

Readers Give Views on Interference

Radio Digest

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*Directions for Building the 1927 DeLuxe Super, the Set That Heard the Philippines;
New B-T Power-Six; Uncle John and KHJ's Radioland; Directory of Stations, Part II*

UNCANNY DEVICE CAN SEE THROUGH DARK

NEW INVENTION BY BAIRD, SCOTCH RADIO WIZARD

Has Tremendous War and Peace Applications—Can Locate Airplanes in Night Attacks

LONDON, England.—A remarkable invention by which it is possible to obtain sight of an object by means of light rays invisible to unaided human sight, was demonstrated in London recently. From the fact that, by the light rays employed, a person in entire darkness may be watched by an unseen observer, it will be seen that there are vast possibilities for the application of the invention in times of war or peace.

Among the claims made for this invisible ray are that it will:

1. Enable approaching enemy aircraft to be detected and observed without the disclosure of the whereabouts of the observer, by the customary tell-tale beam of the ordinary searchlight.
2. Reveal at night the presence above water of a submarine.
3. Disclose secret movements of troops at night.
4. Warn ships in time of fog of impending collision with icebergs or other vessels.

Baird Inventor Again

This further great stage in the practical application of television has been reached by John L. Baird, the young Scotch inventor, who holds the only license granted by the British postmaster-general for research work in television by Radio, and who early in 1926 successfully demonstrated his claims before a gathering of members of the Royal Institution, the leading scientific body in Europe.

Hitherto it has been necessary to focus an extremely brilliant ray of light on the object to be transmitted, and in the case of an individual the intensity of the light is so great as to be bothersome. Obviously, before the commercial application of television could become possible, it would be necessary to diminish the enormous brilliancy of the light. Along this line Mr. Baird and Captain O. G. Hutchinson, his associate, have been working for the past six months.

So successful have been their experiments that they have now evolved a ray of light completely invisible to the eye, which through the Baird televisor projects onto the screen the image of the person or the object which it is desired to transmit. This ray penetrates to a much greater degree than the ordinary light rays, but being infra red, is outside the visible spectrum. The ray itself is not new, but its application to television will have far-reaching results.

Experiences of Observer

In a demonstration of the ray in which two independent persons took part the results were wholly successful. One of the participants narrates his experience as follows:

"I was first shown into the room in which is placed the transmitting screen of the televisor. The windows were heavily curtained, and above the screen were arranged a number of ordinary electric lights. Before the light filter was placed in position the intensity of light was almost blinding, but when the filter was brought into use it had the effect of cutting out everything that was visible from the rays, and the room was plunged in total darkness. I groped my way to the screen and sat in front of it. My colleague, in an adjoining room, sat before the receiver and watched. Almost immediately, he told me afterwards, my head and shoulders were brought into focus.

"Involuntarily I opened my mouth, and from afar I heard my colleague shouting to me to close it. I put my tongue out, imagining that the darkness protected me, and was told not to be rude. It was uncanny in the extreme. I stumbled out of the room into the light, and my colleague described to me in detail everything I had done. Then we reversed the process, and I became the watcher.

"We had been enabled to see in total darkness."

Light There But Eye Can't See

Mr. Baird explained that what happens is that after the light has been switched on the filter which has been superimposed cuts off all visible rays, but in no way interferes with those rays in the lower spectrum invisible to the human eye. These invisible rays are picked up and are transmitted through space to the sensitive cell of the televisor, which projects the image upon which the rays have been directed onto a screen.

The uses to which this power of seeing in darkness may be put are manifold, and the value of such a power in modern warfare can easily be imagined. Take, for example, an attack from the air. It is comparatively easy for a squadron of airplanes to approach under cover of darkness.

With the invisible ray of the televisor attacking airplanes could be watched

KNOW COVER GIRL? CHANCE TO WIN \$5

WHO is she? What do you know about her? Where did you hear her over the air? Does she play, sing or tell stories? Answer these questions and afford such other interesting information as you may glean, and if it is the best letter received, you will be awarded a check for \$5. Just one lead to guide you—the lady's name is Ida May Chadwick. Now sit down and write us a letter of 100 words. Send it to Cover Girl Editor of Radio Digest, 510 N. Dearborn St., Chicago, before February 1. Identical prizes will be awarded in the event of tie.

without the watch being so immediately manifest. They could be followed by searchlights emitting not light, but invisible rays, they would be allowed to come within range and then brought down by the ground guns.

Peace-Time Uses; Penetrates Fog

The same thing could be applied to submarine warfare. The use of the invisible ray would force a submarine to remain under water even during the hours of darkness, for if it came to the surface to attack it would immediately come within the view of the televisor. Darkness, the great cloak for military operations, will no longer give any security.

The invisible ray has its peace-time uses as well as its destructive purposes. It can penetrate to a much greater extent than an ordinary ray of light, and this power of penetration would be of the greatest service to ships in fogs and in avoiding collisions with icebergs. Tests of the ray have already been made by the British Army, Navy, and Air Force.

Crosley Controls DeForest

NEW YORK.—Powel Crosley, Jr., owner of the Crosley Radio Corporation in Cincinnati and holding control of the American Radio and Research Corporation of Medford Hillside, Mass., was on January 4 elected to presidency of the DeForest Radio Corporation, of New York, of which he has obtained control for the next five years.

Mr. Crosley is also owner of Superstation WLW, at Cincinnati.

Congress Will Do Own Sweet Way Signs Point

Radio Control Law May Not Even Be Passed

WASHINGTON, D. C.—Are listeners to get some relief from Congress or are they not?

That is the question. Indications are at the time of this writing that Congressmen are being besieged to such an extent by various interests that they do not know who to believe and in such a situation they generally "go their own sweet way." If Radio legislation is enacted at the present session of Congress and it is not what it should be, the public has only itself to blame.

Every branch and phase of the Radio industry is represented at the National Capitol these days except the fan. However, he is being heard from to some extent through correspondence with his Congressman.

Since the holidays, progress in Radio legislative efforts has been what may be described best by the single word—nothing.

Nelson at WPCH

NEW YORK.—Ted Nelson, formerly associate managing director of Station WMCA, of the McAlpin Hotel, has joined the studio staff of Park Central hotel as associate managing director of American Bond and Mortgage Station WPCH. The addition of Nelson's name to this organization rounds out the prestige of the station to one of the first rank, according to the New York Radio chat. Associated with Nelson are such old timers as Lewis Reid and Norman Brokenshire, both formerly of WJZ; and Walter Neff, formerly of WAHG. Ted Nelson is a graduate of Columbia and a former newspaper man. He is known to millions of listeners.



WSB, WHAS Join Red Chain

NEW YORK.—Announcement is made of the addition of Stations WSB, Atlanta, Ga., and WHAS, Louisville, Ky., to the WEAJ or Red Network.

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Looking Ahead

At Last We Are Going to Have Wyndham Martyn's Green Mamba, a most fascinating story of love and gold by this famous author. The old alliance between Eve and the snake has a setting in Green Mamba that is ultra modern—a vivid cross-section of life in a Long Island millionaire's paradise and the wilds of barbarous Africa.

Only Three More Sections of Whozit to Come, so hurry and prepare to send your solved sets of Whozits in to win part of the \$26,000 in prizes.

We Told You the Philippine Super Was Coming. And here it is, on page seven this issue. Then, on page nine there is a more modest set for the home builder. Making either? More details next issue.

Special articles about broadcasting stations and artists, with photographs, and NON-RADIO fiction 5,000, 10,000 and 30,000 words in length 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

WHEN YOU WANT

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

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City State.....

SHORT WAVES

By Marcella

Quin Ryan; Carl Menzer; Bobby Griffin; Pattison Coates; "Ivories" Lee Sims; Doug Richardson; Graham McNamee and Phillipps Carlin, WEAJ Twins; Val McLaughlin Busy with Her Own; Everett Mitchell New Voice at WENR.

HOW many of your nice new New Year's resolutions have you broken?

Here is a query about that ace of football announcers, Quin Ryan of WGN, Chicago. Mr. and Mrs. P. J. Halm, Rock Island, Ill., want to know all about him—"Is he married? We hope so. If he is, how many children—he should have several he entertains them so well. A sheik? Don't tell us that he is. Red hair? We think so. Irish? Must be. Is he as human, every day and old shoeish as he sounds?"

And the Halms want to know whether Quin is so generally admired by the feminine listeners as Lester Palmer of WOW. I knew Quin way back when and I think he is a regular fellow, not spoiled by the fame that has come to him through this very popular broadcasting station. He dresses neatly, chooses the right kind of a tie, has dark wavy hair, deep blue eyes, is courteous and a gentleman at all times. He is not married and so far as I can learn is fancy free. He stands five foot nine inches and puts his whole soul into his work as the feature director and announcer of WGN. Oh, and to be sure, he belongs to the cult of column conductors and his Irish wit is evident in the Loud Speaker of the Sunday Tribune. Girls, he DOES have one—you know, one of those nifty little lip winkers dubbed a mustache.



A bashful college boy, Edna, just a modest young fellow who presides at the WSUI microphone, naturally a student at the State University of Iowa and his name is Carl Menzer. The picture you see here is taken from a snapshot I begged of him for your delectation. I don't believe all the things we hear and see about this college deviltry, do you?



Could you, now, just looking at this manly countenance? Eyes, hair, state of matrimony, hobbies? Tush! Tush! Edna, he simply doesn't tell in his letter. He says, "Go ahead, Miss Marcella, say anything you like. I trust you."

M. I. M., West Branch, Ia. and T. W. W. of Eyote, Minn. It just had to be. Bobby was bound to rise. So when it happened that they had two crack-erjack announcers at WHO, Des Moines, Ia., and Bobby was the assistant announcer Station KVOO of Bristow, Okla., beckoned and Bobby Griffin came over to be installed as chief announcer. Bobby is 26, unmarried and a real war hero. He has a winning Radio voice which reflects the genuine sincerity of his nature. He made a fine showing in winning an honorable mention certificate in the last Radio Digest Gold Cup award for America's most popular announcer.



Ruth and Jane, you are right in your supposition about Mr. Pattison Coates at WGN. Same man. And he is such a big handsome fellow. He is younger than you would suppose from hearing him over the air. How old do you think? Nope. He's only twenty-two. He has dark hair, blue eyes, and the most be-ootiful teeth. He does the Great Lover feature and his love songs are simply divine. And Oh, my dears, he is NOT married. How unusual!

Bob and Bobby, Sparland, Ill. The only sure thing about Lee Sims, recently of WBBM and KYW, is that he is not attached to any special broadcasting station. Last night I heard him over WGES but tonight he is apt to be at some other Chicago station. His one fixed association is with Garland's Music studio where he teaches his masterful modulations to ambitious ivory ticklers.

May of Tacoma. It appears that you are decidedly impressed with the ethereal attractions of Doug Richardson at KJR. I would be glad to go into details concerning this particular favorite but it was only a few weeks ago that we responded to many other inquiries with just about everything that could be told. He has gray-blue eyes and hair that sometimes looks a dark brown and again could be taken for red. But here is what you want to know, May, he has a wife and a little

(Continued on page 4)

PEOPLE VOICE STRONG OPINIONS

SHENANDOAH DEBATE BRINGS HAIL OF LETTERS FROM FANS

Interference Problem Gets Real Airing—Many New Lines of Thought Are Brought to Light—What Listeners Say

If you want to start something, criticize a broadcasting station! Immediately that station will have numerous champions who will expostulate, fill your mail with letters of threatening nature, and say nasty things about you.

In the past several issues, "The Reader's View" column of this publication, a column devoted purely to letters from readers and listeners, has contained several rather warm complaints against certain stations. Immediately the war started.

The issues became magnified, Radio Digest was called a "tool of the trusts" and many other things not nice to print, and the criticized stations felt deeply chagrined to think that anyone should criticize them, even going to the extreme of believing that Radio Digest was behind it all.

The letters resulting from the interference issue are meaty and interesting. Some suggest good ideas. Many excerpts from them are being published below for that reason. However—

None of them carry the stamp of the editorial policies of Radio Digest. Remember that they are readers' views or opinions, and not the Digest's.

Radio Digest's Policy

To prove that this publication is not sidestepping, the Radio Digest policy regarding wave lengths and interference is quoted herewith:

"It is the right of every listener to receive the program he desires, without interference from other stations, regardless how humble and meager the Radio receiver installation he possesses may be.

"It is the right of every station to broadcast what it pleases, as long as it is neither indecent nor immoral, for the listener has the option of tuning out what displeases him."

The two sentences above cover a multitude of ground. Think them over. Then read on and learn what various listeners have to say about interference and stations that interfere:

What Are the Public's Rights?

"There is urgent need for immediate federal laws and strict government super-

ME SNEEZE? NO IT'S MOSCOW ON THE AIR

NEW YORK.—Allo! Allo! Toot rah-dee-to-tellay-grain-ayah tue-see-atsche tschay-tueresta pee-atdee-sa-tee-mee-trov, toc-var-eescht-tschee, soos-tcha-ee-tee.

Radio fans should not be alarmed if they hear these strange sounds issue forth from their loud speaker some evening. It is merely the opening statement of the announcer at RDW Moscow, a new 12,000-watt station.

WHOZIT GAME WINS THOUSANDS OF FANS

\$26,000 AWAITS FANS WHO PAY CLOSE ATTENTION

Pasting Artists' Faces Back Together Correctly Proves Favorite Winter Pastime—Fifth Game Starts

(Whozits on 10, 12 and 13)

Are you keeping up with Whozit, the \$26,000 prize national game?

Prediction by Radio Digest that Whozit would prove the most popular and fascinating Radio diversion of the year has already been verified by the thousands of letters received through the twenty-four broadcasting stations in the Whozit chain and by the Whozit editor of the Radio Digest.

The rules are not being repeated in detail in the current issue, but may be had by obtaining back numbers.

How Whoziteers Play Games

In the main, for those who have not followed the game it may be stated that in each issue of Radio Digest will be found forty-eight Whozit pictures. These pictures represent two artists from the twenty-four participating stations.

Listeners who wish to play the game turn to the Whozit pages during the broadcast hour of the nearest Whozit station. They are told to look for the names under a certain panel. Then the characteristics of the artist are described, and it should be stated that the Whozit picture is a composite of four different faces. From the description the listener picks out the segments of the pictures that belong to each individual, assembles them, notes five facts about the individual and then holds the picture until the last of the eight games have been played.

Although this is the fifth game of the series, it is not too late for those who have not taken part heretofore to begin the game now.

Whozit Schedule

The schedule for the game of Whozit at the twenty-four participating stations remains the same for January 15-31 as was published last issue, with the following changes:

WPG (299.8), January 17 and 24, 8:30 p. m. Eastern time; January 21 and 28, 9 p. m. Eastern time.

Station WOOD, temporarily off the air, is back again with Whozit daily at 11 p. m. Eastern time.

HEARD ON FIRST OF VICTOR SERIES



Rosa Ponselle, above, dramatic soprano of the Metropolitan Opera Company; Mischa Elman, right, famous violinist; and Alfred Cortot, left, pianist of note, who were heard in concert with John McCormack, beloved Irish tenor, on the occasion of the first Victor Hour of the season, broadcast on the evening of January 1 from a large chain of stations, including members of both the Red and Blue Networks. Not only was this the first Victor concert of the season, but it was a "first" for the artists pictured herewith—the first time any of them had appeared before a Radio microphone. McCormack was heard in the two previous Victor New Year's programs, in 1925 and 1926. Since the New Year's broadcast, the remaining concerts in the Victor series are being heard on alternate Friday evenings from 9 to 10 o'clock, Eastern Standard Time, through the Blue link of the National Broadcasting Co.



vision in Radio. It may be true that the 'air is free,' but if the air is free to the broadcasters, it should be equally free to the receivers (the public). I believe the public have a vested right to have the air kept clear from pollution of interference, heterodyning and blanketing, and that this right of the public existed long prior to any rights accruing to broadcasters."—E. O. M., Galesburg, Kans.

"There are still a few stations that stick out above the general dog fight, but they are getting scarcer. WEAf is almost submerged at times, WTAM is being interfered with, WBAL is also almost a total loss when the other stations get going right, and WBZ is another good station that is wiped off the map at times. A lot of other good stations are gradually being lost in the 'Symphony of Discord'."—J. S. R., Stratford, Ont.

For and Against Small Town Stations

"There is a great deal of interference chiefly from stations on the air at the same time on the same wave length. The greatest curse is the super-power stations. They smother smaller stations on adjacent wave lengths. Why should they be allowed to spoil the pleasure of millions of fans to satisfy their selfish ends?"—G. C. H., Kewanna, Ind.

"My opinion of this interference business is that the small towns should not be on the air, as they can't possibly supply the best talent, and if you are close to them, you can't tune them out."—W. P. L., Kenton, O.

Against WSMB; Slap for KWKH

"When WSMB with all its power comes on the air, it blankets the dials from 250 to 390 meters, thereby depriving many from enjoying such fine programs as

broadcast by KPRC, WGN, KDKA, KFDM, WGR, KOA, WSAI WBZ, WCB, WLS, KTHS, WGY and ever so many more. If WSMB only gave a real program—but all it yields as a friend of mine from the far West said, is 'rotten tingle-tangle'."—A. F., New Orleans, La.

"KWKH refused to be silent on the night of the big Natl. Broadcasting Co. program. When numerous people phoned that they desired to hear Will Rogers, who was on the N. B. C. program, KWKH derided the 'nabobs' who 'thought they owned the air' and then drowned out the living Will Rogers with a 'canned edition' (phonograph record) of himself."—C. K. B., Shreveport, La.

Riding Chicago and WEAf Chain

"Chicago with its forty or more stations completely blocks out Canada, Cuba and Mexico, and does not accomplish any good

transmission for her own stations. I sure thank Chicago for the one silent night."—E. D. T., Nebraska City, Nebr.

"Why should WEAf and its chain be permitted to monopolize the air every evening for three hours to the exclusion of other stations whose programs we would like to hear? WEAf programs are for the most part good; some are poor, but because they are good is insufficient reason for crowding other stations off the air."—W. R. P., Heron Lake, Minn.

The Shenandoah Discussion

Many readers of Radio Digest have no doubt followed the letters from readers, in "The Reader's View" column, criticizing the two Shenandoah stations, KMA and KPNE.

The letters drew much fire. Indignant readers, feeling that Radio Digest was in

(Continued on page 28)

CHICAGO SUPER-HET HEARS PHILIPPINES

MARVIN THOMPSON TELLS HOW TO BUILD REPLICA

Original 1927 DeLux Super Proves Self in Severe Test Through Chicago Station Barrage.

CHICAGO.—Imagine tuning in the Philippine Islands, KZUY at Baguio using but 500 watts, when you are listening in the midst of the Chicago barrage at its worst. It can't be done? Oh yes, it can—and was. Listen—

On Thursday evening, December 2, at 10:45 p. m., Gus Nelson was listening in on his super-heterodyne at 1514 W. 77th St., Chicago. He heard faint signals which careful tuning strengthened to full loud speaker volume. Despite considerable atmospheric and the fact that about thirty local broadcasters were doing their best to obtain an audience by means of high power, broad waves, etc., Mr. Nelson tuned in KZUY. He was using only a loop aerial.

As witness to the reception, F. E. Andrews, builder of the set Mr. Nelson was using, listened in amazement.

The Baguio station was telling about its reed pipe organ, 200 years old; then the organ was played. The reception was verified by cablegram.

Describes Super in Radio Digest

Marvin W. Thompson, Radio engineer, author and former technical editor of Radio Digest, heard of the feat of Mr. Nelson's super-het. Because of his penchant for supers, Mr. Thompson decided to tell listeners how to build a super-heterodyne just like the one that heard KZUY.

After some simple changes and improvements, the laboratory model was evolved. It is described by Mr. Thompson in this issue of Radio Digest on page 7 as the 1927 DeLux Super. In all respects it has been made a DeLux receiver.

In speaking of the 1927 DeLux Super, the designer, Mr. Thompson, said:

"While a replica of this receiver heard the Philippines through Chicago interference, that does not insure every copy, built from the instructions I will give in Radio Digest, will repeat this performance. But careful workmanship, adherence to directions, and skill in tuning should yield results, the like of which can be had with very few sets now in the possession of fans."

Mr. Thompson, in his well-known method of presentation, will give very detailed instructions for the construction of the 1927 DeLux Super. The first article of his series appears on page 7 of this number.

SHORT WAVES

By Marcella

(Continued from page 2)

junior just starting out life as a chip off the old block.

A "West-of-the-Mississippi" inquirer wants to know about "Graham McNamee being elected to different clubs as honorary member . . . inside information about him and his twin Phil Carlin." About the best I can do is to give you the thumb nails on these two leaders of the "chain gang." Mr. McNamee is 37 years old, of medium height. He has a wife and they have the darlings little—receiving set! No, that's all, my dear. He was brought up in Minneapolis, Minnesota.



Phillips Carlin is an Easterner and he must rate with a high intelligence quota as he graduated from New York University with a Phi Beta Kappa enrollment. He distinguished himself on the university debating team and won the highest awards. Don't get excited, girls, as I have stated before, Phillips is also married. Last June I announced to the world that the Carlins were without children and the very next week the stork must have read this column for straightaway he brought them a dear baby girl. And they named her Virginia Claire. Now, Stork, if you are reading this watch your chimneys!



Val McLaughlin, famous story lady of WOW and more recently of WLS, is the idol of many thousands of little folks but just at present she is devoting her exclusive attention to JUST ONE. And that one is a little daughter of her own, born last Thanksgiving day.

Everett Mitchell is the new voice at WENR, Chicago, and he is making many new friends for the station. His deep baritone voice and chatty announcements have brought out several inquiries. Mr. Mitchell is about thirty years old, brown hair and brown eyes. He has been singing since the days of the boy's choir and has been heard at a number of Radio stations. Been married six years to a very charming example of a gentleman's preference. He has been identified



Notes for Women

The first of four talks on social hygiene was delivered Tuesday afternoon, January 4, from WGY, by Dr. Carro C. Croff of the division of social hygiene of the New York State Department of Health.

Her lectures, which stress the need of giving children sex instruction in the home, the desirability of the single standard of living, results of sex ignorance, and our personal and community responsibilities, have won the approval of parent teachers' organizations. The remaining two talks will be delivered on January 18 and 25 during the afternoon period generally assigned to women's programs.

Mrs. Julian Heath, president of the New York Housewives League, Inc., and Home Economist of WJZ, New York, will henceforth devote her Monday afternoon talks to the use of "Mustard, the Subtle Seasoner" in the preparation of food. This series of talks is sponsored by Charles Gulden. Her discourses on the remaining days of the week will be devoted as in the past to the preparation of the meals for the following day and home economics, the menus being laid out with an eye to economy in accordance with the current prices at the local foodstuffs market.

The work of the entire year of the Denison Basket Weaving Course was reviewed in a broadcast from WJZ Monday afternoon, December 27.

The Chinese mystery, Chow Mein, was discussed recently by Betty Crocker from the more than a dozen stations giving her feature. Chinese cookery, as it is today, was originated in the year 3000 B. C. by the emperor Hay Se. Miss Crocker made mention of the interesting facts that there are no Chinese cook books, and that the cooking is usually done by men. A Chinese boy must serve a long apprenticeship in chopping, paring, watching and tasting, before he can become a master of the kitchen.

An interesting change in the 2LO, London, England, New Year programs is a revival in a modified form of the women's feature. It does not, as did the original, drag on for an hour, but every Monday women listeners hear a collection of hints devoted entirely to the interests of the housewife, broadcast for about fifteen minutes. The transmission is made at 5 p. m., just when most Englishwomen have finished their afternoon tea.

with the insurance business for some time. No, they haven't any.

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

The Readers' View

Beating Mr. Klein with Ekko Stamps
How many Ekko stamps have I? I think that I can go Mr. Klein one better.

I have at this time 225 verified reception stamps, including California, two from Mexico, three from Cuba, 12 from Canada, one from Buenos Aires, one from San Juan, Porto Rico, 20 from the city of Chicago, and 14 from New York City. I have one from WREC, Coldwater, Miss., a 10-watt station. I have logged an even 400 stations up to the present time, including three in Europe.—Frank H. Shepherd, Burlington, W. Va.

Does He Beat Mr. Shepherd?

I have collected 229 Ekko stamps from 39 States in the Union. They are distributed as follows: 18 from California, one from Arizona, 30 from Illinois, one from Oklahoma, four from Washington, one from Wyoming, 15 from Canada, one from Cuba, two from Mexico, one from Argentina, one from Hawaii, seven from Texas, and 46 from New York.

How is that for a record in only five months? And I am not finished yet.—Stanley Ferris, 43 W. 132nd St., New York.

Here's an Ekko Collection of 271

I have a collection of 271 proof of reception or Ekko stamps, and still trying for more. Included in my collection are KFI, KHJ, KNX and KGO of California; 6KW, 7SR and PWX of Cuba; WKAQ, Porto Rico; CZE, Mexico City. Out of 10 CNR stations I have heard seven, including CNRV, Vancouver, and CNRC, Calgary.

The total number of stations I have heard and had written verification from amounts to 397. My written verifications were started June 28, 1922, when I put in my first set. Ekko only allows the issue of stamps from March 1, 1924.

I use the same set I started with, a three-tube regenerative (detector and two audio).—Wallace B. Symmer, 63 Essex St., Beverly, Mass.

Imposter of Jack Little Is Sent to Prison for 2 Years

DAVENPORT, Ia.—Word received here by Little Jack Little states that Jose Padilla has been sentenced to two years in prison from Valeria, Mont. Padilla is alleged to have been the individual who fraudulently imposed himself on a number of western broadcasting stations as Little Jack Little, famous Radio artist and composer. Particulars of the arrest and prosecution of Padilla were not mentioned.

From Davenport the real Jack Little goes to the Nicollett Hotel, Minneapolis, and from there to the Hotel Fontenelle, Omaha, Nebr.

WOMAN'S PROGRAM INDEX (Daily Unless Indicated)

Household Economics, Women's Hour, Etc.

Eastern	Central	Mountain	Pacific
8:30 a.m.	8:30	7:30	6:30
WWJ (352.7m-850kc), Tonight's dinner.			
10			
WIP (508.2m-590kc), Menu, Tues, Thurs, Sat.			
WMCA (340.7m-880kc), Homemakers' club, Tues.			
10:15	9:15	8:15	7:15
KDKA (309.8m-970kc), Homemakers' chats, Tues, Fri.			
10:30	9:30	8:30	7:30
KVOO (374.8m-800kc), Mothers' hour.			
WTAG (545.1m-550kc),			
10:40	9:40	8:40	7:40
WFI (394.5m-760kc), Betty Crocker, Mon, Wed, Fri.			
10:45	9:45	8:45	7:45
KDKA (309.1m-990kc), Betty Crocker, Mon, Wed, Fri; WEEL (348.5m-860kc), Mon, Wed, Fri; WTAM (389.4m-770kc), Mon, Wed, Fri.			
WBCN (266m-1130kc), Home service program.			
10:55	9:55	8:55	7:55
KSAC (340.7m-880kc), Housewives' half hour.			
11			
WCC (285m-1050kc), Polly Porter.			
WOI (270.1m-1110kc), Homemakers' hour, Tues, Thurs, Fri.			
WSB (428.3m-700kc), Homemakers hour.			
11:10	10:10	9:10	8:10
WEAO (293.9m-1020kc), Homemakers' hour.			
11:15	10:15	9:15	8:15
WCAB (461.3m-650kc), Women at home.			
11:35	10:35	9:35	8:45
KYW (535.4m-560kc), Table talk.			
11:45	10:45	9:45	8:45
WCCO (491.4m-720kc), WDAF (365.6m-820kc), Betty Crocker, Mon, Wed, Fri.			
WNYC (526m-570kc), Home economics, Wed.			
12 n.			
WEBS (370.2m-810kc), Prudence Penny.			
WQJ (447.5m-670kc), Home economics.			
12:15 p.m.	11:15	10:15	9:15
KMOX (280.2m-1070kc), Cooking, household hints.			
12:30	11:30	10:30	9:30
KMTR (370.2m-810kc), Sylvia the blind cook, Tues, Thurs.			
12:40	11:40	10:40	9:40
WTAG (545.1m-550kc), Lydia Flanders, Fri.			
12:45	11:45	10:45	9:45
WNYC (526m-570kc), Recipes.			
12:55	11:55	10:55	9:55
KSAC (340.7m-880kc), Housewives' half hour.			
1			
KFI (467m-642kc), Betty Crocker, Mon, Wed, Fri.			
KGW (491.5m-610kc), Household helps.			
WSOE (245.8m-1220kc), Ladies' hour, Mon.			
1:30	12:30	11:30	10:30
KNX (336.9m-890kc), Household economics. Daily ex Sat, Sun.			
1:45	12:45	11:45	10:45
KFO (428.3m-700kc), Betty Crocker, Mon, Wed, Fri.			

Eastern	Central	Mountain	Pacific
2:05 p.m.	1:05	12:05	11:05
KJR (384.4m-780kc), Prudence Penny.			
WJZ (454.3m-660kc), Daily menu, ex Sat.			
2:10	1:10	12:10	11:10
KGO (361.2m-830kc), Prudence Penny.			
2:15	1:15	12:15	11:15
KOIL (305.9m-980kc), Shopper's aid.			
WJZ (454.3m-660kc), Dennison craft, Mon.			
2:25	1:25	12:25	11:25
WJZ (454.3m-660kc), Shopping service, Mon.			
2:30	1:30	12:30	11:30
KFNF (461.3m-650kc), Women's hour.			
KJR (348.4m-780kc), Shopping news.			
3			
WCCO (416.4m-720kc), Women's hour, Wed, Fri.			
WHB (365.6m-820kc), Ladies' hour, Mon, Wed, Fri.			
3:30	2:30	1:30	12:30
WSOE (246m-1220kc), Cooking chats, Mon.			
WIP (508.2m-590kc), Market hints for housewives, menus, Mon, Tues, Fri.			
WJZ (454.3m-660kc), Your daily menu.			
3:15	2:15	1:15	12:15
WHO (526m-570kc), Recipes, household hints, Tues.			
3:30	2:30	1:30	12:30
WHK (272.6m-1100kc), Housekeeper's chat.			
3:45	2:45	1:45	12:45
KFNF (461.3m-650kc), Ladies' hour, Mon, Tues, Thurs, Fri.			
4			
WIP (508.2m-590kc), Market hints for housewives, Tues.			
WOC (483.6m-620kc), Aunt Jane.			
WQJ (447.5m-670kc), Home economics.			
4:30	3:30	2:30	1:30
KMOX (280.2m-1070kc), Housewives' hour.			
WEAF (491.5m-610kc), WEEL, WLIT, WRC, Dennisoncraft, Tues.			
WLS (344.6m-870kc), Housewives' hour.			
5			
KOA (322.4m-930kc), Housewives' matinee, Tues, Thurs, Fri.			
WOS (440.9m-680kc), Mon, Tues.			
5:15	4:15	3:15	2:15
KYW (535.4m-560kc), Meat talk, John Cutting, Mon.			
WMAQ (447.5m-670kc), Mothers in council, Wed.			
6:30	5:30	4:30	3:30
KOA (322.4m-930kc), Question box, culinary hints, Tues, Thurs, Fri.			
WLW (422.3m-710kc), Cooking school, Wed.			
6			
KGO (361.2m-830kc), Hints for housekeepers, Wed.			
8:30	7:30	6:30	5:30
KUOA (299.8m-1000kc), Helpful hints.			
9:30	8:30	7:30	6:30
KOB (348.6m-860kc), Housekeepers' chat, Mon.			

"Aunt Sammy"

Eastern	Central	Mountain	Pacific
10 a.m.	9	8	7
WGBS (315.6m-950kc) Mon.			
10:30	9:30	8:30	7:30
WCSH (499.7m-600kc), WHO (526m-570kc).			
10:50	9:50	8:50	7:50
WMC (499.7m-600kc), Mon, Thurs.			

Eastern	Central	Mountain	Pacific
11 a.m.	10	9	8
WEAO (293.9m-1020kc).			
WOS (440.9m-680kc).			
12 n.			
WAMD (243.8m-1230kc).			
WRA (256m-1170kc) Wed.			
12:15	11:15	10:15	9:15
KWVG (277.6m-1080kc), Mon, Wed, Fri.			
1:10	12:10	11:10	10:10
KPO (428.3m-700kc).			
1:15	12:15	11:15	10:15
KPOA (454.3m-660kc).			
1:30	12:30	11:30	10:30
KFAU (280.2m-1070kc).			
1:45	12:45	11:45	10:45
WDAF (365.6m-820kc).			
2			
KOIL (305.9m-980kc).			
3			
KMA (461.3m-650kc); KSL (299.8m-1000kc).			
3:30	2:30	1:30	12:30
WHK (272.6m-950kc).			
4			
WOC (483.6m-620kc).			
5			
KXP (249.9m-1200kc), Tues, Thurs, Fri.			
WIDR (239.9m-1250kc).			
8:30	6:30	5:30	
KFDY (299.8m-1000kc), Wed, Thurs.			

Women's Clubs

Eastern	Central	Mountain	Pacific
11 a.m.	10	9	8
WOI (270m-1110kc), Federated Women's club, Wed.			
11:30	10:30	9:30	8:30
WNAC (430.1m-697kc), Women's club.			
12 n.	11	10	9
WBT (399.8m-750kc), Women's club.			
4 p.m.	3	2	1
WGN (302.8m-990kc), Woman's club.			
4:05	3:05	2:05	1:05
WCCO (416.4m-720kc), Minnesota Federation of Women's clubs.			
5:15	4:15	3:15	2:15
WMAQ (447.5m-670kc), Illinois Federation of Women's clubs, Thurs.			
6	5	4	3
KNX (336.9m-890kc), L. A. Dist. Federation Women's clubs, Fri.			

Fashions and Sewing

Eastern	Central	Mountain	Pacific
12:30 p.m.	11:30	10:30	9:30
WQJ (447.5m-670kc), Style talk.			
1:35	12:35	11:35	10:35
KPFB (428.3m-700kc), Fashion critic, Fri.			
2			
WGBS (315.6m-950kc), Excella dressmaking lessons.			
2:20	1:20	12:20	11:20
WJZ (454.2m-660kc), Wed. Fashions.			
5	4	3	2
WOS (440.9m-680kc), Fancy work.			

Eastern	Central	Mountain	Pacific
6:45 p.m.	5:45	4:45	3:45
KOA (322.4m-930kc), Fashion review, Tues, Thurs, Fri.			
7:55	6:55	5:55	4:55
WPG (299.8m-1000kc), Fashion flashes, Tues.			
8:45	7:45	6:45	5:45
WCCO (416.4m-720kc), Jeanne Gray.			
10:40	9:40	8:40	7:40
KHJ (405.2m-740kc), Fashions, Peggy Hamilton, Fri.			

Health and Beauty

IT'S CHILDREN'S HOUR IN RADIOLAND



Children's Hour at KHJ So Good That Even Grownups Delight in Hearing It

"Uncle John" Daggett, With Able Help of Queen Titania and Sandman, Becomes So Popular That Little Tots Dwelling Many Miles Distant Journey to KHJ Studios

By Elsa Brocker Harvey
CHILDREN'S hours, like children's books, ever hold a charm for many grownups. This is undoubtedly one reason why children's hour at KHJ, Los Angeles Times, the oldest broadcasting station in the city has become such a popular feature of the evening's entertainment in Radioland.

Uncle John, who is known all over the country for his genial announcing together with the Sandman and little Queen Titania have brought many a youngster from a good many miles distant to the visitors' room at KHJ for a glimpse of the elusive fairy who has helped to turn the bedtime hour for the wee ones throughout the city into one of so much pleasure. So popular have the stories become in which

(Continued on page 29)

WILL ROGERS, BEWARE! FOR TIMELY TOPICS AT KYW MAKE SORDID NEWS ITEMS JOYOUS



LOOK at this amiable couple and behold the KYW Follies!

Pardon! Wrong again—it is not the Follies—just Timely Topics.

But that is only another way of saying the same thing because Timely Topics only brings the doings of a Mauve Decade or a year, up to date by presenting a review of the doings of a day or a week.

And of course these two Follies are not broadcasting news from a pulpit. They see how it happens from the funny side of life. One may tune in KYW any Saturday night at 11 or 11:30 o'clock and

get a slant at the papers through pink glasses. No matter what happens to alarm the world Adolph and Rudolph put it all in the comic supplement.

Adolph, the merry gentleman in the dilapidated relic of the opera, is known to his more intimate associates as Ned Becker while his robust companion with the Hula Hula cravat and the non-de-air of Rudolph has his speeder slips made out to Bill Doyle. There is no excuse for them not making their ideas plain to all Radio listeners, as they are masters of the Dutch, Swedish and Gaelic dialects.

FRANK TILTON, BLIND PIANIST, TOGETHER WITH HARMONY FOUR, FAVORITES AT KPRC



of Mr. Daniel's is Frank Tilton, "our boy wonder pianist." Frank has been totally blind from birth, but the light that ever beamed from his eyes glows with doubled brilliance within his soul.

Without any piano instruction whatsoever he has mastered the keyboard and technique in a remarkable manner. His repertoire is almost endless and the music of the world is veritably at his finger tips all the time. A call for a number, and without a moment's hesitation, Frank is into it with skill and precision.

"Frank is KPRC's biggest feature," said Mr. Daniel, "and the most popular artist we have ever broadcast. He is destined for world fame, I am sure."



WHY do we not have more girl quartets on the air?

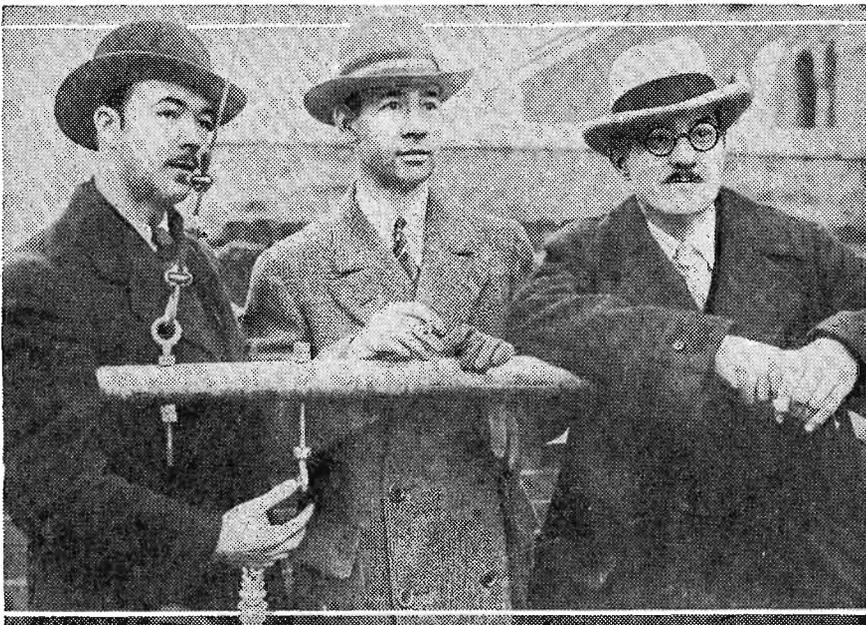
This question is prompted after listening at long distance to The Harmony Four at KPRC, Houston, Texas. Feminine voices have seemed the most difficult to adjust to the limitations of Radio transmission. But the crooners and the lullaby ladies have always proved satisfactory. Blended feminine voices also have seemed to melt into the microphone satisfactorily. There should be more female quartets like The Harmony Four. These Lone Star maidens are Miss Vivian Soby, Miss Violet Elder, Miss Florence Wood and Miss Eileen Ponton, in the usual picture order.

