Cal.	249.9	1,200	50 50	WRRS R WTAX S	alesburg, Ill. acine, Wis, treator, Iii.			5,000 500 750	WAIU WDRC WEAO	Colo. S., Colo. Denver, Colo. Portland, Ore. Columbus, O. N. Haven, Cn.	361.2 365.6	830 820	5,000	WSAI	Hollyw'd, Cal. Cin., Ohio esno, Calif.
	250 250 50 50 10 500 100 250	KSOO Sx, Fals, S, D, KVOS B'lingham, W, KVOS B'lingham, W, KVOS B'lingham, W, WLBY Mouncie, Ind. WLBY Mouncie, Ind. WLBY Mouncie, Ind. WLBY Mouncie, Mich. WMBM Mighta, Tenn. WOKT Rehstr., N, Y, WPRC H'rr'ab'r, Pa. WRC'V Char'v'le, Va. WTFI Toccoa, Ga.			50 50 15 250 100	KPPC Pa KTAP Sa KWJJ Po WGBC M WHBP Jo WKBE W	sadena, Cal, n Ant., Tex. rrtland, Ore. lphs., Tenn. ohnst'n, Pa. rbstr., Mass. Lakel'd, Fia. dphs., Tenn. Ft. We., Ind.		1,200	50 200 100 500 50 250 50 20 100	KFJZ Ft. KFKA C KFQU H. KFRU Co KFUT So KFYR BI KMED M KZIB M WBAX W WBBY C	oria, Ore. Worth, Tex. reeley, Col. City, Calif. lumbia, Mo. t Lk. C., U. sm'k, N. D. edford, Ore. Barre, Pa. harl'ton, S. C. Barre, Pa.	285.5	1,050	2,000 50 250 5,000 500 500 250	KFAU KLCN KMMJ WBAL WCAL WDGY WJAG	Boise. Idaho Blythev'le, Ark, Clay C., Neb. Bal'more, Md. Nthfid., Minn. Mpls., Minn. Norfolk, Nebr.	370.2 374.8		500 500 1.000 1.000 1,000 1,000 500	WCSH WEBH WJJD A KHO Sp WDAF WLWL WMCA	Portland, Me. Chicago. Ill. Mooseht. III. pokane. Wash. Kan. C., Mo. New Y'k, III. Hoboken. N.J.
211.1 1.420	15 100	KPNP Muscatine, Ia.	230.6	1.300	15 1,000 15	KDLR D. KFEQ St KFPM Gr	's Lk., N.D. Jos., Mo. 'nv'le. Tex. attle, Wash.			100 50 500 50	WCAZ C	rthage, Ili. nsacola, Fla.	288.3	1,040	250	WBCN	St. Joseph, Mo. Ang., Calif. Chicago, 111, Medford, Mass.	379.5	790	500	WCAJ I	Sa, Mon., Cal. Pavenport, la. Lincoln, Nebr.
	50 100 100 250 100 50 15 250	KRSC Seattle, Wash, WBMH Detroit, Mich, WBRS Brklyn, N. Y. WCDA N. Y., N. Y. WLOE Chelsea, Mass. WMES Boston, Mass. WNBO Wash., Pa. WRST Bay Sh., N. Y.			100 250 250	WAFD DO	attle, Wash, attle, Wash, incnti., O, etroit, Mich, l'mb's, Miss. sanoke, Va. ranton, Pa. nt'g'ry, Ala. ambrg, Mass.	252	1.190	50 100 100 150 250 500 10	WREC N WSAZ H' WSIX Sp KOCW C' KPLA Lo	thps., Tenn. t'n., W. Va. sfld., Tenn. k'sha. Okla. s. A Calif.	291.1	1,030	500 500 100 150 100 100	WDBO WENR WIAD WKY O WNAT WSSH	Orlando, Fia. Chicago, Ill. Phila., Pa. kla City, Okla. Phila., Pa. Boston, Mass.	384.4	780	100	CKY W CNRW KGO Oa KTHS H WBSO B	chn'dy, N. Y.  /innipeg, Can. Win'p'g, Can. akland, Califit. Sp'gs,Ark. bban.Pk.,Mass. Mi. Bch., Fla. Miami, Fla.
212.6 1.410	10 250 250 10 50		232.4	1,290	10	KFEY, K	ellogg, Idaho			250 50 50 5,000 100 5,000	WKJC La WMBB H	nicaster, Pa. nd'pl's, Ind. O'l'ns, La. ncaster, Pa. omewood, III. ampa, Fla.			1,000 1,000	CKCX CKSM	King, Can, Foronto, Can, lea Isl'd, Can, lea Isl'd, Can, Scarboro, Can, Scarboro, Can, Toronto 'ancouver	389.4	770	500 100 5.000	WAAF (WABI B	Chicago, III. Sangor, Me. Chicago, III. Chicago, III.
214.2 1.400	250 50 250 50 50 250	KTUE Houston, Tex. WJBL Decatur, Ill. WKBP B'tle C., Mich. WRAX Phila Pa. KFEC Portland, Ore. KFIF Portland, Ore. KFWF St. Louis, Mo.			250 100 500 500 100 500	KFPR Lo. KFQZ H' KUT Aust WBRL TI WHBQ M WJKS Ga WLBH Fr	s A., Calif. lyw'd, Calif. lin, Tex. lton, N. H. 'phis, Tenn. ry, Ind. mdale, N.Y.	254.1	1,180	5,000 250 50 500 15 200 250	KFHA G	rago, III, atavia,	293,9	1,020	250	KCCH	Wayne, Neb. Hmbldt., Neb. Kalisp'l, Mont. Jouston, Tex. ew Y'k, N. Y. Paterson, N.J. Sycse, N. Y. Milw., Wis.	394.5		5,000	KOB St.	henandoah, la. Col., N. M. eattle, Wash. Shrevep't, La. Pullm'n, W'h. , York, N. Y. Cl'f's'd, N. J. Cl'f's'd, N. J.
	1.5 1.0 250 1.00	WAIT Taunt'n, Mass. WCWK F.Wayne, Ind. WJBU Lewisb'rg, Pa.			50 10	WMBJ Me WNBZ Sm WSBC Chi	onessen, Pa.			250 100 500 750	WABO ROWARD L'	rence, Kan.	296.9	1,010			Brantf'd Can.	399.8	750			Cirrs'd, N. J.  uba Civ'i'd, O.  So. Bend, Ind.
*	50 109 50		234.2 1	1,280	100	KGAK Tu	L. City, U. Louis, Mo, kson, Ariz. ma, Wash.	256.3	1,170	1.000 500 50 100								405.2	3		******	C. V. u, O.
215.7 1,390	30	KFDZ Mnpls., Minn. KFXJ Edgew'r, Colo. KGCB Okla. C., Okla. KGER Long B., Cal.			1,000 100 250	KWK St. WBBL R WCAH Co	Louis, Mo. chmd., Va. clumbus, O.			2,000 250 1,000 500	WASH G.	eley, Calif, iscatine, Ia. Rap., Mich. ville, N. Y.			500 500 100	KLZ DO KUOA WDEL WEPS	Ravenna, Neb. Jose, Calif. enver, Colo. F'ettev'le, Ark. Milm'ton Del. Clouc'er, Mass.	410.7		1.650	CFCF M	MnS. P.,Mi. ila., <sup>P</sup> a. hila., Pa iontreal Can.
	100 50 250 150 100 200 150	KGER Long B., Cal. KGFG Okla. C Okla. KRLO Los Ang., Cal. WCLS Joliet. Ill. WEHS Evanston. Ill. WHFC Chicago. Ill. WKBI Chicago. Ill. WKBI Chicago. Ill. WKBI Chicago. Ill. WLEL Lex'ton, Mass. WLEL Lex'ton, Mass. WLEV Waukeran, Ill. WQBC Utica, Miss.			100 '	WMAY St.	ma, Wash, Louis, Mo. chmd., Va. olumbus, O. Paso, Tex. xv'le, Tenn. komo, Ind. daden, Ala. olumbus, O. Louis, Mo. zmoyne, Pa. apeer, Mich.	258,5	1,160	100 500 500	KFOX Om	eston, Tex.	299.8	1.000	250 5,000 500	KFWO KMOX S WBAK	Milm'ton Dei, Clouc'er, Mass. New O., La. Dayton, O. Ashev'le, N.C.  Avalon. Calif. it. Louis, Mo. Harrisb'g. Pa. itate Col., Pa.		1	10 500 1,000 750 1,200 50 50	CFCQ V CFYC BI CHPC V CHYC M CKAC M CKFC V CKWX V	ant v' oi, urnaby dan, 'anc'v'r. Car 'dontreal, Can, fontreal, Can, 'anc'v'r, Can. Vanc'v'r, Can.
	250 250 100	WOKO Pkski., N. Y. WPEP Waukegan, Ill. WQBC Utica, Miss.	236,1 1	1,270						500 750 250 250	WEBW Be WFBL Sy WIL St. L WNAL On	lotte, N, C, loit, Wis, c'se, N, Y, ouis, Mo, laha, Neb.	302.8				L. City, Utah			,000 ]	KZRM N	Manila, P. I. Ang., Calif.
217.3 1.380	100 100 . 10	KFOR Lincoln. Nebr. KFQW Seattle. Wash. KGDM Stockton, Cal. WIBU Poynette. Wis.			500 100 50 500 250	KHMC Ha WBBW N WBNY N. WGBF EV	r'v'port, La. field, Minn. kl'nd, Calif. irl'gen, Tex. orfolk, Va. Y., N. Y. 'sville, Ind. rlstadt, N.J.	260.7	1,150	2.000 500 800	WCAU PH WCMA Co	ane, Wash. ila., Pa. ilver, Ind.	305.9	980	1,000	комо я	eattle. Wash. Froy. N. Y. hicago, Ill.		1	500 \ 1,500	WGN Chi WLIB CI	icago, Ill. hicago, Ill.
	100 100 100 500 100	WKBV Brkvle., Ind. WKBW Buffalo, N.Y		1	500 100	WMSG N, WSRO M	nton, Ohio. Y'k, N. Y. iddlet'n, O.			250	WDWF C	rnst'n, R.I. knsvle, Ky. City. Pa.	309.1	970	5,000	MIBO C	hicago, Ill.					Fran., Cal. ewark. N. J. fn. City, Mo. arrison. O. S.Dtmh.Mass.
•	100	WLBO Galesburg, Ill. WRES Outney, Mass.			250 500	WTAR No	rfolk, Va,			1,000	WOOD G.	Rap., Mich. p'lis, Minn.		_	2500 500	WABC WBOO	Fran. Calif. N. Y., N. Y. N. Y., N. Y.		(Cont	soo V inued	WMAF S	j.Dtmh.Mass. 46)