Alfred P. Daniel, the KPRC director-announcer, is alert for features and the Houston Post-Dispatch listeners never complain about the entertainment from this Texas station. Another happy find

City Council Would Bar Stations

MINNEAPOLIS.—A movement has been started in the City Council of Minneapolis to formulate an ordinance forcing all broadcasters to move their transmitting stations outside of the city limits. The matter has been referred to the city attorney's office to determine its legality. Such an ordinance would be the first of its kind.

THREE KNICKERBOCKER MIKETEERS



PRESENTING, ladies and gentlemen of the Radio audience, three well-known miketeers of the Knickerbocker main.

However, we have to our port side the gentleman in the sheet-iron kelley in the act of seizing the belaying pin for such sinister purposes as we know not, Mr. Norman Brokenshire, erstwhile announcer at WJZ, then at WRC, later back to WJZ and more recently associated with the Arrow Amusement company.

In the center, the square set gentleman in gray with the striped hat band, the well-aimed cigarette in his right hand, two gloves on the left, is none other than Mr. Walter Neff, former pilot of WAHG, now called WABC. Note the sturdy stick ready for instant use to repulse any belligerent intent that may be in the mind of Mr. Brokenshire as the latter reaches for the weapon so frequently used aboard ships for murderous assault.

To port, confident and reposeful although there is a grim and purposeful set to the jaw, we have Mr. J. Lewis Reid, whose name for some time became vividly associated with the call letters, WFBH. All up and down the American Atlantic and far inland, these three miketeers have touched at every port and countryside. Their voices are known to millions. And here they are, ladies and gentlemen of the Radio audience, face to face you meet them—on a strange, new craft today; on a world-famed cruiser tomorrow. They come and go together.

Is Child Prodigy



SOME day you are all going to hear and see a lot of the little girl shown in this picture, shaking her finger at a microphone. Her name is Phyllis Kono, four years old, whose mother is a descendant of the Emerald Isle, and whose father came from the Island of Japan. The Konos all live very happily in Atlantic City, where Daddy Kono is a successful merchant.

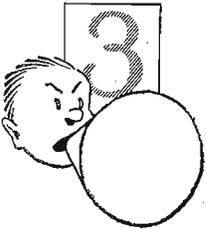
Phyllis, who first opened her eyes on this earth only a little over four years ago, (Continued on page 29)



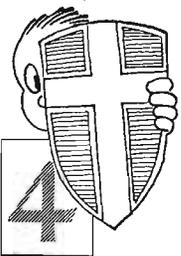
Single drum control enables you to get stations in the dark. Drum turns under slightest pressure of finger. The stations are a slight turn of the drum apart. Station letters can be written on drum to be returned to at will. Nothing in radio equals the convenience of single drum control.



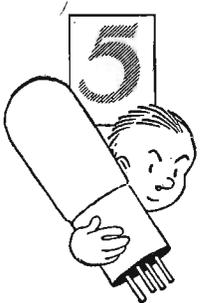
"Acuminators" (an exclusive Crosley feature) so sharpen tuning that weak distant stations which are entirely missed because of the limitations of ordinary one dial control sets are easily picked up and satisfactorily brought in on the loud speaker. Stronger stations come in without adjusting Acuminators.



The "Crescendon" (an exclusive Crosley feature) enables you to increase volume of distant signals to room filling proportions. Not necessary to strain the ears to catch stations miles away, a turn of the Crescendon instantly swells reception. This device makes much far away broadcasting equal in volume of local nearby stations.



All metal shielding from the steel chassis on which radio elements are mounted increases reception efficiency greatly. Such shielding prevents interstage, external coupling and improves stability of circuit, as well as simplifies manufacturing costs.

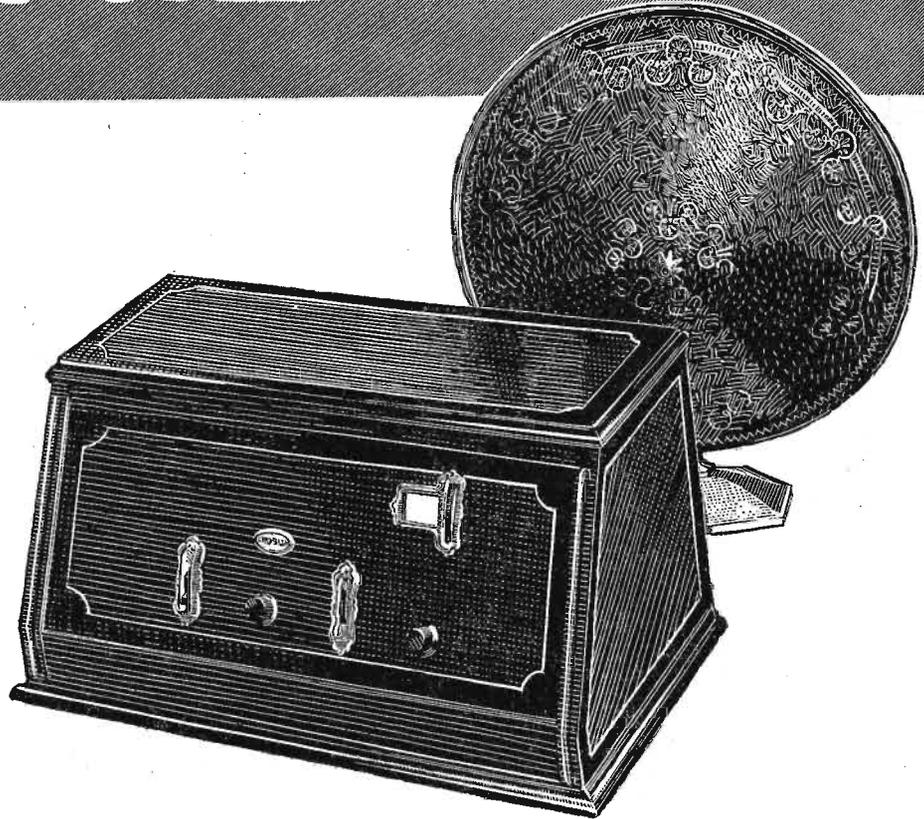


Power tube adaptability marks the Crosley "5-50", the "5-75" and the RFL sets. This feature typifies Crosley provision for the best radio reception at moderate cost. Enables you to increase volume on weak signals.

CROSLLEY

BETTER — COSTS LESS

RADIO



5 advanced features mark this amazing

SINGLE DRUM CONTROL SET

an incomparable
radio value at..

\$50.

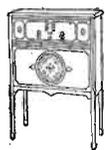
It's wonderful. A radio that delivers entertainment and pleasure as you would expect it from the most costly apparatus. One finger operates it. Station selector—the drum dial—provides space for station letters to be written where they can be returned to at will. The exquisite finish and fittings of cabinet are in line with far more expensive radios. This set is a definite tribute to Powel Crosley, Jr.'s ability in manufacturing standardization and mass production. It's difficult to estimate what the price of this 5-50 would be if they were made in small quantities instead of by the thousands daily.

Write Dept. 49 for Descriptive Literature

The Crosley Radio Corporation
Powel Crosley, Jr., President
CINCINNATI, OHIO

Crosley sets are licensed under Armstrong U. S. Patent No. 1,113,149, or under patent applications of Radio Frequency Laboratories, Inc., and other patents issued and pending.

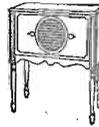
Prices slightly higher west of the Rocky Mountains.



At left is the 6-tube R. F. L.-90, Crosley's non-oscillating perfectly balanced tuned radio frequency set. True cascade amplification achieved through use of Wheatstone bridge in each stage of amplification. Musicone built in. 40 inches high \$90.



Sketch at left is the 5-50 table model featured in this advertisement enclosed in a beautiful two-toned mahogany console with super-musicone built in. Stands 40 inches high. Ample space for all batteries and accessories. \$75 without accessories.



The Musicone, pictured at left, is a welcome radio accessory to many homes. Hide unsightly wires and batteries within its ample depth. Crosley Musicone skillfully concealed. Mahogany finish. Makes a console set of your present table model.

The secret of the popularity of this biggest selling loud speaker on the market lies in its actuating unit. This and NOT the cone shape is the reason for its perfect reproduction of all audible sound. BEWARE of imitations. There is only one genuine Musicone. It is built solely by Crosley under mass production methods which makes its unmatched value possible.



1927 De Luxe: the Finest Super

PART I: Build This "Rolls Royce" Set and Tune in the Philippines Through Local Chicago Interference, as One Listener Has Done.

By MARVIN W. THOMPSON

THIS receiver is the culmination of a long-felt desire on my part to assemble into one outfit all the parts which, from experience, I thought should result in the greatest possible range, selectivity and natural reproduction. Since a Radio set must also be an attractive piece of furniture, the appearance was to be pleasing to the eye and controls symmetrically arranged. The builder, I believe, will be interested in the reasons for my choosing certain units in preference to others, so we will take this up first, and also touch on the why of the layout of parts.

There are many makes of super-heterodyne units on the market and having what might be called a "super complex," I've built just about all of them. They're all good. Using any of them in a carefully built assembly one can outdo a tuned R. F. outfit. However, St. James have incorporated in their parts some features that make them seem preferable in this deluxe outfit.

St. James Units Ideal

Of outstanding importance, from my viewpoint, is the small size of the coils. Intermediate coils can be reduced in diameter without loss in efficiency, something that cannot be done with tuned R. F.

it, it doesn't have to be mounted behind the panel, nor do you have to wreck the set to put it on. Instead, one merely slips it on the condenser shaft, tighten the set screw and that's all. And what efficiency! The ratio is 63 to 1 between the front gripping surface and the main dial. Course tuning is done by merely pushing the fingers forward, then when one pulls the fingers back, close to the edge, there is a smoothness of rotation that can only be called "liquid-like." No trace of gears meeting, no slipping and—NO back-lash. Just immediate, almost imperceptible rotation of the main dial. For tuning a super-heterodyne there is nothing anywhere that approaches Karas Micrometric dials.

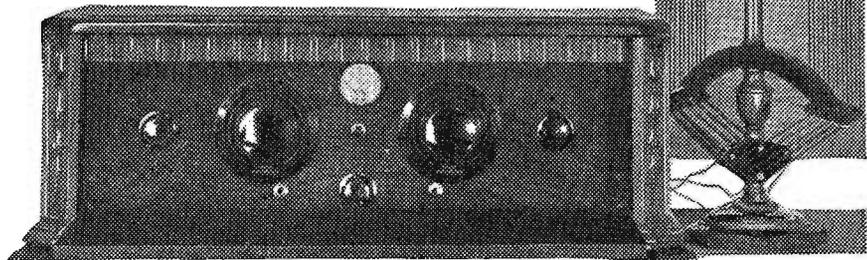


Figure 1—Completed 1927 DeLuxe Super in Cabinet and Attached to Loop

THE writer of this article, and the two which follow, is not so well-known to Radio Digest readers as his many previous articles have appeared under several noms de plume. In Radio circles, however, he has friends with practically every well-known maker of parts and sets and is in a position to know the innermost details of both manufacturing processes and tests. Since at this time he is neither connected with any manufacturer nor publication, his choice of parts and his design have been without bias and precisely as his years of experience thought best. Incidentally, he was building sets and "pounding a key" back in 1909.

During the war Mr. Thompson was in the air service at both the Air Service Radio Telephone School at Columbia University and the Advanced School for Practical Work at Guerstner Field. A little later he was with DeForest, then the Radio Corporation, still later with Freed-Eisemann and, during the 1924-25 and 1925-26 Radio seasons he was Technical Editor of Radio Digest. —THE EDITOR.

curves shown below indicate the success attained." That is all.

I get a large chuckle out of that; I've written the advertising on a few American makes myself and no American piece of literature on a unit as perfect as this would run less than four paragraphs. So we'll give the maker a little help and I'll tell you a few more reasons why the use

give even amplification of all the notes we must hear in order to resemble natural reproduction. How well each maker succeeds in making his audio transformer pass all notes with equal increase depends on both the materials used and the design.

For good handling of low notes, Ferranti has put in a large cross-section but well-laminated core, as high a winding

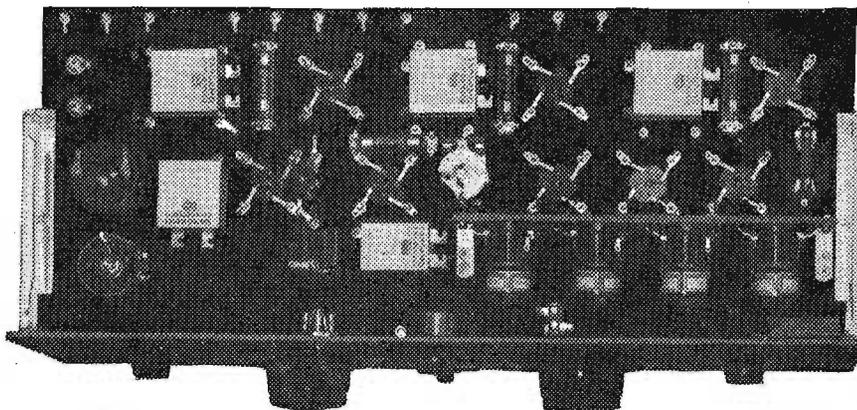


Figure 2—Bottom of Sub Base, Showing Special Mounting of St. James Transformers

coupling arrangements. St. James have brought the diameter down to one inch, a feature which results in less pick-up of stray currents on the intermediate wave length and less interaction between the fields of these units on strong signals. This makes for easier control and greater stability.

Another point for which the experienced builder looks, is the amplification factor and tests show that of the St. James transformer to be very high. Matching of transformers is also very important and, being right here in Chicago, I happen to know that Mr. St. James does this work himself rather than entrust this operation to a subordinate. Last, but certainly not least, is the 240-kilocycle feature, which is good because there will be less oscillator repeats and there is comparatively little Radio activity on the wave length of 1,250 meters, the length corresponding to the 240-kilocycle frequency.

Karas the Incomparable

Personally I always feel, when holding a Karas condenser, that I have in my hand a beautiful piece of mechanism. The care in design and construction is apparent even to the inexperienced builder. The plates are not only inserted in slots in the supporting bars but are carefully and individually soldered there. The rotor shaft is large in diameter for ruggedness and revolves at each end in perfectly machined, adjustable bearings.

When inspecting one, note the distance at both front and back between the active plates and the end plates. These end plates have gone far in design from the old Bakelite disks of 1920. They are of heavy brass, skeletonized, and thicker than one ordinarily finds. Then there is the well-anchored pig-tail, and, of course, the straight frequency line tuning. There may be other makes that approximate true S F L tuning but I have seen none that, with the proper coils, will give as true a line when stations are plotted by frequency on graph paper. Most of the short wave experimenters seem to prefer Karas condensers in their work and the laboratory condenser has not been found that can accurately measure the very small losses in these units. Probably, in many cases, the Karas could be used to measure the losses in the laboratory's "standard."

The average set builder may not be as familiar with Karas dials as with this make of condenser and transformer. The dial is a comparatively new item in the line. No! It hasn't any electric lights in

Ferranti—from Dear Old England
With typical English brevity, the makers of the Ferranti audio transformers specified say on their folder only that "Type A. F. 3 has been designed to improve loud speaker results and the

of the Ferranti audio transformers is worth their price.

Requirements for handling low musical notes are considerably different from those to efficiently handle very high notes, and any transformer is a compromise to

ratio as they found practical, and a very large primary with an inductance value of 80 Henries. This is larger than the chokes now on the market for taking the ripple out of B eliminators. Incidentally, I understand there is about 2½ miles of fine wire in a Ferranti transformer.

With appreciation of the fact that high notes also must go through, and be amplified in correct proportion to low notes, Ferranti have cut up their large windings into well-separated sections to reduce inherent capacity of these windings and eddy current losses. The result is a curve which is beautifully straight from well down in the range of human voice clear up to an audible frequency of around 5,000 vibrations per second. It is in the higher ranges that the harmonics occur and it is harmonics that make music beautiful; that enable you to distinguish one instrument from another, and that make reproduction either "tinny" or natural.

In the lower notes of the voice range there is a slight falling off and down in the lower organ notes it runs as high as 25 per cent but that is very little compared to many audio transformers on the market.

Speaking of Meters

For consistently good results, in preference to "now and then" operation, a good super should have meters. It is not enough to put in good parts and good workmanship. There must be careful operation. For this, meters are needed, and I have specified two. By all means use the voltmeter on the front panel; if one must be omitted because of short finances, disregard the milliammeter I have placed on the sub base. This milliammeter is a great help to one who takes pride in his receiver performance, and several uses for it will be described later, but it is not as necessary as the voltmeter.

The meters used are Jewell model 135. In them, Jewell has kept all the precision and laboratory features of larger case instruments, while the outside diameter of the main case is only two inches. This is small enough to present a pleasing appearance on a seven-inch panel without forcing the makers to lower efficiency.

The mounting of this series is unique in that instead of drilling three small holes close to the larger hole for securing to panel, the outer case clamps against the back of the panel while the flange holds the instrument in front.

In this special series of instruments, a number of very desirable voltage or current ranges are available and, in our

(Continued on page 27)

LIST OF PARTS

- | | |
|---|---|
| <p>St. James Laboratories, 845 Washington Blvd., Chicago:
 4 St. James Intermediate Transformers @ \$7.50
 1 St. James Oscillator Coil @ 5.00
 1 St. James Choke Coil @ 1.50
 Karas Electric Co., 19 S. LaSalle St., Chicago:
 2 Karas Orthometric Condensers, .0005 mfd. @ \$7.00
 2 Karas Micrometric Dials, 0-Left @ 3.50
 Ferranti, Inc., 130 W. 42nd St., New York City:
 2 Ferranti Audio Transformers, type AF 3 @ \$12.00
 Benjamin Electric Mfg. Co., 120 S. Sangamon St., Chicago:
 8 Benjamin Baseless Sockets, type 9044 @ \$0.50
 1 Benjamin Pair Brackets, type 8629 @ .70
 International Resistance Co., Perry Bldg., Philadelphia:
 1 Durham Metallized Resistor, 2 megohms @ \$0.75
 Hammarlund Mfg. Co., 424 W. 33rd St., New York City:
 1 Hammarlund Jr. Midget Condenser, MC-5, 16 mmfd. @ \$1.80
 Jewell Electrical Inst. Co., 1640 Walnut St., Chicago:
 1 Jewell Voltmeter, 0-8, type 135 @ \$7.00
 1 Jewell Milliammeter, 0-25, type 135 @ 7.00
 Formica Insulation Co., Cincinnati, Ohio:
 1 Formica Panel, Walnut, 7"x 2 1/4"x 3/16" @ \$4.20
 1 Formica Panel, Black, 9 1/4"x 2 3/8"x 3/16" @ 4.60
 The Radiall Co., 50 Franklin St., New York City:
 3 Amperite Filament Resistors, type 1A @ \$1.10
 1 Amperite Filament Resistor, type 112 @ 1.10</p> | <p>Sangamo Electric Co., 50 Church St., New York City:
 4 Sangamo Bypass Condensers, 1 mfd. @ \$1.25
 2 Sangamo Bypass Condensers, .5 mfd. @ .90
 1 Sangamo Fixed Condenser, .006 mfd. @ .85
 1 Sangamo Fixed Condenser, .0025 mfd. @ .40
 1 Sangamo Pair Grid Clips @ .10
 Herbert H. Frost, Inc., 160 N. LaSalle St., Chicago:
 1 Frost Bakelite Rheostat, 6 ohm, type 800 @ \$0.75
 1 Frost Bakelite Rheostat, 20 ohm, type 820 @ .75
 1 Frost Bakelite Potentiometer, 400 ohm, type 824 @ 1.00
 1 Frost Gem-Jac, Double Circuit, type 951 @ .45
 1 Frost Super-Variable Resistance, 500,000 ohm, type 895 @ 1.25
 1 Frost Pair Cord Tip Jacks, type 253 @ .30
 2 Frost Pair Push-Pull Switches, type 608 @ .30
 Miscellaneous from Any Radio or Hardware Store:
 3 doz. 1/2-inch round head brass machine screws, 6/32.
 2 doz. 1/2-inch flat head brass machine screws, 6/32.
 5 doz. hexagonal brass nuts, 6/32.
 2 doz. soldering lugs.
 1 doz. lengths Celatsite bus bar, any color.
 11 Binding Posts, Preferably "Eby," with These Markings:
 3 marked Loop, 1 marked plus A minus B, 1 marked minus A plus C, 2 marked minus C, 1 marked plus 22, 1 marked plus 45, 1 marked plus 90, and 1 marked plus 180.</p> |
|---|---|

(The Radio Digest Shopping Service will purchase all or any of the above specified parts, at the prices listed, for builders of the 1927 DeLuxe Super who may be located in isolated communities or unable to obtain the parts from local dealers. Address: Shopping Service, Radio Digest, 510 N. Dearborn St., Chicago, and enclose express or postal money order covering total cost of parts ordered.)

GOODY GOODY GIRL

CHARACTER and Truth Hold Lois Faithful to Her Ideals of Right as She Faces More Temptations. Can She Conscientiously Marry Raymond Lancaster?

CHAPTER XIII

A Confession

By *MERLIN MOORE TAYLOR*

RURNING from a daily quest for work—her lack of experience was proving a tremendous handicap—Lois, several days later, was met in the hall by Mrs. Trickett, who laid a finger on her lips in an admonition for silence and beckoned her into a room off the hall.

"A man's here asking for you," she said. "He seems quite determined, insisted upon waiting, said he wouldn't go until he'd seen you—I showed him into the parlor."

"A man?" Lois' heart skipped a beat. A detective? Had she been tracked down after all? Was she to be arrested, made the "goat" for Victor Jermin, as he had predicted? "What kind of a man, Mrs. Trickett?"

The landlady's description was vague. "I think, though, he's a gentleman," she added.

Lois considered. A policeman wouldn't strike Mrs. Trickett as a "gentleman." "I'll see him," she said and went to the parlor door. It was Raymond Lancaster who awaited her. He rose eagerly and came toward her.

"Lois! I've hunted all over for you—" The light died out of his face, the smile vanished from his lips. "You aren't glad to see me, yet I've come in sackcloth and ashes, ready to grovel at your feet—would it be asking too much of you to come over to the park to hear what I've got to say?"

His pleading eyes stopped the refusal that rose to her lips. It was going to be no easy task to break with him as she had done with Jermin and Mildred. If there was going to be a scene—

"I'll come," she said.

DURING the few blocks to the park they said little. But when he had ensconced her upon a bench in a grassy plot under the trees he at once went straight to what was in his mind.

"Neil Becker came to me a few days ago and admitted like a man that he had lied about you," he said. "It made me see red. If he hadn't had a broken arm—he was rather evasive as to how it happened—"

"He insulted me and I hit him with his own stick."

"You did? Bully for you! Evidently there must be a decent streak in the fellow and you roused it—but let that go. I came to you to beg from the bottom of my heart that you'd forgive me for—"

"Please. You hurt me horribly, but I don't want apologies. I'll forgive you, yes. Now, if that's all—"

"It isn't. I want you to marry me. You must know that I love you."

Yes, she told herself, she did know it. And she liked him, too; better than any man she knew. The one kiss he had given her had thrilled her, but—

"I'm sorry," she said. "What you ask is impossible. I cannot marry you. In fact, I hope never to see you again. I'm through with—"

"Nonsense. Mildred told me you had some such idea of cutting away from all of us, severing all relations—"

"It's not nonsense," she contradicted. "It's the only thing to do. Your kind of people are not my kind. Your kind of life is not mine. I don't fit. I don't want to fit. I—"

"What do you mean my kind of people, of life?" he broke in.

"YOU know the set you run with and their lives," she replied impatiently. "Goldfish, human goldfish. People with money, idle hands, idle brains; hard put to it to kill time from one day to the next, jaded, bored, but unwilling or unable to do anything about it. Goldfish in a bowl, that's all. I've had a whirl at it. No more for me, thanks."

"Now I'm more sure than ever that I want to marry you," he asserted. "And I'm no goldfish. I hate them as much as you do. I have only contempt for them. Their silly lives disgust me. I—"

"But—," she began.

"I know what you're going to say. Let me say it for you and answer it, too. You've thought I was connected with a bond house on La Salle street. I am—as a salesman, a plain, every-day salesman just like a couple of dozen others who work there. You've thought I was rich. I'm not. I own a few thousands, but I've earned them, just as I earn my daily bread and that of my mother and my sis-

ter. You think I play around with the people you've called goldfish because I was one of them. I don't. I mingle with them and pretend to be one of them and to have the same interests because it's good for me in a business way. They buy my bonds because they know and like me. Do you think I'd pick a Victor Jermin—a bootlegger for all that he deals in truck loads where others deal with cases—do you think I'd pick him for an associate unless he salted away his profits in my bonds?"

"Do you think I'd have anything to do with a Neil Becker, who handles only schemes that squall aloud for public support unless he bought my good safe bonds—or did until we broke? Do you suppose for an instant I'd have been on terms of friendship with a Mildred Gayton, until a week ago no better than a woman of the streets, if she wasn't smart enough to put by for a rainy day by investing the money she's been able to get out of Becker in what I have to sell?"

"WHEN I ask you to marry me, I'm not dazzling you with any hopes of a luxurious apartment, a fine motor car, a handfull of servants, silks

and satins, jewels—none of that. I can afford a small place or a cottage like that in which I live with my mother and sister now, if you prefer it. When I'm not using it in business you can have the roadster. Perhaps, if you're a good manager, we could afford one all-around servant—you get the idea, don't you? On top of that, I love you. Now—will you marry me?"

He had astounded her, left her gasping, by his confession. It was incredible. Not once in the circles in which he moved and into which she had dipped so briefly had she heard even a hint of such a thing. She was quite certain that he never had confided in anyone else just what he had told her. As evidence that he really loved her, it was most convincing.

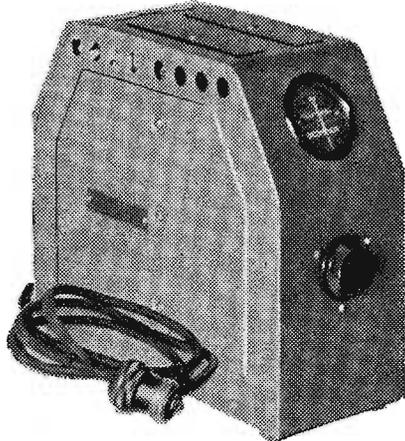
Temptation assailed her. Believing him wealthy, beyond the necessity of working and just playing at it she would not have married him. But in the face of his revelations, what did it matter if she did not love him as she always had expected to love the man she would want to marry? He offered her security, a home, a chance to do the things she wanted to do—

Evidently he misunderstood her delay in answering him, for he broke in: "You're fighting against your instincts, I think."

THE LATEST IN RADIO ACCESSORIES

Crosley A Power Unit

SIMPLIFICATION in Radio receiver operation has attracted the attention of engineers from the time when the public first became aware of the tremendous possibilities of the broadcasting art. The Crosley Radio Corporation, in Cincinnati, has just placed a new A power unit on the market which takes the place of batteries. The unit is shown below.

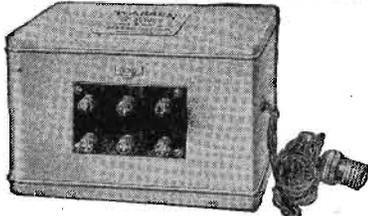


It is not a trickle charger and operates only when the receiver is in use, inasmuch as it is automatically controlled by the filament switch on the set. The voltage output is constant, despite variations that may occur in the power supply line voltage.

This unit will supply power for from three to eight vacuum tubes. Its maximum output is two amperes. A plug receptacle in the rear of the unit permits the attachment of a B eliminator, thus making both the A and B power units automatically controlled.

Warren B Eliminator

THE Warren Electric company of Peoria, Ill., has been successful in producing a B battery supply of 150 volts capacity at an unusually popular price. The manufacturers claim their



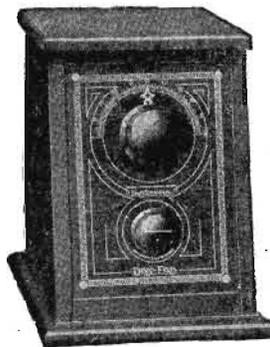
product gives constant, unvarying power to any set up to ten tubes and will operate power tubes also.

The Warren B eliminator has no variable resistance, but does have 150, 90, 67½, 45 and 22½ volt taps to give correct voltage. It also does not employ acids or tubes. The makers claim the eliminator costs less than one dollar a year to operate; gives full tone reception; is easier to hook up than a set of batteries; cannot blow out receiver tubes from short circuit; needs little more attention than a loud speaker; is simple, compact, free from distortion; wonderfully well made of finest materials, beautifully finished in old gold color; bears the stamp of approval of Radio laboratories and is unconditionally guaranteed.

The device weighs but 17½ pounds, measures 5½x8x9 inches and is intended for connection to 110 volt, 60 cycle, alternating current.

Day-Fan Fantenna

THE effectiveness of Radio reception has been greatly increased with the use of the Fantenna, a new development recently announced by the Day-Fan Electric company, of Dayton, Ohio, which multiplies the pleasure in Radio reception by making possible the clearer reception of an increased number of programs. The Fantenna is adapted to the majority of six and seven-tube receivers and will bring in distant stations hardly audible from ordi-



nary antenna reception. When used with an antenna of normal length the Fantenna will afford the equivalent of nighttime reception during the daytime with surprising volume and clarity.

The Fantenna has proved very practical when operated from inside antenna or short length of wire in congested districts, apartment houses, office buildings and similar locations.

The installation is simple, requiring only the connection of three wires, all of which are supplied with the Fantenna. The device increases B battery life by reducing the amount of current used. No additional tubes are necessary.

Woman was cut out for motherhood but you're thinking only of a career, your singing. Do you realize how much enters into a career beside ability? Health, vitality, training—a lot of things—and opportunity. Who's going to give you a chance—you a little Miss Nobody from Nowhere, to speak bluntly?"

"I'M not thinking of a career," she said slowly. "I have learned that I lack even ability. I'm thinking how dishonest it would be, how unfair to you, to say 'yes' when I don't love you, when the only emotion I feel toward you is liking. I do like you. I respect you. I—"

"I'll take a chance that I can make you love me, Lois. I'll take you on any terms; if not love now, then liking, respect."

She shook her head. "It wouldn't be fair to me, because someone might come along later. I can't say 'yes'."

"Well, don't say 'no,' either," he begged quickly. "Don't say anything. I'll wait. Give me a chance. You intended to cut me off tonight, didn't you? Don't do it. Let me see you once in a while, let me try to sell myself to you."

"It may do no good, probably won't," she warned. "In the end it may be harder for you and me, too."

"It isn't because you know I'm a bluff, that I have no money? I haven't lost ground with you because of that?"

"You've gained it," she told him. "I don't care about money. If I had—Mr. Jermin asked me to marry him last week."

"The devil! Jermin? You passed up a cool million at least there. Well, shall we let things stand as they are? Good! Now, if you'll go to dinner with me. The refectory over there—"

Several nights after that on North Clark street—she had eaten a solitary dinner downtown and elected to walk to Mrs. Trickett's—Lois saw just ahead of her a youth, she judged him to be, walking slowly and casting frequent glances over his shoulder in her direction. There were not many people on the street and half a block further along a building in the process of construction and material for use in it made a dark canyon of the sidewalk that she did not fancy. As a precaution she crossed the street.

THE youth did not seem interested in her. He stopped beside a lighted window and divided his attention between a display of food and watching the street along which he had come. As she came abreast of him, but on the other side of the street, she caught a glimpse of his face. Herbie Coles!

But what a change from the dapper, cocky youth he once had been! Even from where she stood she could see that his clothing was rumpled, his face unshaved, his manner dejected. She stopped, debated whether she should cross over and speak to him.

As she watched he leaped toward a great pile of bricks beside the curb, snatched up one and hurled it through the window. Then he reached through the shattered glass, seized a handful of what was being displayed and took to his heels.

Ignoring the outcry that followed, the rush of people to the broken window, Lois started walking swiftly in the direction which Herbie had taken. He stopped running after a bit, slowed down to a saunter and thus she was enabled to keep him in sight and see that he turned into the door of a dingy little hotel a block away.

Impulsively she crossed back to the other side and went into the hotel, too.

"I'd like to see the young man who just came in," she said to the elderly man reading a newspaper behind the tiny desk.

"Go right on up. Room 207," he told her and went back to his paper. Apparently such a thing as conventions did not enter into consideration here.

LOIS took the stairway he had indicated by a wave of the hand. The carpet was almost threadbare, the steps creaked. The hallway above was narrow, poorly-lighted, illy-ventilated. She quickly found 207, tapped upon the door. There was no answer. She tapped again.

"Herbie," she called.

A key grated in the lock, the door was jerked open.

"Lois Sylvester!" cried Herbie Coles. "What are you doing here?"

"Calling on you," she returned evenly and when he made no move to ask her in, pushed past him into the shabby room. "Close the door. I want to talk to you."

(Continued on page 23)

Bremer-Tully's New Power-Six

*How to Build It to Operate Entirely
from the House Electric Lighting Supply*

By GEORGE R. IVES

A LITTLE over a year ago Radio Digest published a series of articles describing how to build the Bremer-Tully Counterphase, the perfect bridge tuned R. F. set. The success of the Bremer-Tully Counterphase circuit during the past year has established its continued popularity. The selectivity and sensitivity of the three stages of stabilized tuned radio frequency amplification appeal alike to the DX listener and those located in a maze of powerful stations.

The successful operation of the three stages of radio frequency is due to the patented Bremer-Tully Counterphase method used to counteract the tendency of radio frequency stages to oscillate. The efficient design of the Bremer-Tully Torostyle transformers insures an efficient energy transfer from stage to stage and freedom from the difficulties of inductive coupling which is unavoidable with solenoid or single layer wound coils.

Two-dial control of the four-tuned circuits simplifies tuning to a degree to which none can seriously object. The methods employed insure exact resonance between all stages without materially adding to the difficulties of tuning.

Power-Six Is Batteryless

Now Radio Digest will describe the Bremer-Tully Counterphase Power-Six circuit, operated direct from the electric light socket. This is made possible through the use of the Bremer-Tully B-Power Unit, which affords a positive and dependable source of plate current, and

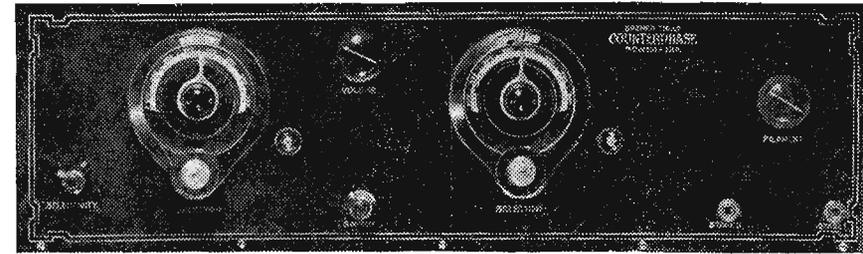


Figure 1.—The Front Panel Presents a Very Finished Appearance

amplification. Although fundamentally the same as the Counterphase Six, it has been materially improved by the use of a power tube in the last stage of audio frequency.

Improvements in Circuit

Another new feature is a resistance just outside of the tuned circuit in series with the grid. Although this resistance does not alter the amplification properties of the tube, it assists in the stabilization of

The set is tuned with two Bremer-Tully control dials which have a ratio of 12 to 1.

Has Two Degrees of Antenna Coupling

Two degrees of antenna coupling are provided in order to adjust the set to the selectivity and sensitivity requirements of the individual locality and antenna. A Carter number 3 jack switch is used to control the amount of energy which is fed from the antenna to the set.

Four CX-201A tubes are used for the three stages of radio frequency and for the first stage of audio. The new CX-200A tube is employed as detector because it has greater sensitivity than the ordinary detector tube and is especially effective in bringing in weak signals. It also does not require critical adjustment of the filament or plate voltages. In using the CX-300A tube Cunningham recommends that it be lighted for a period of three minutes before tuning in distant or weak stations. This permits the tube to attain the extra sensitive condition, because the internal parts will have reached constant temperature. On local, strong stations it will not usually be necessary to wait for the tube to reach the sensitive condition.

One CX-112 power tube is used in the second audio stage.

C batteries are connected in both the radio and audio frequency stages. These greatly improve the all-around performance of this receiver and prevent overloading of the tubes. Two 4½-volt Eveready C batteries are employed.

Assembly Directions

Figure 1 shows the front view of the panel. The engraved panel gives the receiver a finished and manufactured appearance.

Figure 2 shows a top view of the baseboard layout without the wiring. It is advisable to mount all of the sockets first, being sure to place them in the same position as shown on the baseboard layout accompanying the kit. Then mount the MMF condensers, the radio frequency chokes, the grid leak, audio transformers and binding posts.

The Torostyle transformers should be handled with care and mounted last. Be sure that coil TA, the first coil on the left of the baseboard directly in back of the antenna binding post, is mounted in its proper place. The three TC coils are mounted between the sockets as designated on the baseboard layout.

Before attaching the panel to the baseboard, mount the instruments on the panel; first the Carter Jack switch at the extreme left (looking at the front), then the volume control and the Carter Imp Filament switch. The Carter 3-ohm Imp rheostat is mounted in the hole at the extreme right of the panel near the top. The two holes at the bottom are for the two jacks. The Carter double circuit jack No. 104 is fitted in the left hole and the Carter single circuit jack No. 101 in the right hole. The two condensers are mounted last.

The next issue of Radio Digest will contain the wiring, balancing and tuning instructions and directions for connecting the A and B current supply units.

Wave traps, for best efficiency in filtering out undesired stations, should either be in completely shielded cases, or placed four or more feet away from the receiver. Often traps do not function because these precautions are not observed.

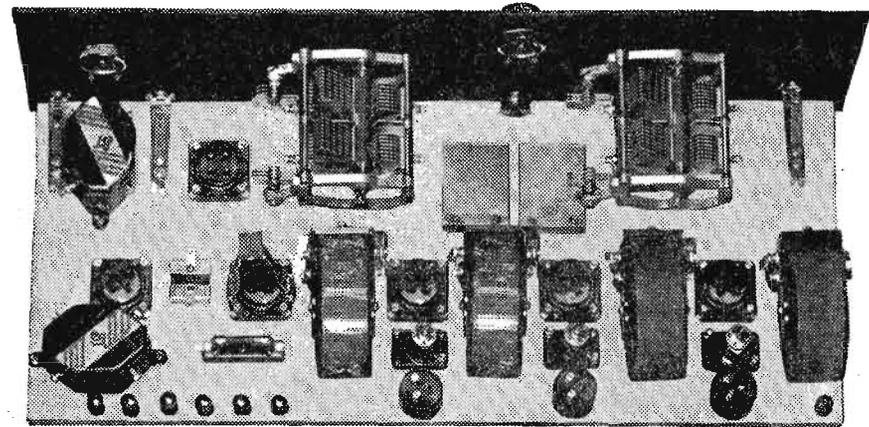


Figure 2.—Rear of Panel and Baseboard with Parts in Position

by obtaining A power by running the alternating current from your light socket through a Model J Balkite battery charger and then through an Andrews Abox filter. The Abox filter is connected direct to the set in place of a storage battery, making a dependable A power supply. The connections and operation will be fully described in the next issue of Radio Digest.

This circuit employs three stages of tuned radio frequency amplification, a detector and two stages of audio frequency

the circuit and, still more important, it eliminates one of the greatest general difficulties observed in the past in regard to amplifiers, in maintaining the sensitivity constant over the entire range. This new resistance arrangement, properly balanced with the Counterphase feature, makes the sensitivity almost constant over the entire broadcasting band. It practically eliminates the necessity for a variable adjustment in the sensitivity control, thus affording greater simplicity in construction as well as operation.

Radio frequency chokes are added to the plate circuit of each radio frequency tube and the "Mikro Mike" condensers have been improved to make easier the balancing of the set.

All of these refinements make the Counterphase Power Six more selective, easily balanced and simple to operate.

Essential Kit Made with Care

The essential units for the construction of this set are marketed in one complete kit by the Bremer-Tully Mfg. Co., and in developing these parts, this firm has gone the limit in efficiency. This kit contains, one TA Torostyle Transformer; three TC Torostyle Transformers; two LD-17 condensers, three MMF condensers, three radio frequency chokes, one 500,000-ohm resistance; three 1,500-ohm resistances, socket wrench, 50 soldering terminals and a set of very exact size color charts and understandable wiring diagrams.

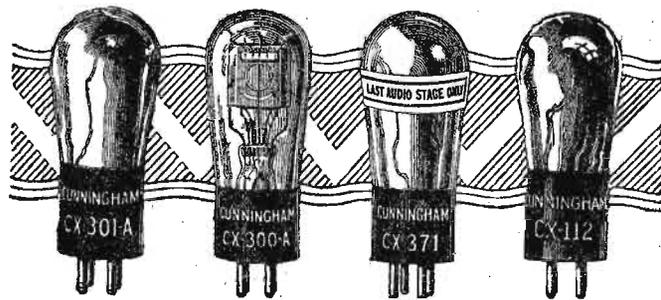
In order to build this excellent set it is necessary first to buy the kit. To try to make these coils or parts would not only cause needless trouble but cut down considerably the efficiency of the receiver. The color charts and diagram accompanying the kit give exact size templates for drilling the front panel and for placing the instruments on the base-board. For this reason we will not show these two diagrams.

The sockets used are the new Bremer-Tully absorber type, five of the UXA type and one type UXD, which is a special shockproof model with extra side absorbers designed for the detector tube.

The panel is drilled and engraved Mircarta 7" x 24" panel as manufactured by the Westinghouse Electric and Mfg. Co. Formica also makes a drilled and engraved panel which may be used. The sub base is of wood, 9 3/4" x 23 1/2".

Two Bremer-Tully "Euphonic" audio transformers are used, one with a ratio of 2.2 to 1 and the other, 4.7 to 1. These transformers help to make the faithful tone quality for which this set is noted.

Cunningham RADIO TUBES



The Tubes That Fill Millions of Sockets

Every radio receiver requires one tube as a detector, one tube to feed adequate undistorted power to the loud speaker and may have one to six or more stages of intermediate radio or preliminary audio frequency amplification. If your receiver is designed for 5-volt tubes, the right combination includes a special detector, CX-300A, a power output tube, CX-371 or CX-112, and CX-301A in all other sockets.

Consult your radio dealer. He will tell you the right combination of Cunningham Radio Tubes for your receiver.

CX-300A, CX-371, CX-112, CX-301A and eleven other types in the orange and blue carton

E. T. CUNNINGHAM, Inc.

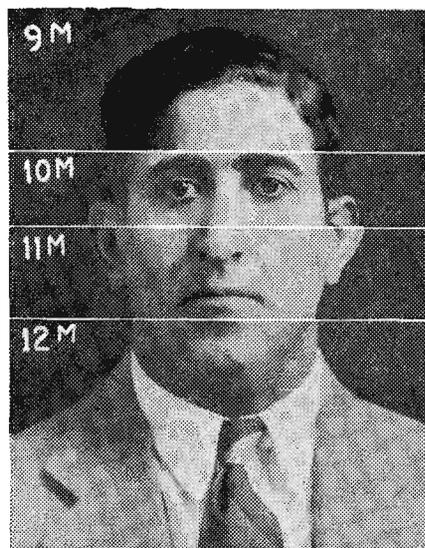
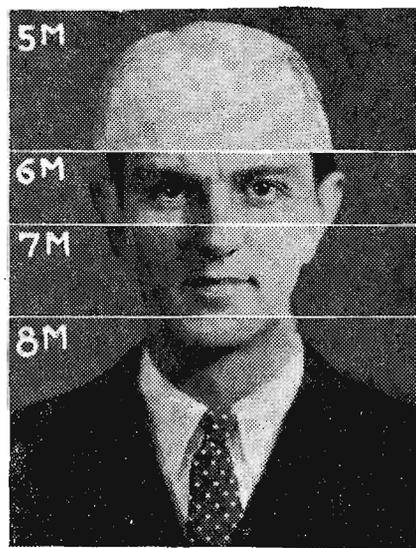
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CHICAGO

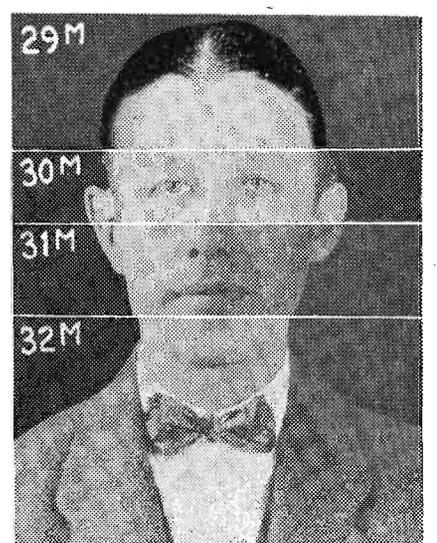
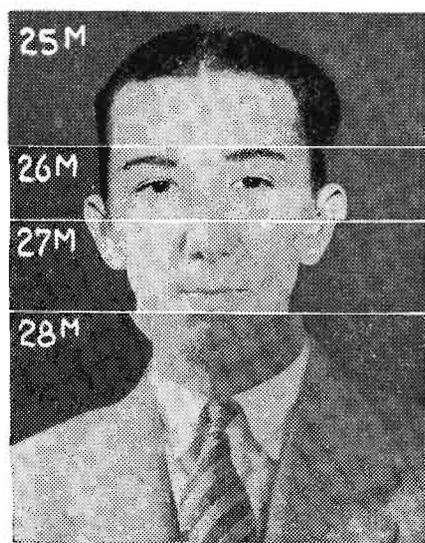
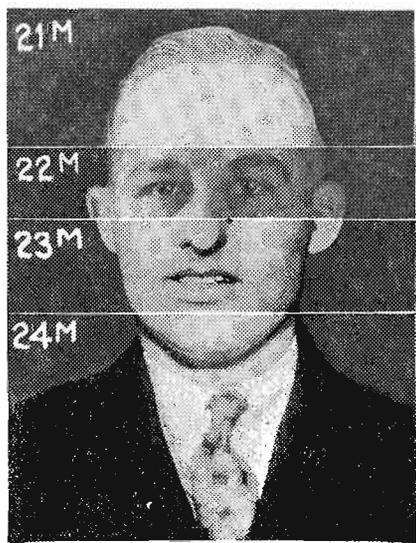
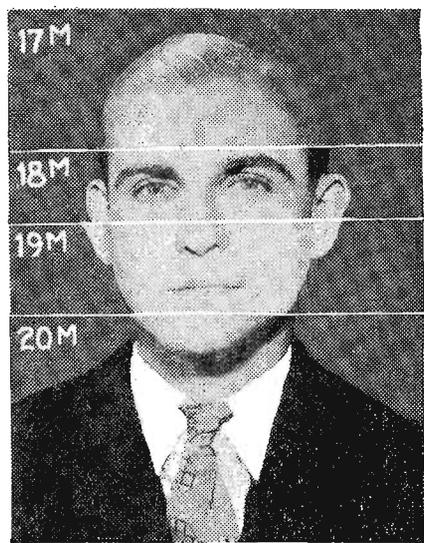
SAN FRANCISCO

- LIST OF PARTS**
Bremer-Tully Mfg. Co., 520 S. Canal St., Chicago:
- 1 B-T Power-Six Kit (Containing 1 TA Torostyle transformer, 3 TC Torostyle transformers, 2 LD-17 condensers, 3 MMF condensers, 3 RF chokes, 3 1,500-ohm resistances, 1500,000-ohm resistance, 1 condenser wrench, 50 soldering lugs and set of color charts and wiring diagrams) @ \$41.50
 - 1 B-T Euphonic Audio Transformer; 2.2 to 1 ratio. @ 5.00
 - 1 B-T Euphonic Audio Transformer; 4.7 to 1 ratio. @ 5.75
 - 2 B-T Tuning Controls (dials) @ 2.50
 - 5 B-T Type UXA Sockets @ .75
 - 1 B-T Type UX Detector Socket @ 1.00
- Westinghouse Elec. & Mfg. Co., Pittsburgh, or Formica Insulation Co., Cincinnati:
17" x 24" Drilled and Engraved Power-Six Panel @ \$5.25
- Carter Radio Co., 300 S. Racine, Chicago:
- 1 Carter No. 104 Jack @ \$1.00
 - 1 Carter No. 101 Jack @ .70
 - 1 Carter 3-Ohm Imp. Rheostat @ 1.00
 - 1 Carter Imp. Filament Switch @ .65
 - 1 Carter No. 3 Jack Switch @ 1.15
- Dubilier Condenser & Radio Corp., New York City:
- 1 Dubilier .001 mfd. Fixed Condenser @ \$0.40
 - 1 Dubilier .00025 mfd. Fixed Condenser @ .35
 - 3 Dubilier .006 mfd. Fixed Condensers @ .75
 - 1 Dubilier 2 Meg. Grid Gate @ .50
- Sangamo Electric Co., 50 Church St., New York City:
- 2 Sangamo 1 mfd. Bypass Condensers @ \$0.80
- Eby Mfg. Co., Philadelphia, Pa.:
- 7 Eby Engraved Binding Posts (ANT, GND, A-, A+B-, B+45, B+90, B+135) @ \$0.15
- National Carbon Co., New York City:
- 2 Eveready No. 771 4½-Volt C Batteries @ \$0.60
- Any Radio Store:
- 8 Lengths Celastic (any color) or Other Type Bus Bar
 - 5 Oval Head 1" Nickel-Plated Wood Screws
- (The Radio Digest shopping service will purchase all or any of the above specified parts at prices listed, for builders of the Power-Six who may be located in isolated communities or unable to obtain the parts from local dealers. Address: Shopping Service, Radio Digest, 510 N. Dearborn St., Chicago, and enclose express or postal money order covering total cost of parts ordered.)

FIFTH FASCINATING GAME OF "WHOZIT" BEGINS



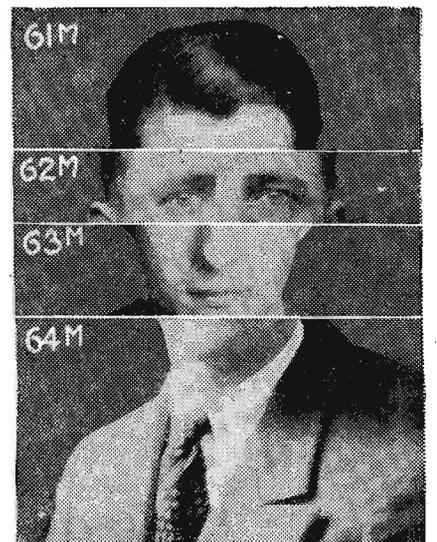
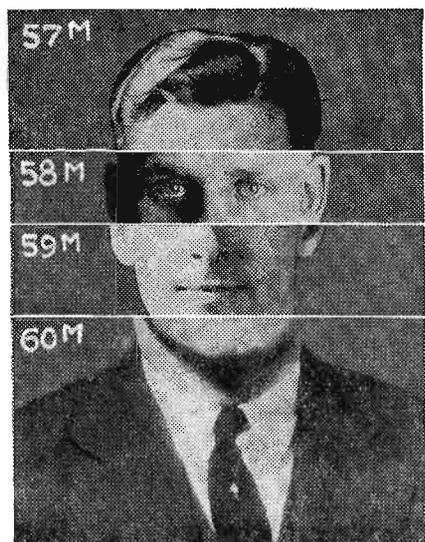
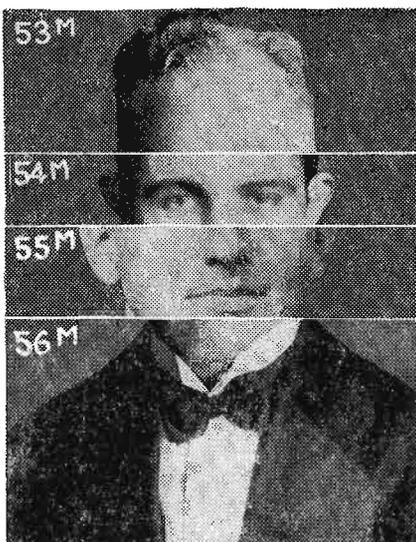
The following artists are in above panel: Maurice Kipen, WSOE; Frank Kuhl, WSOE; Charles Garden, KTHS; Urey McKenzie, KTHS.



The following artists are in above panel: Louis Peine, KPRC; Richard Shannon, KPRC; Henry Slavick, WMC; Percy G. Root, WMC.



The following artists are in above panel: Jean Weiner, WPG; Hazel McOsker, WOOD; Clara Leckie, CKY; Charlotte Linnell, WNAC.



The following artists are in above panel: Louis Cunningham, WOOD; Edwin Fessenden, WPG; Al Kilgour, CKY; Frank Jenkins, WNAC.

Radiophone Broadcasting Stations

Corrected Every Issue—Part II—Jan. 15, 1927

ONE DOLLAR will be paid to the Radio fan reader of Radio Digest submitting the most errors in any one station's listing in the Directory of Radiophone Stations, which appears in six parts, serially continuously on the next to last page. Letters must reach Radio Digest's office not later than one week from date of issue corrected. Readers are not limited to correcting one station, but such corrections must be verified by the stations themselves, and NOT by comparison to other so-called accurate Radio directories or lists. Verifications must accompany corrections. Turn in corrections for as many stations as you can find—if you can find errors! Use separate sheet of paper for each station submitted and place name and address on each sheet. In case of tie, duplicate awards will be made. Until wave lengths become stable again, we will not be able to count these in the challenge.

United States (Cont'd)

(Note—The second part of the schedule list appears below.)

KHJ, Los Angeles, Calif. 405.2m-740kc. 500 watts. Los Angeles Times, Announcer, John S. Daggett. Slogan, "Kindness, Happiness, Joy." Daily ex Sun, Mon, 12:30-1:30 pm; 6:30-11. Mon, 12:30-1:30 pm. Sun, 10:12-30 am, 6:30-8.11. Pacific.

KHO, Spokane, Wash. 394.5m-760kc. 1000 watts. Louis Wasmser, Inc. Announcer, C. P. Underwood. Slogan, "In the Friendly City." Daily ex Sun, Sun, 2:30-4:30 pm, 5-6, 6-7. Mon, 8:10-30 pm. Tues, 7-8 pm, 8:30-10, 11-12. Wed, 7-10 pm, Thurs, 8-10 pm, Fri, 8-10 pm, 10:30-12. Sat, 5-7 pm, Sun, 11-12:30 pm, 6:30-7, 7:30-9, 9-10. Every other Mon, 11-12 mid., Spokane coyote frolic. Pacific.

KIAP, Shtipoc, Minn. 422.3m-710kc. 500 watts. Steele Co. Slogan, "Far from the Madding Crowd." Mon, Wed, Fri, 7-8 pm. Sun, 2-3 pm. Central.

KICK, Anita, Iowa. 272.6m-1100kc. 100 watts. Atlantic Automobile Co. Operated by Walnut Grove Hog Remedy Co. Announcer, H. A. Marshall. Daily ex Sun, 1:50-12:30 pm, question box, markets. Wed, 8:30-10 pm. Central.

KJBS, San Francisco, Calif. 234.2m-1280kc. 5 watts. Julius Brunton & Sons Co. Announcer, Edward J. Ludes. Daily ex Sun, 9-11:30 am; 2-4 pm. Sun, 5-6:30 pm. Pacific.

KJR, Seattle, Wash. 384.4m-780kc. 1000 watts. Northwest Radio Service Co. Announcer, W. C. Gordon. Daily ex Sun, 11:30-12 m, 12 m, time; 5:40-6, 6 time; 6-6:10; 8:30-10. Daily ex Sun, Sat, 8:30-10 pm; Thurs, 8:30-10 mid. Sun, 11-12:30 pm; 7:15-7:30; 7:30-9; 9-10:30. Pacific.

KLDS, Independence, Mo. 440.9m-680kc. 1000 watts. Reorganized Church of Jesus Christ of Latter Day Saints. Announcer, Arthur H. Church. Tues, 2:30 pm, 8 pm, 8 Sat, 8 pm. Sun, 11 am, 3 pm, 6:30, 9:15. Central.

KLS, Oakland, Calif. 249.9m-1200kc. 250 watts. Warner Bros., "Radio Supplies, Announcer, Ralph Moore. Slogan, "The City of Golden Opportunity." Sun, 10-11 am. Pacific.

KLX, Oakland, Calif. 508.2m-590kc. 500 watts. Oakland Tribune. Announcer, Charles H. Gabriel, Jr. Slogan, "Where Rail and Water Meet." Mon, 7 pm; 8-10:30. Tues, Thurs, Sat, 3-5 pm; 7-7:30. Wed, Fri, 6:30-7:30 pm, 8-10:30. Pacific.

KLZ, Denver, Colo. 384.4m-780kc. 500 watts. Los Angeles Evening Express. Announcer, "Town Crier." Daily ex Sun, 7:30 am, exercises; 8, prayer; 8:55, time; 9, news; 10, Town Crier; 10:30, economics; 1:30 pm, book talk; 2-4, 4:55, markets; 5, children's half-hour; 5:30, music; 6, Town Tattler; 6:15, travel talk; 6:30, news music. Mon, Sat, Wed, Thurs, Fri, 7-12 midnight. Sat, 7-9 pm. Sun, 10:12-30 pm, church service; 12:45-1:45, 2-4, 6:30-9, 9-10:30. Pacific.

KOA, Denver, Colo. 322.4m-930kc. 5,000 watts. General Elec. Co. Daily ex Sun, 11:45 am, weather, road reports, markets; Daily ex Sat, Sun, produce. Daily ex Sun, 12:15 pm, organ. Tues, Thurs, Fri, 3:15 pm, matinee for housewives, culinary hints, fashion review. Daily ex Sat, Sun, 6 pm, stocks, markets, produce, news bulletins; 6:30 pm, dinner concert. Mon, 7:30 pm, Book of Knowledge. Tues, farm question box. Wed, Thurs, dinner concert. Fri, Sunday school lesson, Mon, Wed, Fri, 8 pm, orchestra; 8:15 pm, regular program. Sat, 9 pm. Sun, 10:30 am, and 7:30 pm, service; 5 pm, music. Mountain.

KOAC, Corvallis, Ore. 280.2m-1070kc. 500 watts. Oregon Agricultural College. Announcer, W. L. Kaddery. Mon, 7 pm. Wed, 7:20 pm. Fri, 7:30 pm. Pacific.

KOB, State College, N. M. 348.6m-860kc. 1,500 watts. N. M. College of Agri. & Mech. Arts. Announcer, Robert Stewart. Slogan, "The Sunshine State of America." Daily 11:55-12:30 pm, time, weather, markets, road reports, news; 9:55-10:10, time, weather, road reports. Mon, 7:30-8:30 pm, farm program. Fri, 7:30-8:30 pm, music. Mountain.

KOCH, Omaha, Neb. 258.5m-1160kc. 500 watts. Central H. S. Announcer, C. H. Thompson. Mon, Tues, Thurs, 8:30-10:30 pm. Sat, 12 midnight. Sun, 3:30 pm. Central.

KOCW, Chickasha, Okla. 252m-1190kc. 500 watts. Okla. College for Women. Tues, Thurs, Sat, 8 pm, music. Wed, 10 am, chapel. Central.

KOIL, Council Bluffs, Iowa. 305.9m-980kc. 500 watts. Mona Motor Oil Co. Daily ex Sat, Sun, 11:30-1 pm, music, talks, weather, markets; 1 shoppers' Aid. Daily ex Wed, Sun, weather; 5:15, farm; 5:30; 6-12 mid. Sat, 12:30-30 am, 1 pm. Sun, 11 am, service; 12:15, Uncle Jack; 7, 7:30, 11. Central.

KOIN, Portland, Ore. 319m-940kc. 1,000 watts. KOIN, Inc.

KOMO, Seattle, Wash. 305.9m-980kc. 1000 watts. Bert F. Fisher. Tues, 7-8 pm, 8-9. Wed, 8-9:30, 9-10. Fri, 7-8 pm, 9-10, 10:15-12. Sun, 1-2 pm, 9-10-10:10, church service, Pacific.

KOWW, Walla Walla, Wash. 256.3m-1170kc. 500 watts. Frank A. Moore. Slogan, "The Valley They Liked So Well They Named It Twice." Mon, Thurs, Fri, 7-7:30 pm, 8-12. Tues, 7-7:30 pm. Wed, 12-1 pm, 7-7:30, 9-12. Thurs, 12-1 pm. Sat, 2-7 pm, 7-7:30, 9-12. Pacific.

KPJM, Prescott, Ariz. 215m-1395kc. Wilburn Radio Service.

KPO, San Francisco, Calif. 428.3m-700kc. 1,000 watts. Hale Bros., and the Chronicle. Announcer, Curtis Peck. 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. Daily ex Sun, 1-7:30 pm, concert, talks. Mon, Tues, Wed, Thurs, Fri, 8-12 mid. Sat, 8-1 am. Fri, 12:15 pm, luncheon talks. Mon, 11-12 n. Sun, 9:45 am, service; 10:45, weather; 12:40 pm, orchestra; 6-12 mid, concert. Pacific.

KPPC, Pasadena, Calif. 228.9m-1310kc. 500 watts. Pasadena Presbyterian church. Announcer, G. Anton Pohlman. Wed, 6:45-9 pm. Sun, 10:30-12:30 pm. 6:45-9. Pacific.

KPRC, Houston, Texas. 296.9m-1010kc. 500 watts. Houston Post-Dispatch. Slogan, "Kotton Port Rail Center. Announcer, Alfred P. Daniel. Daily ex Sun, 10:55 am, time, 11, weather, markets; 12 noon, entertainment. Daily ex Sat, Sun, Fri, 5:30 pm, Uncle Judd's kiddies' hour; 7:30-10 pm, concert. Wed, Sat, 11-12 mid, concert. Sun, 10:45 am, 8 pm, services; 9:30-12, music. Central.

KPSN, Pasadena, Calif. 315.6m-950kc. 1,000 watts. Pasadena Star-News. Daily ex Sun, 12 n, 6 pm, News; 6-7, music. Tues, Thurs, 8-9 pm. Sat, 8-9 pm. Sun, 10:30-12:30 pm. Pacific.

KQV, Pittsburgh, Pa. 409m-733kc. 500 watts. Doubleday-Hill Elec. Co. Announcer, Howard E. Clark. Daily ex Sat, Sun, 10:30 am, music; 3, music. Sat, 10:30 am. Eastern.

KQW, San Jose, Calif. 333m-900kc. 500 watts. First Baptist church. Daily 9:30-10:30 am; 6:15-8 pm. Pacific.

KRAC, Shreveport, La. 220m-1363kc. Caddo Radio Club.

KRE, Berkeley, Calif. 256.3m-1170kc. 150 watts. Daily Gazette. Announcer, D. Black. Daily ex Sun, 7:30 am, 11:15, 5:30 pm. Mon, 8-10 pm. Tues, 9-11 pm. Thurs, 8-10 pm, 10-11. Fri, 9-12 midnight. Sat, 8-1 am, dance program. Sun, 10-11 am, church; 6:30-7:30 pm; 8-9. Pacific.

KRLD, Dallas, Texas. 357.1m-839.6kc. Dallas Radio Laboratories, Inc.

KRS, Seattle, Wash. 499.7m-600kc. Radio Sales Corp.

KSAC, Manhattan, Kan. 340.7m-880kc. Kansas State Agricultural College. Announcer, George Gemmill. Daily ex Sat, Sun, 9-10 am, 9:55, 12:35 pm, 4:30, 6:30. Sat, 12:35 pm. Central.

KSBA, Shreveport, La. 260.7m-1150kc. 500 watts. W. G. Patterson.

KSD, St. Louis, Mo. 545.1m-550kc. 500 watts. St. Louis Post-Dispatch. Announcer, J. P. Corwin. Daily ex Sun, 9:40 am, 10:40, 11:40, 12:40, 1:40, 2:40, 3:40. Mon, 9-10 pm. Tues, 7-9:30 pm. Wed, 8-9:30 pm. Thurs, 8-10 pm. Fri, 8-9:30 pm. Sat, 8-9 pm. Sun, 6:15-9:15 pm. Central.

KSEI, Pocatello, Idaho. 260.7m-1150kc. KSEI Broadcasting Assn.

KSL, Salt Lake City, Utah. 299.8m-1000kc. 1,000 watts. Radio Service Corp. of Utah. Announcer, Charles H. Hays. Daily ex Sun, 7:30 pm. Mon, Wed, 7:30 am; 7:45, 8. Mon, 6:30 pm, 7:15, 7:30, 8, 8:30. Tues, 7 pm, 7:15, 7:30, 8, 9. Wed, 10 am, 6:15 pm, 6:30, 7, 7:15, 8:30, 9:30. Thurs, 7 pm, 7:30, 8:30. Fri, 7:15 am, 10, 6:30 pm, 7:15, 7:30, 8:30. Sat, 7:15 pm, 7:30, 10, 11 am, 3 pm, 5, 7:30, 9, 10. Mountain.

KSMR, Santa Maria, Calif. 281.2m-1072kc. 100 watts. Santa Maria Valley Railroad Company. Mon, Wed, Fri, 6:30 am. Tues, Thurs, Sat, 6:30 am, 8, 8:30, 8:45. Tues, Thurs, 7 pm, 7:30. Pacific.

KSO, Clarinda, Iowa. 405.2m-740kc. 500 watts. A. Berry Seed Co. Announcer, Joe Fasson. Slogan, "Keep Serving Others." Daily ex Sun, 12-1 pm, talks. Daily ex Sat, Sun, 6:30-8:30 pm. Sun, 11-12 n. Central.

KSOO, Sioux Falls, S. D. 630m-832kc. Sioux Falls Broadcast Assn.

KTAB, Oakland, Calif. 302.8m-990kc. 1,000 watts. The Associated Broadcasters. Daily ex Sun, 8:45, 9:15 am, prayer service; 9:15-9:45, shopping hour; 7-7:30 pm, shopping hour. Daily ex Sat, 5-6 pm, children's hour. Mon, Tues, Wed, Thurs, 6:30-7 pm, twilight hour. Mon, Tues, Wed, Fri, 8-10 pm, entertainment. Sun, 10 am, 11; 7:45 pm. Pacific.

KTAP, San Antonio, Tex. 263m-1140kc. 10 watts. Robert B. Bridge. Radio Service Shop. Daily ex Sun, 10:30-11:30 am; 12:30-1:45 pm; 6:30-8. Sun, 4:30-6 pm. Central.

KTBI, Los Angeles, Calif. 293.9m-1020kc. 750 watts. Bible Inst. of Los Angeles. Announcer, M. E. Carrier. Daily ex Sun, 8:30 am, 2 pm, 7:15-9:30. Sun, 10:45 am, 6 pm, 7:15, 9:30. Pacific.

KTBR, Portland, Ore. 263m-1140kc. 500 watts. E. Brown, Pacific.

KTSS, Hot Springs National Park, Ark. 374.8m-800kc. 1000 watts. The new Arlington hotel. Announcer, G. C. Arnoux. Slogan, "Kum to Hot Springs." Mon, Tues, Thurs, 12:30-1:30 pm, markets, weather, music. Fri, 12:30-1:30 pm, Farmers' Radio Chautauqua. Sat, 12:30-1:30 pm, boy talk, Bible class, music, weather, markets. Daily, 9-11:30 pm, concerts. Sun, 11-12:15 pm, church services; 9-10 pm, classics; 10-10:30, organ; 10:30-11:30, Arkansas Traveler frolic. Central.

KTNT, Muscatine, Iowa. 333.1m-900kc. 1,000 watts. Rangely Calliophone company. Announcer, Marvin Lueke. Slogan, "The Homebodies' Station." Daily ex Sun, 12-12:30 pm, 8-9 pm, 11-12. Sun, 2:30 pm, 9 pm. Central.

KTUE, Houston, Tex. 263m-1140kc. Uhalt Electric.

KUWA, Seattle, Wash. 454.3m-660kc. 1500 watts. First Presbyterian church. Announcer, J. D. Ross. Slogan, "Hear Ye, Hear Ye, the Gospel." Sun, 11-12:30 pm, 3-4:30, 7-9:30, church service. Pacific.

KUOA, Fayetteville, Ark. 299.8m-1000kc. 750 watts. University of Arkansas. Announcer, W. S. Gregson. Mon, 7:30-8:30 pm. Tues, Thurs, 8-9 pm. Sun, 7:30-8:30 pm. Central.

KUOM, Missoula, Mont. 243.8m-1230kc. 500 watts. University of Montana. Off the air for the summer.

KUSD, Vermillion, S. D. 277.6m-1080kc. 100 watts. University of South Dakota. Announcer, Maurice Nelles. Slogan, "South Dakota University for South Dakotans." Wed, 8-10 pm. Central.

KUT, Austin, Texas. 230.6m-1300kc. 500 watts. University of Texas. Announcer, Orlando I. Murphy. Mon, Wed, 8 pm. Fri, 8 pm. Sun, 11 am, 7:30 pm. Central.

KVI, Tacoma, Wash. 242.5m-1237kc. Puget Sound Radio Broadcasting Co.

KVVO, Bristow, Okla. 374.8m-800kc. 1,000 watts. Southwestern Sales Corp. Announcer, Bobby Griffin. Daily ex Sun, 8-9 am, 11, markets, 11:30, 12:30, 1:30-2:30, 2:45, 3-4; 5:30, children's hour; 6-9, 12 mid, music. Fri, 11 pm, Knights of the Empty Skull. Sun, 9:15 am, Bible class; 1-2 pm, music; 5-6, 6-7, church service; 12 mid, music. Central.

KVOS, Seattle, Wash. 333.1m-900kc. L. L. Jackson & L. Kessler.

KWCR, Cedar Rapids, Iowa. 269m-1115kc. 500 watts. Announcer, H. F. Paar. Slogan, "The Voice of Cedar Rapids." Mon, Wed, Sat, 4:15-5 pm, 9-10:30. Mon, 10:45 pm. Sun, 11 am, 5:15-5:45, 5-5:55. Central.

KWGC, Stockton, Calif. 247.8m-1210kc. 500 watts. Portable Wireless Telephone Co. Announcer, Cecil T. White. Slogan, "Voice of the San Joaquin Valley." Daily ex Sun, 4-5 pm, news, concert, markets. Tues, Wed, Fri, 8-9 pm, concert. Sun, 6-7 pm, service. Pacific.

KWKC, Kansas City, Mo. 236.1m-1270kc. 600 watts. Wilson Duncan Studios. Announcer, Elmer C. Hodges. Slogan, "Keep Watching Kansas City." Tues, Wed, Thurs, Fri, 7 pm, 9. Central.

KWKH, Shreveport, La. 312m-960kc. 500 watts. Henderson Iron Works & Supply Co. Mon, 8-9:30 pm, music. Tues, Sat, 9-12 midnight. Thurs, 8-9:30 pm, Sat, 9-12 dance. Sun, 9:30-10:30 am, music; 11:02 m, 5-6 pm, 7:30-9. Central.

KWSC, Pullman, Wash. 348.6m-860kc. 500 watts. State College of Washington. Announcer, Harold Barton. Mon, Wed, Fri, 7:30-9 pm. Pacific.

KWTC, Santa Ana, Calif. 263m-1140kc. Dr. John Wesley Hancock.

KWUC, Le Mars, Iowa. 252m-1190kc. 1,500 watts. Western Union College. Announcer, Rex Frolkey. Tues, 8 pm, Wed, 7 pm. Sat, 10 pm. Sun, 4 pm. Central.

KWWG, Brownsville, Texas. 277.6m-1080kc. 500 watts. Brownsville Chamber of Commerce. Slogan, "Kum to the World's Winter Garden." Daily ex Sun, 12 m, 6 pm. Mon, Thurs, 8:30-11:59 pm. Central.

KXL, Portland, Ore. 400m-749.6kc. KXL Broadcasters.

KXRO, Seattle, Wash. 240m-1249kc. Brott Laboratories.

KYV, Chicago, Ill. 535.4m-560kc. 3,500 watts. Westinghouse Elec. & Mfg. Co. Daily 11 am, time, weather. Daily ex Sun, 11:35-11:55 am, home hour; 12-2 pm; 2:30-4, frolic; 4-4:15, World Crier; 5:45-6, markets; 6-6:15, KDKA; 6:30-7, music; 7-7:30, bedtime story. Daily ex Sun, Mon, 11, time, weather; 11-12, Mon, Thurs, Fri, 4:15-4:30 pm, Fri, 4:30-5 pm. Tues, Wed, Thurs, Sat, 7:30-8 pm; 8-9. Tues, Thurs, Fri, Sat, 9-10 pm. Tues, Wed, Thurs, Fri, 10-11 pm. Sat, 9-12-1 pm. Sun, 11:35 am, Central; church; 2:30-3:30 pm, chapel; 4:30-5:30, concert; 7, Sunday Evening club; 9:30-11, music. Central.

KZIB, Manila, P. I. 249.9m-1200kc. I. Beck, Inc.

KZM, Oakland, Calif. 239.9m-1250kc. 100 watts. Western Radio Institute (Hotel Oakland). Announcer, Elbert Cowan. Daily ex Sun, 6:30-7 pm, orchestra. Pacific.

KZRO, Manila, P. I. 222m-1350kc. 500 watts. Radio Corporation of the Philippines. Slogan, "Radio Manila." Baguio, P. I. 360m-833kc. Variable power. P. Johnson, Elser.

NAA, Radio, Va. 434.5m-690kc. 1,000 watts. United States Navy Dept. Daily ex Sun, 10:05-10:20 am, 11:55, time; 3:45-4 pm, 9:55, 10:05-10:20. Tues, 2:45-3 pm. Tues, Thurs, 6:45-7 pm. Mon, Tues, Wed, Thurs, 7:25-8 pm. Mon, Tues, 8:05-8:20 pm; Mon, 8:25 pm. Wed, Fri, 8:45-9:40 pm. Eastern.

WAAD, Cincinnati, Ohio. 258.5m-1160kc. 250 watts. Ohio Mechanics Institute. Sat, 9:45 pm. Central.

WAAP, Chicago, Ill. 277.6m-1080kc. 200 watts. Chicago Daily Drivers Journal. Announcer, Carl Ulrich. Daily ex Sun, 8:45 am, 10:50, 11, 12:50 pm. Daily ex Sun, Sat, 3 pm, 4:30, live stock and weather reports. Central.

WAAM, Newark, N. J. 263m-1140kc. 500 watts. I. Nelson Company. Announcer, D. Franklin Scott. Daily ex Sat, Sun, 11 am; 6 pm. Tues, Fri, 10:30 am; 11:30, Sat, 6 pm. Sun, 11 am. Eastern.

WAAT, Jersey City, N. J. 235m-1276kc. 500 watts. Bremer Broadcasting Corp. Announcer, C. J. Ingram. Slogan, "The Voice at the Gate of the Garden State." Daily ex Sun, 6-7 pm, 7-11. Sun, 2-5 pm, 6-11. Eastern.

WAAW, Omaha, Nebr. 384.4m-780kc. 500 watts. Omaha Grain Exchange. Announcer, James Thompson. Slogan, "Pioneer Market Station of the West." Daily ex Sun, 8:30 am, 8:45, 9:15, 9:45, 10:15, 10:45, 11:15, 11:45, 12:15, 1:15, 1:40, 8, 8:30. Daily ex Wed, Sun, 7-9 pm. Central.

WABB, Harrisburg, Pa. 204m-1470kc. Harrisburg Radio Co.

WABD, Richmond Hill, N. Y. 315.6m-950kc. 5,000 watts. Atlantic Broadcasting Co.

WABF, Pringleboro, Pa. 285m-1052kc. Markle Broadcasting Corp.

WABI, Bangor, Me. 239.9m-1250kc. 100 watts. First Universalist church. Announcer, Prof. W. J. Creager, Jr. Sun, 10:30 am; 7:30-9 pm. Eastern.

WABO, N. Rochester, N. Y. 277.6m-1080kc. 100 watts. Lake Avenue Baptist church. Announcer, Maurice Clark. Sun, 10:15-12 noon, 7:15-9 pm. Eastern.

WABR, Toledo, Ohio. 263m-1140kc. 500 watts. Scott High School.

WABY, Wooster, Ohio. 206.8m-1450kc. 500 watts. The College of Wooster, Dept. of Physics. Announcer, Frank C. Isely.

WABX, Mt. Clemens, Mich. 245.8m-1220kc. 500 watts. Henry B. Joy.

WABY, Philadelphia, Pa. 241.8m-1240kc. 500 watts. John Magaldi, Jr. Slogan, "Quaker City Sleep Doggers' Club." Sun, 9 am, music; 10:30, "Sleep Doggers' Station." Eastern.