# An Evening at Home with the Listener

				IN C	ENT	`RAL	TIM	E							IN	I EAS	STEF	RN T	IME			
	1			Saturday	Sunday	Monday	Tuesday			Friday	Call	Location	-		a11 s	Saturday 9:00-10:00	Sunday 7:00- 8:00	Monday 7:15- 9:15	Tuesday	Wed. 7:00-11:00	Thursday 8:00-12:00	Friday
CKCL CKY CNRO CYH CYJ KDKA	410.7 356.9 384.4 434.9 311 400 315.6	7 730 9 840 4 780 5 690 964 750	500 500 500 250 1000 5000	9:00-11:00 7:15-12:00 6:00- 7:00- 7:30-10:30 Silent Silent 9:00-10:00	Silent 9:30-11:00 Silent	Silent 7:30-11:00 6:15- 9:00 Silent	Silent 7:15-11:30 5:40-12:00 Silent Silent Silent 9:00-10:00	Silent 8:00-10:00 6:15-11:00 9:30-11:30 9:00-10:00	Silent 8:30- 9:30 Silent 7:30- 9:00 Silent Silent 9:00-10:00	5:30- 7:30 Silent Silent Silent Silent 9:30-10:30 9:00-10:00	CKAC CKCL. CKY CNRO CYH. CYJ	Montreal Toronto Winnipeg Ottawa Monterey Mexico City Pittsburgh	296.9 1 410.7 356.9 384.4 434.5	730 780 780 690 964 750 950 50	50 7500 500 500 500 250 1000	10:00-12:00 8:15-:1:00 7:00-:8:00 8:30:11:30 Silent Silent 10:00-11:00 6:00-10:00 9:00-:3:00	Silent 3:45- 6:45 3:00- 4:00 7:00-10:00 Silent 10:30-12:00 Silent 1:00-11:15 8:00- 1:00	6:30- 8:30 Silent Silent 8:30-12:00 7:15-10:00 Silent 10:00-11:00 6:00-11:00 9:00- 3:00	Silent 8:15-12:30 6:401:00 Silent Silent Silent 10:00-11:00 6:00-10:30 9:003:00	Silent 10:30-12:30 10:00-11:00 6:00-10:00 9:00- 3:00	9:30-10:30 Silent 8:30-10:00 7:15-12:00 Silent 10:00-11:00 6:00-11:00 9:00-3:00	6:30- 8:30 Silent Silent Silent Silent 10:30-11:30 6:00-10:30 9:00- 3:00
KFAB KFDM KFH KF1 KFJF KFNF KFOA	483.6 245.8 468.5 272.6 461 447.5 241.8	8 1220 5 640 6 1100 3 650 5 670 8 1240	500 500 5000 750 2000 1000 500	5:30-10:00 Silent 7:30- 9:00 7:30- 2:00 7:00-10:00	9:00-10:00 8:00- 9:00 7:30- 8:30 3:00- 1:00 8:00- 9:00	5:30-10:15 Silent 7:30- 9:00 7:30- 1:00 7:00-10:00	5;30-10;30 8:00-10:00 7:30- 9:00 7:30- 1:00 7:00-10:00	5:30-10:30 Silent 7:30- 9:00 7:30- 1:00 7:00-10:00	Silent Silent 7:30= 9:00 7:30- 1:00 7:00-10:00	5:30- 1:00 8:30-10:30 7:30- 9:00 7:30- 1:00 7:00-10:00	KFAB KFDM KFH KFI KFJF	Beaumont. Wichita. Los Angeles Okla. City Shenandoals	483.6 245.8 168.5 272.6 461.3	620 220 640 100 650	2000	8:30- 3:00 8:00-11:00 6:00- 8:00 9:00- 2:00 9:00- 3:00 7:30- 3:00 Silent	9:00-10:00 8:30- 9:30 4:00- 2:00 9:00-10:00 7:00- 8:00 9:30-10:30 9:00- 4:00 8:00- 3:00 Silent+	Silent 8:30-10:00 8:30-2:00 8:00-11:00 6:00-8:00 9:00-2:00 9:00-3:00 7:30-3:00 7:15-8:15	8:30- 2:00 8:00-11:00 6:00- 8:00 9:00- 1:00 9:00- 3:00 7:30- 3:00 7:15- 8:15	\$30-10:00 8:30-10:00 8:30-2:00 8:00-11:00 6:00-8:00 9:00-1:00 9:00-3:00 7:30-3:00 Silent	8:30-10:00 8:30- 2:00 8:00- 2:00 6:00- 8:00 9:00- 1:00 9:00- 3:00 7:30- 3:00 7:15- 1:00	8:30- 2:00 8:00-11:00 6:00- 8:00 9:00- 3:00 9:00- 3:00 7:30- 3:00 7:15- 8:15
KFSD KFUO KFWB KFWI KGA KGO KGW	440.5 545. 361. 267. 260. 384. 491. 416.	9 680 1 550 2 830 7 1120 7 1150 4 780 5 610 4 740	500 500 500 500 2000 5000 1000 500	6:00-12:00 7:15- 8:15 8:00- 2:00 8:00- 2:30 Silent 8:00- 2:00 8:00- 2:00	2:00- 9:00 9:15-10:15 9:30-12:00 9:50- 1:00 9:50-11:30 8:30-11:00 9:30- 1:00	6:009:00 8:009:00 8:002:00 7:001:00	6:00- 9:00 6:30- 7:30 8:00- 2:00 7:00- 1:00 8:00-11:00 8:00-12:00 8:00- 1:00	6:00- 9:00 9:30-10:30 8:00- 2:00 7:00- 1:00 8:00-11:00 8:00- 2:00 8:00- 2:00	6:00- 9:00 Silent 8:00- 2:00 7:00- 1:00 8:00- 1:00 8:00- 1:00	6:00- 9:00 7:15- 8:15 8:00- 2:00 7:00- 1:00 8:00- 2:00 8:00- 2:00 8:00- 2:00	KFSD KFUO KFWB KFWI KGA KGO KGW	San Diego St. Louis Hollywood San Fran Spokane Oakland Portland Los Angeles Sibtipok	440.9 545.1 361.2 267.7	680 - 550 830 1120 1150 - 780 - 610 740 709	500 500 500 500 2000 5000 1000 500	8:15- 9:15 9:00- 3:00 9:00- 3:30	10:15-11:15 10:30- 1:00 10:50- 2:00	9:00-10:00 9:00- 3:00 8:00- 2:00	7:30~ 8:30 9:00~ 3:00 8:00~ 2:00	9:00- 3:00 8:00- 2:00	7:00-10:00 Silent 9:00- 3:00 8 00- 2 00 9:00-12:00 9:00- 2:00 9:00- 1 00 9:00- 2:00 Silent 9:00- 3:00	9:00- 3:00 8:00- 2:00
KLDS KLX KMA KMMJ KMOX KNX KOX KOIL KOIN	270. 508. 394. 285. 299. 336. 325. 319. 319.	1 1110 2 590 5 760 5 1050 8 1000 9 890 9 920 940	1500 500 1000 500 5000 5000 2000 1000	Silent Silent 6:00+ 8:30 8:00- 9:00 6:00- 1:00 9:00- 2:00 10:00-12:00 Silent	9:15-10:15 Silent Silent 8:45- 9:45 6:00-11:00 8:30-11:00 7:30- 9:45 11:00-12:00	Silent 7:30-12:00	8.00- 9:00 7:30-12:00 6:00- 8:30 8:00- 1:00 6:00- 1:00 9:00- 1:00 7:30- 9:30 6:00-12:00	Silent 7:30-12:00 5:00- 8:30 Silent 6:00- 1:00 9:00- 2:00 7:30-11:00 6:00-12:00	8:00 9:00 7:30-12:00 5:00 8:30 8:00 9:00 6:00 1:00 9:00 2:00 Silent 6:00-12:00	Silent 7:30-12:00 5:00- 8:30 8:00- 9:00 6:00- 1:00 9:00- 2:00 7:30-11:00 6:00-12:00	KLDS KLX KMA KMMJ KMOX	Independ Oakland Shenandoah Clay Center. St. Louis Hollywood Denver. Council Blfs Portland Seattle	285.5	760 1050 1000	500 1000 500 5000	Silent Silent 7:00- 9:30 9:00-10:00 7:00- 2:00 10:00- 3:00 11:00- 1:00 Silent	10:15-11:15 Silent Silent 9:45-10:45 7:00-12:00 9:15-1:00 8:30-10:45 12:00-1:00	Silent 8:30- 1:00 6:00-11:30 9:00-10:00 7:00- 2:00 9:45- 3:00 8:30-12:00 7:00- 1:00	9:00 (0:00 8:30- 1:00 7:00- 9:30 9:00-10:00 7:00- 2:00 10:00- 2:00 8:39-10:30 7:00- 1:00	Silent 8:30- 1:00 5:00- 9:30 Silent 7:00- 2:00 10:00- 3:00 8:30-12:00 7:00- 1:00	9:00-10:00 8:30- 1:00 6:00- 9:30 9:00-10:00 7:00- 2:00 10:00- 3:00 Silent 7:00- 1:00 9:00-12:30 9:00- 1:00	Silent 8:30- 1:00 4:00- 9:30 9:00-10:00 7:00- 2:00 10:00- 3:00 8:30-12:00 7:00- 1:00
KPSN KSBA KSD KSL KSO KTAB KTHS	422. 293. 315. 267. 545. 302. 227. 280. 384.	3 710 9 1020 6 950 7 1120 1 550 8 990 1 1320 2 1070 4 780	1000 500 1000 1000 500 1000 500 500	8:00- 2:00 7:30- 9:30 10:00-11:00 9:00-10:00 7:00-10:30 9:00-12:00	3:00-12:00 7:30- 8:30 8:00- 9:00 8:00- 9:00 4:15-10:00 8:30-11:00	8:00- 2:00 7:30- 9:30 10:00-11:15 6:30- 9:00 6:30-11:00 8:00-12:00	8:00- 2:00 7:30- 9:30 10:00-11:15 6:30-12:00 7:00-10:30 7:00- 9:00	8:60- 2:00 7:30- 9:30 Silent 6:30- 9:00 7:00-10:30 8:30-12:00	8:00- 2:00 6:30- 9:30 10:00-11:15 6:30- 9:00 7:00-10:30 8:30-12:00	8:00- 2:00 Silent 10:00-11:15 6:30- 9:00 7:00-10:30 8:30-11:00	KPO KPRC KPSN KSBA KSD KSL	San Fran Houston Pasadena Shreveport	422.3 293.9 315.6 267.7 545.1 302.8	710 1020 950 1120 550 990	1000	9:00- 3:00 8:30-10:30 11:00-12:00 10:00-11:00 8:00-11:30 10:00- 1:00 Silent Silent 8:00-11:00 7:00-10:30	4:001:00 8:309:30 9:00-10:00 9:00-10:00 5:15-11:00 9:30-12:00 Silent 10:45-12:15 8:30-12:00 6:00-10:15	9:00-3:00 8:30-10:30 11:00-12:15 7:30-10:00 7:30-12:00 9:00-1:00 8:30-10:00 11:00-1:00 8:30-11:45 8:00-1:30	9:003:00 8:30-10:30 11:00-12:15 7:3011:30 8:00-11:30 9:00-12:30 8:30-10:00 11:001:00 8:30-11:30 7:00-11:30	9:00-3:00 8:30-10:30 Silent 7:30*10:00 8:00-11:30 9:30-1:00 11:00-1:00 8:30-11:30 7:00-10:30	9:00= 3:00 7:30-10:30 11:00-12:15 7:30-10:00 8:00-11:30 9:30-10:00 8:30-10:00 12:00-3:00 8:30-11:30 7:00-11:30	9:00- 3:00 Silent 1:00-12:15 7:30-10:00 8:00-11:30 9:30-12:00 8:30-10:00 11:00- 1:00 8:30-11:30 8:00-11:00
WAAN WABC	234. 394. 309. 526 434. 400 1 267. 309. 238	2 1280 5 760 1 970 570 5 690 7 1120 1 970	1000 1000 500 2500 1000 500 250 250 2500 1000	6:45-12:00 8:30-12:00 9:00- 3:00 6:00-11:55 Silent 7:30-11:00 5:30- 6:30 Silent Silent	7:00-10:30 8:30-12:00 9:50-11:00 1:00-10:15 Silent 7:30-12:00 Silent	7:00-12:00 Silent 9:00-12:00 6:00-11:05 6:45- 7:00	7:00=12:00 8:30=12:00 10:00=2:00 6:00=11:05 7:30=8:30 8:20=10:00 5:30=6:30	7:00-12:00 8:30-12:00 8:451:00 6:00-11:05 Silent 7:309:00 6:00-11:30	Silent 8:30-12:00 9:00- 1:00 6:00-11:05 Silent Silent 5:30- 6:30	7:00-12:00 8:30-12:00 9:00- 3:00 6:00-11:05 Silent Silent 6:00-11:30	KWKH KWKH KYA KYW NAA PWX	St. Louis Kennonw'd. San Fran Chicago Radio Havana Newark New York Akron	234.2	1280 760 970 570 690 750 1120 970			8:00-11:30 9:30- 1:00 10:50-12:00 7:15-10:45 Silent 8:30- 1:00 Silent 3:06-11:00	8:00- 1:00 Silent 10:00- 1:00 6:00-11:05 7:45- 8:00 Silent 7:00-12:30	8:00- 1:00 9:30- 1:00 1:00- 3:00 7:00-12:05 7:45- 8:00 9:30-11:00 6:30- 7:36 Silent 8:00-11:00	8:00- 1:00 9:30- 1:00 9:45- 2:00 7:00-12:05 7:25- 8:40 8:30-10:00 7:00-12:30	Silent 9:301:00 10:002 00 7:0012:05 7:458:00 Silent 6:307:30 Silent 8:00-11:00	8:00- 1:00 9:30- 1:00 10:00- 4:00 7:00-12:05 7:45- 8:00 Silent 7:00-12:30
WAME WBAL WBAP WBBM	282. 222. 285. 499. 4 389. 256. 288	8 1060 1 1350 5 1050 7 600 4 776 3 1176	5000 5000 5000 5000 5000 1000	7:00= 2:00 Silent 7:00-12:00 5:30= 9:50 5:00-11:00 5:30-10:00	6:15-11:00 4:30- 8:00 5:00-12:00	6:15-12:00 5:00-10:00 6:00-12:00 7:00-11:00 6:00- 8:00 7:00-12:00 4:45-10:30 5:00-11:00 5:30-11:00	6:15-12:00 5:00-10:00 6:00- 9:00	6:15-12:00 5:00-10:00 6:008:30	6:15-12:00 5:00-10:00 6:00-12:00	6:15-12:00 5:00-10:00 6:009:00 7:00-11:00	WAMD WBAL WBAP	Minneapolis Baltimore. Fort Worth.	222.1 285.5 499.7	1350 1050 600	500 5000 5000 5000 1000 250 5000 500	7:15-10:30 6:30-11:00 7:00- 1:00 8:00- 3:00 Silent	7:15-12:00 5:30- 9:00 6:00- 1:00 1:00- 4:00 7:00- 8:00 5:00-10:15 1:00-10:15	7:15- 1:00 6:00-11:00 7:00- 1:00 8:00-12:00 7:00- 9:00 8:00- 1:00 5:45-11:00 6:00-12:00	7:15- 1:00 6:00-11:00 7:00-10:00 8:00-12:00 7:00- 9:30 8:00- 2:00 6:00-10:45 6:00-12:00	6:00-11:00 7:00- 9:30 8:00-12:00 7:00- 9:00 8:00- 1:00 6:14-11:30 6:00-12:30	7:15-1:00 6:00-11:00 7:00-1:00 8:00-12:00 8:00-10:00 8:01-2:06 6:00-12:00 6:30-11:30 9:00-11:00	7:00-10:00 8:70-12:00 7:00- 8:00 8:00- 1:00 6:00-11:30 6:00-12:00