WABZ, New Orleans, La. 275.1m-1090kc. 500 watts. The Coliseum Place Baptist church. Announcer, W. C. Clemmons. Slogan, "The Station with a Message." Sun, 11-12:15 pm; 7:30-8:45, church service. Central.

WACG, Akron, Ohio. 258.5m-1160kc. 1,000 watts. Allen Theater Broadcasting Station. Announcer, Roy Stewart. Daily ex Sun, 11-12 noon, Mon, Fri, 8-11 pm. Thurs, 9-11 pm. Sun, 12:30-1:30 pm. Eastern.

WAFD, Port Huron, Mich. 275.1m-1090kc. 500 watts. Albert B. Partet Co. Announcer, Stanley G. Smith. Slogan, "Gateway to the Great Lakes." Mon, 8-12 mid; Wed, Fri, 8-10 pm. Sat, 12 mid. Sun, 10:30 am; 7:30 pm. Eastern.

WAGM, Royal Oak, Mich. 225.4m-1330kc. 500 watts. Robert L. Miller. Announcer, R. L. Miller. Mon, 8-12:30 am. Wed, Fri, 8-10:30 pm. Central.

WAGS, Somerville, Mass. 250m-1199kc. Willow Garage.

WAIT, Taunton, Mass. 228.9m-1310kc. 10 watts. A. H. Waite & Co., Inc.

WAIU, Columbus, Ohio. 293.9m-1020kc. 1,000 watts. American Insurance Union. Announcer, Don Bernard. Daily ex Sun, 10:05 am, 10:55, time, 12-1 pm, music, news, markets, weather. Daily ex Sat, Sun, 2 pm, stock, music. Mon, Tues, 12:30-1:30, 7-7 pm. Fri, Sat, 6-7 pm. Mon, Fri, 7:50-12 mid, Tues, Sat, 9:15-12 mid, Sun, 2-4 pm. First and Third Sun, 6-12 mid. Eastern.

WAMD, Minneapolis, Minn. 243.8m-1230kc. 5,000 watts. Radisson Radio Corporation. Slogan, "The Call of the North." Daily ex Sun, Tues, 12 pm, 12:01 pm, 6:55, police alarms, 7. Mon, 1 pm, 5:45, boys' club; 7:20, program; 11. Tues, 12 n, 12:30 pm. Wed, 7:05 pm, talk; 7:10, 11. Thurs, 1 pm, 6:15, dinner concert; 7:01, 7:10. Fri, 1 pm, 7:01, 7:10, 8, 11. Sat, 1 pm, 6:15, 7:05, talk; 7:10, 11:30. Sun, 10:30 am, 2:45 pm, 6:15, 6:45, 9:30. Central.

WAPI, Auburn, Ala. 461.8m-650kc. 1,000 watts. Alabama Polytechnic Institute. Announcer, W. C. Wall. Daily ex Sun, 12:30 pm, 8 pm. Central.

WARC, Medford Hillside, Mass. 260.7m-1150kc. 100 watts. The Amrad Corp.

WARS, Brooklyn, N. Y. 295m-1016kc. Amateur Radio Specialty Co.

WASH, Grand Rapids, Mich. 256.3m-1170kc. 500 watts. Dexter Laundry and Dry Cleaning Co. Announcer, Robert Northrop. Daily ex Sat, Sun, 12:30-12:45 pm. Mon, Fri, 3:30 pm. Daily ex Sun, 5:30 pm. Daily ex Thurs, Sun, 7-8 pm.

WATT, Boston, Mass. 243.8m-1230kc. 100 watts. Edison Elec. Illuminating Co.

WBA, W. Lafayette, Ind. 272.6m-1100kc. 500 watts. Purdue University. Announcer, J. W. Stafford. Daily ex Sun, 9:50 am, stocks, markets, weather. Mon, Fri, 7:15 pm, special program. Central.

WBAC, Harrisburg, Pa. 275.1m-1090kc. 500 watts. Pennsylvania State Police. Announcer, A. E. Poorman. Daily ex Sun, 11:30 am; 2 pm, police reports, fire protection, farm news; 12 mid. Mon, Tues, Wed, 7:30 pm, special. Eastern.

WBAL, Baltimore, Md. 245.8m-1220kc. 5,000 watts. Consolidated Gas, Elec. Light & Power Co. Announcer, Stanley W. Barnett. Slogan, "This is Baltimore." Mon, Tues, Thurs, Fri, 3:30-12 mid. Sun, 6:30-7:30 pm. Eastern.

WBAD, Decatur, Ill. 270.1m-1110kc. 100 watts. James Millikin University. University activities. No definite schedule.

WBAP, Fort Worth, Tex. 475.9m-630kc. 3,300 watts. Fort Worth Star-Telegram. Announcer, "The Hired Hand Club." "Radio Truth League." Daily ex Sun, 9, 10, 11, 12 m, 1 pm, 2, 3, "Port of Missing Men." Mon, Tues, Thurs, Fri, Sat, 12:05-12:30 pm, 7:30-8:30, 9:30-11, concert. Mon, Thurs, Fri, 11-12 midnight. Sun, 11 am, church; 9:30-11. Central.

WBAR, Sisiht, Wis. 270.1m-1110kc. 500 watts. Kopp Radio Co. Slogan, "The Station of Northern Wisconsin." Mon, 9-10 pm. Wed, 8-9 pm. Thurs, 7:30-8:30. Sun, 10-11 pm. Central.

WBAW, Nashville, Tenn. 241.8m-1240kc. 100 watts. Braid Elec. Co. & Waldrum Drug Co. Announcer, Harry Stone. Sun, 7:30 pm. Central.

WBAX, Wilkes-Barre, Pa. 256.3m-1170kc. 100 watts. John H. Stenger, Jr. Slogan, "In Wyoming Valley, Home of the Anthracite." Sun, 11:59 pm. Central.

WBBC, Brooklyn, N. Y. 249.9m-1200kc. 100 watts. Peter J. Testan.

WBBL, Richmond, Va. 228.9m-1310kc. 100 watts. Grace Covenant Presbyterian church. Announcer, W. L. Pierce. Tues, 8 pm. Sun, 11 am, 7:45 pm. Eastern.

WBMM, Chicago, Ill. 225.4m-1330kc. 10,000 watts. Atlas Investment Co.-Stewart Warner. Announcer, Nate Caldwell. Daily ex Sun, 4-6 pm. Mon, 12:02-2 pm; 4-7. Thurs, Sun, 12:02-2 am. Tues, Thurs, Sat, 8-12 mid. Wed, Fri, Sun, 8-10 pm. Sat, 8-2 am. Sun, 12:30-2 pm. Central.

WBPP, Detroit, Mich. 238m-1260kc. 200 watts. Petoskey High School. Announcer, Carl Bowman. Tues, 9-10:30 pm. Fri, 8-9:30 pm. Sun, 10:30 am, church services; 3 pm, sacred concert. Central.

WBBR, Staten Island, N. Y. City, N. Y. 416.4m-720kc. 500 watts. International Bible Students' Association. Mon, Thurs, Sat, 8-9 pm, lectures, music. Sun, 10-12 m, 2-4 pm, 9-10:30. Eastern.

WBBW, Norfolk, Va. 222.1m-1350kc. 500 watts. Ruffner Junior High School. Announcer, Lee M. Klinefelter. Slogan, "The School You'd Like to Go To." Mon, 6:45-7:15 pm. Thurs, 6:45-7:15 pm; 9:30-10:30. Eastern.

WBBY, Charlotte, N. C. 267.7m-1120kc. 10 watts. Washington Light Infantry. Announcer, Hugh Easterly. Eastern.

WBBZ, Chicago, Ill. 215.7m-1390kc. 500 watts. C. L. Carrell.

WBCT, Chicago, Ill. 265.3m-1130kc. 500 watts. Southtown Economist. Announcer, J. R. Foster. Slogan, "World's Best Community Newspaper." Daily ex Sun, 9:45-11 am, home service; 3-6, tea time matinee; 4-5, Hotel Hayes. Daily ex Sat, Sun, 5:30-6 pm, police bulletins. Daily ex Sun, Mon, 7-8 pm. Tues, Wed, Thurs, Sat, 10-12 pm. Tues, 12-1 am, Pirate Ship. Fri, 10-11 am. Sun, 10:30-12:15 pm, church service; 4-6 pm, concert; 7:45-9:15, church service. Central.

WBES, Takoma Park, Md. 222.1m-1350kc. 100 watts. Bliss Elec. School. Announcer, Wm. M. Johnson, Jr. Fri, 6-7 pm. Eastern.

WBKN, Brooklyn, N. Y. 291.1m-1020kc. Arthur Faske.

WBMC, Woodside, N. Y. 293.9m-1020kc. Millbrook Co.

WBMS, North Bergen, N. J. 223.9m-1340kc. 10 watts. George Julius Schweher. Daily ex Sun, 8:30-12 mid. Sun, 1-3 pm, 7:30-11. Eastern.

WBNY, New York, N. Y. 322.4m-930kc. 2,000 watts. B. A. Ruchome Corp. Daily ex Sat, Sun, 7-11 pm. Sun, 2:30 pm; 6. Eastern.

WBQ, Richmond Hill, N. Y. 236.1m-1270kc. 500 watts. Atlantic Broadcasting Co.

WBRC, Birmingham, Ala. 247.8m-1210kc. 500 watts. Birmingham Broadcasting Co. Announcer, Dud Conroy. Slogan, "The Biggest Little Station in the World." Mon, Wed, Thurs, Sat, 8 pm. Tues, 7:30-8 pm. Fri, 8-9 pm. Sat, 11-1 am. Sun, 10:45 am. Central.

WBRE, Wilkes-Barre, Pa. 230.6m-1300kc. 100 watts. Baltimore Radio Exchange. Announcer, Louis G. Baltimore. Wed, Fri, Sun, 8:30-11 pm. Sun, 9-12 pm. Eastern.

WBRL, Tilton, N. H. 420m-713kc. 500 watts. Booth Radio Laboratories. Wed, Thurs, 10-11:30 pm. Daily 2-4 pm, 7-10. Eastern.

WBRS, Brooklyn, N. Y. 394m-761kc. 100 watts. Universal Radio Mfg. Co. Announcer, Gerard Miller. Daily ex Sun, 8-11 pm. Sun, 2-5 pm. Eastern.

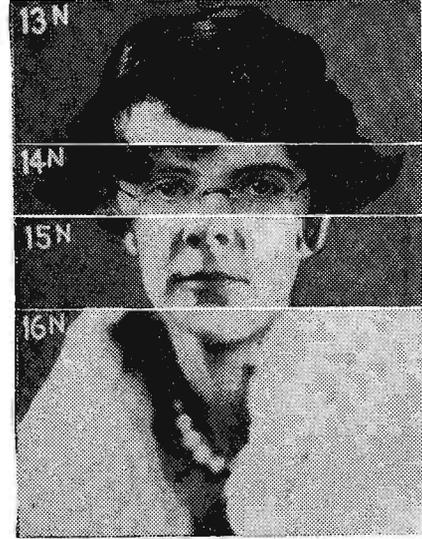
WBTC, Charlotte, N. C. 275.1m-1090kc. 250 watts. Charlotte Chamber of Commerce.

WBZ, Springfield, Mass. 333.1m-900kc. 5,000 watts. Westinghouse Elec. & Mfg. Co. Announcer, A. E. Bach. Daily ex Sun, 6-8 pm, music, markets; 8-10, music. Sun, 7 pm, organ; 8:30, concert. Eastern.

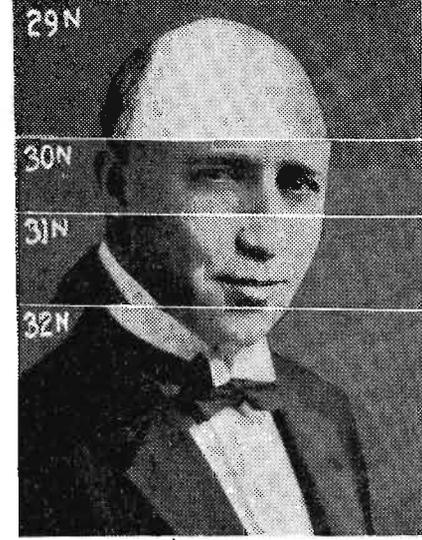
WBZA, Boston, Mass. 333.1m-900kc. 250 watts. Westinghouse Elec. & Mfg. Co. Same programs as WBZ.

WCAC, Storrs, Conn. 275.1m-1090

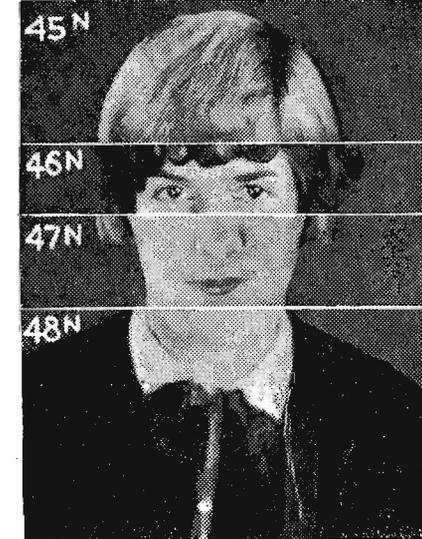
\$26,000.00 IN PRIZES FOR SOLVING "WHOZITS"



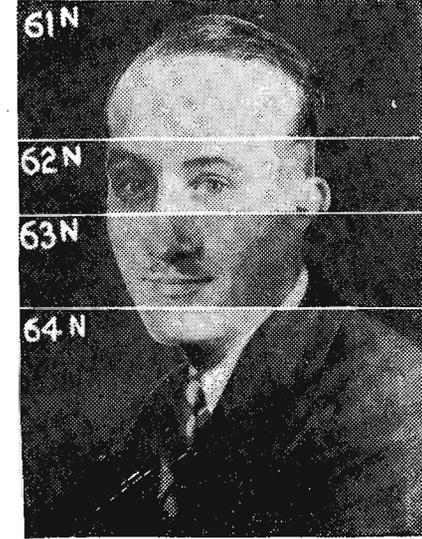
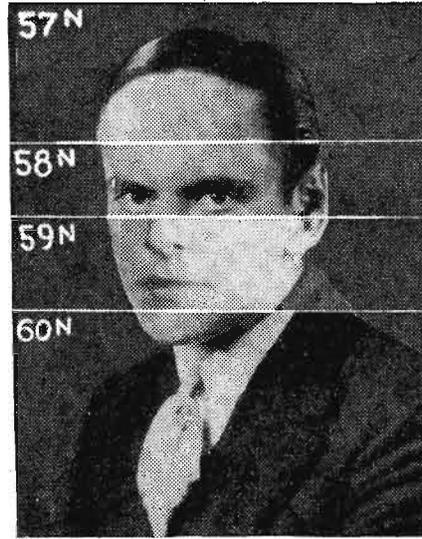
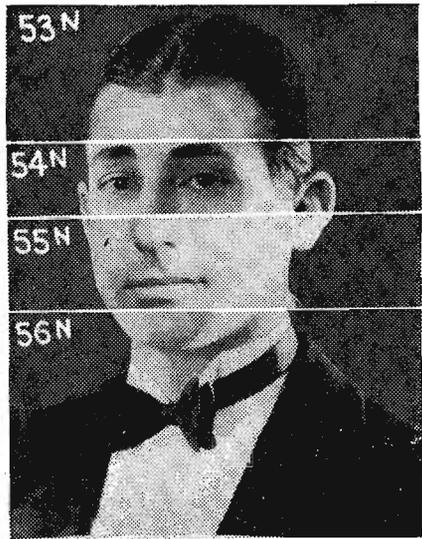
The following artists are in above panel: Honorine LaPee, KMOX; Lucille Mayer, KMOX; Pearl Howard Melvin, WOW; Mrs. Guy Ulysses Purdy, WOW.



The following artists are in above panel: E. E. Schultz, WLW; W. G. Kirchner, WLW; Bill Perry, KJR; Bud Wieser, KJR.

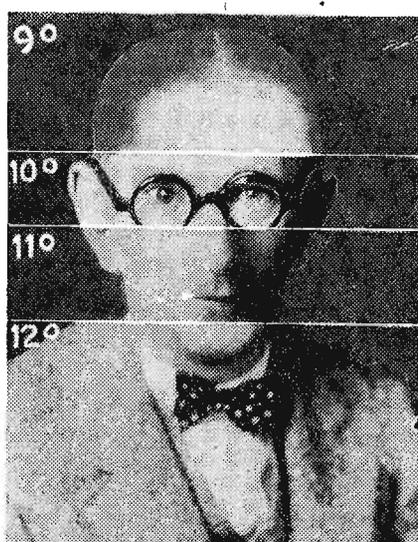
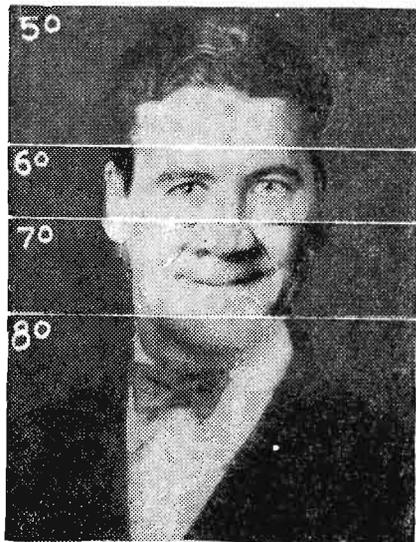


The following artists are in above panel: Deora L. Wolfe, WJR; Edith Sedrel, KOA; June Parker, KFVB; Nell Larson, KFVB.

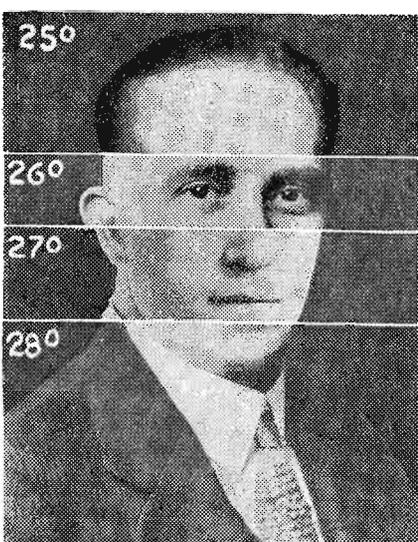
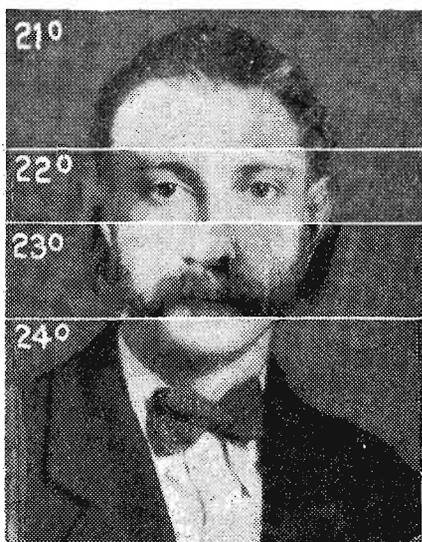
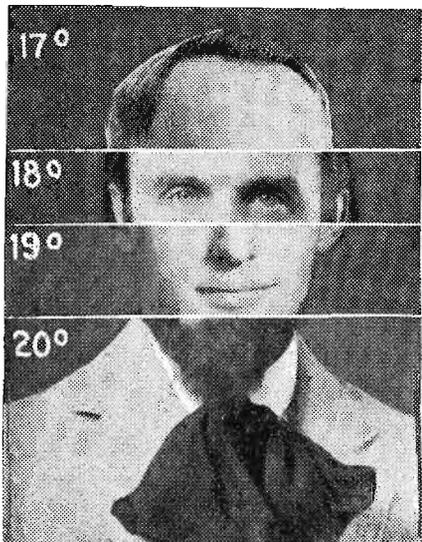


The following artists are in above panel: Joe Davis, WMCA; "Uke" Al. Bert, WMCA; Leroy Burrill Phillips, KOA; John F. Patt, WJR.

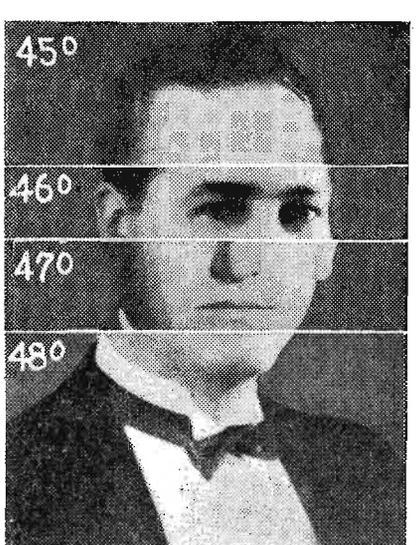
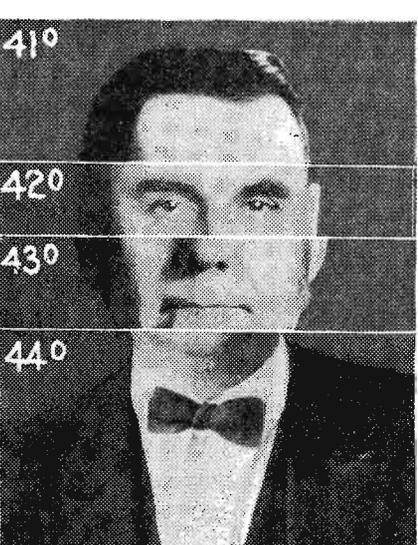
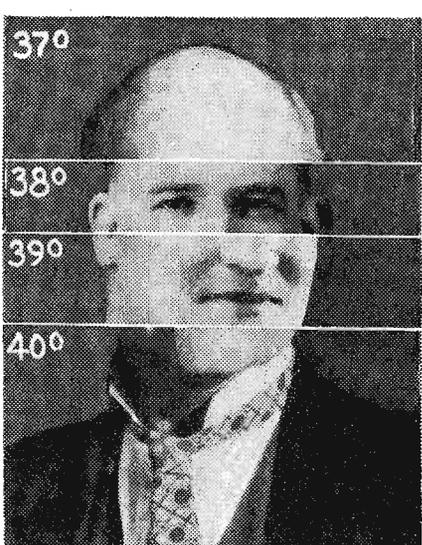
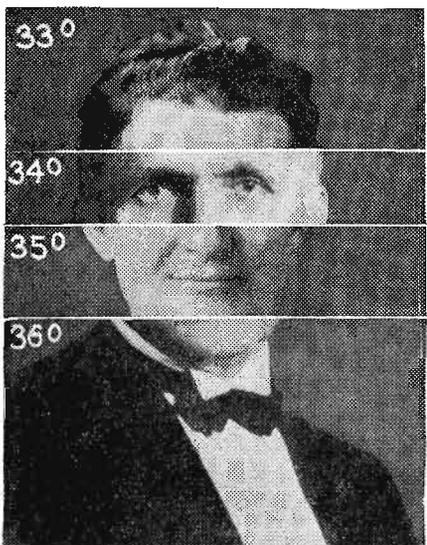
ASSEMBLE THESE PICTURES OF RADIO ARTISTS



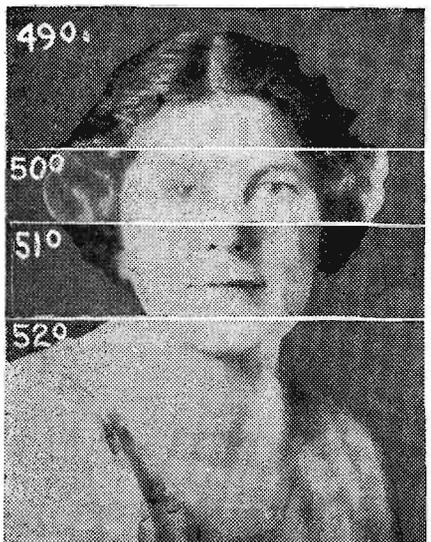
The following artists are in above panel: Avery Powell, WJAX; Art Cook, WHK; Dick Moffet, WJAX; Eddie Soto, WHK.



The following artists are in above panel: Dr. B. J. Palmer, WOC; Reed E. Snyder, WOC; Frank R. Marks, WHB; S. F. Rendina, WHB.



The following artists are in above panel: George E. Butts, WMAK; Uncle Dave Macon, WSM; Walter Schoggin, KVOO; Duke Rehl, WHT.



The following artists are in above panel: Ruth Pettit, WMAK; Mrs. Daisy Fentress, WSM; Princess Pakaneli, KVOO; Alice Johnson, WHT.

Radio Digest Illustrated

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Vol. XX January 15, 1927 No. 1

Who Is to Pay for Radio?

MANY times during the past few years interested persons and economists have asked the vital question, "Who is to pay the bill for Radio?" We have steadfastly maintained that advertising would. We are now seeing that prophecy come true.

Many large national magazines, and one in particular, are almost solely supported by the advertisers' dollars. One very large magazine sells for a ridiculously low price, hardly as much as the magazine is worth as waste paper. The publisher of that magazine could not give his readers the stories, illustrations and splendid articles that every issue contains, were it not for the many conspicuous advertisers.

The public does not object to the advertising in this magazine we are discussing. In fact, it is known that many of its readers buy the periodical chiefly to look over the advertising pages.

The American public are applying the same philosophy to high grade good will advertising via the Radio microphone. It is the answer to "Who will pay?" And the big advertisers are finding that broadcast or Radio advertising of the proper quality and correctly done, is a wonderful new medium to reach the public.

Read from the splendid exposition of broadcast advertising which was prepared by Lee Bristol, of the Bristol-Myers company, manufacturers of Ipana toothpaste, and sponsors of the Ipana Troubadours over the Red Network of the National Broadcasting company. He says:

"The statistics of one of the largest stations made us sit up and take notice. They showed . . . an approximate total audience of more than 20,000,000 persons.

"With the network nook-ups maintained by some of the biggest stations, broadcasting simultaneously from stations all over the country, it is possible to obtain almost a complete national coverage. At least this applies to practically all the territory east of the Rocky Mountains, an area with a population of over 85,000,000.

"We studied these figures but remained incredulous as to the value of the medium. Then a year ago last April . . . we ventured into Radio advertising.

"Of course, it goes without saying that Radio advertising and a national magazine campaign are not comparable. But I know of no other form of advertising that carries the peculiarly human interest value this does, and creates to such a degree good will toward the advertiser on the part of the public.

"I do not claim that Radio advertising is to be credited with the direct sale of merchandise. I do claim that it serves as an auditory billboard, potentially as important in advertising as the ocular, with which we are all familiar.

"The manufacturer . . . has never had such an opportunity to enter innumerable homes and leave his listeners in such a cordial, friendly and grateful state of mind. It is advertising that tucks away the name of the product in the mind along with the pleasant memory of entertainment.

" . . . Another point to watch is high standard of quality in the entertainment you offer, taking care to broadcast only from the first class station in any community.

"Our vehicle is music—good music—cheerful music—joyous advertising, and we have received thousands of cards and letters, various as life itself, as a result . . . Letters showing how we have cheered the sick in hospitals; entertained lonely people on the plains; provided entertainment for large gatherings of people in hotels; while away tedious hours for passengers on a snowbound Canadian train.

" . . . The largest station in the country, realizing that a turn of a dial is all the revolt necessary on the part of its public tired of listening in on programs overloaded with advertising, has stipulated against this very thing, imposing exacting limitations upon its advertising clients. . . . It is a list of restrictions that would seem to make the case hopeless. But 'the faith' is quite scrupulously maintained for it pays to respect a valuable medium."

RADIO INDI-GEST

Adoration

Sweetheart with the rose-kissed cheek,
You move me to this song,
A finer feeling ne'er will speak;
So high it knows no wrong.

Though untold time it's taken,
For slow nature to unfold,
At last 'tis not mistaken
And has struck the proper mold.

You personify the fragrance
That rules the Realm above;
I look an Angel askance
With you on Earth to Love—

My wave length.

ERNEST O. GROSS.

Well, Whattaya Gotta Say About It?

TWICE a month, Indi-Gest, aided and abetted by P. T. S. (of Fort Wayne, KKKIndiana), will allow Radioknuts to chew the fat upon some vital question of general Radio interest. This issue's question:

If 6,000,000 receiving sets are installed within the borders of continental United States, why don't Bill and George Hay, Graham McNamee, Lambdin Kay, the Hired Hand, Leo Fitzpatrick, Gloomy Gus Grubb, Pete MacArthur, Henry Field, et al, wear brown derbies?

Der Dritte Tromboner Gespieler: "Yes and no. On the other hand, I am convinced that the safer course would be to pursue the safer course."

Old King Tutt, Hiz-self: "If you are referring to the percentage found in the usual run of hair tonic, I would recommend you distil Ed Pinaud's brand in a copper-lined kettle."

Barbara of the Short Shaves: "My yes, oh mercy me, for goodness sake, yes. I agree with you perfectly—his left leg IS wood, because I pushed a thumb tack into it."

London Bobby: "At 2LO we have encountered a most unusual incident, dontcher know. The walls of the studios, to be soundproof, have to felt. This, the B. B. C. insists, makes the artists sing with much more feeling."

Well, now that that's settled, the great questions for the First and Second February numbers, respectively, of Radio Indi-Gest will be: "Resolved, that you can always tell a wave-grasshopper, but you can't tell him much," and "If George Washington were alive today, would he permit broadcasting by direct wire of his crossing of the Delaware?"

Ode to the Whozits

Whozit, Whozit, What a game!
Many faces without a name,
Come this way but not in vain;
For the artists are of fame.

Misplaced segments, misplaced names
All go as part of the game.
Beware lest they are placed awry;
Get the paste and have a try.

Eyes of blue, of brown or black
Of the ears they do not lack;
Lips that could a volume speak;
But to me they are a freak.

So I'll paste them down with care,
Lest they wander from the trail;
Send them to the "Digest"—there!
Place them on the morrow's mail.

WHOZITEER LILLIAN.

Insert Missing Word Before "World"

Dear Indi: The romantic young announcer momentarily forgot, in the ardor of his newly-awakened affections, that he had failed to shut off his "mike." Hence, he exclaimed spontaneously, as the fair soprano entered the studio: "Oh, Alice, how lovely you are this morning. I adore you!" and more than one hundred thousand fans, listening in, chortled with glee.

And thus originated the popular phrase: "I'll tell the world."
J. E. R.

NuRsRie RiMes % @c/.

Hie DeCkerie DeCkErie DocK/,c/;
HeNrey LookEd at THee Clock, @:.
THee ClOcK stRiked OnE,
BuTt hee HaD jEst BuGun—
too Reede leeteRs froAm FannS%—
AsKin HoW too SmoAK HaMMs/,.
Oar WaUT waz GooD to FedE a Dogue,
& PleeZe seNd mEE a SedE caTalOgue.
Hee DeD noTT caRe
Iff hee MesseD upP tHee Aer,
TaLk is CheeP i'Ve HeeRed Em saY,
BuTt we WazenT looKin feR barGins theT day
So we LeTT him Rave and LeTT hiM sHoUt
And PRoMptlie TunnEd thee SuCker OUT.
Yours Turlie,
OLD KING TUTT.
Hiz-Self.

Station HUMOR

Broadcasting on 131313 Meters
Arthur C. Stowell, Announcing

"At 8:15 p. m. the Grand Bank's quartet, composed of various members of a Gloucester fishing boat crew, will render a pleasing little vocal number, entitled, 'Three Crabs and a South Sea Octopus.' A nice kettle of fish, as your Aunt might say. However, if the Grand Bank's quartet arrives from the fishing grounds without getting floundered on a bar somewhere, or rather around one, we hope you enjoy their little program contribution swimmingly."
INDI

It's Coming to Him



Condensed BY DIELECTRIC

Each time that Station WSMB, New Orleans, Louisiana, is tuned in there is an added feeling of cordiality toward the broadcaster. This may be due largely to the personality of the announcer—the same one having charge of Mike each time I get them—as the features presented are seldom extraordinary either in character or talent. There is a quality in the voice of this announcer which rings true to the spirit of friendliness, while the announcements are utterly free of any taint of self-glory.

When the National Broadcasting company secured the reappearance of Ernestine Schumann-Heink on their program they presented a great musical artist with as large a Radio following as held by any artist of the day. After so many years of generous response to the public's demand for more program than concerts listed; after, too, giving her artistry so freely to the encouragement of the war's maimed, it would be base ingratitude to mention any defects that hour of broadcasting revealed. Remarkable is her vitality, but more so her wonderful retention of vocal control, besides revealing a huge capacity for taking us all into her affection. It is fortunate that so gifted a woman should live until Radio broadcasting could reveal her to those no other medium might reach.

Surely the majority listening to a program arranged by a singing club of Dayton, Ohio, broadcast through Station WLW, Cincinnati, Ohio, experienced nothing but pleasure from their efforts. The selections chosen for the evening were taken from among songs known to everyone. That should have insured them a continuous hearing. Add to that voices blending harmoniously in common accord as to phrasing and modulation and you have a feature to make Radio's appeal almost universal. By some miraculous means I was able to hear most of this feature, while denied the pleasure of hearing numbers marked for broadcasting on subsequent evenings.

Precious little weight would the law have with me if I could reach some of these station directors whose length of programs, broadness of tuning or shifted position in wavelength prevents getting distant features worthy a place of review in these columns. Just here reference is intended to Station KOA, Denver, Colorado, which should have a full review of the anniversary program, but which must be content with a partial review. Seldom do my dials register this station with success, as compared with former years, yet it is possible to state how well balanced was the program and pleasing the instrumental and vocal numbers received. No doubt those able to get the whole program found it worthy a place beside that presented on their first anniversary. How long shall we suffer this intolerable condition in Radio broadcasting to continue?

Station WSB, Atlanta, Ga., offered skillful saxophone players interspersed with—TELEGRAMS; WNAC, Boston, Mass., an organ recital from the Metropolitan theatre in that city which introduced some interesting and surprising effects on that instrument; another concert by the famous Boston symphony orchestra of classical numbers ranging from Bach to Rimsky Karsakoff—at least the last named composer was to be represented. Thanks to the stations rebroadcasting this feature that last great number, "Scherzade," was not heard. Some other minor feature must needs have the air and the station to which I was listening—WJZ, New York—got the same atmospheric tribute.

AN EVENING AT HOME WITH THE LISTENER IN IN EASTERN TIME

Table listing radio stations by location, call letters, and broadcast times for Saturday through Friday. Includes stations like CFCA, KDKA, WABC, and many others.

STATIONS IN ORDER OF WAVE LENGTHS

Table listing radio stations in order of wave lengths, with columns for Meters, Call, and Station Name. Includes stations like WOK, WMAK, KTAB, etc.

New Stations

New stations licensed by the department of commerce last month include: WLBR, Belvidere, Ill., 335m-895kc; KGDY, Shreveport, La., 291.1m-1030kc; WBSO, Wellesley Hills, Mass., 242m-1239kc; WBET, Boston, Mass., 384.4m-780kc; WMPC, Lapeer, Mich., 222m-1351kc; WLPP, Ashland, Ohio, 220.4m-1360kc; WLBK, Cleveland, O., 300m-999.4kc; WLBK, Chicago, Ill., 225.4m-1330kc; WCOM, Oldham, S. D., 210m-1428kc; WCOM, Manchester, N. H., 252m-1190kc; KGDZ, Decorah, Ia., 431m-695.6kc; KYA, San Francisco, Calif., 399.8m-750kc; WLBA, Philadelphia, Pa., 236.1m-1270kc; WRSC, Chelsea, Mass., 270.1m-1100kc; KFRC, Santa Barbara, Calif., 413m-726kc; WTRL, Midland Park, N. J., 280.2m-1070kc; WOKT, Rochester, N. Y., 340m-881.8kc; WLBO, Galesburg, Ill., 243m-1234kc; WLBQ, Atwood, Ill., 230.6m-1300kc.

The General Electric Company of Mexico City has just entered the ether with a new 2,000-watt station. This station uses the call CYJ and may be heard on 400 meters.

The Atlantic Broadcasting Corporation announces a change in call letters for the new super-power 5-kw transmitter WAHG. This new giant of the air will be known hereafter as WABC.

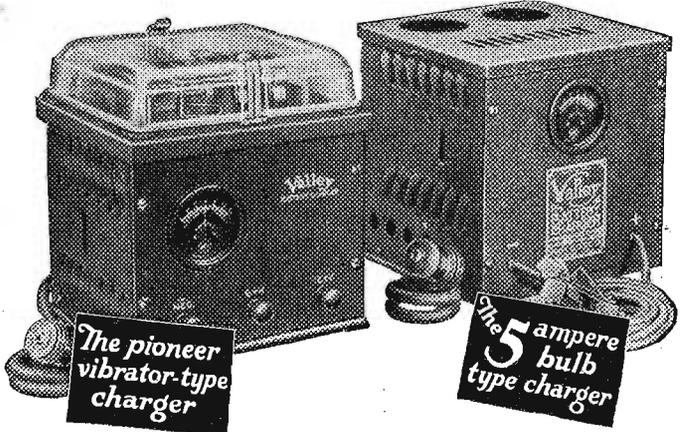
"This is Station KGA of Spokane, U. S. A." This sentence will be used within the next few weeks to announce the opening of the new north hill broadcasting station at Spokane, Wash., by the Northwest Radio Service company of Seattle, owners. The Spokane station is one of five in a Pacific coast chain. The new Station KJR, located near Seattle, was opened recently. The Portland, Ore., station will be ready for broadcasting in a few days. The other two stations are being built in California.

The Spokane station will start broadcasting with 8,000 watts power but the ultimate power will depend on tests made over a period of a week or more. KGA will operate on a tentative wave length of 340 meters.

New equipment to cost around \$35,000 was announced recently for Station KHQ of Spokane. The power will be raised from 1,000 to 5,000 watts.

WKBO, Jersey City, N. J., may now be found on 303.9m-986.6kc. Two stations, KFUU, Oakland, Calif. and WIBH, New Bedford, Mass., are off the air.

The two deletes of the month are KGBW, Joplin, Mo., and WEBZ, Savannah, Ga.



Use either one for a dependable source of "A" battery current

YOU can get the famous Valley Battery Charger in both vibrator and bulb types. Use either one for a dependable source of A battery current.

with finest radio receiver. Complete with cord and plug, and leads and clips.

The Vibrator Type: This is the pioneer of radio battery chargers. Nearly a quarter of a million of this type of Valley Charger has gone into service all over the world.

The Twin Bulb Type: The twin bulb design of this Valley Charger overcomes the only objection to the bulb type charger, i. e., the slow charging rate.

Charges 6-volt batteries at 6 amperes, 12-volt batteries at 3 amperes. Quiet. Efficient. Cannot harm the battery.

Using both bulbs, you have a 5-ampere charger. Using only one bulb, you have a 2 1/2-ampere charger. Thus the charging rate and the purchase of one bulb or two are entirely optional.

Mounted in black case with bakelite panel and glass top. Pleasing in appearance and will harmonize

Absolutely noiseless. Built in handsome black grained metal case. Complete with cord and plug, and leads and clips.

RADIO DIVISION

VALLEY ELECTRIC CO., ST. LOUIS, MO.

District Offices; Boston, Chicago, Cleveland, Indianapolis, Kansas City, Minneapolis, New York, Philadelphia, San Francisco

Manufacturers of

B Power Units—Radio Receiving Sets—Vibrator Type Chargers—Twin Bulb Type Chargers

WHAS, WSB ON CHAIN; DAMROSCH FEAT

HIGH LIGHTS OF THE AIR

FRENCH songs arranged by Edouard Defresne, French baritone, will occupy the period between 5 and 7 p. m. Central time, Sunday, January 16, from WSBC. The freshness and piquancy of these songs will attract the attention of listeners to this program.

Rollicking old sea songs and songs of the backwood settlers of Kentucky and Carolina will be sung by 60 male voices and picked up by the Hartford station, WTIC, Tuesday, January 18. The University glee club of New Haven once more takes to the ether.

An Irish trio, M. F. Sullivan, fiddler, Patrick Linehan, Irish piper, and Catherine Sullivan, pianist, will attract those who slightly remember the "auld sod" to tune in for WCCO, Wednesday, January 19. The program will consist of Irish folk songs, lively jigs and even ballads which recall the little people of Ireland.

WLW now has a light opera company which puts on programs very far from light. Thursday, January 20, the company will give the opera "Il Trovatore."

A prize fight went down into history because it was one of the big radio events of 1926. Blow for blow the description went out over the microphones of the larger stations in the United States. It remains to be seen whether a wrestling match can make such a vivid appeal to the imagination. Such an experiment will be made Saturday, January 22, when WOI broadcasts the wrestling match between Missouri and Ames.

"Sampling in a Pastry Cook's Pantry" is the intriguing title of a program to be given over WRNY, Tuesday, January 25. During the Edison hour of this station the listener may turn back the years, steal into the musical pantry and extract all sorts of sugar plums without being caught. Fun, pep, speed and ginger are only a few of the things promised by

WRVA, Richmond, for Friday night, January 28, during the Edgeworth Lobster review. There is promise of a glee club and a number of old time fiddlers.

The old-time contests so popular in the United States have also penetrated the Radio field of our neighbor, Canada. CNRA, Moncton, N. B., schedules such a contest for Friday, January 28. Winners will be chosen among the old-time fiddlers and other musicians who play the accordion, tin whistle etc. As the champions will be acclaimed by the amount of mail applause received the fans will really be the judges.

Works by France's great musician, Camille Saint-Saens, will make up the entire program to be broadcast during the Balkite hour, Saturday, January 29, at 9 p. m. Walter Damrosch, conductor of the New York symphony, has arranged this program in memory of his friend, Saint-Saens, whose well known opera "Samson and Delilah" is given every year by the various grand opera companies.

The romantic ghost town of Buckskin Joe, Colorado, will come to life in a musical dramatization sponsored by the Denver Post, over KOA, Monday at 8:15 p. m. Mountain time. Indian tribal chants, cowboy ballads, dance hall music by pioneer fiddlers, mission chants are only a few of the properties of the invisible stage which will create again frontier life.

We want to call our readers' attention to the two WEAFF chain programs now being given over WHAS. Tuesdays at 9 p. m. Eastern time the Eveready hour will be broadcast. Sunday WHAS will be a part of the chain giving the Capitol theater program at 7:20 p. m.

WSB will broadcast the Eveready hour of the red network on Tuesday and will broadcast the Atwater Kent program on Sunday.

To the right may be seen one of the new dance steps of the Tango Waltz now being taught over KOA, Denver, every Wednesday night, at 8:15 p. m. by Josephine Block. Below is Elfrieda Steindorff, soprano, member of the comic opera company featured regularly over KGO, Oakland.



Note to Readers

THE "Regular Features" give a handy timetable for use when referring to any particular station's feature. All the evening hours are given. Many stations list the same dance orchestras, the same harmony teams and the same dinner concerts every week. Instead of giving these similar features to you twice and sometimes three times, we have given them to you but once.

At the head of the "Regular Features" you will find the high spots of the programs listed under "Headliners," for the day you are interested in. The "Educational Features" are listed like the "Regular Features" (just once), because so many of these are university courses and run from week to week. We shall be glad to hear from our readers if these instructions are not clear and shall be glad to have our readers offer suggestions.

SATURDAY, JANUARY 15 Headliners

Eastern	Central	Mountain	Pacific
12 n.	11	10	9
WQJ (447.5m-670kc) F. E. Ormsby, "Character Reading."	5	4	3
6 p. m.	5	4	3
WTIC (475.9m-630kc) Hub trio.	5:30	4:30	3:30
6:30	5:30	4:30	3:30
WBZ (333.1m-900kc) Dick Newcomb's society orchestra.			
7	5	4	
WJZ (454.2m-660kc) Don Voorhees Earl Carroll theater orchestra.			
7:15	6:15	5:15	4:15
WCCO (416.4m-720kc) Ellen Nordstrom Olson, Corinne Jordan.			
7:30	6:30	5:30	4:30
WEAF (491.5m-610kc) "Fancy Free."			
7:45	6:45	5:45	4:45
WBZ (333.1m-900kc) Knights of Pythias male quartet.			
8	6	5	
CKNC (357m-840kc) The Battery Boys.			
WBAP (475.9m-630kc) Florence Massengale.			
WEAF (491.5m-610kc), WEEL (348.6m-860kc), WRC (468.5m-640kc), WCAE (461.3m-650kc), WGY (379.5m-790kc), "The Fencing Master."			
WFI (394.5m-760kc) The Entertainers.			
WQJ (447.5m-670kc) "Instrumental Hour."			
WJZ (454.2m-660kc) Criterion male quartet.			
WTIC (475.9m-630kc) Hartford composers' period.			
8:10	7:10	6:10	5:10
WBZ (333.1m-900kc) Boston symphony orchestra.			
8:30	7:30	6:30	5:30
WHAS (399.8m-750kc) German music society.			
WTIC (475.9m-630kc) Mildred Warner, Robert Young.			
8:35	7:35	6:35	5:35
WPC (299.8m-1000kc) "Little Journeys to the Homes of Great Musicians."			
9	8	7	6
WEAF (491.5m-610kc), WEEL (348.6m-860kc), WGR (319m-940kc), WFI (394.5m-760kc), WCAE (461.3m-650kc), WSAI (325.9m-920kc), WTAM (389.4m-770kc), WWJ (352.7m-820kc), WGN (302.8m-990kc), WCCO (416.4m-720kc), KSD (545.1m-550kc), WDAF (365.6m-820kc), WOC (483.6m-620kc), WRC (468.5m-640kc), WGY (379.5m-790kc), Walter Damrosch, New York symphony.			
1. Overture, "Fingal's Cave".....Mendelssohn			
2. Dance of the Old Ladies.....Casella			
3. Andante from Symphony No. 5, Tchaikovsky			
4. Air on G string (Gavotte).....Bach			
5. Dances from "Henry VIII".....Saint-Saens			
10	9	8	7
WCCO (416.4m-720kc) Minneapolis Chamber of Commerce glee club.			
11	10	9	8
KFI (467m-642kc) "Faust," KFO.			
WBMM (226m-1330kc) "Log Cabin Days" mixed quartet.			
11:10	10:10	9:10	8:10
KTHS (374.8m-800kc) Guest talent presentations.			
2 a. m.	1	12	11
KFI (467m-642kc) Dixieland Blue Blowers.			

Eastern	Central	Mountain	Pacific
9:30 p. m.	8:30	7:30	6:30
WMC (499.7m-600kc) Memphis Plectrum orchestra.			
10	9	8	7
CNRW (322.4m-780kc) Fort Garry hotel dance program.			
WOC (483.6m-620kc) musical program.			
WGC (299.8m-1000kc) Marcelle Duo.			
WTIC (475.9m-630kc) Club Worthy orchestra.			
10:05	9:05	8:05	7:05
WIP (508.2m-590kc) Jewish welfare drive.			
10:10	9:10	8:10	7:10
WEAF (491.5m-610kc), WTAG (545.1m-550kc), dance music, Le Perquoise de Paris.			
10:15	9:15	8:15	7:15
WCI (416.4m-720kc) Russian Art troupe.			
10:30	9:30	8:30	7:30
WMAQ (447.5m-670kc) Pratt and Sherman.			
11	10	9	8
KFI (467m-642kc) Gamut male quartet, Louise Kjos, harpist.			
KTHS (374.8m-800kc) Mr. and Mrs. Benjamin Sears, old time fiddler and pianist.			
12 mid.	11	10	9
CNRE (516.9m-580kc) Sullivan's academy of dancing program.			
1 a. m.	12	11	10
KOWW (285m-1052kc) Croxdale serenaders.			

SATURDAY, JANUARY 22 Headliners

Eastern	Central	Mountain	Pacific
4 p. m.	3	2	1
CKNC (357m-840kc) Eveready instrumental quintet.			
6	5	4	3
WTIC (475.9m-630kc) Hub Group.			
6:25	5:25	4:25	3:25
WTIC (475.9m-630kc) Ruby Hart, pianist; Olive McCabe, soprano.			
8	7	6	5
WOC (483.6m-620kc) Saxophone quartet.			
8:10	7:10	6:10	5:10
WBZ (333.1m-900kc) Boston symphony orchestra.			
8:15	7:15	6:15	5:15
WLW (422.3m-710kc) Ford and Glenn.			
8:30	7:30	6:30	5:30
PVJ (399.8m-750kc) Cuban music.			
WTIC (475.9m-630kc) Long Lane Farm glee club.			
9	8	7	6
WBAP (475.9m-630kc) Clyde and Florence Massengale.			
WEAF (491.5m-610kc), WEEL (348.6m-860kc), WGR (319m-940kc), WFI (394.5m-760kc), WCAE (461.3m-650kc), WSAI (325.9m-920kc), WTAM (389.4m-770kc), WWJ (352.7m-820kc), WGN (302.8m-990kc), WCCO (416.4m-720kc), KSD (545.1m-550kc), WDAF (365.6m-820kc), WOC (483.6m-620kc), WRC (468.5m-640kc), WGY (379.5m-790kc), Walter Damrosch, New York symphony.			
1. Overture, "Fingal's Cave".....Mendelssohn			
2. Dance of the Old Ladies.....Casella			
3. Andante from Symphony No. 5, Tchaikovsky			
4. Air on G string (Gavotte).....Bach			
5. Dances from "Henry VIII".....Saint-Saens			
10	9	8	7
WCCO (416.4m-720kc) Minneapolis Chamber of Commerce glee club.			
11	10	9	8
KFI (467m-642kc) "Faust," KFO.			
WBMM (226m-1330kc) "Log Cabin Days" mixed quartet.			
11:10	10:10	9:10	8:10
KTHS (374.8m-800kc) Guest talent presentations.			
2 a. m.	1	12	11
KFI (467m-642kc) Dixieland Blue Blowers.			

SATURDAY, JANUARY 29 Headliners

Eastern	Central	Mountain	Pacific
7 p. m.	6	5	4
WEAF (491.5m-610kc), WRC (468.5m-640kc) and chain, Bureau of Budget, President Collidge, U. S. marine band, General Lord.			
7:30	6:30	5:30	4:30
WSBC (288.3m-1040kc) Indian program.			

Eastern	Central	Mountain	Pacific
9:00 p. m.	8:00	7:00	6:00
WEAF (491.5m-610kc), WGR (319m-940kc), WCAE (461.3m-650kc), WTAM (389.4m-770kc), WGN (302.8m-990kc), KSD (545.1m-550kc), WOC (483.6m-620kc), WGY (379.5m-790kc), Walter Damrosch, "Camille," Saint-Saens program; Prelude to "The Deluge for Stringed Orchestra"; Valse de Concert for piano solo; Barcarolle, "A Night in Lisbon"; "Tarantelle," for flute and clarinet solos; "Carnival of the Animals."			
WEAF (491.5m-610kc), WRC (468.5m-640kc), WGY (379.5m-790kc), Walter Damrosch, "Camille," Saint-Saens program; Prelude to "The Deluge for Stringed Orchestra"; Valse de Concert for piano solo; Barcarolle, "A Night in Lisbon"; "Tarantelle," for flute and clarinet solos; "Carnival of the Animals."			
WENR (266m-1130kc) Rauland lyric trio.			
WEAF (475.9m-630kc) Mrs. Albert E. Smith, soprano; Mrs. Howard Parks, contralto.			
8:15	7:15	6:15	5:15
KPRC (299.8m-1000kc) Kelly and Abbitt, "those harmony boys."			
10	9	8	7
KTHS (374.8m-800kc) Old Time Fiddlers of Prescott.			
10:30	9:30	8:30	7:30
WBAP (475.9m-630kc) The "Sunflower Girl."			
11:45	10:45	9:45	8:45
WSB (468.5m-640kc) West Point route band.			

Educational Features

Eastern	Central	Mountain	Pacific
9 p. m.	8	7	6
WOW (526m-570kc) Historical talks.			
8:30	7:30	6:30	5:30
WOW (526m-570kc) Creighton educational period.			
9:30	8:30	7:30	6:30
WMAQ (447.5m-670kc) Photologues.			

Regular Saturday Features

Eastern	Central	Mountain	Pacific
7:15 p. m.	6:15	5:15	4:15
CKAC Montreal, Que., Can. (410.7m-730kc) 7:15 p. m. dinner concert; 10:30, Red Jackets.			
CKCL Toronto, Can. (357m-840kc) 7-8 p. m. trio.			
KDKA Pittsburgh, Pa. (309.1m-970kc) 6:15 p. m. dinner concert, Westinghouse band; 8, concert.			
PWX Havana, Cuba (399.8m-750kc) 8:30 p. m. frolic.			
WAAM Newark, N. J. (263m-1140kc), 7:15 p. m. children's program; 7:45, evening musical.			
WABC New York, N. Y. (315.6m-850kc) 12 mid. dance 1, vaudeville.			
WBZ Springfield, Mass. (333.1m-900kc) 6:30 p. m. orchestra; 7:15, orchestra; 7:45, male quartet; 8:10, orchestra; 10:15, dance music.			
WCAE Pittsburgh, Pa. (461.3m-650kc) 6 p. m. dance orchestra; 8, WEAF; 9, WEAF.			
WCX Detroit, Mich. (516.9m-580kc) 6-7 p. m. dinner program, Goldkette ensemble.			
WDBO Winter Park, Fla. (239.9m-1250kc) 6:30 p. m. dinner concert; 7:45, musical.			
WEAF New York, N. Y. (491.5m-610kc) 6 p. m. dinner music; 7, Janssen's Hofbrau orchestra; 7:30, headliner; 7:45, talk; 9, Balkite hour; WEEL, WGR, WEL, WCAE, WWJ, WSAI, WTAM, WGN, KSD, WCCO, WDAF; (regular) 10, WEAF Revue; 10:30, orchestra; 11:30, orchestra.			
WEEL Boston, Mass. (348.6m-860kc) 7:55 p. m. Boston Globe; 8, WEAF; 9, WEAF; 10, Cruising the air.			
WFI Philadelphia, Pa. (394.5m-760kc) 6:45 p. m. Adelphia dance orchestra; 8:15, recital; 9, concert; 9:30, Starlight Players; 10, quartet; 10:30, Adelphia French Room orchestra.			
WGBS New York, N. Y. (315.6m-850kc) 7 p. m. music.			
WGHB Clearwater, Fla. (266m-1130kc) 7 p. m. music; 8:30, studio program; 10, dance program.			
WGR Buffalo, N. Y. (319m-940kc) 9-10 p. m. WEAF.			
WGY Schenectady, N. Y. (379.5m-790kc) 6:30 p. m. dinner program, Onondaga hotel, WFBL, WGY; 7:30, Shea's Buffalo hour; WMAK, WGY; 8:05, WJZ; 10:30, dance program.			
WHK, Cleveland, Ohio (272.6m-1100kc) 8 p. m. instrumental hour; 9, orchestra; 10, Happy hours; 11-12, Whozit.			
WIP Philadelphia, Pa. (508.2m-590kc) 6:05 p. m. Benjamin Franklin concert orchestra; 7, Uncle Wip's bedtime stories; 8, sports corner, Dr. Francis D'Eisler; 8:15, recital; 8:45, program 10:30, dance orchestra from WGBS; 11:05, organ recital, Note New Year's program in headliners.			
WJAX Jacksonville, Fla. (336.9m-890kc) 8-9 p. m. classical program; 9-10 Casa de Baile dance music.			

WJR Detroit, Mich. (516.9m-580kc) 7 p. m. Jean Goldkette's Petite symphony orchestra, soloists; 9, studio program; 11:30, Merry Old Chief.

WJZ New York, N. Y. (454.3m-660kc) Note: WJZ programs to be announced over the air. The following program is only tentative. 7 p. m. Hotel Commodore dinner orchestra; 7:45, Don Voorhees orchestra; 8:25, orchestra, WBZ, WGY, WRC; 10:30, Jack Denny's Frivolity Club orchestra, WRC will also broadcast.

WKRC Cincinnati, Ohio (325.9m-920kc) 10 p. m. Swi-S Garden Loons; 11, popular program; 11:15, dance music.

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

WLW Cincinnati, Ohio (422.3m-710kc) 7 p. m. organ concert, Johanna Grosse; 8, Sekatary Hawkins Radio club; 8:15, Ford and Glenn; 10, dance music, Castle Farm.

WMAK Buffalo, N. Y. (265.5m-1130kc) 6:30 p. m. Hotel Onondaga orchestra; 7:30, Shea's Buffalo theater; 9:30, musicale; 10:30, dance music.

WMC New York, N. Y. (340.7m-880kc) 11 p. m. Ernie Golden and his Hotel McAlpin orchestra; 12, McAlpin entertainers.

WNYC New York, N. Y. (526m-570kc) 7 p. m. piano selections.

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

WOR Newark, N. J. (405.2m-740kc) 6:15 p. m. Jacques Jacobs' Hotel Shelton ensemble; 6:45, Bill Wathey in sports; 7:15, program; 11, orchestra.

WPG Atlantic City, N. J. (299.8m-1000kc) 7:15 p. m. organ recital, Arthur Brook; 7:30, Hotel Morton dinner music; 8, dinner music; 8:35, "Little Journeys to the Homes of Great Musicians," Alice Sachse, pianist; 9, Hotel Chelsea concert; 9:30, Hotel Traymore concert orchestra; 10, studio program; 10:30, dance music; 11:30, Gateway casino.

WRC Washington, D. C. (468.5m-640kc) 7 p. m. Hotel Washington orchestra; 8, WEAF; 9, WEAF; 10, dance music; 11, orchestra.

WSAI Cincinnati, Ohio (325.9m-920kc) 7:45 p. m. news; 8, sextet; 9, WEAF; 12, dance music.

WSKC Bay City, Mich. (260.7m-1150kc) 11-2 a. m. studio program.

WTAC, Worcester, Mass. (545.1m-550kc) 8 p. m. program; 9, Bancroft hotel orchestra; 10, WEAF.

WTAM Cleveland, Ohio (389.4m-770kc) 6:15 p. m. Hotel Cleveland orchestra; 7:15, studio program; 9, WEAF; 10, Ev Jones' Merry-makers.

WTIC Hartford, Conn. (475.9m-630kc) 6 p. m. Hub Restaurant trio; 8, program; 10, orchestra.

WWJ Detroit, Mich. (352.7m-820kc) 9 p. m. WEAF.

Central Time Stations

CKY Winnipeg, Can. (384.4m-780kc) 9:30-10:30 p. m. Herbert Sadler, organist.

KFAB Lincoln, Nebr. (340.7m-880kc) 8:30-10:30, variety program.

KFH Wichita, Kan. (268m-1120kc) 7:30 p. m. artists' recital.

KLDS Independence (440.9m-680kc) 7 p. m. musicale; 8, studio program.

KFNH Shenandoah, Iowa (461.3m-650kc) 7 p. m. music; 11, old-time music.

KMA Shenandoah, Ia. (461.3m-650kc) 9-11 p. m. Grinnell Brothers.

KMOX St. Louis, Mo. (280.2m-1070kc) 6:30 p. m. soloist; 7, Little Red Schoolhouse; 8, orchestra; 9, Do, Re, Mi's;

FEATURES SAINT-SAENS' MUSIC JAN. 29



Frances Sebel, lyric soprano of the WEAFF Grand opera company may be heard during the presentations by this company through WEAFF and associated stations, Monday evenings at 10 p. m. On Monday, January 17, "La Traviata," will be given; January 24, "Fidelio," and January 31, "Romeo and Juliet."



KGO Oakland, Calif. (361.2m-830kc) 8:15 p. m. program; 9:15-1 a. m. Whitcomb band; Frank Gibney, soloist.
 KCWV Portland, Ore. (491.5m-610kc) 6-7 p. m. dinner music; 9:10, quartet; 10-12, dance music.
 KHJ Los Angeles, Calif. (405.2m-740kc) 6 p. m. male quartet; 6:30-7:30 p. m. children's hour; 8-10, varied program.
 KMTR Hollywood, Calif. (370.2m-810kc) 8-9 p. m. concert orchestra; 9-10, studio program; 10-12, dance music.
 KNX Hollywood, Calif. (336.9m-890kc) 7:30 p. m. features; 10, Hotel Ambassador; 11, Saturday night frolic.
 KPO San Francisco, Calif. (428.3m-700kc) 6:30 p. m. States Restaurant orchestra; 8-1, dance music.
 KPSN Pasadena, Calif. (315.6m-950kc) 8-9 p. m. Star-News instrumental ensemble.

Saturday, silent night for: CFCA, KFDM, KFDY, KFUC, KIX, KOB, KSWC, KUOA, KWWG, WBAI, WCAL, WCAU, WCBW, WCOA, WCX, WEBJ, WEMC, WGBF, WGPC, WGHF, WGR, WHA, WHAD, WHB, WHN, WHO, WICC, WJAR, WLWL, WOAI, WOS, WRVA, WTIC, WWJ.

SUNDAY, JANUARY 16 Church Services

Eastern	Central	Mountain	Pacific
10:30 a. m.	9:30	8:30	7:30
WOS (449.9m-680kc) First Christian church.	9:45	8:45	7:45
WTAM (389.4m-770kc) Euclid Ave. Christian church.	10:50	9:50	8:50
WBZ (333.1m-900kc) Church of the Unity.	11	10	9
WLV (422.3m-710kc) Seventh Presbyterian church.	12 m.	11	10
WSAI (325.9m-920kc) Avondale Methodist Episcopal church.	12 m.	11	10
KSO (405.2m-740kc) M. E. church services.	10:45	9:45	8:45
KPHS (374.8m-800kc) First Presbyterian church.	10:45	9:45	8:45
WVAP (475.9m-630kc) First Methodist church.	1 p. m.	12	11
WHO (526m-570kc) B'nai Jeshurun congregation.	1 p. m.	12	11
KOWW (285m-1052kc) First Presbyterian church.	2	1	12
KGO (361.2m-830kc) First Presbyterian church.	3	2	1
WBAP (475.9m-630kc) vesper services, Baptist seminary.	7	6	5
WSB (428.3m-700kc) Lutheran church.	7:30	6:30	5:30
WOC (483.6m-920kc) Methodist Episcopal church.	7:30	6:30	5:30
WLW (422.3m-710kc) First Presbyterian church.	8	7	6
KFH (268m-1120kc) First Baptist church services.	8	7	6
WFAA (475.9m-630kc) First Presbyterian church.	8:30	7:30	6:30
WTAM (389.4m-770kc) Euclid Ave. Christian church.	8:30	7:30	6:30
KTRC (299.8m-1000kc) Service of South Main Baptist church.	9	8	7
WOS (440.9m-680kc) First Presbyterian church.	9	8	7
WSB (428.3m-700kc) Worth Ave. Presbyterian church.	10:35	9:35	8:35
KGO (361.2m-830kc) First Presbyterian church.	10:35	9:35	8:35

SUNDAY, JANUARY 16 Headliners

Eastern	Central	Mountain	Pacific
3:30 p. m.	2:30	1:30	12:30
WBZ (333.1m-900kc) Salem Philharmonic hour.	5	4	3
WHO (526m-570kc) One Act Play, Des Moines Community drama association.	5:40	4:40	3:40
KGO (361.2m-830kc) San Francisco symphony.	6	5	4
WEAF (491.5m-610kc) "The Rivals," WEAFF players.	6	5	4
WVMA (340.7m-880kc) Romer's Homers.	6:45	5:45	4:45
WVBC (288.3m-1040kc) Hultman Conservatory of Music concert.	6:45	5:45	4:45
WTIC (479.9m-630kc) State theater concert.	6:45	5:45	4:45

WCCO Minneapolis-St. Paul, Minn. (416.4m-720kc) 6:15 p. m. Vesley Barlow's Nicollet hotel orchestra; 8, WEAFF; 10:05, dance program, Wallie Erickson's orchestra; 10:15, program.
 WCFL Chicago, Ill. (491.5m-610kc) 7 p. m. Brevoort trio; 8, vaudeville hour; 10, Alamo orchestra; 11-12, entertainers.
 WDAF Kansas City, Mo. (365.6m-820kc) 6-7 p. m. school of the air; 8-9, WEAFF; 9-10, around the town; 11:45-1, Nighthawk frolic.
 WEBH Chicago, Ill. (370.2m-810kc) 7 p. m. Edgewater Beach hotel orchestra; 11-2 a. m., orchestra; Sunset male quartet.
 WENR Chicago, Ill. (265.3m-1130kc) 6-6:30 p. m. organ; 6:30-6:50, classical program; 8-9, trio; 9-10, orchestra; 12-2, Last Minute club.
 WFAA Dallas, Tex. (475.9m-630kc) 6:30-7:30 p. m. entertainers; 8:30-9:30, concert; 11-12, concert.
 WGN Chicago, Ill. (302.8m-990kc) 6:35-7 p. m. Drake concert ensemble; 8-9, WEAFF; 9, Grand opera period; 10, Sam 'n' Henry; 10:10, The Music Box; 10:20-11, songs.
 WHAD Milwaukee, Wis. (275.1m-1090kc) 6:15 p. m. orchestra and vocal selections, Wisconsin hotel; 7, children's hour.
 WHAS Louisville, Ky. (399.8m-750kc) 7:30-9 p. m. studio concert.
 WHT Chicago, Ill. (399.8m-750kc) 6 p. m. Al Carney, organist; 7:45 (235m-1260kc), Stuart Dawson; 9:30 (399.8m-750kc), Irene and Albert; 11, Pat and Al.
 WIBO Chicago, Ill. (225.4m-1330kc) 6-7 p. m. dinner concert; 7-8, Bradley college hour.
 WJAZ Chicago, Ill. (329.5m-910kc) 6:30 p. m. dinner program; 7-8, Shoreland; 8, musical highlights; 9-11, Shoreland; 11-2, frolic.
 WJJD Mooseheart, Ill. (370.2m-810kc) 8 p. m. Victorians.
 WLIB Chicago, Ill. (302.8m-990kc) 7-8 p. m. dinner concert; 11-12:30, organ, orchestras.
 WLS Chicago, Ill. (344.6m-870kc) 6:40 p. m. College Inn orchestra; 7-1, frolic.
 WMAQ Chicago, Ill. (447.5m-670kc) 6 p. m. Chicago theater organ; 6:30, Gus Edwards' orchestra; 8, pho-tologue; 8:30, Chicago theater revue; 9:30, songs.
 WMMB Chicago, Ill. (249.9m-1200kc) 7:30-8:30 p. m. Trianon ensemble; artists; 8:30-11, Trianon orchestra ensemble.
 WMC Memphis, Tenn. (499.7m-600kc) 7:30 p. m. dance music; 8:30, entertainment.
 WOC Davenport, Iowa (483.6m-920kc) 7-8 p. m. musicale; 8-9, WEAFF; 9-10, program.
 WOK Chicago, Ill. (238m-1260kc) 6-7:45 p. m. string ensemble; 8-9 (217.3m-1380kc), program; 9:30-12 (238m-1260kc), synopsators.
 WOQ Kansas City, Mo. (278m-1090kc) 6:15 p. m. dance music; 10, service.
 WORD Chicago, Ill. (275.1m-1090kc) 7 p. m. Webster hotel concert program; 9, studio program.
 WOW Omaha, Neb. (526m-570kc) 6 p. m. literary hour; 9, program; 10, Tracy-Brown's Oklahomans.
 WQJ Chicago, Ill. (447.5m-670kc) 7-8 p. m. Rainbo orchestra; 10-3 a. m. Rainbo Gardens frolic.
 WRR Dallas, Tex. (245.8m-1220kc) 8-9 p. m. music.
 WSB Atlanta, Ga. (428.3m-700kc) 8 p. m. Atlanta Atwater Kent hour; 10:45, Ernest Rogers' Red Head club.
 WSCB Chicago, Ill. (288.3m-1040kc) 6:30-8 p. m. dinner program; 9-11, entertainers.
 WSMN New Orleans, La. (319m-940kc) 8:30 p. m. popular program.
 WSOE Milwaukee, Wis. (245.8m-1220kc) 8 p. m. Whozit artists.
 WSWs Chicago, Ill. (275.8m-1090kc) 6 p. m. dinner program, Terrace Garden orchestra; 8, production, Magic Crystal; Walter Dyckman, bass; 10, orchestra; John Clark, baritone; ballads, John Ude; 12 midnight, Witching hour.

Mountain Time Stations

KOA Denver, Colo. (322.4m-930kc) 10:30 p. m. Scheuerman's Colorado orchestra.

Pacific Time Stations

KFI Los Angeles, Calif. (467m-642kc) 7-8 p. m. trio; 8-9, program; 9-10, classical program; 10-11, Packard Radio club; 11-2 a. m. KFI midnight frolic.
 KFWB Hollywood, Calif. (252m-1190kc) 6-7 p. m. Pontiac dinner hour; 8-9, program, Mona Motor Oil Company; 9-10, headliner; 10-11, Warner Brothers frolic.

FARMER'S PROGRAM INDEX

Special Farm Features			
Monday			
Eastern	Central	Mountain	Pacific
10:30 a. m.	9:30	8:30	7:30
WFI (394.5m-760kc), Farm feature.	11	10	9
WCAE (461.3m-650kc), U. S. farm school.	11	10	9
WCCO (416.4m-720kc), Farm hour.	12	11	10
WBB (365.6m-820kc), U. S. farm flashes.	1:10	12:10	11:10
WMAQ (447.5m-670kc), Prairie Farmer farm talks.	1:13	12:13	11:13
WHO (526m-570kc), Radio farm school.	1:15	12:15	11:15
WTAW (270.1m-1110kc), Jan. 17, 24, Planning the 1927 Farm business; fertilizer.	1:30	12:30	11:30
KFDY (306m-978kc), Poultry course.	2	1	12
KMA (461.3m-650kc), Farm talk, agricultural aid.	2:13	1:13	12:13
WCCO (416.4m-720kc), Farm talk, feed choppers.	2:15	1:15	12:15
WEAO (293.9m-1020kc), Timely economic information for the farmers.	2:30	1:30	12:30
KSAC (340.7m-880kc), Jan. 17, Winter horse feeding; Jan. 24, hogs; live stock; Jan. 31, hog houses, rabbit fever.	3	2	1
WLW (422.3m-710kc), U. S. Radio Farm school.	3:40	2:40	1:40
WOI (270.1m-1110kc), Questions and answers on horticulture.	4	3	2
WSB (428.3m-700kc), Georgia State College farm course.	4:30	3:30	2:30
WLW (422.3m-710kc), Weekly letter to Dad.	4:40	3:40	2:40
WDBO (239.9m-1250kc), Farm flashes.	5	4	3
WGHP (270m-1110kc), U. S. Farm school.	5:40	4:40	3:40
WLS (344.6m-870kc), U. S. farm school.	6	5	4
KSAC (340.7m-880kc), Jan. 17, Kansas agriculture; Jan. 24, market forecasts; Jan. 31, planning production, livestock industry.	6:30	5:30	4:30
KSO (405.2m-740kc), U. S. Farm school.	7	6	5
WSM (282.8m-1060kc), Poultry talks.	7:30	6:30	5:30
KOIL (305.9m-980kc), U. S. Radio Farm school.	8	7	6
WAMD (243.8m-1230kc), U. S. Radio Farm school.	8:20	7:20	6:20
WOS (440.9m-680kc), U. S. Radio Farm school.	8:30	7:30	6:30
WRVA (256m-1170kc), Farmers' chat, Dibble, Cline.	8:40	7:40	6:40
KFJF (260.7m-1150kc), U. S. Agricultural service.	9	8	7
KUOA (299.8m-1000kc), Farm philosophy; Jan. 17, "Making Fences Last," H. T. Barr; "The Farmer's Production Problems," A. Sane Farming Plan for 1927; Jan. 24, "Lespedeza," "Finishing the Fall Pig Crop," "Winter Control of Insects," Jan. 31, State seed laboratory; spring lambs; farm timber.	9:30	8:30	7:30
WCCO (416.4m-720kc), Farm lecture.	10	9	8
WMC (409.7m-600kc), Farm talk.	10:30	9:30	8:30
WOS (440.9m-680kc), Jan. 17, Missouri farmers week.	11	10	9
KFNF (461.3m-650kc), Poultry talk.	11:30	10:30	9:30
WMC (499.7m-600kc), Farm talk.	12	11	10
KOB (348.6m-860kc), Farm program.	12:10	11:10	10:10
WFAA (475.9m-630kc), Sears-Roebuck program.	12:15	11:15	10:15
WMAQ (447.5m-670kc), Prairie Farmer farm talks.	12:20	11:20	10:20
WMAQ (447.5m-670kc), Prairie Farmer farm talks.	12:25	11:25	10:25
WMAQ (447.5m-670kc), Prairie Farmer farm talks.	12:30	11:30	10:30
WMAQ (447.5m-670kc), Prairie Farmer farm talks.	12:35	11:35	10:35
WMAQ (447.5m-670kc), Prairie Farmer farm talks.	12:40	11:40	10:40
WMAQ (447.5m-670kc), Prairie Farmer farm talks.	12:45	11:45	10:45
WMAQ (447.5m-670kc), Prairie Farmer farm talks.	12:50	11:50	10:50
WMAQ (447.5m-670kc), Prairie Farmer farm talks.	12:55	11:55	10:55
WMAQ (447.5m-670kc), Prairie Farmer farm talks.	1:00	11:00	10:00
WMAQ (447.5m-670kc), Prairie Farmer farm talks.	1:05	11:05	10:05
WMAQ (447.5m-670kc), Prairie Farmer farm talks.	1:10	11:10	10:10
WMAQ (447.5m-670kc), Prairie Farmer farm talks.	1:15	11:15	10:15
WMAQ (447.5m-670kc), Prairie Farmer farm talks.	1:20	11:20	10:20
WMAQ (447.5m-670kc), Prairie Farmer farm talks.	1:25	11:25	10:25
WMAQ (447.5m-670kc), Prairie Farmer farm talks.	1:30	11:30	10:30
WMAQ (447.5m-670kc), Prairie Farmer farm talks.	1:35	11:35	10:35
WMAQ (447.5m-670kc), Prairie Farmer farm talks.	1:40	11:40	10:40
WMAQ (447.5m-670kc), Prairie Farmer farm talks.	1:45	11:45	10:45
WMAQ (447.5m-670kc), Prairie Farmer farm talks.	1:50	11:50	10:50
WMAQ (447.5m-670kc), Prairie Farmer farm talks.	1:55	11:55	10:55
WMAQ (447.5m-670kc), Prairie Farmer farm talks.	2:00	12:00	11:00
WMAQ (447.5m-670kc), Prairie Farmer farm talks.	2:05	12:05	11:05
WMAQ (447.5m-670kc), Prairie Farmer farm talks.	2:10	12:10	11:10
WMAQ (447.5m-670kc), Prairie Farmer farm talks.	2:15	12:15	11:15
WMAQ (447.5m-670kc), Prairie Farmer farm talks.	2:20	12:20	11:20
WMAQ (447.5m-670kc), Prairie Farmer farm talks.	2:25	12:25	11:25
WMAQ (447.5m-670kc), Prairie Farmer farm talks.	2:30	12:30	11:30
WMAQ (447.5m-670kc), Prairie Farmer farm talks.	2:35	12:35	11:35
WMAQ (447.5m-670kc), Prairie Farmer farm talks.	2:40	12:40	11:40
WMAQ (447.5m-670kc), Prairie Farmer farm talks.	2:45	12:45	11:45
WMAQ (447.5m-670kc), Prairie Farmer farm talks.	2:50	12:50	11:50
WMAQ (447.5m-670kc), Prairie Farmer farm talks.	2:55	12:55	11:55
WMAQ (447.5m-670kc), Prairie Farmer farm talks.	3:00	1:00	12:00
WMAQ (447.5m-670kc), Prairie Farmer farm talks.	3:05	1:05	12:05
WMAQ (447.5m-670kc), Prairie Farmer farm talks.	3:10	1:10	12:10
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WMAQ (447.5m-670kc), Prairie Farmer farm talks.	3:35	1:35	12:35
WMAQ (447.5m-670kc), Prairie Farmer farm talks.	3:40	1:40	12:40
WMAQ (447.5m-670kc), Prairie Farmer farm talks.	3:45	1:45	12:45
WMAQ (447.5m-670kc), Prairie Farmer farm talks.	3:50	1:50	12:50
WMAQ (447.5m-670kc), Prairie Farmer farm talks.	3:55	1:55	12:55
WMAQ (447.5m-670kc), Prairie Farmer farm talks.	4:00	2:00	1:00
WMAQ (447.5m-670kc), Prairie Farmer farm talks.	4:05	2:05	1:05
WMAQ (447.5m-670kc), Prairie Farmer farm talks.	4:10	2:10	1:10
WMAQ (447.5m-670kc), Prairie Farmer farm talks.	4:15	2:15	1:15
WMAQ (447.5m-670kc), Prairie Farmer farm talks.	4:20	2:20	1:20
WMAQ (447.5m-670kc), Prairie Farmer farm talks.	4:25	2:25	1:25
WMAQ (447.5m-670kc), Prairie Farmer farm talks.	4:30	2:30	1:30
WMAQ (447.5m-670kc), Prairie Farmer farm talks.	4:35	2:35	1:35
WMAQ (447.5m-670kc), Prairie Farmer farm talks.	4:40	2:40	1:40
WMAQ (447.5m-670kc), Prairie Farmer farm talks.	4:45	2:45	1:45
WMAQ (447.5m-670kc), Prairie Farmer farm talks.	4:50	2:50	1:50
WMAQ (447.5m-670kc), Prairie Farmer farm talks.	4:55	2:55	1:55
WMAQ (447.5m-670kc), Prairie Farmer farm talks.	5:00	3:00	2:00
WMAQ (447.5m-670kc), Prairie Farmer farm talks.	5:05	3:05	2:05
WMAQ (447.5m-670kc), Prairie Farmer farm talks.	5:10	3:10	2:10
WMAQ (447.5m-670kc), Prairie Farmer farm talks.	5:15	3:15	2:15
WMAQ (447.5m-670kc), Prairie Farmer farm talks.	5:20	3:20	2:20
WMAQ (447.5m-670kc), Prairie Farmer farm talks.	5:25	3:25	2:25
WMAQ (447.5m-670kc), Prairie Farmer farm talks.	5:30	3:30	2:30
WMAQ (447.5m-670kc), Prairie Farmer farm talks.	5:35	3:35	2:35
WMAQ (447.5m-670kc), Prairie Farmer farm talks.	5:40	3:40	2:40
WMAQ (447.5m-670kc), Prairie Farmer farm talks.	5:45	3:45	2:45
WMAQ (447.5m-670kc), Prairie Farmer farm talks.	5:50	3:50	2:50
WMAQ (447.5m-670kc), Prairie Farmer farm talks.	5:55	3:55	2:55
WMAQ (447.5m-670kc), Prairie Farmer farm talks.	6:00	4:00	3:00
WMAQ (447.5m-670kc), Prairie Farmer farm talks.	6:05	4:05	3:05
WMAQ (447.5m-670kc), Prairie Farmer farm talks.	6:10	4:10	3:10
WMAQ (447.5m-670kc), Prairie Farmer farm talks.	6:15	4:15	3:15
WMAQ (447.5m-670kc), Prairie Farmer farm talks.	6:20	4:20	3:20
WMAQ (447.5m-670kc), Prairie Farmer farm talks.	6:25	4:25	3:25
WMAQ (447.5m-670kc), Prairie Farmer farm talks.	6:30	4:30	3:30
WMAQ (447.5m-670kc), Prairie Farmer farm talks.	6:35	4:35	3:35
WMAQ (44			

Eastern	Central	Mountain	Pacific
6:30 p. m.	5:30	4:30	3:30
WCCO (416.4m-720kc) Minneapolis string quartet.			
7	6	5	4
WBZ (333.1m-900kc) Home Folks' organ music.			
7:30	6:30	5:30	4:30
WBZ (333.1m-900kc) Mendelssohn trio.			
7:35	6:35	5:35	4:35
WLW (422.3m-710kc) "Getting Acquainted with Beethoven."			
8	7	6	5
WBZ (333.1m-900kc) French program direction, Marie A. Comeau.			
WLWL (288.3m-1040kc) Paulist choristers.			
8:45	7:45	6:45	5:45
WCCO (416.4m-720kc) "Leaders in Today's World, Prof. Thomas Williams."			
9	8	7	6
WCBO (344.6m-870kc) Studio ensemble, Celestial Bells.			
WFAA (475.9m-630kc) Little Symphony.			
9:15	8:15	7:15	6:15
WEAF New York, N. Y. (491.5m-610kc), WVEI, WGR, WRC, WWJ, WSAI, WGN, WCCO, KSP, WJAK, WTAG, WCAE, WTAM, WOC, WSM, WGY, WFL, Atwater Kent Radio hour, Maria Kurenko, soprano, Salvatore De Stefano, harpist, Atwater Kent orchestra.			
a. Aria: "Pur Dialect" from Dinorah, Meyerbeer			
b. "Shadow Dance," from Dinorah, Meyerbeer			
c. Air de Venus, Lully			
Madame Kurenko.			
a. Gavotte (Arr by De Stefano) Haendel			
b. Impromptu, Opus 13, Schuecker			
c. "Way Down Upon the Swanee River" Foster			
d. The Fountain, Opus 23, Zabel			
Salvatore De Stefano.			
a. Aria: "Dumka" Farase, from Sorotchinka, Jarome Moussorgsky			
b. "Regrets de Manon" Massenet			
Madame Kurenko.			
Maria Kurenko			
a. Menuet Ancien, Del Aqua			
b. Romance, Hippolitoff-Ivanoff			
c. "Little Boy Blue" Joyce			
d. (Berger) French Bergerettes			
e. Le Printemps, XVIII Century			
Le Printemps, Gounod			
Madame Kurenko, Salvatore De Stefano.			
a. Spanish Dance, K. Zuera			
b. Tarantella, De Stefano			
c. La Danse des Sylphes, Godetroid			
Salvatore De Stefano			
a. Grief, Chopin			
b. Pastorale, Carey			
c. Soldier's Wife, Rachmaninoff			
d. Phyllis Has Such Charming Graces, Anthony Young			
Madame Kurenko.			
II Bacio, L. Arditi			
Madame Kurenko and orchestra.			
9:30	8:30	7:30	6:30
WGBS (315.6m-950kc) Old Time Minstrels.			
10	9	8	7
WSBC (288.3m-1040kc) Hugh Swift and his serenaders.			
10:30	9:30	8:30	7:30
WBAP (475.9m-630kc) Texas hotel orchestra.			