WCCO WCFL WCOA WCSH WDAF WDAF WDOD WEAF WEAN	405. 483. 249. 365. 370. 288. 243. 491. 275.	2 746 6 620 9 1200 6 820 2 810 3 1040 8 1230 5 610	7500 1500 500 500 1000 500 500 500 500 50	6:15-11:00 6:00-12:00 Silent Silent 6:00- 1:00	4:10-11:00 6:30- 7:30 7:25- 8:25 6:00- 7:30 7:15- 8:15	6:30-10:00 6:00-12:00 8:00-10:00 6:15- 9:00 6:00- 1:00 8:00- 9:00	6:00-10:30 6:00-12:00 Silent 6:00- 9:00 6:00- 1:00 7:30-10:00	6:00-12:30 6:00-12:00 8:00-10:00 6:009:00 6:001:00 Silent	6:00-10:00 6:00-12:00 Silent 6:00- 9:00 6:00- 1:00 8:15- 9:35	6:00-11:00 6:00-12:00 8:00-10:00 6:00-11:00 6:00-1:00 7:15-10:30	WCCO WCFL WCOA WCSH WDAF WDBO	Minn,-St. P. Chicago Penascola Portland Kansas City Orlando Chattanoogs New York Providence Columbus	405. 2 483. 6 249. 9 365. 6 370. 2 288. 3	740 620 1200 820 810 1010	7500 1500 500 500 1000 500 500 500 500 750	8:00:11:00	7:30= 8:30 8:25= 9:25 7:00= 8:30 8:15= 9:15 7:30= 9:45 7:30= 9:30	7:15-10:00 7:00- 2:00 9:00 10:00 7:00-11:00 6:00-12:00	7:00-1:00 Silent 7:00-10:00 7:00-2:00 8:30-11:00 6:00-12:00 6:30-10:30	7:00- 1:00 9:00-11:00 7:00-10:00 7:00- 2:00 Silent 8:00-11:00 6:00-12:00 6:30-10:30	7:00- 1:00 Silent 7:00-10:00 7:00- 2:00 9:15-10:35	7:00- 1:00 9:00-11:00 7:00-12:00 7:00- 2:00 8:15-11:30 8:00-11:00 6:00-12:00 6:30-10:30
WEAO WEBH WEBJ WEMO WENR WFAA WFI WFLA WGBF	365. 256. 508. C 483. 288. 545. 405. 516.	.6 820 .3 117 .2 59 .6 62 .3 104 .1 55 .2 74 .9 58	500 500 500 1000 500 500 500 500 750	7:00- 2:00 Silent 5:00-10:00 Silent 6:00-12:00 7:00-12:30 5:30-10:45	4:30- 9:00 Silent 12:00- 9:20 7:30-10:30	7:00-10:15 Silent 5:00-10:35 10:00-11:35 6:00-12:00 7:00-10:00 6:15-7:15 6:30-11:00	7:00-10:15: 6:00	7:00- 1:00 6:00- 8:00 5:00-10:45 Silent 6:00-12:00 8:30-10:30 6:15- 7:15	7:00-10:15 Silent 5:00-11:15 Silent 6:00-12:00 7:00-10:00 6:15-11:00	7:00-11:00 6:00- 8:00 5:00-11:00 Silent 6:00-12:00 7:00-10:00 6:15- 7:15 6:30-11:00	WEBH WEBJ WEEI WEMC WENR WFAA WFI	Chicago New York Boston Berrien Spg Chicago Dallas Philadelphia Clearwater Evansville New York	365.6 256.3 508.2 483.6 288.3 545.1 405.2 516.6	820 1170 590 620 1040 550 740 580	500 500 1000 500 500 500 750 250 500	Silent Silent	Silent 1:00-10:20 8:30-11:30 10:30-12:00	5ilent 6:00-11:35 11:00-12:35 7:00-11:00 8:00-11:00 7:15-8-15 7:30-12:00 8:00-1:30	0:00-11:45 Silent 7:00- 1:00	6:00-11:45 Silent 7:00- 1:00	8:00-11:15 Silent 6:00-12:15 Silent 7:00-1:00 8:00-11:00 7:15-12:00 7:03-12:00 Silent 5:30-12:00	6:00-12:00 Silent 7:00-11:00 8:00-11:00
WGHI WGN WGR WGY WHAS WHAS WHB WHB WHN	P 277 416 302 379 322 305 340 265 394	.6 108 .4 72 .8 99 .5 79 .9 93 .9 98 .7 88 .3 113	750 500 750 50000 5000 500 500 500 500	Silent 7:00-11:00 6:30- 9:00 5:30-11:00	8:00-11:30 7:00-11:00 4:30- 9:15 6:20- 9:15 Sitent 7:00- 1:00 3:30- 8:30 12:00-11:30	5:00-10:00 7:00-11:00 7:00-11:00 5:00-10:00 7-30, 0:30	5:00- 9:00 7:00-11:00 5:30-11:30 5:00-12:00 6:30- 9:30 Silent 7:00-10:00 5:00-11:00	5:00-10:00 7:00-11:00 5:15-11:00 5:00- 9:30 6:45-10:30 Silent 7:00- 8:00 5:00-11:00	5:00- 9:00 7:00-11:00 5:30-10:30 5:00-11:30 7:00-10:00 Silent	5:00-10:00 7:00-11:00 7:00-11:00 5:00-10:00 7:30-10:00 Silent 7:00- 8:00 5:00-11:30	WGHP WGN WGR WGY WHAS WHAZ WHB	Detroit. Chicago. Buffalo. Schenectady Louisville. Troy. Kansas City Cleveland. New York. Des Moines	277.6 416.4 302.8 379.5 322.9 305.9 340.7 265.3	1080 720 990 790 5 930 980 880 1130	750 500 750 500 500 500 500 500 500 500	7:30-10:00 6:30-12:00 7:50-10:00 Silent	3:30-10:45 7:20-10:15 Silent	8:00-12:00 8:00-12:00 6:00-11:00 8:30-10:30 8:00-12:00	8 00-12:00 6:30-12:30 6:00- 1:00 7:30 10:30 Silent	8:00-12:00 6:15-12:00 6:00-10:30 7:45-11:30 Silent	6:00-10:00 8:00-12:00 6:30-11:30 6:00-12:30 8:00-11:00 Silent 8:00-11:00 6:00-12:00 7:30-12:00	8:00-12:00 8:00-12:00 6:00-11:00 8:30-11:00 Silent
WHT WIBO WIP WJAR WJAX WJAZ	305 305 348 483 340 263 365 440 454	5.9 98 5.9 98 6.6 62 0.7 88 6.6 62 0.7 88 114 6.6 82 0.9 68	0 5000 5000 500 0 500 0 1000 0 5000 0 1000 0 5000 0 40000	8:30-12:00 7:10-12:30 6:00-11:00 6:459:00 6:30-10:00 7:00-11:00 5:00-11:30 5:00-11:30	8:30-10:00 7:10-12:30 9:05-10:00 5:30- 9:15 5:00-10:01 7:30- 9:3 6:30-10:13 12:00- 9:3 12:00- 9:3	Silent Silent Silent 6 30- 9:30 5:45-11:10 Silent 6:00- 1:00 5:00-11:00 6:30- 8:00	8:30-10:00 7:10-12:30 6:00-11:00 6:00-9:30 6:00-10:00 7:00-11:00 6:00-11:00 5:00-11:00 5:00-11:00	8:30-10:00 7:10-12:30 Silent 6:30- 9:30 Silent 7:00-11:00 6:00-12:00 5:00-11:00 6:00- 8:00	8:30-12:00 7:10-12:30 6:00-11:00 6:309:00 5:15-11:00 9:30-10:30 6:00-1:00 5:00-11:00 Silent	8:30-12:00 7:10-12:30 Silent 7:00-10:00 5:45-11:00 7:00-11:00 6:00-1:00 5:00-11:00 5:00-8:00	WHT WIBO WIP WJAR WJAX WJAZ WJAZ WJJD WJR WJZ WKAQ	Chicago. Mooseheart Detroit New York. San Juan.	483.6 340.7 263 365.6 440.9 454.2 322.4	980 860 620 880 140 820 680 660 930	1000 5000 10000 500	9:30- 1:00 8:10- 1:30 7:00-12:00 7:45-10:00	9:30-11:00 8:10- 1:30 10:05-11:00 6:30-10:1	Silent Silent Silent 7:30-10:30	9:30-11:00 8:10- 1:30 7:00-12:00 7:00-10:30	9:30-11:00 8:10- 1:30 Silent 7:30-10:30	9:30-1:00 8:10-1:30 7:00-12:00 0 7:30-10:30 6:15-12:00 10:30-11:30 7:00-12:00 1 6:00-12:00 Silent	9:30 1:00 8:10- 1:30 Silent 8:00-11:00 6:45-12:00
WKRO WLIB WLIT WLS WLW WLW WMA WMA	C 245 225 416 405 344 428 L 370 K 545 Q 447 B 252	5.8 122 5.4 133 6.4 72 5.2 74 4.6 87 8.3 70 0.2 81 5.1 55 7.5 67 2 119	0 500 0 1000 0 5000 0 5000 0 5000 0 5000 0 1000 0 750 0 1000 0 5000	5:00-11:00 7:00- 9:00 11:00-12:30 6:30- 7:30 6:00- 1:00 6:00- 1:00 5:00- 7:00	6:00-12:00 9:15-10:13 1:00-12:30 1:00-3:00 6:00-7:51 5:30-9:1 7:00-8:00	5:00- 1:00 7:00- 9:00 11:00-12:30 6:30-10:00 6:00-12:00 6:00-11:00 5:00- 7:00	5:00-11:00 9:00-12:00 11:00-12:30 6:30- 7:30 6:00- 7:55 6:00-11:00 5:00- 7:00	5:00- 1:00 8:00- 9:0 11:00-12:30 6:15-10:30 6:00-12:00 6:00-11:00 5:00- 7:00 5:15-11:00 6:00- 1:00 7:00-10:30	7:00-9:00 9:00-12:00 11:00-12:30 6:30-7:30 6:00-7:55 6:00-4:00 5:00-7:00 5:15-11:00 6:00-1:00 7:00-10:30	8:00-10:00 Sile tt 11:00-12:30 6:30-11:00 6:00-12:00 6:15-11:00 5:00-7:00 5:30-11:00 6:00-1:03 7:00-10:30	WKRC WLAC WLIB WLIT WLS WLW WLWL WMAK WMAC	Cincinnati. Nashville. Chicago. Philadelphis Chicago. Cincinnati. New York. Lockport Chicago. Chicago. Memphis.	252	1190	500 1000 5000 5000 5000 5000 1000 750 1000 5000	8:00-10:00	10:15-11:13	8:00-10:0	1 10:00- 1:00	8:00-10:0	9 8:00-10:00 1 10:00-1:00 1 2:00-1:30 1 7:30-8:30 1 7:00-8:50 1 7:00-12:00 0 6:00-8:00 0 6:15-12:00 0 7:00-2:00 0 7:00-11:30 0 8:00-10:00	Silent
WMC WNAG WNAG WOAL WOAL WOC WOI WOK WOO	A 370 C 461 C 520 I 495 N 235 37- 265	6.9 58 0.2 81 1.3 65 6 57	0 500 0 500 0 500 0 500 500 500 500 500	5:00-11:15 5:00-11:00 5:00- 9:35 Silent Silent	5:00-12:00 2:00-10:00 5:009:3 7:308:3 9:00-10:0	5:30-12:30 5:00-11:00 5:00- 9:35 7:00- 8:00	5:00-11:00 5:00-11:00 5:00- 9:35 9:00-10:00 9:00-10:00	5:00-12:30 5:00-11:00 5:00- 9:35 9:00-10:00 9:00-10:00	5:30-12:00 5:00-11:00 5:00- 9:35 9:00-10:00 9:00-10:00	5:30-11:00 5:00-11:00 5:00-9:30 9:00-11:00 9:00-10:00	WMCA WNAC WNYC WOAI WOAN	New York Boston New York	370.2 461.3 526 499.7 g 239.9 374.8 265.3 252 a 348.6	810 650 570 600 1250 800 1130 1190 860	500 500 500 5000 5000 5000 2500 5000	6:00-12:15 6:00-12:00 6:00-10:35 Silent	6:00-1:0 3:00-11:0 6:00-10:3 8:30-9:3	6:30- 1:3 0 6:00-12:0 5 6:00-10:3 0 8:00- 9:0	0 6:00-12:00 0 6:00-12:00 5 6:00-10:35 0 10:00-11:00	6:00-1:3 6:00-12:0 6:00-10:3 10:00-11:0	6:30-1:00 6:00-12:00 6:00-12:00 6:00-11:00 10:00-11:00 8:00-11:00 8:30-9:30 10:00-1:30 5 7:30-8:30 8:00-10:00	6:30-12:00 6:00-12:00 6:00-10:30 10:00-12:00
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WSK WSM WSU WTA WTA WTI WTI WWW	C 27 I 33 IB 29 I 47 G 51 M 39 C 53 IJ 29 J 35	2.6 11 6.9 8 6.9 10 5.9 6 6.9 5 9.8 7 35.4 5 33.9 10	00 250 90 5000 10 500 30 500 80 250 50 3500 60 500 20 1000	10:00- 1:00 7:00-11:30 8:30-10:30 6:00- 7:00 6:00-10:00 5:00-11:00	Silent 6:20- 9:1 0 Silent 0 9:00-10:0 0 3:00- 8:1 0 2:00-10:1	8:00-10:00 5:30-11:00 8:30-10:30 0:00-12:15 6:5:30-9:30 5:500-11:30	Silent 6:45-11:00 Silent 6:00- 8:00 5:30- 9:30 5:00-11:00	8:00-10:00 7:15-11:30 8:30-10:30 6:008:00 5:309:30 5:15-10:00	Silent 6:15-11:00 8:30 10:36 6:00- 8:06 5:30- 9:36 5:00-11:06	Silent 8:00-10:0 Silent 6:00- 8:0 5:30-10:0 5:30-11:0	WSKC WSM WSME WSUL WTAC	Bay City	272.6 336.9 296.9 475.9 516.9	630 580 750	250 5000 500 500 250 3500	11:00- 2:00 8:00-12:30 9:30-11:30	Silent 7:20-10:1 Silent	5 9:00-11:0 7:30-12:0 9:30-11:3	Silent 7:45-12:0 Silent	9:00-11:0 8:15-12:3 9:30-11:3	0   0:00   2:00   2:00   2:00   7:15   12:00   9:30   11:30   7:00   9:30   10:30   0:30   10:30   0:30   11:00   0:30   0:30   1:00   0:30	Silent 9:00-11:00 Silent