Madame Kurenko.
a. Gavotte (Arr by De Stefano) Haendel
b. Impromptu, Opus 13, Schuecker
c. "Way Down Upon the Swanee River" Foster
d. The Fountain, Opus 23, Zabel

**SUNDAY, JANUARY 23
Church Services**

Eastern	Central	Mountain	Pacific
12 m.	11	10	9
KLDS (440.9m-680kc) Stone church service.			
KTHS (374.8m-800kc) First Methodist church.			
WBAP (475.9m-630kc) First Methodist church.			
1 p. m.	12	11	10
KOA (322.4m-930kc) Montview Presbyterian church.			
1:55	12:55	11:55	10:55
KGW (491.5m-610kc) St. Stephen's cathedral.			

Eastern	Central	Mountain	Pacific
8 p. m.	7	6	5
WFAA (475.9m-630kc) First Church of Christ, Scientist.			
8:30	7:30	6:30	5:30
KPRC (299.8m-1000kc) First Christian church.			
9	8	7	6
WSB (428.3m-700kc) First Methodist church.			
9:45	8:45	7:45	6:45
KOA (322.4m-930kc) Montview Presbyterian church.			
10:30	9:30	8:30	7:30
KGW (491.5m-610kc) Hinson-Memorial Baptist church.			

**SUNDAY, JANUARY 23
Headliners**

Eastern	Central	Mountain	Pacific
3:30 p. m.	2:30	1:30	12:30
WWJ (352.7m-850kc) Detroit symphony.			
6	5	4	3
WSBC (288.3m-1040kc) Ambrose Wyrick.			
WTIC (475.9m-630kc) State theater concert.			
8	7	6	5
PWX (399.8m-750kc) band concert.			
8:30	7:30	6:30	5:30
KOA (322.4m-930kc) Mrs. Blanche Townsend Chase, organist.			
9:30	8:30	7:30	6:30
PWX (399.8m-750kc) orchestra.			
10	9	8	7
CNRW (384.4m-780kc) Sunday evening musicale, Fort Garry hotel.			
KTHS (374.8m-800kc) Music Lovers' hour.			
WSBC (288.3m-1040kc) Muriel Keeneally, soprano.			
10:50	9:50	8:50	7:50
KTHS (374.8m-800kc) Sybil Seaman, organist.			
12 mid.	11	10	9
WFAA (475.9m-630kc) Four Horsemen.			

**SUNDAY, JANUARY 30
Church Services**

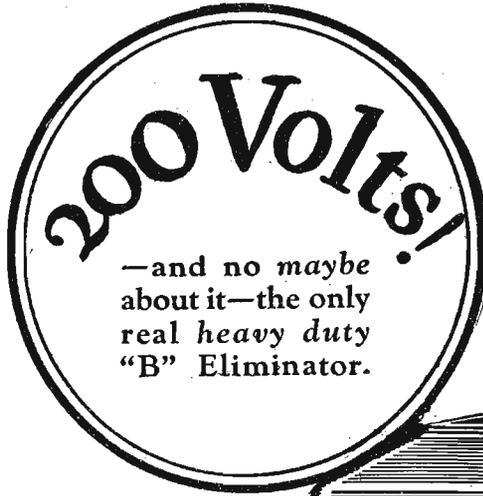
Eastern	Central	Mountain	Pacific
11 a. m.	10	9	8
WHAS (399.8m-750kc) Temple Adath Israel.			
12 n.	11	10	9
WBAP (475.9m-630kc) First Methodist church.			
12:30 p. m.	11:30	10:30	9:30
KOA (322.4m-930kc) Solemn High mass.			
4:30	3:30	2:30	1:30
WHAS (399.8m-750kc) Choral Evensong service, Christ Church Cathedral.			
8	7	6	5
WFAA (475.9m-630kc) Service First Presbyterian church.			
8:30	7:30	6:30	5:30
WFAA (475.9m-630kc) First Presbyterian church.			
9:45	8:45	7:45	6:45
KOA (322.4m-930kc) Service of Immaculate.			

**SUNDAY, JANUARY 30
Headliners**

Eastern	Central	Mountain	Pacific
3:30 p. m.	2:30	1:30	12:30
WWJ (352.7m-850kc) Detroit symphony orchestra.			
5	4	3	2
WTIC (475.9m-630kc) Professor Harry B. Jepson.			
8:30	7:30	6:30	5:30
KFH (267.7m-1120kc) "Martha."			
12 mid.	11	10	9
WFAA (475.9m-630kc) Amphion male quartet.			

**Regular Sunday Features
Eastern Time Stations**

CFCA Toronto, Can. (356.9m-840kc) 11 a. m. services; 7 p. m., St. Paul's Anglican church; 8:45, musical program.
WBBR New York, N. Y. (416.4m-720kc) 10 a. m. music, choral singers; 2 p. m., Watchtower string quartet, vocal, Bible lecture; 8, Watchtower violin choir, vocal selections.
WBZ Springfield, Mass. (333.1m-900kc) 10 a. m. services; 6:30 p. m. organ; 7, quartet; 7:30, program; 8, musical; 9, program.

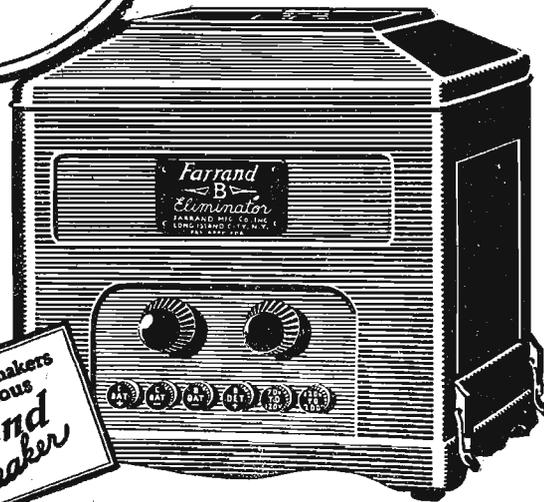


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\$48⁵⁰

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Slightly higher West of Rockies



THE better your set, the more it deserves a Farrand "B" Eliminator. The more powerful your set, the more it demands a Farrand "B" Eliminator. No sacrifice of power, as with other eliminators—even if your set has ten tubes. Not only takes the place of "B" batteries, but gives you the FULL equivalent of their maximum voltage—all the current your set requires—at all times. Trouble-proof. Foolproof. Economical. Nothing to wear out. No acid or water. Go NOW to your dealer and see and hear this marvelous device in action.

Operates on 60 cycle A.C. Provides ample current for sets up to ten tubes, giving following voltage: 15 to 70 volts on detector tube; 60 to 100 volts to radio frequency tubes; 135 to 200 volts on last audio stage—equal to one stage of power amplification. Only one rectifying tube—either UX-213 or CX-313.

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Plug cord from this A-B Relay into Lamp Socket.
Disconnect and wire from A battery and connect it to one binding post on the A-B Relay. Then connect the other post on the Relay to the A battery. This puts the Relay Coil in series with the filament circuit.

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A-B Relay

AUTOMATIC

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When the set is turned on the B-Eliminator is connected to the house supply current and the trickle charger is disconnected, eliminating any hum from that source. Turning the filament switch off disconnects the B-Eliminator and connects the trickle charger again.

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"27 Years Making Good Instruments"

Garrison at WBAL



An intimate little talk to young music students was given recently by Mabel Garrison, operatic and concert star from WBAL. Miss Garrison is well known to listeners through her broadcasting on various Atwater Kent hours.

WBAP Fort Worth, Texas (475.9m-630kc) 11 a. m. First Methodist; 5-6 p. m. vesper services, Baptist seminary; 9:30-11, Sorin-White Texas hotel orchestra.

WBEM Chicago, Ill. (226m-1330kc) 8 p. m. Coon-Sanders Night Hawks; 9-12, frolic; 12, Nutty club; Coon-Sanders orchestra.

WCBD Zion, Ill. (344.6m-870kc), Sunday evening musicale.

WCCO Minneapolis-St. Paul, Minn. (416.4m-720kc) 10:50 a. m. services; 4:10 p. m. House of Hope Presbyterian church; 6:20, Second Church of Christ, Scientist; 8:15, WEAF; 9:15, musical program; Chippewa Indians; 10, St. Paul Municipal organ recital, Hugo Philler Goodwin.

WCFL Chicago, Ill. (491.5m-610kc) 4 p. m. Lutheran church; 7:45, Belden Avenue Baptist church.

WDAF Kansas City, Mo. (365.6m-820kc) 3-4 p. m. Star's orchestra; 4-4:45, vespers.

WEBH Chicago, Ill. (370.2m-810kc) 10:35 a. m. Seventh Church of Christ Scientist; 5-6 p. m. twilight musicale; 7-9, artists' program.

WEMC Berrien Springs, Mich. (315.6m-950kc) 11 a. m. studio sacred services; 8:15 p. m. chapel.

WENR Chicago, Ill. (265.3m-1130kc) 2-4 p. m. classical program; 9:30-10:30, classical program; 10:30-12, Samovar orchestra.

WFAA Dallas, Texas (475.9m-630kc) 6-7 p. m. Bible class; 7:30-8:30, services; 8:30-9:30, artists; 11-12, orchestra.

WGBF Evansville, Ind. (236.1m-1270kc) 7:30 p. m. services.

WGN Chicago, Ill. (302.8m-990kc) 6:45-7 p. m. Blackstone string quintet, solo artists; 7, The Million Sing; 7:20, Old Fashioned Almanack; 7:30, Drake concert ensemble; Correll and Gosden; 8, Auld Sandy; 8:15, WEAF; 9:15, Our Music Room; 10, Sam n' Henry; 10:10, Armand Buisseret, violinist; 10:20, Bible reading; 10:25, piano.

WHAD Milwaukee, Wis. (275.1m-1090kc) 3:15 p. m. Turnverein concert.

WHAS Louisville, Ky. (399.8m-750kc) 10 a. m. services; 4:30-5:30 p. m. choral evensong.

WHB Kansas City, Mo. (365.6m-820kc) 9:40 a. m. Linwood Blvd. Christian church; 11:10-12:30, Inde-

pendence Blvd. Christian church; 7-7:45, Dr. Burreis A. Jenkins; 8-9, Westport Methodist church; 11:15-11, Morrill Moore, organist; Don Anchors, poet.

WHO Des Moines, Iowa (526m-570kc) 11 a. m. service; 5-6 p. m. Bankers Life Little symphony; 7:30-8:15, orchestra; 11-12, musical program.

WHT Chicago, Ill. (399.8m-750kc) 1-12 midnight, Paul Rader.

WJAZ Chicago, Ill. (329.5m-910kc) 4:30-9 p. m. Sunday evening concert.

WJDD Mooseheart, Ill. (370.2m-810kc) 7:45-8:45 a. m. Catholic services; 9:30-10:30, Protestant services; 1-2 p. m. Howard Peterson, organist; 2-2:30, Bible class; 2:30, Sacred song service; 3-4, popular concert; 4-5, Palmer House Sunday symphony orchestra.

WLIB Chicago, Ill. (302.8m-990kc) 5-6:15 p. m. Herbert Johnson, pianist; Leon Lichtenfeld, cellist; Tommy Coates, haritone; Blackstone string quintet.

WLS Chicago, Ill. (344.6m-870kc) 10:45 a. m. University of Chicago service; 12:15, Elsie Mae Look, organist; 1-1:30, trio; 1:30-2:30, chapel service; 6-8, WLS Little Brown church.

WMBB Chicago, Ill. (249.9m-1200kc) 3-6 p. m. Sunday afternoon concert; 7:40, Fifth Church of Christ, Scientist; 9-11, Trianon orchestra, artists.

WMC Memphis, Tenn. (499.7m-600kc) 11 a. m. church service.

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

WOQ Kansas City, Mo. (278m-1080kc) 11 a. m. Unity service; 7 p. m. evening service; 7:45, Grand Avenue Methodist church.

WORD Chicago, Ill. (275.1m-1090kc) 10 a. m. I. B. S. A. service; 2:30 p. m. Chicago Rapid Transit company program; 3:30, Bible lecture; 7, Webster hotel duo orchestra; 9, I. B. S. A. choral singers.

WOW Omaha, Nebr. (526m-570kc) 9 a. m. Omaha Gospel tabernacle; 1:30 p. m. Father Flanagan's Boys' home period; 6, Bible study; 9, chapel service.

WQJ Chicago, Ill. (447.5m-670kc) 10:45 a. m.-12:45 p. m. People's church; 3-4, musical program; 8-10, popular program; Rainbo Gardens orchestra; Jack Klein, Adelaide Kerkoff, Harry Geise.

WRR Dallas, Tex (245.8m-1220kc) 11 a. m. service; 8 p. m. service; 9:30, program.

WSB Atlanta, Ga. (428.3m-700kc) 5 p. m. sacred concert; 8, services.

WSBC Chicago, Ill. (288.3m-1040kc) 5-7 p. m. Sunday concert; 9-1, concert.

WSM Nashville, Tenn. (282.8m-1060kc) 10:30 a. m. service.

Mountain Time Stations

KOA Denver, Colo. (322.4m-930kc) 10:30 a. m. church service; 3 p. m. afternoon musicale; 6:30, organ; 7:45, church service.

Pacific Time Stations

KFI Los Angeles, Calif. (467m-642kc) 7-8 p. m. Jack Smith's dance orchestra; 8-9, Aeolian organ recital; 9-10, Bob Bottger's Venetians; 10-11, Packard Six dance orchestra.

KFVB Hollywood, Calif. (252m-1090kc) 9-11 p. m. Warner Brothers Sunday night movie frolic.

KGO Oakland, Calif. (361.2m-830kc) 11 a. m. service; 2:40 p. m. symphony; 6:30-7:30, little symphony; 7:35, service; 9-10, symphony.

KGW Portland, Ore. (491.5m-610kc) 11 a. m. church; 7:30-9 p. m. church; 9-10, symphony orchestra.

KHJ Los Angeles, Calif. (405.2m-740kc) 7-8 p. m. service, First M. E. church; 8-10, Request program by Orpheus Four male quartet and Frederick MacMurray, viola soloist.

KMTR Hollywood, Calif. (370.2m-810kc) 6:30-7 p. m. Leila Castberg's half hour; 7-8, Cafe Lafayette string quartet; 8-9:30, orchestra.

KNX Hollywood, Calif. (336.9m-890kc) 6:30 p. m. service; 8, orchestra; 9, feature.

KPO San Francisco, Calif. (428.3m-700kc) 6 p. m. States Restaurant orchestra; 6:35, Palace hotel concert orchestra; 8:35-10, Rudy Seiger's Fairmont hotel concert orchestra; 10-12, Trianon orchestra.

KPSN Pasadena, Calif. (315.6m-950kc) 10:30 a. m. Family Altar service, United Brotherhood.

WCAE Pittsburgh, Pa. (461.3m-650kc) 6:30 p. m. orchestra; 7:15, WEAF; 9:15, WEAF; 10:15, trio.

WCAU Philadelphia, Pa. (277.6m-1080kc) 11 a. m. services, First Unitarian church; 5, recital; 5:15, Undenominational church services; 5:25, sermon, Rev. John W. Stockwell; 6:45, orchestra; 7:45, Cathay Garden orchestra; 8:30, Bonwit Teller Ensemble; 10, A. Zernsmy's orchestra.

WCX Detroit, Mich. (516.9m-580kc) 7:15 p. m. Central Methodist Episcopal church.

WDBO Winter Park, Fla. (239.9m-1250kc) 11 a. m. church; 7:30, service.

WEAF New York, N. Y. (491.5m-610kc) 6 p. m. program; 7:20, musical program from the Capitol theater, WEEL KSD, WRC, WWJ, WJAR, WCAE, WTAG; 9:15, Atwater-Kent Radio hour, WEEL, WGR, WRC, WWJ, WSAI, WGN, WCCO, KSD, WJAR, WTAG, WCAE, WTAM, WOC, WFI; 10:15, musicale.

WEEL Boston, Mass. (348.6m-860kc) 10:50 a. m. Old South church; 2 p. m., program; 4, WEAF; 7:20, WEAF; 9:15, WEAF; 10:15, B. F. Keith's theater.

WGBS New York, N. Y. (315.6m-950kc) 9:30 p. m. Old Time minstrels.

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

WGY Schenectady, N. Y. (379.5m-790kc) 11 a. m. service; 3 p. m. musicale; 5, organ; 9, WJZ; 9:15, Atwater Kent Hour.

WHK Cleveland, Ohio (272.6m-1100kc) 10 a. m. Bible association; 5 p. m. twilight musicale; 6, dinner program; 7:30, lecture; 8:45, program.

WHN New York, N. Y. (361.2m-830kc) 6:30 p. m. Libby's Hotel orchestra; 10, orchestra; 11, orchestra; 12, The Playground.

WICC Bridgeport, Conn. (285.5m-1050kc) 10:50 a. m. service; 2 p. m. Sunday afternoon concert; 7, Forum.

WIP Philadelphia, Pa (508.2m-590kc) 7:15 p. m. evening service; 10, symphony.

WJAX Jacksonville, Fla. (336.9m-890kc) 11 a. m. service; 8-9, services.

WJR Detroit, Mich. (516.9m-580kc) 10 a. m. First Baptist church; 10 p. m. special song service, First Baptist church.

WJZ New York, N. Y. (454.3m-660kc). Note: WJZ programs will be announced, following only tentative lineup. 11 a. m. and 7 p. m., Park Avenue Baptist Church Carillon; 7:20, Hotel Ambassador trio; 8, musicale, WJZ; 9, Hotel Commodore concert orchestra, WJZ, WGY; Godfrey Ludlow, violinist.

WKRC Cincinnati, Ohio (325.9m-920kc) 6:45 p. m. Walnut Hills Christian church; 10, classical program; 11:15, Louisville Loons; 12, Marie Turner; 12:15, Louisville Loons.

WLW Cincinnati, Ohio (422.3m-710kc) 11 a. m. Seventh Presbyterian church; 3 p. m. organ; 7:30, Presbyterian church; 8:30, Beethoven program; 8:50, Crosley concert orchestra.

WLWL New York, N. Y. (288.3m-1040kc) 8:15 p. m. Paulist choristers.

WMAK Buffalo, N. Y. (265.5m-1130kc) 10:25 a. m. service; 3 p. m., WFBL; 7:50, First Church of Christ, Scientist.

WMCA New York, N. Y. (340.7m-880kc) 6 p. m. Romer's Homers; 7, Ernie Golden and his Hotel McAlpin orchestra; 9, Moment musicale; 10, Monte Carlo orchestra.

WOO Philadelphia Pa. (508.2m-590kc) 10:30 service; 2:30 p. m. Sunday School musical exercises; 6, organ recital, Clarence K. Bawden; 7:30, service.

WOR Newark, N. J. (405.2m-740kc) 6 p. m. ensemble; 7:45, concert.

WPG Atlantic City, N. J. (299.8m-1000kc) 3:15 p. m. organ recital, Arthur Brook; 4:15, community vocal and instrumental recital; 5:30, concert; 9, news; 9:15, concert orchestra; 10, Sunday evening concert.

WRC Washington, D. C. (468.5m-640kc) 11 a. m. service; 4 p. m. chapel; 6:45, vespers; 7:20, WEAF; 9:15, WEAF.

WSAI Cincinnati, Ohio (325.9m-920kc) 11 a. m. Presbyterian church; 3:45 p. m. chimes; 4-5:30, WEAF; 8, sermonette; 9:15-10:15, WEAF.

WSKC Bay City, Mich. (260.7m-1150kc) 11-12 noon services.

WTAG Worcester, Mass. (545.1m-550kc) 7:20 p. m. WEAF; 9:15, WEAF.

WTAM Cleveland, Ohio (389.4m-770kc) 10:45 a. m. service; 3 p. m. musicale; 6, Hollenden hotel orchestra; 7, Stillman theater orchestra; 8, services; 9:15, WEAF; 10:15, Austin Wylie's Vocalion Recording orchestra.

WTIC Hartford, Conn. (475.9m-630kc) 6 p. m. State theater concert.

WWJ Detroit, Mich. (352.7m-820kc) 10:30 a. m. service; 3:30 p. m. orchestra; 7:20, WEAF; 9:15, WEAF.

Central Time Stations

CKY Winnipeg, Can. (394.4m-780kc) 11 a. m. Wesley church; 7-8:30 p. m. First English Lutheran church; 9-10, Royal Alexanthe hotel.

KFAB Lincoln, Neb. (340.7m-880kc) 9-10:30 p. m. Sunday evening musicale.

KFH Wichita, Kan. (268m-1120kc) 7 p. m. church service.

KFNF Shenandoah, Iowa (461.3m-650kc) 10:45 a. m. services; 2:30 p. m. Seed House song service; 3, program; 6:30, Golden Rule Circle; 7:30, services.

KLS Independence, Mo. (440.9m-680kc) 8:30 a. m. Bible study; 11, Stone church; 3 p. m. Radio church; 6:30, vespers; 9:15, studio service.

KMA Shenandoah, Iowa (461.3m-650kc) 4-5 p. m. sacred program; 7:30-8:30, service.

KMOX St. Louis, Mo. (280.2m-1070kc) 9 p. m. Sunday night club; 10:30-12, ballroom.

KOIL Council Bluffs, Iowa (305.9m-980kc) 11 a. m. First Congregational church; 7, children's hour; 7:30, program; 11, Paramount orchestra.

KPRC Houston, Texas (299.8m-1000kc) 7:30 p. m. church service; 9:30, evening concert; 11, Texan theater pipe organ.

KSO Clarinda, Iowa (405.2m-740kc) 11 a. m. M. E. church.

KTHS Hot Springs National Park, Ark. (374.8m-800kc) 11 a. m.-12:15 p. m., service; 9-9:45, Meyer Davis ensemble, classic hour concert; 9:45-10:30, Lawson Reid, organist; 10:30-11:30, Arkansas Traveler Radio Train.

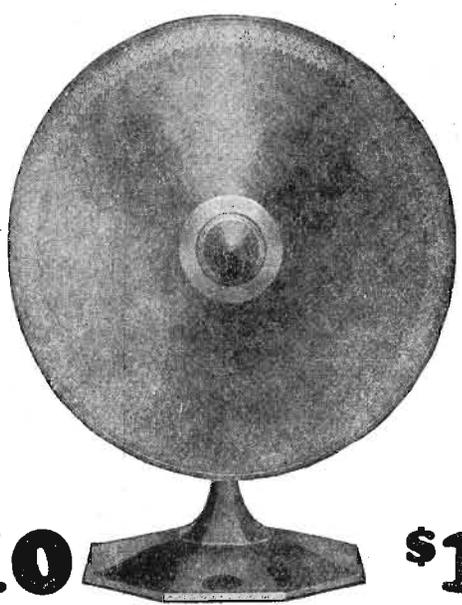
KVGO Bristow, Okla. (374.8m-800kc) 1-2 p. m. Walter Schoggan, Doris Kintner; 5-6, Gospel hour; 6-7, Sophia Osina, pianist; 7-9, services; 12-1, Melody Boys.

KYW Chicago, Ill. (535.4m-560kc) 11 a. m. Central church service; 4:30 p. m. Edwin Harper; 7-8:30, Sunday evening club; 9:30-11, classical concert.

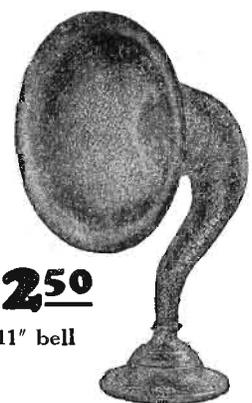
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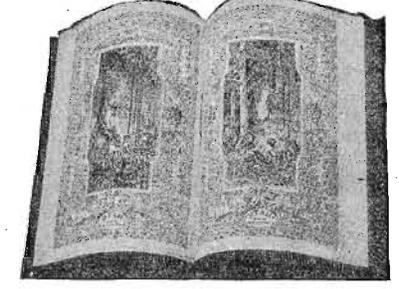
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KOIL Council Bluffs, Iowa (305.9m-880kc) 7:03 p. m. Hotel Lassen program, Don Hill and his ukulele; 7:30, music; 8, program; 9, play; 10, Crosley hour; 11, program.

KPRC Houston, Texas (289.8m-1000kc) 7:30 p. m. Houstonians; 8:30, concert; 9, studio concert.

KSO Clarinda, Iowa (405.2m-740kc) 6:30 p. m. old-time music.

KTHS Hot Springs National Park, Ark. (374.8m-800kc) 9:11:20 p. m. music.

KVOO Bristow, Okla. (374.8m-800kc) 6-7 p. m. Warner trio; 7-8, quartette; 8-9, Luckey's orchestra; 12, Earl Thurston, organist.

WBAP Fort Worth, Texas (475.9c-630kc) 7:30-8:30 p. m. Classical concert; 9:30-11, old time music; 11-12, midnight music.

WCCO Minneapolis-St. Paul, Minn. (416.4m-720kc) 6:15 p. m. St. Paul hotel orchestra; 8, U. of Minn.; 9, Vagabonds; 10:10, dance program; 11:30, organ.

WCOA Pensacola, Fla. (252m-1190kc) 6:30 p. m. WCOA happiness period.

WEMC Berrien Springs, Mich. (315.6m-950kc) 8:15 p. m. Lighthouse Music Makers.

WFAA Dallas, Texas (475.9m-630kc) 6:30-7:30 orchestra; 8:30-9:30, Sears-Roebuck Agricultural Foundation program.

WGBF Evansville, Ind. (236m-1270kc) 7 p. m. radio-graph; 7:20, children's program; 7:40, Gospel trio; 8, studio program; 9, orchestra.

WHAD Milwaukee, Wis. (275.1m-1090kc) 6-7 p. m. dance selections; 7, news; 10-11:30, dance music.

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

WHO Des Moines, Iowa (526m-570kc) 7:30-8 p. m. music; 8-9, dance orchestra; 11-12, dance program.

WLS Chicago, Ill. (344.8m-870kc) 5:40 p. m. Al Meigs, organist; 6, supperbell program; 6:40, Maurice Sherman's College Inn orchestra.

WMC Memphis, Tenn. (499.7m-600kc) 8:30 p. m. Melody Makers; 9:30, Movie club.

WQQ Kansas City, Mo. (275m-1080kc) 6:15 p. m. Unity Inn orchestra.

WOS Jefferson City, Mo. (440.9m-680kc) 7:30 p. m. program.

WOW Omaha, Nebr. (526m-570kc) 6 p. m. Joe Bauer and his Highway Gardens orchestra; 6:50, classical; 9, Nash-Finch orchestra.

WRR Dallas, Tex. (245.8m-1220kc) 6 p. m. music; 8, band; 9:30, frolic.

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

WSMB New Orleans, La. (319m-940kc) 8:30 p. m. dance night; 11:30, Radio varieties.

WSOE Milwaukee, Wis. (245.8m-1220kc) 7 p. m. program; 8, Whozit.

Mountain Time Stations

KOA Denver, Colo. (322.4m-930kc) 8 p. m. Scheuerman's Colorado orchestra; 8:15, studio program.

KOB State College, N. M. (348.6m-860kc) 7:30 p. m. State College orchestra.

Pacific Time Stations

KFI Los Angeles, Calif. (467m-642kc) 7-8 p. m. Owen Fallon's Californians; 8-9, popular program; 9-10, program, Walter M. Murphy Motors Co.; KPO; 10-11, program by Meiklejohn Brothers.

KFWB Hollywood, Calif. (252m-1190kc) 6-7 p. m. Pontiac dinner hour; 7:50, news; 8-9, program; 9-10, program; 10-11, Warner Brothers frolic.

KGO Oakland, Calif. (361.2m-830kc) 6-6:55 p. m. Stanislas Bern's Little symphony.

KGW Portland, Ore. (491.5m-610kc) 7:45-8 p. m. talk; 8-9, vaudeville; 9-10, orchestra, 10-12, dance music.

KJR Seattle, Wash. (384.4m-780kc) 6:30 p. m. dinner hour; 8-8:30, program; 8:30-10 program.

KLX Oakland, Calif. (508.2m-590kc) 8-9 p. m. Studio program, Figgly Wiggly company; 9-10, Lake Merritt Ducks.

KMTR Hollywood, Calif. (370.2m-810kc) 8-10, program; 10-12, Palais de Danse.

KNX Hollywood, Calif. (336.9m-890kc) 7:30 p. m. playlet; 8, program; 9, feature; 10, Alexandria hotel orchestra; 11, frolic.

KPO San Francisco, Calif. (428.3m-700kc) 6:30-7 p. m. States Restaurant orchestra; 7-7:30, Ridy Seiger's Fairmont hotel concert orchestra; 8-9, music; 9-10, studio program; 10-11, Mandarin cafe orchestra; 11-12, variety hour.

KWSC Pullman, Wash. (348.6m-860kc) 7:30 p. m. students concert.

Monday, silent night for: CFCA, CKAC, KFDM, KFDY, KGO, KHJ, KLDS, KPSN, KYW, PWX, WBBM, WCBW, WCFL, WEBB, WEBJ, WENR, WFL, WGBF, WGBS, WGES, WGN, WGY, WHAS, WHT, WIBO, WIP, WJAZ, WJJD, WLIB, WLS, WMAQ, WMBB, WOAI, WOC, WOK, WORD, WQJ, WSAI, WSWs.

TUESDAY, JANUARY 18 Headliners

Eastern	Central	Mountain	Pacific
12 m.	11	10	9
WQJ (447.5m-670kc) D. F. Abel, "What Is Hypnotism."	5:50	4:50	3:50
WEAF (491.5m-610kc), Ray Porter Miller, coloratura soprano.	6	5	4
WEAF (491.5m-610kc), James E. Phillips.	6:30	5:30	4:30
WFAA (475.9m-630kc) Joe Strother, pianist.	7	6	5
WLW (422.3m-710kc) American composer.	7:30	6:30	5:30
KSO (405.2m-740kc) Mrs. Pauline Peterson.	8	7	6
KSO (405.2m-740kc) Howard Boyden and bunch.	8:15	7:15	6:15
WBAL (245.8m-1220kc) Edward Jendrek, tenor.	8:30	7:30	6:30
WRNY (374m-802kc) "Backstage at the Opera."	8:45	7:45	6:45
WTIC (475.9m-630kc) Alice Chester, violinist.	9	8	7
WSBC (288.3m-1040kc) Sanger travelogue.	9:15	8:15	7:15
WTIC (475.9m-630kc) University glee club.	9:30	8:30	7:30
KNRA (322.4m-930kc) Sunny Brae Rink band.	9:45	8:45	7:45
WOS (440.9m-680kc) Missouri state farmers week.	10	9	8
WCBW (344.6m-870kc) Mandolin and guitar club, organ.	10:15	9:15	8:15
WHB (365.6m-820kc) Glee club.	10:30	9:30	8:30
WHN (361.2m-830kc) Prince Piotti.	10:45	9:45	8:45
WBBM (226m-1330kc) Modern Masters of Music.	11	10	9
WHO (526m-570kc) Prof. Paul Stoye, pianist.	11:15	10:15	9:15
KPRC (299.8m-1000kc) George Parker, whistler.	11:30	10:30	9:30

Eastern	Central	Mountain	Pacific
10:15 p. m.	9:15	8:15	7:15
CNRR (312.3m-960kc) Verne's Revellers.	9:30	8:30	7:30
CNRV (291m-1030kc) Children's CNRV Radio train.	10	9	8
KFI (467m-642kc) Gattone string quartet.	10:15	9:15	8:15
CNRV (291m-1030kc) Feature, Strand theatre.	10:30	9:30	8:30
WMCA (340.7m-880kc) McAlpin entertainers.	10:45	9:45	8:45

TUESDAY, JANUARY 25 Headliners

Eastern	Central	Mountain	Pacific
7 p. m.	6	5	4
WEAF (491.5m-610kc) Irene Peckham, pianist.	6:30	5:30	4:30
WFAA (475.9m-630kc) Southern Methodist University School of Music.	6:45	5:45	4:45
WRNY (374m-802kc) "Sampling in a Pastry Cook's Pantry."	7	6	5
CNRA (322.4m-930kc) Mount Allison ladies' college.	7:15	6:15	5:15
CNRR (312.3m-960kc) Verne's Revellers.	7:30	6:30	5:30
WSBC (288.3m-1040kc) "Touring Ireland."	7:45	6:45	5:45
WTIC (475.9m-630kc) The Travelers symphonic ensemble.	8	7	6
KPRC (299.8m-1000kc) "Sweetheart of the Air."	8:30	7:30	6:30
WHB (365.6m-820kc) West Brothers Hawaiian team.	8:45	7:45	6:45
WHB (365.6m-820kc) Scottish program.	9	8	7
WMAQ (447.5m-670kc) University of Chicago.	9:15	8:15	7:15
KFI (467m-642kc) Azure music club.	9:30	8:30	7:30

Educational Features Tuesday

Eastern	Central	Mountain	Pacific
6 p. m.	5	4	3
WGV (302.8) Spanish lesson.	5:30	4:30	3:30
WNYC (526m-570kc) Elementary Italian lessons.	6	5	4
WNYC (526m-570kc) School of the Air.	6:15	5:15	4:15
WNYC (526m-570kc) Advanced Italian lessons.	6:30	5:30	4:30
WTIC (475.9m-630kc) Trinity college course.	6:45	5:45	4:45
WEAF (491.5m-610kc) Columbia university.	7	6	5

Eastern	Central	Mountain	Pacific
7:30 p. m.	6:30	5:30	4:30
KSAC (340.7m-880kc) College of the Air. Sociology.	6:45	5:45	4:45
WEEL (348.6m-860kc) Jan. 18, representative of Simmons college; Jan. 25, A. O. Morse, U. of N. H.	6:55	5:55	4:55
KDKA (309.1m-970kc) U. of Pittsburgh.	7:05	6:05	5:05
WEAO (293.9m-1020kc), travel talks.	7:15	6:15	5:15
WOS (440.9m-680kc) "The New Generation—Its Demands," Mr. Paulsen.	7:25	6:25	5:25
WMAQ (447.5m-670kc) University of Chicago.	7:35	6:35	5:35
WJZ (454.3m-660kc) WGY (379.5m-790kc) Cook's tours.	7:45	6:45	5:45
KFMX (336.9m-890kc) Jan. 18, National Defenses against Bacteria; Jan. 25, Toxins and Antitoxins.	7:55	6:55	5:55

Regular Tuesday Features Eastern Time Stations

CKAC Montreal, Que., Can. (410.7m-730kc) 7:15 p. m. dinner concert; 8:15, hop; 9:30, bridge; 10:30, dance program.

KDKA Pittsburgh, Pa. (309.1m-970kc) 8 p. m. sacred song concert; 8:45, gems from American literature; 9, music; 11:35, Grand theater.

PWX Havana, Cuba (399.8m-750kc) 8:30-11:30 p. m. program.

WBAL Baltimore, Md. (246m-1220kc) 6:30-7:30 p. m. dinner orchestra; 7:30-8, quartet; 8-9, trio; 9-9:30, Jubilee singers; 9:30-10, violin and piano recital; Michael Weiner, violinist; LeRoy Evans, pianist; 10-11, Municipal band of Baltimore; 11-12, dance orchestra.

WBBR New York, N. Y. (416.4m-720kc) 8 p. m. program.

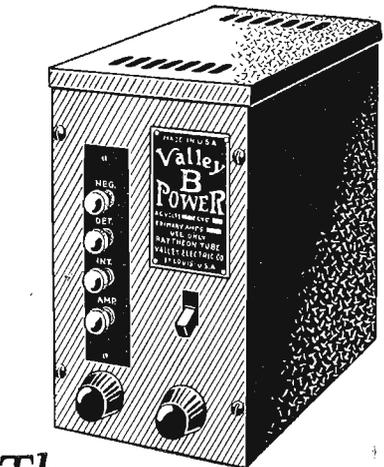
WBZ Springfield, Mass. (333.1m-900kc) 7 p. m. organ; 7:30, features; 10:20, orchestra.

WCAE Pittsburgh, Pa. (461.3m-650kc) 6 p. m. dinner concert; 7:45, talks; 8, WEAF; 8:30, feature; 9, WEAF; 10, bridge; 10:30-1, orchestras.

WCAU Philadelphia, Pa. (277.6m-1080kc) 7:30 p. m. Spellenburg instrumental trio; 8:15, Gurnee Buttermaker; 8:30, recital; 9, Montbard Folies; 9:30, Robert Fraser, blind gospel singer; 10, Prof. Doolittle; 10:05, Chapman Elgart Syncopators; 10:15, tenor; 10:30, Cathy dance orchestra.

WCX Detroit, Mich. (516.9m-580kc) 6-7 p. m. dinner program, Goldkette ensemble; 10, Red Apple club.

WDBO Winter Park, Fla. (239.9m-1250kc) 8, program.



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Super Parts

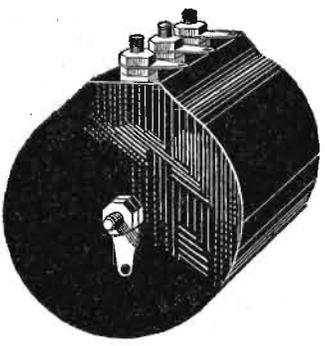


PAT. PEND.
The St. James
INTERMEDIATE TRANSFORMER

Chosen for the 1927 DeLuxe Super because they represent the greatest advances in units of this type now made. An outstanding point of superiority is that no coils larger than one inch in diameter are used. These offer very small external fields to cause troublesome coupling effects and are more immune to static, local power noises and nearby transmitting stations.

In the new Two-Forty model:

- (1) Resistance factor in windings has been decreased, permitting greater stability and higher amplification per stage.
- (2) Filter stage, with its filter condenser, has been eliminated so that no complicated adjustments are necessary.
- (3) Greater efficiency has been built into the windings and the elements are more ruggedly mounted.
- (4) Two hundred and forty kilocycle operation, which means less oscillator repeats and these occurring so they are not troublesome in tuning.
- (5) A completely coordinated functioning from the loop to the speaker.



The St. James
OSCILLATOR

If Your Dealer Cannot Supply You We Will Ship Prepaid

If your local dealer cannot supply you immediately, we will ship prepaid, 4 St. James transformers, 1 St. James oscillator, and 1 St. James choke coil on receipt of \$36.50. Around these parts you can build the finest receiver known to the Radio art at this time.

The St. James Laboratories, Inc.
845 Washington Blvd.
CHICAGO

WEAF New York, N. Y. (491.5m-610kc) 6 p. m. dinner music; 7:30, talk, Columbia University; 7:30, Great Moments in History; 8: The Vikings; WEEL, WFI, WCAE, WWJ, WGR, WTAM, WSAI, WJAR, WTAG, WOC, WCCO, WCHS, KSD; 8:30, Jolly Buckeye Bakers, WEAF, WTAG, WFI, WTAM, WWJ, WSAI, KSD, WLBB, WCCO; 9, Eveready hour, WEAF, WEEL, WFI, WTAG, WJAR, WGR, WCAE, WTAM, WWJ, WSAI, WGN, WOC, WCCO, KSD, WRC; 10, auction bridge instruction, WEAF, WEEL, WCHS, WTAG, WJAR, WGR, WCAE, WTAM, WFI, WWJ, WSAI, WGN, WOC, WCCO, KSD; 10:30, orchestra, WFI, WWJ, WCAE, WGR, WTAM, WCHS; 11:30, orchestra.

WEO Columbus, Ohio (293.9m-1020kc) 7:45 p. m. musicale.

WEEL Boston, Mass. (348.6m-860kc) 7:30 p. m. intercollegiate broadcast; 7:45, musicale; 8-8:30, WEAF; 8:30, musicale; 9-10:30, WEAF.

WFI Philadelphia, Pa. (394.5m-760kc) 6:45, Adolphia dance orchestra; 8, WEAF; 8:30, WEAF; 9, WEAF; 10, Moment; 10:30, orchestra.

WGNS New York, N. Y. (315.6m-850kc) 7:20 p. m. Arrowhead Inn concert orchestra; 8:10, talk; 8:30, musicale; 10:30, Arrowhead Inn dance orchestra.

WGHB Clearwater, Fla. (265.3m-1130kc) 7 p. m. dinner music; 8:30, musicale; 10:30-12, dance program.

WGHP Detroit, Mich. (270.1m-1110kc) 6-8 p. m. dinner concert; 8-8:30, campers' hour; 8:30-9:30, band; 9:30-10, minstrel.

WGY Schenectady, N. Y. (379.5m-790kc) 6:30 p. m. dinner program, Ten Eyck hotel; 7:45, artist; 8, WJZ; 9, musicale; 10, WJZ; 10:30-11:30, WMAK.

WHK Cleveland, Ohio (272.6m-1100kc) 6-7:30 p. m. Hotel Statler orchestra; 7:30-8, program; 9-11, orchestra.

WHN New York, N. Y. (361.2m-830kc) 7 p. m. Ice-land orchestra; 7:30, music; 8, ensemble; 8:30, entertainers; 9, Prince Piotti; 9:30, orchestra; 11, Frivolity club; 11:30, Playground.

WICC Bridgeport, Conn. (232.4m-1290kc) 7:15 p. m. program.

WIP Philadelphia, Pa. (508.2m-590kc) 6-10 p. m. dinner music; 7, Uncle Wip; 8, dramatic reviews; 8:25, science talk; 8:30-10:05, evening program; 10:05, Emo's weekly broadcast; 10:30, orchestra.

WJAX Jacksonville, Fla. (386.9m-890kc) 7-7:30 p. m. dinner music; 7:30-9, popular program; 10-11, Casa de Baile.

WJR Detroit, Mich. (516.9m-580kc) 7 p. m. Jean Goldkette's Petite symphony orchestra; soloists; 8, Board of Commerce; M. Clemens, Mich; 8:30, Manuel Cigar girls; 9, program.

WJZ New York, N. Y. (454.3m-660kc) 7 p. m. Frank Dole; 7:15, Hotel Commodore concert orchestra; 8, Champion Spark Plug hour; WGY, WRC; 9, E. A. White; 10, Cook's tour; WAC, WGY; 10:45, George Olsen; Pennsylvania; Grill orchestra.

WKRC Cincinnati, Ohio (422.3m-710kc) 8 p. m. book review; 8:15, dance music; 9, program; 12, popular program.

WLW Cincinnati, Ohio (422.3m-710kc) 7:30 p. m. music; 8, Castle Farm dance music; 8:30, Gay Nineties; 9, Formica orchestra.

WLWL New York, N. Y. (288.3m-1040kc) 9 p. m. music.

WMAK Buffalo, N. Y. (265.5m-1130kc) 6:15 p. m. dinner music; 7:30 evening program; 10:30, musicale, WGY, WHAM, WFBF; 12, Harold Rumsey, organist; 12, organ.

WMCA New York, N. Y. (340.7m-880kc) 7-11 p. m. club; 12, entertainers.

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

WOR Newark, N. J. (405.2m-740kc) 6:15 p. m. Bill Wathey in sports; 6:30, Hotel Bretton Hall string

quartet; 8:30, organ; 11, Wadsworth's Carlton Terrace orchestra.

WPG Atlantic City, N. J. (299.8m-1000kc) 7:15 p. m. organ recital, Arthur Brook; 7:30, Hotel Morton dinner music; 8:05, Hotel Shelburne dinner music; 8:30, concert; 9, Dual concert trio; 10, bridge; 10:30, studio program; 11, dance orchestra; 11:30, orchestra.

WRC Washington, D. C. (468.5m-640kc) 7 p. m. Raleigh hotel orchestra; 8:30, WEAF; 9, WEAF; 10, WEAF; 10:30-11:30, Meyer Davis' Swanee Synchopators.

WSAI Cincinnati, Ohio (325.9m-920kc) 6 p. m. quartet; 7, quartet; 8, WEAF; 9-12, WEAF; 12, dance orchestra.

WSOE Milwaukee, Wis. (245.8m-1220kc) 8 p. m. talk; 8:15, popular program; 9, Whozit.

WTAG Worcester, Mass. (545.1m-550kc) 8-10:30 p. m. WEAF.

WTAM Cleveland, Ohio (389.4m-770kc) 6:15 p. m. vaudeville; 8-11, WEAF; 11, Jade Room orchestra.

WTIC Hartford, Conn. (473.6m-630kc) 6 p. m. Hotel Heublin trio; 7, evening program; 10, orchestra.

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

Central Time Stations

KFAB Lincoln, Nebr. (340.7m-880kc) 5:30-6:30 p. m. musicale; 8:05-10:30, University of Nebraska.

KDM Boamont, Texas (315.6m-950kc) orchestra.

KFNB Shenandoah, Ia. (461.3m-650kc) 7 p. m. program.

KLDS, Independence, Mo. (440.9m-680kc) 8 p. m. studio program.

KMA Shenandoah, Ia. (461.3m-650kc) 9-11 p. m. May's Mandolin Musicians.

KMC St. Louis, Mo. (280.2m-1070kc) 5 p. m. dinner music; 7, program; 8, quartet; 9, soloist; 9:30, soloists; 10:15, orchestra; 12-1, frolic.

KOIL Council Bluffs, Iowa (305.9m-980kc) 6 p. m. Warner Brothers' program; 7, studio program; 7:30, program; 8, program; 11, spark plug.

KPRC Houston, Tex. (299.8m-1000kc) 7:30 p. m. concert; 9, bridge; 9:30, concert.

KTHS Hot Spring National Park, Ark. (374.8m-800kc) 9-11 p. m. musicale.

KVOO Bristow, Okla. (374.8m-800kc) 7-8 p. m. KVOO orchestra; 8-8:30, mixed quartet; 8:30-9, Dinah; 12, Rough and Ready.

KYW Chicago, Ill. (535.4m-560kc) 6:30 p. m. Joska DeBary and his orchestra; Johnny Hamy and his orchestra; 7, Family hour; 8, American Farm Bureau federation; 9-10:30, classical concert; 10:30-12, carnival.

WBAP Fort Worth, Tex. (475.9m-630kc) 7:30-8:30 p. m. musicale; 9:30-11, musicale.

WBBM Chicago, Ill. (226m-1330kc) 8 p. m. Coon-Sanders Night Hawks; 9-11, staff artists, orchestra; 11, Supper club.

WCCB Zion, Ill. (344.6m-870kc) 8 p. m. classical program.

WCCO Minneapolis-St. Paul, Minn. (416.4m-720kc) 7-9:30 p. m. WEAF; 9:30, musical comedy, Garrett's Chocolate Soldiers; 10:05, Izaak Walton League.

WCFL Chicago, Ill. (491.5m-610kc) 6 p. m. talks; 7, Brevort trio; 8, Spinning Wheel hour; 10, Alamo orchestra; 11-12, entertainers.

WDAF Kansas City, Mo. (365.6m-820kc) 6-7 p. m. school of the air; 11:45-1, Nighthawk frolic.

WEBH Chicago, Ill. (370.2m-810kc) 7 p. m. classical hour; 9-11, Balaban and Katz Uptown theater musical hits.

WENR Chicago, Ill. (266m-1130kc) 6-7 p. m. organ; 8-9, trio; 9:10, frolic.

WFAA Dallas, Texas (475.9m-630kc) 6:30-7:30 p. m. musicale; 8:30-9:30, bridge game, selections; 11-12, orchestra.

WGBF Evansville, Ind. (236.1m-1270kc) 8 p. m. musical program; 9, classic hour.

WGN Chicago, Ill. (302.8m-990kc) 6:35 p. m. dinner concert, Drake concert ensemble; 8-9, WEAF; 9, Auction Bridge game; 9:30-10, WGN male quartet; 10, Sam 'n' Henry; 10:10, The Music Box; 10:20, musical program; 10:40-11, songs, Correll and Gosden.

WHAD Milwaukee, Wis. (275.1m-1090kc) 6 p. m. dinner hour, orchestra selections; 8:30, theater review.

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

WHB Kansas City, Mo. (365.6m-820kc) 7-7:30 p. m. organ concert; 7:30-8, Hawaiian team; 8, program; 9-10, concert.

WHO Des Moines, Ia. (526m-570kc) 7:30-8:30 p. m. 14th Cavalry band; 8:30-9, Paul Stoye, pianist; 11-12, dance program.

WHT Chicago, Ill. (399.8m-750kc) 6 p. m. Al Carney, organist; Bob York, Julie Juliens; 7:45 (238m-1260kc), Stuart Dawson, songs; 9:30 (399.8m-750kc), quartet; 10:30, variety program; 11, Al and Pat.

WJAZ Chicago, Ill. (329.5m-910kc) 6:30-8 p. m. Shoreland hotel; 8-8:30, highlights; 8:30-9, Realty program; 9-12, diversified program.

WJJD Mooseheart, Ill. (370.2m-810kc) 8-9 p. m. child artists; 11-1, Palmer House Victorians.

WLIB Chicago, Ill. (302.8m-990kc) 7-7:30 p. m. dinner concert; 7:30-8, WEAF; 11-12:15, Ruth Farley, organist; dance orchestra; songs.

WLS Chicago, Ill. (344.6m-870kc) 6 p. m. Supperbell; 6:40, Maurie Sherman's College Inn orchestra; 6:55, Tony's scrap book; 7, May and June; 10:30-12, organ; Maurie Sherman's College Inn orchestra; Jack Chapman's orchestra.

WMAQ Chicago, Ill. (447.5m-670kc) 6 p. m. organ; 7:30, orchestra; 8:10, U. of C. lecture; 8:45, radio-graph; 9, talk; 9:15, musicale.

WMC Memphis, Tenn. (499.7m-600kc) 8:30 p. m. program; 11, midnight frolic.

WQAI San Antonio, Tex. (394.5m-760kc) 8:30-9:30 p. m. Gebhardt Mexican players.

WOC Davenport, Iowa (483.6m-620kc) 7-7:30 p. m. WEAF; 7:30-8, musicale; 8-9, WEAF; 9-9:30, WEAF; 9:30-10:30, lecture; 11-12, dance music.

WMBB Chicago, Ill. (250m-1200kc) 7-8 p. m. ensemble; 8-8:30, recital; 8:30-11, frolic.

WQO Kansas City, Mo. (278m-1080kc) 8-9:30 p. m. devotional music.

At WGN

SANGAMO

Mica Condensers

Prevent

Shifting of Frequency Bands



Everybody said it couldn't be done—but here it is. A real, long distance radio which will operate a loud speaker to retail for only \$25.00. Plenty of volume and satisfactory tone.

ONE DIAL CONTROL

Just one dial to operate—so simple a child can tune it. All the latest modern improvements, operates on three ordinary dry cells—well made parts test of workmanship. Will equal results of many high priced radios.

AGENTS WANTED

Sell what the public wants—a good radio, attractive in appearance, built to bring in long distance, selective; with a pleasing tone, and yet at a price within the reach of all.

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Even at the low retail price of \$25.00 without accessories our commission to salesmen is large—you can easily make \$50.00 to \$100.00 a week. A demonstration in a prospect's home means a sure sale—the results will do all the selling.

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The time to sell radio is in the evening. You can give it your spare time and not interfere with your present employment. Increase your income—pleasant work, no experience in selling or radio necessary—we teach you.

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Send for your copy today—fully describes a proven plan of selling which has been thoroughly tried for five years. Also shows full line of radios from \$25.00 to \$235.00. Read what others are doing—you can do the same.

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Send me your 100 page book on selling radio.

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ADDRESS _____

“Last June I used Sangamo Mica Condensers in a multiple band pass filter. This has been in use for some time, and has given the best of results, showing no shifting of the frequency band. This permanency I believe is due entirely to the consistency of these condensers, there being no apparent change in capacity nor leakage across them. I cheerfully recommend them wherever a constant capacity is required.
(Signed) Geo. H. Leverett,
Asst. Engineer”
Station WGN Chicago

Sangamo Condenser Blocks

American-made condensers, wound under uniform tension to eliminate air or ozone bubbles that cause breakdowns.

- Handy sizes:
- 12 mfd. tapped 8, 2, 2 mfd.
 - 14 mfd. tapped 8, 2, 2, 1, 1 mfd.
 - 14 mfd. tapped 4 (high voltage), 4, 2, 1, 1, 1, 1 mfd.

Also separate condensers; special capacity blocks to order.

Sangamo Electric Company

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Steinite NOISE ELIMINATOR

IMPROVES RADIO RECEPTION— BETTER TONE—STOPS DISTORTION

New Steinite Invention guarantees to stop the noises within your set. Nearly all annoyance you lay to static comes from noises created within the set, or from stations interfering. Steinite Noise Eliminators delight you with the new performance of your radio. Tone quality is improved beyond your expectation, or we will refund immediately every cent of your money. Hundreds of thousands of users have cut out undesirable stations with the Steinite Interference Eliminator and will welcome this new Steinite invention. Let this new improvement cause you to marvel at the performance of your set—make the simple test at once at our risk.

Eliminates Noises Within the Set

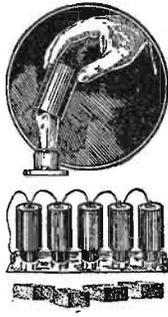
\$1.00 For Set of 5 Postpaid

With 4 Cabinet Supports

Stops mechanical vibration; prevents microphonic feed back; gives extra added life to the tubes—worth several times the price because of this saving alone. Slip them over the tubes and tune in your favorite station and detect immediately the improvement they make. They will give the true tone and sweetness you appreciate in musical instruments and voice.

10-Day Free Trial—We welcome this simple test at our risk and guarantee that performance of your set will convince you. Fit any tubes—no tools of any kind needed.

Send Orders Today for set of 5 Steinite Noise Eliminators with 4 cabinet supports (dollar bill will do). If you only need two or three Noise Eliminators, price is 25 cents each. Two Big Atchison Banks guarantee our reliability. Rush your order. We guarantee prompt shipment.



Gives Longer Life To Tubes

ORDER TODAY

The New Steinite 7-Tube Radio uses no batteries of any kind—only \$125. Loud Speaker Built In. Complete with tubes \$150—nothing to buy. Operates from light socket 1c an hour. Write for descriptive literature before buying an expensive Battery Set. Steinite Long Distance Crystal Set \$6; 6-Tube Battery Set \$45; Aerial Eliminator \$1; Interference Eliminator \$1; Crystals 50 cents each, 3 for \$1.

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SUBANTENNA!

THE AMAZING, NEW UNDERGROUND ANTENNA SYSTEM

Eliminates All Interference INCREASES DISTANCE—KILLS STATIC

SCIENCE

Now offers a Positive Means to Enjoyable Long Distance Reception

How often, when for days you have anticipated listening to a certain program from some distant station your set has failed you—because of the condition of the air. And how often “man-made” static, such as leaky power lines, or some other nuisance, has spoiled your radio evening. Indeed, there has been a dire need for some means of overcoming these obstacles. SUBANTENNA is the answer, for it not only cleans up the reception before it reaches the set, but it actually gives greater distance, bigger volume to weak signals and finer selectivity. Send coupon for particulars and Trial offer.

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Nothing Else Like It

SUBANTENNA is not just a wire. It is a patented device consisting of a specially treated wire, sheathed in a lead jacket, and containing three specially constructed pick-up or building-up coils. Nothing else will do what SUBANTENNA does.

MAKE THIS TEST

Connect your set to your regular aerial. Then connect it to SUBANTENNA. If you do not get the results we promise, we agree to promptly refund your money.

Send Coupon for TRIAL OFFER

Right now, decide to tear down your aerial; that unsightly, inefficient combination of sticks and wires that is obsolete. Just send the coupon and we'll mail you full particulars of SUBANTENNA—the first and only really practical system of radio reception. Mail the coupon NOW for special TRIAL offer. Clip at once!

CLIP AND MAIL NOW

Cloverleaf Manufacturing Co.,
2716-S South Canal Street, Chicago.

At once—send me full particulars of SUBANTENNA, also tell me about your special introductory TRIAL OFFER.

Name _____
Address _____

WOW Omaha, Nebr. (526m-570kc) 6 p. m. Henry Thornton, organist; 6:30, Lillian Madsen, popular entertainer; 9, popular and old time music; 10, orchestra.

WQJ Chicago, Ill. (447.5m-670kc) 7-8 p. m. Rainbow Gardens orchestra; vocal selections; 10-2 a. m. Rainbow Gardens orchestra; frolic.

WRR Dallas, Tex. (245.8m-1220kc) 6 p. m. orchestra; 8, entertainers.

WSAI Cincinnati, Ohio (325.9m-920kc) 6 p. m. quintet; 7, quartet; 8, WEA; 9-10:30, WEA; 10:30, program; 11, dance orchestra.

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

WSBC Chicago, Ill. (288.3m-1040kc) 6:30 p. m. dinner program; 7:15, travelog; 9-1, entertainers.

Mountain Time Stations

KOA Denver, Colo. (322.4m-930kc) 9 p. m. bridge.

Pacific Time Stations

KFI Los Angeles, Calif. (467m-642kc) 7-8 p. m. serenaders; 8-9, program; 9-10, varied hour; 10-11, Azure, music club.

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

KGW Portland, Ore. (491.5m-610kc) 8-10 p. m. educational program; 10-12, dance music.

KGO Oakland, Calif. (361.2m-830kc) 6-6:55 p. m. Stanislas Bem's Little symphony; 8-9, Pilgrims; 9, book talk.

KHJ Los Angeles, Calif. (405.2m-740kc) 6-6:30 p. m. White King quartet; 6:30-7:30, children's hour; 8-10, program; 10-11, orchestra.

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

KMTR Hollywood, Calif. (370.2m-810kc) 7 p. m. Orthophonic records; 7:30-9, features; 9-10, dance orchestra; 10-12, dance music.

KNX Hollywood, Calif. (336.9m-890kc) 8 p. m. program; 9, musicale; 10, frolic.

KPO Los Angeles, Calif. (428.3m-700kc) 7-7:30 p. m. orchestra; 8-9, organ; 9-10, program; 10-11, orchestra; 11-12, Cabirians.

Tuesday, silent night for: CFCA, KFJ, KFKX, KFUD, KX, KOB, KSWC, KWWG, WABC, WAMD, WBBR, WCOA, WEMC, WCCP, WLIT, WOS, WRVA, WSMB, WSUI, WTAM, WTIC.

WEDNESDAY, JANUARY 19

Headliners			
Eastern	Central	Mountain	Pacific
8 p. m.	7	6	5
PWX (399.8m-750kc) hand concert.			
WQJ (447.5m-670kc) "Opera Arias."			
8:30	7:30	6:30	5:30
KFH (268m-1120kc) Gege Brewer's Hawaiians.			
WIZ (333.1m-900kc) Naomi Hewitt cello quartet.			
WOS (440.9m-680kc) Missouri state university.			
9	8	7	6
WCOA (252m-1190kc) General R. E. Lee's birthday program.			
9:15	8:15	7:15	6:15
WJHM (226m-1330kc) "In Bermuda."			
9:30	8:30	7:30	6:30
KFAB (340.7m-880kc) Lorraine Matlock.			
WDAF (365.6m-820kc) Ararat Shrine chanters.			
9:45	8:45	7:45	6:45
WRVA (256m-1170kc) "How to write short stories," Margaret Prescott Montague.			
10	9	8	7
PWX (399.8m-750kc) Stowers artists.			
WLW (422.3m-710kc) Heerman trio.			
WRVA (256m-1170kc) Organ, Robert C. Hyde.			
10:30	9:30	8:30	7:30
WEAF (491.5m-610kc), WCAE (461.3m-720kc), WRC (468.5m-640kc), WGY (379.5m-790kc), "Manila."			
WIO (526m-570kc) "WHO" Quartet.			
11	10	9	8
KGW (491.5m-610kc), Seventh Infantry band.			
PWX (399.8m-750kc) Bacardi orchestra.			
WLW (422.3m-710kc) Ford and Glenn.			
11:10	10:10	9:10	8:10
WCCO (416.4m-720kc) The Irish trio.			

BASKETBALL GAMES

Saturday, January 15			
8 p. m.	7	6	5
WEAO (293.9m-1020kc) Illinois-Ohio.			
8:30	7:30	6:30	5:30
KFDY (299.8m-1000kc) Nebraska-South Dakota State college.			

Friday, January 21			
8:30 p. m.	7:30	6:30	5:30
KUOA (299.8m-1000kc) Texas A. and M.-U. of Arkansas.			

Saturday, January 22			
8 p. m.	7	6	5
WEAO (293.9m-1020kc) Minnesota-Ohio.			
8:30	7:30	6:30	5:30
KUOA (299.8m-1000kc) Texas A. and M.-U. of Arkansas.			
9:30	8:30	7:30	6:30
KFDY (299.8m-1000kc) Des Moines-S. D. State College.			

Saturday, January 29			
8:30	7:30	6:30	5:30
WTAW (270.1m-1110kc) Texas-A. and M.			

HOCKEY, JANUARY 18

Eastern	Central	Mountain	Pacific
8:15 p. m.	7:15	6:15	5:15
WBZ (333.1m-900kc) Boston Bruins-N. Y. Rangers.			

WRESTLING, JANUARY 22

Eastern	Central	Mountain	Pacific
5 p. m.	4	3	2
WOI (270.1m-1110kc) Univ. Mo.-Ames.			

Eastern	Central	Mountain	Pacific
10 p. m.	9	8	7
11:30	10:30	9:30	8:30
CNRW (384.4m-780kc) The Radio Movie.			
1 a. m.	12	11	10
CNRE (516.9m-580kc) Old Time dance program.			

WEDNESDAY, JANUARY 26

Headliners			
Eastern	Central	Mountain	Pacific
8 p. m.	7	6	5
KSO (405.2m-740kc) American Legion.			
8:15	7:15	6:15	5:15
WRVA (256m-1170kc) East End Mandolin club.			
8:30	7:30	6:30	5:30
CNRM (411m-730kc) Association Chorale De Saint Jerome.			
9	8	7	6
WRVA (256m-1170kc) Richmond Musicians club.			
9:05	8:05	7:05	6:05
WOS (440.9m-680kc) annual banquet Chamber of Commerce of Hannibal.			
9:15	8:15	7:15	6:15
WJHM (226m-1330kc) "In Spain."			
WSBC (288.3m-1040kc) Margaret Cade, soprano.			
10:15	9:15	8:15	7:15
KOA (322.4m-930kc) Boulder artists.			
10:30	9:30	8:30	7:30
WEAF (491.5m-610kc), WCAE (461.3m-720kc), WRC (468.5m-640kc), "Love's Vow," WEAF light opera company.			
11:00 p. m.	10:00	9:00	8:00
KTHS (374.8m-800kc) Valley Mills male quartet.			
11:30	10:30	9:30	8:30
CNRW (384.4m-780kc) Excerpts from Gilbert and Sullivan comic operas.			
1 a. m.	12	11	10
CNRE (516.9m-580kc) Old Time dance program.			
11:10	10:10	9:10	8:10
KHJ (405.2m-740kc) Varsity Four.			

Educational Features

Wednesday			
Eastern	Central	Mountain	Pacific
4 p. m.	3	2	1
KFAB (340.7m-880kc) Sociology lecture.			
6:30	5:30	4:30	3:30
WNYC (526m-570kc) Elementary Spanish lessons.			
7	6	5	4
KVOO (374.8m-800kc) Law lecture, U. of T.			
7:30	6:30	5:30	4:30
WDAF (365.6m-820kc) School of the Air.			
7:45	6:45	5:45	4:45
KSAC (340.7m-880kc) Sociology Taxation.			
7:55	6:55	5:55	4:55
KDKA (309.1m-970kc) University of Pittsburgh.			
8	7	6	5
WDBO (239.9m-1250kc) Rollins college.			
8:30	7:30	6:30	5:30
WOR (405.2m-740kc) N. Y. University.			
8:30	7:30	6:30	5:30
WEAO (293.9m-1020kc) Jan. 19, "The Trend of Business," Jan. 26, place of the motor truck.			
WOS (440.9m-680kc) Jan. 19, address, Timothy A. Smiddy, M. A. Jan. 24, address, George A. Pickens.			
9:10	8:10	7:10	6:10
WMAQ (447.5m-670kc) Lecture, Northwestern U.			
10:30	9:30	8:30	7:30
KOAC (280.2m-1070kc) Home building.			
11	10	9	8
KLX (508.2m-590kc) Educational program.			
11:45	10:45	9:45	8:45
KOAC (280.2m-1070kc) Story course.			

Regular Wednesday Features

CFCA Toronto, Can. (356.9m-840kc) 7-8 p. m. Canada Dry Ginger Ale orchestra; 10:45, dance orchestra.

KDKA Pittsburgh, Pa. (309.1m-970kc) 6:15 p. m. dinner music; 8, concert; 9, WJZ; 10, R. V. B. trio.

PWX Havana, Cuba (399.8m-750kc) 8-10 p. m. Band concert; 10-12, orchestra.

WABC New York, N. Y. (315.6m-950kc) 7:30-10 p. m. program; 10, dance music.

WBZ Springfield, Mass. (333.1m-900kc) 7:30 p. m. nature league; 8, musicale; 9, WJZ; 9:30, musicale.

WCAE Pittsburgh, Pa. (461.3m-650kc) 6 p. m. orchestra; 8, recital; 8:30-11:30, WEA.

WCAU Philadelphia, Pa. (277.6m-1080kc) 7:30 p. m. Spellenburg recital; 8, popular program; 10, Cheer-up club.

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

WDBO Winter Park, Fla. (239.9m-1250kc) 9 p. m. Chamber of Commerce.

WEAF New York, N. Y. (491.5m-610kc) 6 p. m. dinner music; 7, Synagogue Services by the United Synagogue of America; 7:30, United States Army Band; 8, WJZ; 8:30, Davis Saxophone octet, WJZ; 9, WRC; 9:30, WCAE, WJZ, WTAG, WSAI; 9:45, Ipana Troubadours, WJZ, WRC, WCAE, WJZ, KSD, WCCO, WLJR, WSAI; 9:50, Moment musicale, WGR, KSD, WWJ; 10, Smith Bros.; 10:30, WCAE, WRC; 10:30, WEA Light Opera company, WCAE, WRC; 10:30, orchestra; 11:30, Ben Bernie orchestra from the Hotel Roosevelt.

WEEI Boston, Mass. (348.6m-860kc) 8 p. m. musicale; 8:30, WEA; 10:05, Joe Rines and his Palais Royal orchestra.

WFI Philadelphia, Pa. (394.5m-760kc) 6:45 p. m. Adelpia dance orchestra.

WGH Clearwater, Fla. (265.3m-1130kc) 7 p. m. dinner music; 8:30, program; 9, program; 10:30-12, dance music.

WGHP Detroit, Mich. (270.1m-1110kc) 6 p. m. dinner concert, Hotel Tuller; 8-10, concert.

WGR Buffalo, N. Y. (319m-940kc) 8:30-10:30 WEA.

WGY Schenectady, N. Y. (379.5m-790kc) 7:30 p. m. Eastman theater; 8:15, musicale, WHAM; 10, WEFL program.

WHK Cleveland, Ohio (272.6m-1100kc) 7 p. m. orchestra; 8, studio concert; 9, quartet; 10, Whozit; 10:15, music.

WHN New York, N. Y. (361.2m-830kc) 7:30 p. m. Loew's Lexington Theater organ recital; 9:30, Loew's 7th Ave. Theater concert; 10, songs; 10:30, Roseland dance orchestra; 11, orchestra; 11:30, Silver Slipper orchestra; 12, Cotton club orchestra.

WICC Bridgeport, Conn. (232.4m-1290kc) 8 p. m. program; 8:30, musicale club; 9, music.

WIP Philadelphia, Pa. (508.2m-590kc) 6:10 p. m. Benjamin Franklin concert orchestra; 7, Uncle Wip's bedtime stories.

WJAX Jacksonville, Fla. (336.9m-890kc) 8-8:30 p. m. Popular program; 8:30-9:30 classical program; 9:30-10, studio program.

WJR Detroit, Mich. (516.9m-580kc) 7 p. m. Jean Goldkette's Petite symphony orchestra; soloists;

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1 Wendell Hall, king of ukulele ditties	20 Vincent Lopez, No. 1 Pennsylvania orchestra
2 Graham McNamee, 1925 Gold Cup announcer	21 E. L. Tyson, pleasing voice at WWJ
3 Jack Little, popular wandering balladist	22 Bert Davis, "Clown of the Air."
4 Billy B. Van, the Sunshine Man	23 Art Gillham, "The Whispering Pianist"
5 Coon-Sanders' Original "Nighthawks"	24 The Sunflower Girl of WBAP
6 George Hay, 1924 Gold Cup announcer	25 Harry Ehrhart, "Dream Daddy" of WLIT
8 Ford and Glenn, Lullaby Boys of WLS	26 Correll and Gosden of "Kinky Kids Parade" fame, at WEBB and other stations.
9 "Roxy" Rothafel of WEAF chain fame	27 Norman Brokenshire, popular at WRC, WJZ
10 The Hired Hand, famous "Substitute Announcer" of WBAP	28 Jane Novak, Blues Singer of Twin Cities, WCCO
11 Jerry Sullivan, of Chi-CAW-go fame.	30 Jean Sargent, the original, now at WHT
12 Bob Emery, Big Brother of WEEI	31 Ralph Emerson, popular organist at WLS
13 "Bill" W. G. Hay, ex-KFKX, now of WLIB	32 Edna Adams, of KPRC
14 Happiness Boys, jovial singers of WEAF	33 Pat Barnes, vaudeville announcer at WHT
15 Lambdin Kay, "Little Colonel" of WSB	38 Walter Wilson, "Uncle Bob" of KYW
16 Leo Fitzpatrick, "Merry Old Chief," WJR	40 Ray-O-Vac Twins, known country-wide
17 Henry Field, 1925 Gold Cup runner-up	41 Art Linick, KYW's Mrs. Schlegelbauer
18 Al Carney, organ favorite at WHT	42 Fred Hamm of WTAS, now WLIB, fame
19 Earl E. May, 1926 Gold Cup Announcer.	

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7:45, Good Will Oakland and Chief Pontiac; 9, studio program; 11, Murphy Brothers, organist, tenor, baritone; 12, Merry Old Chief and his tribe.

WJZ New York, N. Y. (454.3m-660kc) Only tentative program listed. 7 p. m. Hotel Commodore dinner orchestra; 8, Imperial Imps; 8:30, Dubeer Hampden Watchmakers; 9, Maxwell hour; KOKA, WBZ; 10:30, Hotel Astor dance orchestra.

WKRC Cincinnati, Ohio (422.3m-710kc) 8:15 p. m. Hotel Alms orchestra; 9, Everfresh program; 12, dance music.

WLIT Philadelphia, Pa. (394.5m-760kc) 8 p. m. Concert orchestra; 8:30, WEAF; 9, Stanley theater hour; 10, dance orchestra.

WLW Cincinnati, Ohio (422.3m-710kc) 7 p. m. Robert Visconti's orchestra; 7:40, Robert Visconti's orchestra; 8, special program; 10, Heerman trio; 10:40, Ford and Glenn; 11, organ recital; Johanna Grosse.

WLWL New York, N. Y. (288.3m-1040kc) 9 p. m. musicale.

WMAK Buffalo, N. Y. (265.5m-1130kc) 7:30 p. m. Eastman theater, WGY; 8:15, WHAM program; 9, musicale; 10, frolic.

WMCA New York, N. Y. (340.7m-880kc) 6:30 p. m. orchestra; 7:15, orchestra; 7:30, Finkenber's Radio Franks; 9, Altschul's quartet; 12, McAlpin entertainers.

WNYC New York, N. Y. (526m-570kc) 6:10 p. m. Piano selections.

WOO Philadelphia, Pa. (508.2m-590kc) 7:30 p. m. orchestra; 8, lecture; 8:50, concert; 10:30, dance music.

WOR Newark, N. J. (405.2m-740kc) 6:15 p. m. Jacques Jacobs' Hotel Shelton ensemble; 6:45, Bill Warley in sports; 7, Jacques Jacobs' Hotel Shelton ensemble; 7:30, orchestra; 8, N. Y. University; 8:15, orchestra; 9, Studio Guild hour; 11, dance orchestra.

WRC Washington, D. C. (468.5m-640kc) 7 p. m. Lee House trio; 7:30, U. S. Army band; 8:30-9, WEAF; 9, WEAF; 9:30, staff program; 10, WEAF.

WRVA Richmond, Va. (256.3m-1170kc) 8 p. m. Headliners.

WSAI Cincinnati, Ohio (325.9m-920kc) 6:45 p. m. piano; 7:15, chimes; 7:30, Bosworth artist series; 10, WEAF; 10:30, studio; 11, dance orchestra.

WSKC Bay City, Mich. (260.7m-1150kc) 9-11 p. m. musicale.

WSMB New Orleans, La. (319m-940kc) 8:30 p. m. classics.

WTAG Worcester, Mass. (545.1m-550kc) 7 p. m. Powers Coal Miners; 7:30, program; 8, Bancroft hotel orchestra; 8:30, WEAF; 9, program; 10, WEAF.