Wave length	Frequency	Power	signal Location	Wave length	Frequency (kilocycles)	Power (watts)	Catl Location	Wave Jength	Frequency	Power		Location	Wave length	Frequency (kilocycles)	Power (watts)	Call Location	Wave fength	Frequency (kilocycles)	Power (watts)	Call Location
434.5	690	1,800 250 100 1,000		454.3 461.3		40,000 2,000 500	WJZ Bo'nd Br'k, N.J. KFNF Shenand'h, Ia. KRLD Dallas, Tex,	483.6	620	500 500 250 1,500	WCFL (	Larmie, Wyo. Beaum't, Tex. Vermillion, S.D. Chicago, III.	508.2	590	500 1	KLX Oakland, Cal. WEEI Boston, Mass. WOW Omaha, Neb.	526	579	500	KFKX Chicago, Ill. KMTR Los Ang's.Cal. KYW Chicago, Ill. WNYC N. Y. N. Y.
440.9	660		CNRO Ottawa, Can. NAA Radio, Va. KFSD S. Diego, Cal. WAAW Omaha, Neb.			500 500 500 500 500	KUOM Missula, Mont. WBIS Boston, Mass. WCAE Pittsb'gh, Pa. WNAC Boston, Mass. WRR Dallas, Tex.			1.000 500 100 500	WJAR WLTS	B'r'n S., Mich. P'vid'ce, R. I. Chicago, III. Col. Sta., Tex,	516.9	580	250 500	CHCY Edm'nt'n, Can. CHMA Edm'nt'n, Can. CJCA Edm'nt'n, Can. CKUA Edm'nt'n, Can,	535.4	560	500	KFBK Sacram'to, Cal. WCAC Mnslld., Com- WHO Des Moines, Ia- WTIC Hartford, Conn.
		50		468.5	640	5.000 500	KFI Los Angeles, Cai, WRC W'shing'n, D.C.	491.5	610	1,000 50.000	KGW P	ortland, Ore, N. Y., N. Y.			500 750 ·	CNRE Edm'nt'n, Can. WFLA Cirwtr., Fla.	545.1	\$50	500 1,000 500	KFDY Br'k'gs, S, D. KFUO St. Louis, Mo. KSD St. Louis, Mo.
447.5	670	1,000	KFOA Seat., Wash, WMAQ Chicago, Ill, WQJ Chicago, Ill,	475,9	630	500 500 1.000 500	CFCT Victoria, Can. GJGX Yorkton, Can. WSB Atlanta, Ga, WSUI Iowa City, Ia.	499.7	600	250 5,000 5,000	WBAP	r'q's F'ls, Can. Ft. Worth, Tx. San Ant., Tex.			750 250	WMC Memphis, Tenn. WSUN St.Ptsbg., Fla. WTAG Wrcstr., Mass. WWVA W'l'g, W.Va.			250 500 750 500	WDAY Fargo, N. D. WFAA Dallas, Tex WMAK Lockport, N. Y. WPTF Raleigh, N. C.

CKCR

Canada (Continued from Page 43)

Ont., Can. 257.7m-1120kc. 25 watts ckcv

P. Q. 340.7m-880kc. 100 watts.

CKCX

Toronto, Ont. 291.1m-1030kc. 1000 watts. International Bible Students' Assn. Tues, Fri, 8-10 pm. Sun. 9:30-11 am. 1:30-3 pm, 8:15-9:15, 10:15-11:15.

CKFC

Vancouver, B. C., Can. 410.7m-730kc. 50 watts. United Churches of Canada.

**CKGW** 

wmanville, Ont., Can. 312.3m-960kc. 5000 watts oderman & Worts, I.td.

CKLC

Fed Beer, Alta. 356,9m-840kc. 1000 watts, Pacific tirain Co., Ltd. Daily ex Sun, 12 m, news, weather, markets, Daily ex Sat, Sut pm, news, markets; 8, studio program. Mon Pri, 1930 pm. Sun, 11 am, 7-4n pm, service.

CKMC

()nt. 247.8m-1210kc. 5 watts, R. L.

Toronto, Ont., Can. 356.9m-840ke. 500 watt l'anadian National Carbon Co., Ltd. Announce Edd. J. Stafford. Mon, Thurs, 9 pm. Easter Founded May 2, 1924.

CKOC

Hamilton, Ont., Can., 340.7m-880kc, 50 watts Wentworth, Radio Supply Co., Ltd., Announcer, 1. Moore, Slo⊈an, The Voice of Hamilton, Mon, Wed, Fri, 11 am, 12:15 m. Thurs, 6-8 nm 10:30-12. Sat, 12-2 mm, 5-7, 11-12. These Thurs, 4:30 pm, stocks Mon, Wed, Fri, Sat, 1 pm, Eastern

**CKPC** 

Preston, Ont. 247.8m-1210kc. 7½ watts. Wallace Russ. Mon. Fri, 8-11 pm. Sun. 11-12:30 pm. 3-4:30. Eastern.

**CKPR** 

nd, Ont. 267.7m-1120kc. 50 watts. E. O. Tues, Weil, Fri, 12:15 pm, news, weather music; 6:15, news; 6:30, nusic. Thurs, 12:15 2:30, 6:15, 7:30, 8, 8:15, Sat. 10:45 am, 11.

CKSH

St. Hyacinthe, P. Q. 312.3m-960kc. 50 watts. City of St. Hyacinthe.

CKSM

Toronto, Ont. 291.1m-1030kc. 1000 watts. St. Michael's Cathedral,

**CKUA** 

Edmonton, Alta. 516.9m-580kc. 500 watts. U. Alberta. Autouncer, Harold P. Brown. Mon. 4 pp. 16.30, children; program; 8:20, colleges; 8:45, lecture; 9, featurillings, pp. 16.30, children; program; 8:20, colleges; 8:45, lecture; 9, featurillings, pp. 16.000, pp. 16.30, feature program; 8:20, colleges; 8:45, lecture; 9, featurillings, pp. 16.30, feature programs and pp. 16.30, feature pp. 16.30, featur

CKWX

Vancouver, B. C. 410 7m-730kc, 100 watts, Spark Compan). Autonomeer, H. W. Paulson, Daily e-Sun, 11-12, n. 4,305-530, pm, 6-7-50, Wed, 9-30-1 nid. Thurs, 11-12 mid. Fri. 9-10(30) pm. Sat 11:30-1 am. Pacific.

CKY

Winnipeg, Man., Cap. 384.4m-780kc, 500 watts. Manitoba Tel System, Amounteer, F. E. Rutland, Stoggan, Manitoba's One Nation, Haily ex Sun, 10:50-11 am, 12-125 pm, 3-4-30, 8:30, 9. Wed, Sat, '0-11 pm, CNRW, Central.

CNRA

Moneton, N. B., Can. 336,9m-890ke, 500 watts Canadian National Railways, Announcer, W. V. Leorge, Slogan, "Voice of the Maritimes," Daily ex Sim, 2:30-4 pm. Tues, Fri. 9 pm. Atlantic. orge, Slogan, Sim, 2:30-4 pm, arted Nov. 8, 1924,

 $\mathsf{CNRC}$ 

Canadian National Railways, Mon. Thurs, 9:30-10:30 pm. Mountain.

Edmonton, Alta, Can. 516.9m-580kc, 500 watts. Canadian National Railways, Mon, 10:30-12 mid. Fri, 10:30-12 mid. Mountain.

CNRM

Iontreal, Que., Cau. 410.7m-730kc. 1.000-1.656 atts. Canadian National Railways. Announcers. S. McArthur, J. T. Carlyle, T. A. Marion, Thurs. 30 pm. Eastern

**CNRO** 

n. 434.5m-690kc. 500 watts, Canadian ilways, Announcer, A. W. Ryan, Dolly -3 pm, time; 3-4:30, music. Mon. Thurs, Eastern. On the air Feb. 27, 1924.

ity, Can. 340.7m-880kc. 100 watts. C, N. 8:30 pm

CNRR

Regina, Sask., Can. 312.3m-960kc. 500 watts. Camadian National Railways. Tues, 8-10 pm. Moun-tain

Landian National Railways, Daily, 2:30-3:30 pm

CNRT

Turinto Ont, Can. 356 9m-840kc. 500 watts under National Railways. Announcer F. W. Jackson, Fr. 8 pm. 4-11. Factor first broad and as 15. 15.

**CNRV** 

Vancouver, Can. 291.1m·1030kc. 500 watts. Canadian National Railways. Announcer, G. A. Wright. Daily ex Sar. Sun. 10-11 m. Mon. Wed. 10-11 hm. Tues. 9-12:45 am. Thurs. 10-11 hm. Fri. 9-11 hm.

**CNRW** 

Winnipeg, Man., Can. 384.4m-780kc, 500 watts. Canadian National Railways. Announcer, R. H. Roberts, Mmt. Tues, 6:30 pm, Wed, 10 pm. Thurs, Fri. 6:30 pm. Sun, 9 pm, Central.

Cuba

PWX

Havana, Cuba, 409m-750kc, 500 watts, Cubai Telephone Co. International Tel. and Teleg. Corp Wed. Sun, 8:30 pm, music, Eastern.

2CT Hayana, Cuha. 350ni-855kc. 50 watts. Casimiro

2FG ey, Cuha. 200m-999.4kc. 20 watts. Alberto

2GF

2HP Havana, Cuba, 205m-1460kc, 200 watts. Cristina W. Vda, Crucet,

2JF 2JT

vana, Cuba. 46m-650ke. 5 watts. Jose A. Terry. 2JL

ia, Cuba. 294m-1020kc. 5 watts. Jose Leiro 2MA

2MF

ga, Cuba. 100m-299kc, Moises Ferna 2MG

Cuba. 284m-1055kc. 20 watts. Manuel Y.
Saias Music Store. Announcer, Roger
Daily 3-4 pm, inusic. One day each week,
Eastern. Havana, Guillerin Morales,

2MK

85m-349kc. 100 warrs. Havana, Waters. 2MU

Havana. Munis. Cuba. 265m-1330kc. 10 watts. Uniand

**20K** 360m-833kc. 100 watts, Mario

2OL

Havana, Cuha. 257m-1170kc. 100 watts.

Havana, Cuba. 315m-950kc. 100 watts, Raoul Karman, Casa De La Porte.

Havana, Cuha. 270m-1110kc. 20 watts. Ramirez,

2UF

Havana, Cuba. 355m-844kc. 20 watts. Roberto E. Ramirez,

2XA

Cuba, 230m-1300kc, Lectiona Music Co.

2XX

Havana, Cuba. 225m-1333kc, 5 watts. Antonio A

5DW

Matanzas, Cuba. 270m-1110kc. 100 watts. Ramor Sarria Calderon. 5EV

Colon. Cuba. 360m-833kc. 5 watts. Leopoldo V. Fikueroa. Sun. 9-11 pm. Eastern.

Cienfuegos, Cuba. 260m-1153kc. 200 watts. Jose **6EV** 

Caibarien, Cuba. 250m-1200kc, 50 watts. Maria Josefa Alvarez. Daily, 10:30 pm.

6KC Cienfuegos, Cuha. 240m-1250kc. 10 watts. Carlo Hernaudez.

6KP Sancti Spiritus, Cuba, 195m-1540kc. 20 watts. Antonio Galguera,

6KW

Tuinneu, Cuba. 340m-880kc. 100 watts. Frank H. Jones. Slokan, "If You Hear the Koo of the Cuckoo You Are in Tune With Tuinucu." Daily 11:30-12:15 am. Eastern.

6LO

Caibarien, Cuba. 325m-920kc. 250 watts. Mauuel A Alvarez.

6RG

6X.I

Tuint u. Cuba 278m-1080kc 100 watts. Frank H

6YR

aguey. Cuba. 200m-1500kc. 20 watts. Diego

**7AZ** Camaguey, Cuba. 225m-1333kc. 10 watts. Pedro Nogueras,

Mexico

**CYA** 

Mexico City, Mex. 265m-1130kc. 500 watts. Mon. Fri, 6:45-8 pm. Sun, 4-6 pm. Partido Liberal Avanzado. Mexican.

CYB

Mexico City, Mex. 270m-1110kc. 500 watts. Buen, Tono. Tues, Thurs, Sat. 7:30-9 pm, con Mexican.

CYF

Oaxaca, Oax., Mex. 270m-1110kc. Federico Zor-rilla. "The Voice from South of Mexico." Tues Thurs, 7-8 pm. Sun, 8:30-10 pm. Mexican.

CYG

Mexico City, Mex. 300m-1000kc, 1000 watts. Secretara de Guerra y Marina.

CYH

Monterey, Mexico, 311m-964kc, 1000 watts, Tar-nava & Cia, Slogan, "The Industrial Center of the Mexican Republic," Daily ex Sun, 7:55-8-10 pm. Wed, Fri, 8:30-10 pm. Sun, 8-10 pm. Mountain.

**CYJ** 

fexico City, Mex. 410m-730kc. 1000 watts. Gen-ral Electric Co. Daily ex Sun, 8 pm. Mountain, CYL

Mexico City, Mex. 480m-625kc. 500 watts. I Casa det Radio. Announcer, tieorge Marron. Sl gan, "The Land of Kernal Summer." Daily o Sun, 1:30-2 pm, weather, financial reports, musi Vuez, Fri. 8-0:30 pm, churc

**CYR** 

tlan, Sin., Mex. Rosseter Y Cia.

**CYX** 

Mexico City, Mex. 333m-900kc. 500 watts. Ex-celsior & Revista de Revistas. Announcer. Rafael Hermandez dez Dominguez. Slogan, "Land of the Aztecs." Mon. 8-9:30 pm. Mexican. CYZ

Mexico City, Mex. 400m-7501c. Liga Central Mexicana de Radio, Mexican,

CZA Mexico City, Mex. 70-500-1070 meters. Aviation Dept. War Ministry. Announcer, Ricardo S. Bravo. Daily, 12:30-1 bin, time, weather, news; 6:30-7:30, time, markets, music. Mexican.

VOICE OF READERS

Nash Official Writes

Mash Official Writes

The purpose of this letter is to indorse
the editorial written in your January issue
of "Radio Digest" on the subject of placing
chain programs on one band.
Of course, we all expect that eventually
the Federal Trade Commission will break
the strangle hold which the National
Broadcasting Company and its associates
now have on the Radio industry. In the
meantime, however, conditions are far
from ideal. meantime, from ideal.

isn't any question but that the There isn't present chain present chain programs are harmful to the sale of Radio sets. The writer has had his present set for several years and wants to purchase a new one. It will not be

purchased, however, until the chain programs remove the present wall that they have now erected to exclude the programs of smaller stations.

The average listener dislikes to have a program thrust upon him. He wants to select his own program, and sooner or later the National Broadcasting Company will discover this. will discover this.

will discover this.

So, we say keep up the good work that you have been carrying on in your editorial columns because there are thousands of listeners in favor of your attitude.

C. F. BORKENHAGEN, Kenosha, Wis,

Nail You at the Next

Regarding your editorial "Put the Chain on One Band" it's easy to tell you why the commission doesn't—and probably wor't. First: The Radio Commission has been dominated by the R. C. A. crowd. Their placing of chain stations on cleared wave bands, and giving those stations high power, is self evident of that fact. Second: If all the chain stations are put on one band when broadcasting the same program they couldn't get anywhere near as much money from the sponsors of that program because the listeners would ind an alportunity to wander away to other stations tunity to wander away to other stations that they cannot hear now. As it is, if they lose you at one station they know they can nall you at the next. They can they lose you at one station they know they can nail you at the next. They can now tell Mr. Sponsor that the listener must hear the program or else shut off the set and go to bed. So don't expect the commission to follow your advice until they get a new boss—the Public.

B. MULHAUSER,
Rock Island, Ill.

Backs Vega Petition

Backs Vega Petition
I thoroughly agree with the views of the Vega, Texas, folks that all chain stations be put on a separate wave length. I don't like the idea of being forced to listen to their commercial programs although they are convenient if it comes to broadcasting a President's speech. Perhaps the people will soon realize the increasing need of more thoughtful legislation on Radio broadcasting. I thoroughly enjoy your magazine and your views on the different problems that arise.

EDWAND SCHULTZ.
Oakdale, Wis.

Oakdale, Wis.

Lincoln Lawyor Pleads Service

JUST a word to highly commend your
position taken with regard to the chain
programs. It is certainly only just and
fair that each program be confined to one
wave length and that no single program
be permitted to use all the dial. The
chain programs are good in their place,
but more real service is rendered to the
community by the local strong independent
farm stations.

Keep up the good work.

T. R. P. STOCKER,
Lincoln, Neb.

Lincoln, Neb



CLOVERLEAF MFG. CO. Canal St. Chicago, III.

RAISE BELGIAN HARES



C. F. HOLMES, Chief Engineer, Dept. R.D. Independent Electric Works
5116 Ravenswood Ave. Chicago, Ill.

FREE BOOK-Just Out

-SAVE 60% ON DIAMONDS

Import unmounted diamonds from Mexico-have them mounted by jeweler—save 60% of usus cost. We sell only genuine diamonds. U. Se customs appraisal is proof of value. Sent C. O. D. No money in advance. Write for price list Write for price list

Block Hermanos, Dept. 13-A, Bolivar 15, Mexico City, Mex.

# STATE AND CITY INDEX

Alabama	Illinois (Continued)	Minnesota	North Carolina
City Call Meters Kc. Watts AbburnWAPI 340.7 880 1,000  BirminghamWBRC 241.8 1.240 250  WKBC 218.8 1,370 10  CadsenWJBY 234.2 1,280 50  Montgomety .WIBZ 230.6 1,300 15	City Call Meters Kc. Watts WMBB 252 1.190 5.000 — — — WMBB 253 1.140 5.000 — — — WOK 252 1.190 5.000 — — WPCC 223.7 1.340 500 — — WQJ 447.5 670 500 — — WSAX 204 1.470 100 — —	City Call Meters Kc. Watts  BarrettKGDE 205.4 1,460 50	City Call Meters Kc. Watts AshevilloWWNC 296.9 1,010 1,000
Arizona FlagstaffKFXY 205.4 1.460 25	WSBC 232.4 1.290 500 — — WSBC 237.51 1.090 3.500 — — WTAS 275.1 1.090 3.500 — — Chi. Heights WJBZ 208.2 1.440 100 — — Decatur — WBBA 267.5 1.120 100 — — Evanston — WEHS 215.7 1.390 200 — — Forest Park WBBA 208.2 1.440 200 — — Galesburg — WFBZ 247.8 1.210 50 — — —	WCCO 405.2 740 5.000 — — — WGMS 285.5 1.050 500 — — — WGMS 285.8 1.220 500 — — — WHDI 245.8 1.220 500 — — — WLB 245.8 1.220 500 — — — WRHM 260.7 1.150 1.000 — — — WRHM 285.5 1.050 500 — — — WCAL 285.5 1.050 500 — — —	Aneta KGFN 199,9 1,500 500
Arkansas  Blytheville .KLCN 285.5 1.050 50	WKBS 217.3 1,380 100 — — WLBO 217.3 1,380 100 — — WLBO 217.3 1,380 100 — — WRAM 247.8 1,210 50 — — ULBO 222.7 1,340 15 — — ULBO 215.7 1,380 150 — — WKLS 215.7 1,380 150 — — — WKLS 215.7 1,380 150 — — — WKLS 215.7 1,380 150 — — — — WKLS 215.7 1,380 150 — — — — WKLS 215.7 1,380 150 — — — — — — — — — — — — — — — — — — —	Slayton KGHC 209.7   1,430   15     St. Cloud, WFAM 252   1,190   10     St. Paul KSTP 222.1   2,000   250     WMBE 208.2   1,440   10     Sihtipok KIAF 422,3   710   500     Mississippi	Ohio  AkronWADC 238 1.260 1.000
Berkeley KRE 258.3 1.170 100	Peorla WMBD 205.4 1,460 250     Quincy WTAD 236.1 1,270 250     Reckford KFLV 267.7 1,120 100     Rock Island WHBF 247.8 1,120 150     Springfield WCBS 209.7 1,430 250     Streator WTAX 247.8 1,210 50     Streator WTAX 247.8 1,210 50	ColumbusWCOC 230.6 1.300 250 — — — GullportWQBO 222.1 1,350 15 — — — UtlcaWQBC 215.7 1.390 100 — — — Missouri  C. Girardesu .KFVS 223.7 1.340 50 — — — CarteryilleKFPW 255 1.140 50 — — —	CincinnatiWAAD 230.6 1,300 25
KMIC 223.7 1.340 250 — — La Creacenta KGFR 223.7 1.340 250 — — Long Beach .KFON 241.8 1.240 500 — — Los Angeles 243 400 5.000 — Los Angeles 243 400 5.000 — KFFR 242.3 400 5.000 — KFFR 252.3 1500 500 — KFFR 252.3 1500 500 — 2500 —	Tuscola WDZ 277.6 1.080 100 Urbana WRM 272.6 1.100 500	ColumbiaKFRU 249.9 1.200 500 — — — — — — — — — — — — — — — — —	Columbus WAIM 399.8 750 3,500 — — — — — — — — — — — — — — — — — —
KGEF 263   1,140   500	Anderson WHBU 220.4 1.360 155	WLBF 209.7   1,430	Middletown     WSRO     236     1.270     100     —       Springfield     .WCSO     256.3     1.170     500     —       Steubenville     .WIBR     249.9     1.200     50     —       Toledo     .WTAL     239.9     1.250     250     —       Wooster     .WABW     247.8     1.210     50     —       Youngstown     WKBN     214.2     1.400     50     —   WMBW 214.2 214.2 1,400 50
Oakland KFUS 256.3 1.370 50	ladianapolis. WFBM 275.1   1.090   1.000       WKBF 252   1.190   250       Kokomo WKBF 254.2   1.280   350       Laport WLBC 258.2   1.280   50       Laport WLBC 258.7   1.430   50       South Bend. WSBT 399.8   750   500       Terre Haute KGFO 204   1.470   100       WRPI 208.2   1.440   100       Vsiparalao WRBC 238   1.280   250	KFWF 214.2 1,400 250 — — — — — — — — — — — — — — — — — — —	Oklahoma  AlvaKGFF 205.4 1.460 25
KPSN 315.6   950 1,000	W. Latayette. WBAA   272.6   1.100   500	Montana   Hardin   KGHP 263   1.140   50   — —   Havre   KFBB 275.1   1.090   50   — —   Kalispell   KGEZ 293.9   1.020   100   — —   Missoula   KUOM 461.3   650   500   —     Wida   KGCX 243.8   1.230   10   —	KGFG 215.7 1,390 50
KGTT 206.8 1.450 50 — — KJBS 220.4 1.360 50 — — KPO 422.3 710 1.000 — — KYA 309.1 970 500 — — San Jose KQW 296.9 1,010 500 — — Santa Ana KWTC 222.1 1.350 100 — — Santa Barbara KFCR 211.1 1.420 50 — — Santa Maria KSMR 272.6 1.100 100 — — Santa Monica KNRC 374.8 800 500 — — Santa Monica KNRC 374.8 800 500 — — Sockton KGDM 217.3 1.380 10 — —	Clarinda	Nebraska   Central CityKGES 204   1,470   10	Eugene . KCEH 201.2 1.490 89
Venice KFUM 284.4 870 50	WSUI 475.9 630 500 — — LeMars KWUC 243.7 1,230 1,500 — — Marshalltown. KFJB 247.8 1,210 250 — — Marshalltown. KFJB 211.1 1,420 100 — — Oskaloosa KFHL 255.8 1,142 2,000 — — Oltumwa WIAS 322.4 930 100 — — ORAD AND AND AND AND AND AND AND AND AND A	Lincoln KFAB 319 940 5,000 — KFAB 319 940 5,000 — KFAB 319 940 5,000 — MAD 319 940 940 940 940 940 940 940 940 940 94	KOIN 319 940 1,000
KFUP 227.1 1,320 100 — — KFUP 227.1 1,320 100 — — KFXF 282.8 1,060 250 — — KGEY 201.2 1,490 250 — — KGZ 2669 1,010 1,000 — — KOA 325.9 920 2,500 — — KOA 325.9 920 2,500 — — KOW 247.8 1,210 250 — — Fort Morgan.KGEW 216.8 1,370 200 — —	Sloux CityKFMA 394.5 760 1,000 — — — — — — — — — — — — — — — — — —	Univ. PlaceWCAJ 379.5 790 500	Altentown .WCBA 222.1 1,350 100
Greeley KFKA 249.9 1.200 200 — — Grunsison KFHA 254.1 1.180 50 — — Grunsison KFHA 254.1 1.180 50 — — Grunsison KFHA 254.1 1.180 10 — — WCM 209.7 1.430 250 — — Connecticut  Danbury WCWS 265.3 1.130 100 — —	Concordia	TiltonWBRL 232.4 1.290 500 — — — New Jersey  Asbury PkWCAP 239.9 1.250 500 — — — Atl'nitic City WPG 272.5 1.100 5,000 — — — — — — — — — — — — — — — — — —	Jeannette    WGM     208,2     1,440     50         Johnstown    WHBP     228,9     1,310     250         Kingston    WABF     205,4     1,460     250         Lancaster    WGL     252     1,190     15         Lemoyne    WMBJ     234,2     1,280     250         Lewisburg    WBJ     214,2     1,400     100         Monessen    WMBJ     322,4     1,280     50
Easton	Kentucky	Elizabeth WIBS 204 1.470 250	Oil City WHBA 280.7 1.150 10
Wilmington .WDEL 296.9 1.010 100 — — — — — — — — — — — — — — — —		N, Pitinf'id.WEAM 283 1.140 250 — — Palisade WPAP 394.5 760 500 — — Paterson WDAP 293.8 1,020 1,000 — — Red Bank WJBI 283 1.140 250 — — Trenton WOAX 231.9 1,250 500 — — Union City. WBMS 199.9 1,500 100 — —	WIAD 288.3 1.040 100 — — WIP 388.6 880 500 — — WILIT 405.2 740 500 — — WILIT 405.2 740 500 — — — WINAD 288.6 860 100 — — — WIPS 206.8 860 500 — — — WPSW 206.8 1860 500 — — — WRAX 212.6 1.410 250 — — —
Florida  Gainesville .WHBN 202.6 1.480 10 — — — — — — — — — — — — — — — — — —	Maine	New Mexico RatonKGFL 50 2,221 1,350 — — — State CollegeKOB 394.5 760 8,000 — — — New York	Pittsburgh   K.DKA   315.6   950   50,000     K.QV   270.1   1,110   500     K.QV   270.1   1,110   500     K.QV   270.1   1,110   500     K.QKA   270.1   1,110   500     K.QKA   238   1,250   100     K.QKA   238   1,250   100     K.QKA   238   1,250   00     K.QKA   238   1,250   00     K.QKA   238   1,250   00     K.QKA   238   1,250   250     K.QKA   238   1,250
Miami Beach, WIOD 247,8 1,210 1,000	Bangor	AmherstWKEN 204 1.470 750	Willow G've.WALK 201.2 1.490 50 — — — — — — — — — — — — — — — — — —
WMBR 252 1,190 100 — — WMBR 282 238 1,260 250 — — — WGBZ 238 1,260 250 — — — MGGT 270,1 1,110 500 — — — MGCON WMAZ 270,1 1,110 500 — — — Toccoa WTF 209,7 1,430 250 — — — Toccoa WTF 209	Massachusetts   Babson Park.WBSO 384.4 780 100   Boston WBIS 46.3 650 100   WBIS 46.3 650 100	BuffaloWSCH 227.1 1,320 500	PavtlucketWFCI 241.8 1.240 50
Idaho	WMLS 211.1 1.420 50 — — WNAC 461.3 650 500 — — Cambridge WLBM 230.6 1,300 50 — — Chelsea — WLOE 211.1 1.420 100 — — Fall River WSAR 252 1,190 250 — —	Endicott WNBF 206.8 1.450 50	South Carolina CharlestonWBBY 249.9 1,200 75
Illinois   Atwood	Lexington .W.LEX 215.7 1,390 50	WGBS 348.6 860 500 — — — WGL 293.9 1,020 500 — — —	Dell Rapida. KGDA 254.1 1.180 15 — — Mitchell . KGFP 212.5 1.410 10 — — Oldham . KGDY 208.8 1,450 15 — — Pierre . KGFX 254.1 1.180 200 — — Rapid City. WCAT 247.8 1.210 100 — — Sloux Falls. KSOO 209.7 1.430 250 — — Vermillon . KUSD 483.6 520 255 — — Vankton . WNAX 302.8 990 1,000 — —
WIBM 389.4 770 5,000 — — — — — — — — — — — — — — — — — —	Michigan  Battle Creek WKBP 212.6 1.410 59 — — — — — — — — — — — — — — — — — —	WJZ 454.3 660 40,000 — — — — — — — — — — — — — — — — —	Tennessee  Chattanooga WDOD 243.8 1,230 500 — — —  Knoxville* WFBC 234.2 1,280 50 — — —  KNOX WNSJ 206.8 1,450 50 — — —  WNOX 285.3 1,130 1,000 — — —  Lawrenceb's WOAN 239.9 1,250 500 — — —  Memphls WGBC 228.9 1,310 15 — —
WILD 415.4 722 500	WMBC 243.8 1,230 100 — — — WMBC 243.8 1,230 100 — — — — — WWJ 352.7 850 1,000 — — — — E. Lansing WKAR 277.6 1,080 500 — — —	WSDA 227.1   1,320   250	WHBQ 232.4 1.290 100 — — WMBM 239.7 1.430 100 — — WMC 516.9 580 500 — — — WMC 516.9 580 500 — — — WMSR 22.9 1.310 100 — — — WMSR 22.9 1.200 100 — — — WMSR 22.54 1.330 1000 — — — WMAC 22.54 1.330 1000 — — —
WIBJ 201.2 1.480 100 — — WIBJ 201.2 1.480 100 — — WIBD 201.2 1.480 100 — — WIBD 305.9 980 5.000 — — WIBJ 389.6 770 500 — — WIBJ 215.7 1.380 50 — — WIBJ 215.7 1.380 50 — — WIBJ 204 1.470 50 — — WIBJ 344.6 870 6.000 — — WIJS 344.6 870 6.000 — — WIJS 344.6 870 6.000 — — WIJS 348.6 820 100 — —	Grand Rapids, WAOFI 28-5, 1.170 250	WNBQ 205.4 1,460 15	Texas  Amarillo, KGRS 243.8 1.230 250
WLEN 204 1,470 500 — — WLIS 344.8 870 5,000 — — WLIS 483.6 620 100 — — WMAN 447 \$ 870 1,000 — —	Petoskey WBBP 239.9 1.250 100 Royal Osk., WAGM 225.4 1.380 50 Ypsflanti WJBK 220.4 1.360 15	Troy	Beaumont KFDM 483.6 520 500 — — — Breckenridge KFYO 211.1 1,420 15 — — Brownsy'le KWWG 277.6 1,080 500 — —

# State and City Index Continued

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	Washington	Washington (Continued)	Canada (Continued)
City Call Meters Kc. Watts	City Call Meters Kc. Watts	City Call Meters Kc. Watts	City Call Meters Kc. Watts
College Sta. WTAW 483.6 620 500	AberdeenKXRO 227.1 1.320 50	W. De Pere. WHBY 249.9 1,200 50	Moose JawCJRM 296.9 1,010 50
Dalfas KRLD 461.3 650 500	Bellingham KVOS 209.7 1,430 50	Wyoming	Burnaby CFYC 410.7 730 500
WFAA 545.1 550 500	EverettKFBL 223.7 1,340 50 — — — — — LaceyKGY 243.8 1,230 50 — — —	LaramieKFBU 483 620 500	Oltawa CKCO 434.5 690 100
DublinKFPL 275.1 1,090 15 — — —	Pullman KWSC 394.5 760 500		CNRO 434.5 690 500 — — —
DublinKFPL 275.1 1,090 15 — — — — — — — — — — — — — — — — — —	Seattle KFOA 447.5 670 1.000	Alaska	Prescott CFLC 296:9 1.010 50
Fort Worth KFJZ 249.9 1.200 50	KFQW 217.3 1.380 100 — — —	Anchorage .KFQD 344.6 870 100 JuneauKFIU 225.4 1.330 10	Preston CKPC 247-8 1,210 71/2
KFQB 333.1 900 1,000	KGGL 230.6 1,300 50 — — —	Ketchikan KGBU 228.9 1.310 500	Quebec CHRC 340.7 880 45
WBAP 499.7 600 5,000	KJR 348.6 860 2.500 — — — — KKP 265.3 1.130 15 — — —	Hawaii	CKCI 340.7 880 45 —
Galveston KFLX 270.1 1,110 100	KOMO 305.9 980 1.000 — —	Itomolulu KGHB 227.1 1.320 25	CKCV 340.7 880 100
Greenville KFPM 230.6 1,300 14	KPCB 230.6 1,300 50	KGU 270.1 1,110 600 — —	CNRQ 340.7 880 100 — — — — — — — — — — — — — — — — —
HarlingenKHMC 236.1 1.270 100	KRSC 211.1 1,420 50 — — —	Philippines	Red Deer CKLC 356.9 840 1,000
Houston KFVI 238 1.260 250	KTW 394.5 760 1.000 — — —		CJBR 312.3 960 500 — — —
KPRC 293.9 1,020 500	KUJ 199.9 1,500 10 — — — KVL 202.6 1,480 100 — — —	ManilaKZIB 249.9 1,200 20 — — — KZRM 413 726.1 1,000 — — —	CKCK 312.3 960 500 — — —
San AngeloKGFI 220.4 1.360 15 — — —	KXA 348.6 860 500	Porto Rico	CNRR 312.3 960 500
San Angelo KGFI 220.4 1,360 15 — — — — — — — — — — — — — — — — — —	Spokane KFIO 245.8 1,220 100	San Juan WKAQ 322.4 930 500	Saskatoon CFQC 329.5 910 500
KGDR 206.8 1.450 15 — —	KFPY 245.8 1,220 250	Canada	CHUC 329.5 910 250 — — —
KGRC 220.4 1,360 100	KGA 260.7 1,150 2,000 — — — — KHO 370.2 810 1,000 — — —		CJWC 329:5 910 250 — — — — — — — — — — — — — — — — — — —
KTAP 228.9 1.310 20	TacomaKVI 234.2 1,280 50 — —	Bowmanvilie CKCW 312.3 960 5,000 — — — — — — — — — — — — — — — — — —	ScarboroCJYC 291.1 1,030 500 — — —
KTSA 265.3 1,130 2,000 — — — — WOAI 499.7 600 5,000 — — —	KMO 254.1 1.180 250	CFCN 434.5 690 1,800 — — —	CKCX 291.1 1,030 500 — —
Waco WJAD 333.1 900 500	West Virginia	CJCJ 434.5 690 230 — — —	Sea IslandCJOR 291.1 1.030 100
	Charleston WOBU 267.7 1,120 50	CNRC 434.5 960 1,000	St. Hyacinthe, CKSH 312.3 960 50
Utah	Clarksburg WQBJ 239.9 1,250 65	Charlottet'n .CFCY 312.3 960 100 — — — — — — — — — — — — — — — — —	Summerside . CHGS 267.7 1.120 25
Fai mington . KFUR 225.4 1.330 500	Huntington . WSAZ 249.9 1,240 100	Edmonton . CHMA 516.9 580 250 — — —	TorontoCFCA 356.9 840 500
Salt Lake C. KDYL 234.2 1.280 500	Wheeling WWVA 516.9 580 250	CJCA 516.9 580 500	CHIC 356.9 840 500
KFUT 249.9 1,200 50 KSL 302.8 990 1,000	Wisconsin	CKUA 516.9 580 500	CHNC 356.9 840 500 — — —
KSL 302.8 990 1,000	Appleton WAIZ 227.1 1.320 100	CNRE 516.9 580 500	CJBC 291.1 1.030 500 — — — — — — —
Vermont	Beloit WEBW 258.5 1,160 500 — — — — — — — — — — — — — — — — —	Edward Park CHCY 516.9 580 250 — — — — Fredericton CFNB 247.8 1.210 25 — — —	CJYC 291.1 1,030 500 — — —
Burlington . WCAX 254.1 1.180 100	Fond du LacKFIZ 267.7 1.120 100	Hallfax CHNS 322.4 930 100	CKCL 356.9 840 500
Springfield WNBX 241.8 1.240 10	Kenosha WCLO 227.1 1.320 100	Hamilton CHCS 340.7 880 10	CKCX 291.1 1.030 1,000 — — —
	WKDR 247.8 1,210 15	CKOC 340.7 880 50 — — —	CKNC 356.9 840 500 — — — — — — — — — — — — — — — — —
Virginia	La Crosse. WKBH 220.4 1,360 500	Iroquols F'ls.CFCH 499.7 600 250	CNRT 356.9 840 500
Charlotte'lle WRCV 209.7 1,430 100	MadisonWHA 333.1 900 750 — — — — — —	King	UnityCHSC 267.7 1.120 50
Norfolk WBBW 236.1 1.270 100	Manitowoc WOMT 222.1 1,350 100	C1CO 410.7 730 10 — — —	Vancouver CFOQ 410.7 730 10
WSUF 236.1 1.270 500	Milwaukee WGWB 218.8 1,370 500	Kingston CFMC 267.7 1.120 20	CHPC 410.7 730 1,000
WTAR 236.1 1,270 500 — — — — — — — — — — — — — — — — —	WHAD 270.1 1.110 500	CFRC 267.7 1.120 500	CKCD 410.7 730 1,000 — — —
Richmond WBBL 234.2 1.280 100	WSOE 270.1 1,110 250 — — — WTMJ 293.9 1,020 1,000 — — —	LondonCJGC 329.5 910 500 — — — — MidiandCKPR 267.7 1.120 50 — — —	CKWX 410.7 730 50
WMBC 220.4 1.360 15 — —	WTMJ 293.9 1,020 1,000 — — — — PoynetteWIBU 217.3 1,380 20 — — —	Moncton CNRA 336.9 890 500 — —	CNRV 291.1 1.030 500
WRVA 254.1 1,180 1.000	Racine WRRS 247.8 1.210 50	Montreal CFCF 410.7 730 1.650	Victoria CFCT 475.9 630 500
WTAZ 220 1.360 15 — — —	Sisiht WBAR 270.1 1,110 500	CHYC 410.7 730 750	WinnipegCKY 384.4 780 500
Va. Beach WSEA 263 1.140 500 — — —	Stevens PointWLBL 333.1 900 1,000	CKAC 410.7 730 1.200	Yorkton CJGX 475.9 630 500 — — —
10. Deach 11 Jan 203 1,190 300	Superior WEBC 241.8 1.240 250	CNRM 410.7 730 1,000 — — —	TOTALON

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OW about that new set you want to buy? What are you going to do with the old one? A Radio Digest classified advertisement will sell it for you. Rates are twenty cents a word for each insertion. Five per cent discount for four insertions, 10 per cent discount for twelve insertions. Name and address are counted. Two initials count one word. Cash must accompany order. Minimum of ten words. Objectionable and misleading advertisements not accepted.

### Employment

### Instructions

DO YOU DRIVE A CAR? U. S. Government Chauffeur-Carrier jobs will pay you \$141 to \$175 a month. "How to Qualify," mailed Free. Write, Instruction Bureau, 206 Arcade, St. Louis, Mo.

Earn \$25 weekly spare time, writing for newspapers and magazines. Experience unnecessary. Copyright book, "How to write for Pay." Free. Press Reporting Institute, 1269 St. Louis, Missouri.

Men quality for forest ranger position; start \$125 month: cabin and vacatlon; patrol the forests; protect the game. Write Mokane Institute, M-50, Denver, Colorado.

### Male Help

MEN—South American work. Oil, fruit rubber companies. Expenses paid. South American Service Bureau, 14,600 Alma Detroit, Michigan.

Men to do radio experimenting for us in spare time. Write Experimental Dept., Lambert Mfg. Co., Wichita. Kans.

WANTED—Men to work with National Radio Service organization. No selling scheme. Co-Operative Radio Doctors. De-partment D, 131 Essex Street, Salem, Mass.

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The new and improved Proof of Reception Cards are the most practical and convenient proof of reception of those distant stations. Contains spaces for complete reception record, dial settings, call letters, stamps and signature of announcer. Handy size, 3x5 inches. 150 for \$1 or send 25 cents (stamps or coin) for sample package. Shopping Service, Radio Digest, 510 N. Dearborn St., Chicago. III.

If you want to buy radio sets, parts, logs, stamps or books, you will find them advertised in the classified columns—where buyers and sellers meet.



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20th Street, Dept C., New York City.

UTAH LOUID SPEAKERS: Large \$22.50

UTAH LOUD SPEAKERS: Large \$22.50 Speaker for \$8.95; new stock in sealed cartons; \$25.00 Saal Speakers for \$7.95 while they last. Write for bargain sheet. Dealers write for quotations on above speakers. Radio Supply Co., 119 W. Main St., Springfield, Ohio.

Change your phonograph into a loud speaker with the Fultone Unit for only \$2 C. O. D., or postpaid if each accompanies order. Bronstein's Pharmacy, 4600 Lincoln Ave., Chicago.

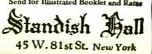
EDISON "A" BATTERIES—3 cell, 20 ampere hour, in neat metal cases. Price \$3.50 each, ten or more \$3.00 each. Cash with order. Department B, 25 East South Street, Indianapolis, Indiana.

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Wanted to Buy

Wanted to Buy
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Radio Log

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The wanted BASS tones captured as never before!

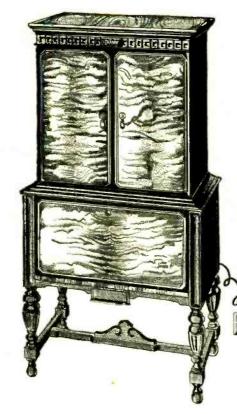
Another Farrand advancement—the Farrand Concert Speaker—attaining a new, deep-reaching tonal radius, with all the pleasing treble retained as heretofore—virtually next year's model presented today! See and hear it, at your dealer's—and be thrilled by its matchless, all-around performance.

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acids trouble batteries water excuses makeshifts

The cabinet of model G-5, illustrated here, is without a doubt one of the finest that ever housed a radio set. It is panelled entirely of the most carefully selected genuine burl Walnut. Contains a large cone-speaker of great volume and superb tone. Truly a masterpiece of the cabinet makers art.



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