WTAM Cleveland, Ohio (389.4m-770kc) 6 p. m. Collegian serenaders; 7:15, talks; 7:30, WEAF; 8, studio recital; 8:30, WEAF; 9, program; 11, orchestra.

WWJ Detroit, Mich. (352.7m-820kc) 6 p. m. Dinner concert; 8, Detroit News orchestra; 9, WEAF; 10, WEAF.

Central Time Stations

CKY Winnipeg, Can. (384.4m-780kc) 10 p. m. Prof. Gregori Gorbovitsky, violinist.

KFAB Lincoln, Neb. (340.7m-880kc) 5:30-6:30 p. m. Hotel Lincoln orchestra; 8:30-10:30, request program.

KFNF Shenandoah, Iowa (461.3m-650kc) 7 p. m. Concert, Henry Field Seed company.

KMA Shenandoah, Iowa (461.3m-650kc) 9-11 p. m. Two piano concert, Petersen Brothers.

KMOX St. Louis, Mo. (280.2m-1070kc) 6 p. m. dinner organ recital; 6:30, quartet; 7:30, quartet; 8, quartet; 9, soloists; 10:15, orchestra; 12-1, dance music.

KPRC Houston, Texas (299.8m-1000kc) 7:30 p. m. Jack Willrich's orchestra; 8:15, evening concert; 9-12, Frank Tilton.

KSO Clarinda, Iowa (405.2m-740kc) 6:30 p. m. songs.

KTHS Hot Springs National Park, Ark. (374.8m-800kc) 9-9:45 p. m. music; 9:45-11:05, frolic.

KVOO Bristow, Okla. (374.8m-800kc) 7-8 p. m. program; 8-9, Dorothy Heywood Reedy, artists; 12, dance orchestra.

KYW Chicago, Ill. (535.4m-560kc) 6:30 p. m. Joska DeBary and his orchestra; 7, Family hour; 9-10:30, Edison classical concert; 10:30-12, Congress carnival.

WBBM Chicago, Ill. (226m-1330kc) 8, Coon-Sanders; 9-12, artists, orchestras; 12, Nutty club.

WCCO Minneapolis-St. Paul, Minn. (416.4m-720kc) 6:45 p. m. Radio Pioneers' hour; 8, WEAF; 8:30, musicale; 9, WEAF; 10:30, orchestra; 11:30, organ recital, Eddie Dunstetter.

WCFL Chicago, Ill. (491.5m-610kc) 6 p. m. talks; 7, Brevort trio; 8, variety hour; 10, Alamo orchestra; 12, entertainers.

WCOA Pensacola, Fla. (252m-1190kc) 6:30 p. m. Evening program.

WDAP Kansas City, Mo. (365.6m-820kc) 6-7 p. m. School of the air; 8-9, musicale; 9-9:30, WEAF; 11:45-1, Nighthawk frolic.

WEBH Chicago, Ill. (370.2m-810kc) 7 p. m. Edgewater Beach hotel orchestra; 9-11, orchestra, artists; 12-12:30, revue.

WEMC Berrien Springs, Mich. (315.6m-950kc) 8:15 p. m. recital.

WENR Chicago, Ill. (265.3m-1130kc) 6-7 p. m. Rauland trio; 8-9, trio; 9-10, Samovar orchestra; 12-2, frolic.

WGN Chicago, Ill. (302.8m-990kc) 6:10 p. m. music; 6:15, Punch and Judy; 6:35, Drake concert ensemble; 6:50-7, Old Fashioned Almanack; 7:15, Paul Ash; 8:30, Adventures of Oney Fred Sweet; 8:40, songs; 8:45-10, Arabian Nights' entertainment;

10, Sam 'n' Henry; 10:10, Music Box; 10:20, songs, Tommy Coates; 6:30-12, The Pepper Party.

WHAD Milwaukee, Wis. (275.1m-1090kc) 6, orchestra; 10:30, dance program; 11:12:30, organ.

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

WHB Kansas City, Mo. (365.6m-820kc) 7-8 p. m. program; 10:30-11:30, midweek musicale.

WHI Des Moines, Iowa (526m-570kc) 6-7 p. m. Little symphony; 7-9:30, program; 9:30-11:30, dance music.

WHT Chicago, Ill. (399.8m-750kc) 6 p. m. Al Carney; 7:45 (238m-1260kc), orchestra, Stuart Dawson; 9:30 (399.8m-750kc), program; 10, variety program; 11, Al and Pat.

WIBO Chicago, Ill. (225.4m-1330kc) 6-8 p. m. dinner concert; 10-12, dance music.

WJAZ Chicago, Ill. (329.5m-910kc) 6:30 p. m. Shoreland hotel; 8, highlights; 9, diversified program.

WJJD Mooseheart, Ill. (370.2m-810kc) 8-9 p. m. child artists; 11-12, Palmer House Victorians.

WLID Chicago, Ill. (302.8m-990kc) 8-8:30 p. m. WEAF; 12-12:45, open club orchestra.

WLS Chicago, Ill. (344.6m-870kc) 6 p. m. Supperbell; 6:40, Maurie Shernan's College Inn orchestra; 6:55, Tony's scrap book; 7, May and June; 7:15, duo, Old Town Coffee room; 8, program; 8:30, musicale; 9:30-12, dance night.

WMAQ Chicago, Ill. (447.5m-670kc) 6 p. m. Chicago theater organ; 8, Gus Edwards orchestra; 8-10, Northwesters; 9, music; 9:30, musicale.

WMBB Chicago, Ill. (249.9m-1200kc) 7-8:30 p. m. Trianon duo; Bessie Beelman, contralto; Monte Blunn, tenor; 8:30-11, orchestra; artists.

WOAI San Antonio, Texas (394.5m-760kc) 8:30-9:30 p. m. Delaware Punch program.

WOC Davenport, Iowa (485.6m-620kc) 6:30-7:30 p. m. musicale; 9:30, WEAF; 9:30-10:30, musicale.

WOK Chicago, Ill. (238m-1260kc) 6-7:45 p. m. string ensemble; 8-9 (217.3m-1380kc), theater program; 9:30-12 (238m-1260kc), syncopators.

WOQ Kansas City, Mo. (278m-1080kc) 6:15 p. m. orchestra.

WORD Chicago, Ill. (275.1m-1090kc) 7 p. m. North Shore line; 7:45, ten minutes of good reading; 9, I. B. S. A. choral singers; 9:15, Bible lecture.

WOS Jefferson City, Mo. (440.9m-680kc) 7:30 p. m. address; 8:05, talk; 8:20, musicale.

WQJ Chicago, Ill. (447.5m-670kc) 7-8 p. m. Rainbo Gardens orchestra; concert; 10-2 a. m. Rainbo frolic.

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

WSBC Chicago, Ill. (288.3m-1040kc) 6:30-8 p. m. dinner program; 9-1, entertainers.

WSOE Milwaukee, Wis. (245.8m-1220kc) 6:10 p. m. children's program; 7, popular program; 8, Whozit.

WSSW Chicago, Ill. (275.8m-1090kc) 6 p. m. Dinner hour program; Terrace Garden orchestra; 8, Terrace Garden orchestra; 10, popular program; 12 midnight, Witching hour.

Mountain Time Stations

KOA Denver, Colo. (322.4m-930kc) 8 p. m. Scheuerman's Colorado orchestra; 8:15, studio program.

Pacific Time Stations

KFI Los Angeles, Calif. (467m-642kc) 7 p. m. Virginia ballroom orchestra; 7:30, Nick Harris; 8-9, program, California Petroleum corp.; 9-10, semi-classical hour; 10-11, Sunset instrumental quartet.

KFWB Hollywood, Calif. (252m-1190kc) 6-7 p. m. Pacific dinner hour; 7:50, news; 8-9, features; 9-10, Bill Hatch and his orchestra; 10-11, Warner Brothers frolic.

KGO Oakland, Calif. (361.2m-830kc) 6-6:55 p. m. Stanislas Bem's Little symphony; 8, farm program; 9, trio.

KWJ Portland, Ore. (491.5m-610kc) 8-9 p. m. concert; 9-10, entertainment.

KHJ Los Angeles, Calif. (405.2m-740kc) 6:30-7:30 p. m. children's hour; 8-10, features; 10-11, Varsity four.

KJR Seattle, Wash. (384.4m-780kc) 10 p. m. dance music.

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

KMTR Hollywood, Calif. (370.2m-810kc) 7-7:50 p. m. musical program; 7:50-8, feature; 9-10, dance; 10-12, frolic, Palais de Danse.

KNX Hollywood, Calif. (336.9m-890kc) 7 p. m. musicale; 8, musicale; 9, program; 10, Edgewater club orchestra; 11, Hotel Ambassador.

KPO San Francisco, Calif. (428.3m-700kc) 6:30-7 p. m. States Restaurant orchestra; 7-7:30, Rudy Seiger's Fairmont hotel concert orchestra; 8-9, Atwater Kent artists; 9-10, music; 10-11, States Restaurant orchestra; 11-12, Trianon ballroom.

KWSC Pullman, Wash. (348.6m-860kc) 7:30 p. m. Concert, talks.

Wednesday, silent night for: CKAC, KFDM, KFDY, KLDs, KMMJ, KMOX, KOB, KOIL, KPSN, KUOA, KWWG, WABO, WBAL, WBAP, WBBR, WCB, WFAA, WFI, WGBF, WGBS, WGPC, WHAR, WIP, WJAZ, WMC, WOAI, WOW, WPG, WRR, WSUI, WTTIC.

THURSDAY, JANUARY 20

Headliners

Eastern	Central	Mountain	Pacific
4 p. m.	3	2	1
WOJ (447.5m-670kc) Mrs. Rose Loeffel, "Home Sweet Home."			
7:30	6:30	5:30	4:30
WBZ (333.1m-900kc) "The Psychology of Personal Problems."			
WSAI (325.9m-920kc) Mrs. Audrey Gillespie, soprano.			
8	7	6	5
KSQ (405.2m-740kc) Jack Mosberger and orchestra.			
WBAL (245.8m-1220kc) Knights of Columbus choir.			
WQJ (447.5m-670kc) "Sea Songs."			
8:15	7:15	6:15	5:15
WRVA (256m-1170kc) A radio trip through Virginia.			
8:30	7:30	6:30	5:30
CNRM (411m-730kc) "The Mikado," (CNRO 434.5m-690kc)			
KFH (268m-1120kc) Metropolitan Mandolin trio.			
WOS (440.9m-680kc) Hon. Frank O. Lowden, former Governor of Illinois.			

Eastern	Central	Mountain	Pacific
3:00 p. m.	8:00	7:00	6:00
WCB (344.6m-780kc) "A complete program of Old-Time Favorites"			
WHO (526m-570kc) Crusaders of the air.			
WTC (475.9m-630kc) Sascha Jacobson string quartet.			
9:15	8:15	7:15	6:15
WBBM (226m-1330kc) "Bright Spots from Comic Operas."			
9:30	8:30	7:30	6:30
WOAI (394.5m-760kc) Excerpts from "Mountebanks."			
10	9	8	7
KPRC (299.8m-1000kc) Southern Pacific lines band.			
WBZ (333.1m-900kc) Vitali Podolosky.			
WBB (365.6m-820kc) Martin and Taylor.			
WHN (361.2m-830kc) "Cookie."			
10:45	9:45	8:45	7:45
WOR (405.2m-740kc) "Mr. and Mrs. Newlywed."			
11	10	9	8
KGO (361.2m-830kc) KGO Little symphony.			
WOC (483.6m-690kc) Old Fashioned orchestra music.			
11:30	10:30	9:30	8:30
CNRC (434.8m-690kc) "A Visit to Spain."			
12 mid.	11	10	9
CNRV (291m-1030kc) Murray Cameron's old time orchestra.			

THURSDAY, JANUARY 27

Headliners

Eastern	Central	Mountain	Pacific
7 p. m.	6	5	4
WENR (266m-1130kc) Organ, Edward Benedict.			
8:15	7:15	6:15	5:15
WRVA (256m-1170kc) "A day at a military academy."			
9:30	8:30	7:30	6:30
WFAA (475.9m-630kc) Wednesday Morning Choral club recital.			
WOAI (394.5m-760kc) Excerpts from "Mikado."			

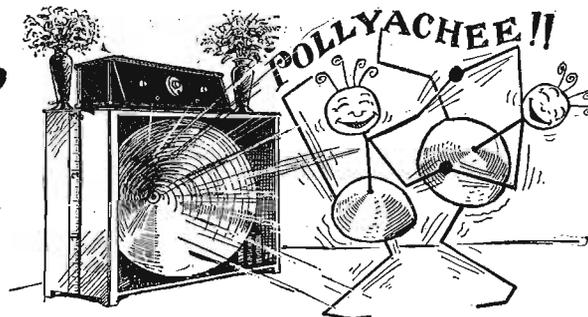
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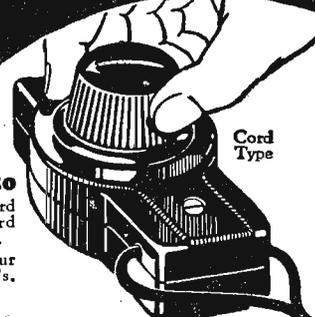
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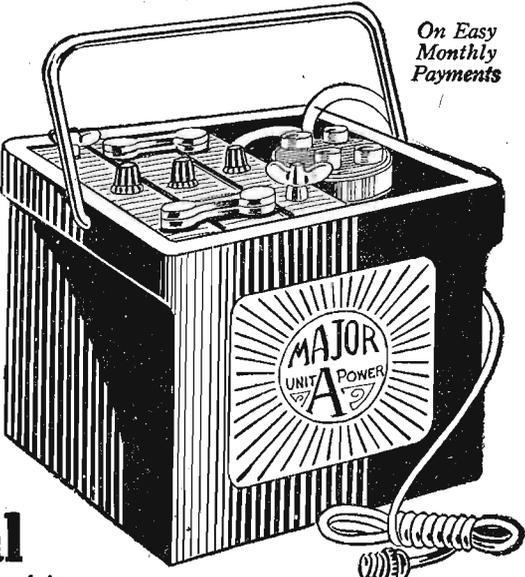
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Eastern 10:30 p. m. Central 9:30 Mountain 8:30 Pacific 7:30
KTHS (374.8m-800kc) Meyer Davis band.
WJRC (434.8m-690kc) Visiting Italy.

Educational Features

Thursdays
Eastern 8:30 Central 7:30 Mountain 6:30 Pacific 5:30
KVOO (374.8m-800kc) U. of Tulsa.
WDFA (365.6m-820kc) School of the Air.
WDBO (239.9m-1250kc) Literary Appreciation series.
KUOA (299.8m-1000kc) Jan. 20, "The King of the Skies." Jan. 27, "The Little Theater." Democracy and Education.
WEAO (293.9m-1020kc) Engineering.
WOI (270.1m-1110kc) Iowa State Radio courses.

Regular Thursday Features

Eastern Time Stations
CFCA Toronto, Can. (356.9m-840kc) 8:15 p. m. musical program, Luigi Romanelli and his orchestra.
KDKA Pittsburgh, Pa. (309.1m-970kc) 6:15 p. m. KDKA Little symphony orchestra; 8, program; 9, symphony; 11, dance.
PWX Havana, Cuba (399.8m-750kc) 8:30 p. m. Cuban program.
WBAL Baltimore, Md. (246m-1220kc) 6:30-7:30 p. m. dinner orchestra; 7:30-8, organ recital; 8-9, musical program, instrumental and vocal selections; 9-10, ensemble; 10-11, staff concert; 11-12, dance orchestra.
WBRR New York, N. Y. (416.4m-720kc) 8 p. m. program.
WBZ Springfield, Mass. (333.1m-900kc) 6:15 p. m. organ; 6:30, orchestra; 8, musicale; 9, WJZ; 10, program; 10:30, orchestra.
WCAE Pittsburgh, Pa. (461.3m-650kc) 6 p. m. orchestra; 7:45, talks; 8:30, musicale; 9-11, WEAF; 11, dance music.
WCAU Philadelphia, Pa. (277.6m-1080kc) 7:30 p. m. Schlenker recital; 8, Sadder's Serenaders; 8:30, Getz Go-Getters; 9:30, Musical Chorus; 10, frolic; 10:30, Parodians' dance orchestra; 11, Club Cadix revue.
WCX Detroit, Mich. (516.9m-580kc) 6-7 p. m. dinner program, Goldkette ensemble; 8-9, studio program.
WDBO Winter Park, Fla. (239.9m-1250kc) 9 p. m. orchestra.
WEAF New York, N. Y. (491.5m-610kc) 6 p. m. dinner music; 7, mid-week hymn sing, auspices of the Greater New York Federation of churches; 7:30, famous characters in literature, WOC; 8, Coward Comfort hour; 8:30, program, WEI, WGR, WFI, WJZ, WCAE; 9, Chiquet Club Eskimos, WEEL, WJAR, WTAG, WFL, WCAE, WSAI, WTAM, WGR, WWJ, WOC, WCCO, KSD, WGN; 10, Goodrich Zippers, WEEL, WFI, WCAE, WWJ, WGR, WOC, WCCO, WTAG, KSD, WSAI, WJAR, WGN, WADC, WCSH, WTAM; 11, Vincent Lopez and his orchestra from Casa Lopez.
WEAO Columbus, Ohio (293.9m-1020kc) 8:15 p. m. headliners.
WEEL Boston, Mass. (348.6m-860kc) 6:10 p. m. Palais Royal orchestra; 7:50, Boston Globe broadcast; 8, musicale; 9-11, WEAF.
WFI Philadelphia, Pa. (394.5m-760kc) 8 p. m. The Serenaders; 8:30, recital; 9, WEAF; 10, WEAF.
WGBS New York, N. Y. (315.6m-950kc) 6 p. m. program.
WGHB Clearwater, Fla. (265.3m-1130kc) 7 p. m. dinner music; 8:30, Euphemia Kavassa; 9, band; 10, dance music.
WGHP Detroit, Mich. (270.1m-1110kc) 6 p. m. dinner concert, Hotel Tuller; 10-11, WGHP Frolicers; 11-12, dance orchestra.
WGR Buffalo, N. Y. (319m-940kc) 6:30-7:30 p. m. Vincent Lopez Hotel Statler orchestra; 8-11, WEAF.
WGY Schenectady, N. Y. (379.5m-790kc) 6:30 p. m. Ten Eyck hotel; 7:45, musicale; 9, WJZ; 10-11:30, program; 11:30, organ.

WHK Cleveland, Ohio (272.6m-1100kc) 6 p. m. orchestra; 10, sacred hour.
WHN New York, N. Y. (361.2m-830kc) 7 p. m. Iceland dance orchestra; 8, Will Oakland's Chateau; 9:30, Loew's theater; 12, The Playground.
WICC Bridgeport, Conn. (232.4m-1290kc) 7 p. m. studio program.
WIP Philadelphia, Pa. (508.2m-590kc) 6:10 p. m. Benjamin Franklin concert orchestra; 7, Uncle Wip's bedtime stories; 8, evening program; 10:05, dance orchestra; 10:30, orchestra.
WJR Detroit, Mich. (516.9m-580kc) 7 p. m. Jean Goldkette's Petite symphony orchestra; soloists; 7:30, Ide and Meginnity, entertainers; 9, studio program.
WJZ New York, N. Y. (454.3m-660kc) Tentative program only 7 p. m. Hotel Pennsylvania dinner orchestra; 8, First National presentation, WRC; 9, Royal hour of music, WRC, WGY, WBZ will also broadcast; 10, program; 10:30, Jack Denny's Frivolous club orchestra, WBZ.
WKRC Cincinnati, Ohio (422.3m-710kc) 10 p. m. Louisville Loons; 10:30, baritone; 11, piano; 11:15, dance music.
WLIT Philadelphia, Pa. (394.5m-760kc) 7:30 p. m. concert orchestra.
WLW Cincinnati, Ohio (422.3m-710kc) 7:40 p. m. orchestra; 10, light opera; Melody Boys; 12:15 a. m. studio program.
WLWL New York, N. Y. (288.3m-1040kc) 9 p. m. Question box; 9:30, trio.
WMAK Buffalo, N. Y. (265.5m-1130kc) 6:15 p. m. Hotel Lafayette trio; 7:45, Syracuse University; 9, musicale; 10, dance; 11:30, WGY.
WMCA New York, N. Y. (340.7m-880kc) 7 p. m. orchestra; 7:30, Grel-Meister's Hungarian orchestra; 9, Solow soloists; 9:30, Nutty hall hour; 11, Ernie Golden and his Hotel McAlpin orchestra; 12, Broadway Nite.
WNYC New York, N. Y. (526m-570kc) 6:40 p. m. piano selections; 7:20, piano selections.
WOO Philadelphia, Pa. (508.2m-590kc) 11 a. m. organ recital; 12:02 p. m. Tea Room orchestra; 4:45, organ recital; 7:30, dance orchestra.
WOR Newark, N. J. (405.2m-740kc) 6:15 p. m. Jacques Jacobs' Hotel Shelton ensemble; 6:45, Bill Wathey in sports; 7, Jacques Jacobs' Hotel Shelton ensemble; 10:45, entertainers; 11, orchestra; 11:35, orchestra.
WPG Atlantic City, N. J. (299.8m-1000kc) 7:15 p. m. organ recital, Arthur Brook; 7:30, Hotel Morton dinner music; 8, world wonder excursions; 8:15, studio concert; 9:45, program; 10, movie broadcast; 10:20, organ recital; 11:20, Silver Slipper Supper club dance orchestra.
WRC Washington, D. C. (468.5m-640kc) 7 p. m. dinner music; 8, to be announced; 10-11, band.
WRVA Richmond, Va. (256.3m-1170kc) 8:20 p. m. evening program; 11, Carry me back to Old Virginia.
WSAI Cincinnati, Ohio (325.9m-920kc) 6:40 p. m. talk; 6:45, chimes; 7, musicale; 7:30, request program; 10, WEAF; 11, music.
WTAG Worcester, Mass. (545.1m-550kc) 8 p. m. program; 8:30, Standardrye trio; 9, WEAF; 10, WEAF.
WTAM Cleveland, Ohio (389.4m-770kc) 6 p. m. Hollenden hotel orchestra; 7:30, studio program; 10, studio program; 11, Collegium serenaders.
WTHC Hartford, Conn. (475.9m-630kc) 6 p. m. Hotel Heublein trio; 7, midweek religious sing; 7:30, staff artists; 8, Outlet Owlets; 8:30, Capitol theater presentation.
WWJ Detroit, Mich. (352.7m-820kc) 6 p. m. dinner concert; 8, WEAF.

Central Time Stations

CKY Winnipeg, Can. (384.4m-780kc) 8:30-9 p. m. studio program; 9-10, J. A. Banfield company's concert.
KFAB Lincoln, Nebr. (340.7m-880kc) 8:30-10:30 p. m. out of town program.
KFNF Shenandoah, Iowa (461.3m-650kc) 7 p. m. concert.
KLDG Independence, Mo. (440.9m-680kc) 8 p. m. studio program.
KOIL Council Bluffs, Ia. (305.9m-980kc) 6 p. m. program; 7, program; 7:30, oil burner; 8, music hour; 11, orchestra.

KPRC Houston, Texas (299.8m-1000kc) 8 p. m. evening concert; 9, band.
KSO Clarinda, Iowa (405.2m-740kc) 6:30 p. m. concert.
KTHS Hot Springs National Park, Ark. (374.8m-800kc) 9-10:15 p. m. program; 10:15, specialties.
KVOO Bristow, Okla. (374.8m-800kc) 7-7:30 p. m. Hawaiian music; 7:30-8, Irene Buchner; 8-9, music lovers hour; 12, American Legion frolic.
KYW Chicago, Ill. (535.4m-560kc) 6:30 p. m. Joska DeBabary and his orchestra; 7, family hour; 8, Twenty Minutes of Good Reading, Rev. C. J. Perrin; 9-10:30, classical concert; 10:30-12, Congress carnival.
WBAP Fort Worth, Tex. (475.9m-630kc) 7:30-8:30 p. m. musicale; 9:30-11, program; 11-12, frolic.
WBBM Chicago, Ill. (226m-1330kc) 8 p. m. Coon-Sanders Night Hawks; 9-11, orchestra, piano; 11, Coon-Sanders Night Hawks.
WCCB Zion, Ill. (344.6m-870kc) 8 p. m. musicale.
WCCO Minneapolis-St. Paul, Minn. (416.4m-720kc) 8 p. m. WEAF; 10:05, talk.
WCFB Chicago, Ill. (491.5m-610kc) 6 p. m. talks; 7, Brevoort trio; 8, classical hour; 10, Alamo orchestra; 11-12, Alamo entertainers.
WDAF Kansas City, Mo. (365.6m-820kc) 6-7 p. m. school of the air; 11:45-1, Nighthawk frolic.
WEBB Chicago, Ill. (370.2m-810kc) 7-8 p. m. Uptown theater; 9:30-11, musicale.
WENR Chicago, Ill. (265.3m-1130kc) 6-7 p. m. Rauland trio; 8-9, trio; 9-10, popular program.
WFAA Dallas, Texas (475.9m-630kc) 6:30-7:30 p. m. Baker hotel orchestra; 8:30-9:30, concert.
WGN Chicago, Ill. (302.8m-590kc) 6:35 p. m. Drake concert ensemble; Blackstone string quartet; 8-10, WEAF; 10, Sam 'n' Henry; 10:10, The Music Box; 10:20, Mark Love, bass; Bobby Meeker's Drake hotel orchestra; 10:30-11, songs, Correll and Gosden.
WHAD Milwaukee, Wis. (275.1m-1090kc) 6:15 p. m. orchestra and vocal selections, Wisconsin hotel orchestra; 7, talk; 8:30, studio program.
WHAS Louisville, Ky. (399.8m-750kc) 7:30-9 p. m. concert.
WHB Kansas City, Mo. (365.6m-820kc) 7-7:30 p. m. organ concert; 7:30-9, talks; 9-10, songsters.
WHO Des Moines, Ia. (526m-570kc) 7:30-8 p. m. dinner concert; 8-9, music; 11-12, dance program.
WHT Chicago, Ill. (399.8m-750kc) 6 p. m. Al Carney, organist, violin; 7:45 (238m-1260kc), orchestra, songs; 10:30, quartet; 11, Al and Pat.

WIBO Chicago, Ill. (225.4m-1330kc) 6-8 p. m. dinner concert; 12-2, Aragon minstrels.
WIAZ Chicago, Ill. (329.5m-910kc) 7 p. m. diversified program; 9, Shoreland.
WJJD Mooseheart, Ill. (370.2m-810kc) 8-9 p. m. child artists; 11-1 a. m. Palmer House Victorians.
WLIB Chicago, Ill. (302.8m-590kc) 7-8 p. m. dinner concert; 11-12:30, organ, orchestras.
WLS Chicago, Ill. (344.6m-870kc) 6:30 p. m. sports; 6:40-7:55, artists; 10:30, organist; 10:45-12, orchestras.
WMAQ Chicago, Ill. (447.5m-670kc) 6 p. m. Chicago theater organ; 6:30, Gus Edwards' orchestra; 7, orchestra; 8, program; 8:05, U. of Chicago; 8:30, program; 9, players.
WMBB Chicago, Ill. (249.9m-1200kc) 7-8:30 p. m. Trianon ensemble; 8:30-11, orchestra; Arthur Truesdale.
WMC Memphis, Tenn. (499.7m-600kc) 8 p. m. talk on Memphis commerce; 8:30, program.
WOAI San Antonio, Tex. (394.5m-760kc) 8:30-9:30 p. m. Radiola Super-Heterodyne hour.
WOC Davenport, Iowa (483.6m-620kc) 7:30-8 p. m. Moline Howboys; 8-9, WEAF; 9-10, WEAF; 10-11, musicale.
WOK Chicago, Ill. (238m-1260kc) 6-7:45 p. m. string ensemble; 8-9 (217.3m-1380kc), theater organ; 9:30-12 (238m-1260kc), syncopators.
WORD Chicago, Ill. (275.1m-1090kc) 7 p. m. Webster Hotel duo orchestra; 9, musicale.
WOW Omaha, Nebr. (526m-570kc) 6 p. m. Vag-abonds; 9, classical program; 10, Roseland Gardens.
WQJ Chicago, Ill. (447.5m-670kc) 7-8 p. m. Rainbo Gardens orchestra; specialty; 10-2 a. m. Rainbo frolic.
WRR Dallas, Tex. (245.8m-1220kc) 6 p. m. music; 8, band; 9, Bible class; 11-12, old-time music.
WB Atlanta, Ga. (428.3m-700kc) 8 p. m. concert; 10:45, Charles A. Sheldon Jr., organist.
WSBC Chicago, Ill. (288.3m-1040kc) 6-7 p. m. dinner program; 9-11, entertainers.
WSMB New Orleans, La. (319m-940kc) 8:30 p. m. dance program.
WSOE Milwaukee, Wis. (245.8m-1220kc) 6 p. m. in children's hour; 7, popular music; 9, bridge; 9:30, community band.
WSW Chicago, Ill. (275.8m-1090kc) 6 p. m. dinner hour program; Terrace Garden orchestra; 8, production, the Magic Crystal; 10, popular airs; 12, Witching hour program.

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As the last notes of the Liebestraume died away, the room resounded with a sudden roar of applause. Everybody was plying me with questions. "Jack! Why didn't you tell us you could play like that?" "Where did you learn?" "Who was your teacher?" Then I told them the whole story. "It seems just a short while ago that I saw an ad of the U. S. School of Music mentioning a new method of learning to play which only cost a few cents a day! Without a teacher! And no laborious scales or exercises. I sent for the Free Demonstration Lesson, and was amazed to see how easy it was to play this new way. I sent for the course and found it as easy as A, B, C!

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Pacific Time Stations

KFI Los Angeles, Calif. (467m-642kc) 7-8 p. m. program by students of U. S. C.; 8-9, KFI drama hour; 9-10, varied hour; 10-11, Johnston and Farrell's music box revue.

Eastern 7:30 WFAA (475.9m-630kc) Texas Ramblers orchestra. 8:05 WTIC (475.9m-630kc) Robert Burns anniversary program.

Educational Features Friday

Eastern 6:30 p. m. WYVC (526m-570kc) Elementary French lesson. 7:00 WDAF (365.6m-820kc) School of the Air.

FRIDAY, JANUARY 21

Headliners

Eastern 7:30 p. m. WFAA (475.9m-630kc) Durward Cline's Collegians. WTIC (475.9m-630kc) Austin Organ Recital.

FRIDAY, JANUARY 28

Headliners

Eastern 7:15 p. m. WTIC (475.9m-630kc) Piano selections, Laura C. Caudet.

WTAM, WWJ, KSD, WOC; 10, Whittall Anglo-Persians, WRC, WJAR, WTAM, KSD, WWJ, WCCO, WDAF, WGR, WGN, WEEL, WTAG, WCAE, WOC, WLIT; 10:30, orchestra; 11:30, orchestra.

Santa Clause; 7:30, Hotel Commodore dinner orchestra; 8, Sundaal Shoe Serenades & Bonnie Laddies; 9, Breyer Ice Cream hour, WRC will also broadcast; 10, Baldwin piano hour, WGY; 11, Paul Specht's Twin Oaks orchestra.

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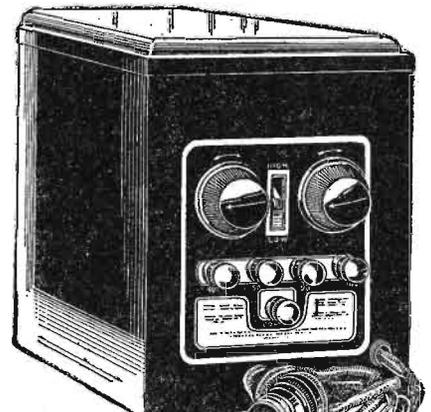
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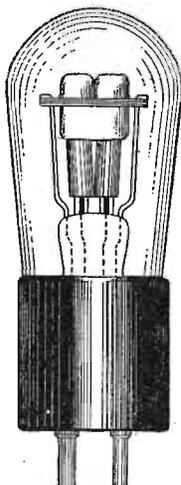
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WTAM Cleveland, Ohio (389.4m-770kc) 6 p. m. Emerson Gill's orchestra; 7, talk, Arthur Haas; 7:30, studio program; 9:30, WEAF; 10, WEAF; 10:30, studio program; 11, Jade Roon orchestra.

WTIC Hartford, Conn. (475.9m-630kc) 6:20 p. m. Hotel Bond Trio; 7:15, Laura C. Gaudet, organist; 8, program; 10, Emil Heimberger's Hotel Bond orchestra.

WWJ Detroit, Mich. (352.7m-820kc) 6 p. m. dinner concert; 8, Michigan life; 9, WEAF; 9:30, WEAF; 10, WEAF.

Central Time Stations

KFAB Lincoln, Nebr. (340.7m-880kc) 8:30-10:30 p. m. entertainment.

KFDM Beaumont, Texas (315.6m-950kc) band.

KMA Shenandoah, Iowa (461.3m-650kc) 9-11 p. m. Dreamers.

KMOX St. Louis, Mo. (280.2m-1070kc) 6:30 p. m. dinner program; 8, program; 12-1, dance music.

KOIL Council Bluffs, Iowa (305.9m-980kc) 7:30 p. m. program; 8, artists; 8:30, Drescher Brothers, Inc.; 11, frolic.

KSO Clarinda, Iowa (405.2m-740kc) 6:30 p. m. popular program.

KTSH Hot Springs National Park, Ark. (374.8m-800kc) 9:10-10:45 p. m. features.

KVOO Bristow, Okla. (374.8m-800kc) 7-7:30 p. m. Walter Schoggen, tenor; 7:30-8:30, Marie Gardner Swift; 8:30-9, Chickasaw Nightingale; 11-12, Knights of the Empty Skull; 12-1, Earl Thurston, organist.

KYW Chicago, Ill. (535.4m-560kc) 6:30 p. m. Joska DeBabary and his orchestra; 7, family hour; 9-10:30, classical concert; 10:30-12, Congress carnival.

WBAP Fort Worth, Texas (475.9m-630kc) 7:30-8:30 p. m. concert; 9:30-12, evening program.

WBBM Chicago, Ill. (226m-1330kc) 8, p. m. Coon-Sanders Night Hawks; 9-10, popular music.

WCCO Minneapolis-St. Paul, Minn. (416.4m-720kc) 6:30 p. m. St. Paul Association; 8, popular orchestra program, Nash-Finch orchestra; 9, WEAF; 9:30, program; 10:05, dance program, Nankin Cafe orchestra.

WCFL Chicago, Ill. (491.5m-610kc) 7 p. m. Breovort concert trio; 8, popular; 10, Alamo orchestra; 11-12, entertainers.

WCOA Pensacola, Fla. (252m-1190kc) 6:30 p. m. musicale.

WDAF Kansas City, Mo. (365.6m-820kc) 6-7 p. m. school of the air; 8-8:30, varied musicale; 8:30-9, WEAF; 9:30, WEAF; 11:45-1, Nighthawk frolic.

WEBH Chicago, Ill. (370.2m-810kc) 7 p. m. Edgewater Beach hotel orchestra; 9-10, Edgewater Beach hotel orchestra; 10-11, Edgewater Beach hotel orchestra, specialties.

WEMC Berrien Springs, Mich. (315.6m-950kc) 9 p. m. musicale.

WENR Chicago, Ill. (265.3m-1130kc) 6-7 p. m. Rauland lyric trio; 8-10, program; 12-2, midnight frolic.

WFAA Dallas, Tex. (475.9m-630kc) 6:30-7:30 p. m. orchestra; 8:30, program.

WGBF Evansville, Ind. (236.1m-1270kc) 7 p. m. Exide entertainers; 8, orchestra.

WGN Chicago, Ill. (302.8m-990kc) 6:10 p. m. Punch and Judy; 6:35, ensemble; 6:50, old-fashioned almanack; 8, musical program; 9, WEAF; 9:30, The Phantom violin; 10, Sam 'n' Henry; 10:10, The Music Box; 10:20, Bible readings; 10:30, musicale.

WHAD Milwaukee, Wis. (275.1m-1090kc) 6:15 p. m. organist.

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

WHB Kansas City, Mo. (365.6m-820kc) 7-8 p. m. Sweeney orchestra; Songsters.

WHO Des Moines, Ia. (526m-570kc) 7:30-8 p. m. program; 8-9, Headliner; 11-12, dance program.

WHT Chicago, Ill. (399.8m-750kc) 6 p. m. Al Carney; Eleanor Gilmore; Helen Rauh; 7:45 (238m-1260kc), Stuart Dawson; 9:30 (399.8m-750kc) program; 11, Al and Fat.

WIBO Chicago, Ill. (225.4m-1330kc) 6-8 p. m. evening musicale; 10-1, dance program.

WJAZ Chicago, Ill. (329.5m-910kc) 7 p. m. popular program; 8, highlights; 9, Shoreland; 10:30, Club Chez Pierre.

WJJD Mooseheart, Ill. (370.2m-810kc) 8-9 p. m. child artists; 11-1 a. m. Palmer House Victorians; Jack Nelson.

WLIB Chicago, Ill. (302.8m-990kc) 7-7:30 p. m. dinner concert; 7:30-8, WEAF; 11-12:30, organ, orchestras.

WLS Chicago, Ill. (344.6m-870kc) 7 p. m. May and June; 7:15, trio; 9, orchestra; 9:15, trio; 10-12, Show Boat.

WMAQ Chicago, Ill. (447.5m-670kc) 6 p. m. chimes; 6:30, Wide Awake club; 8, musicale; 9, musicale.

WMBB Chicago, Ill. (249.9m-1200kc) 7-8:30 p. m. old home songs; 8:30-11, frolic.

WMC Memphis, Tenn. (499.7m-600kc) 7:30 p. m. syncopators; 8:30, Cooper Cord entertainers; 11, frolic.

WOAI San Antonio, Tex. (394.5m-760kc) 8:30-9:30 p. m. musical program.

WOC Davenport, Iowa (483.6m-620kc) 7:30-8:30 p. m. Moorman Melody Mixers; 8:30-9, WEAF; 9-9:30, WEAF; 9:30-10:30, lecture; 11-12, orchestra.

WOK Chicago, Ill. (238m-1260kc) 6-7:45 p. m. string ensemble; 8-9 (217.3m-1380kc), theater program; 9:30-12 (238m-1260kc), syncopators.

WORD Chicago, Ill. (275.1m-1090kc) 7 p. m. North Shore line; 7:45, World News digest; 9, station program.

WOS Jefferson City, Mo. (440.9m-680kc) 7:15 p. m. Radio Bible class, talks; 8:20, musicale.

WOW Omaha, Nebr. (526m-570kc) 7 p. m. talks; 7:30, educational period; 9, classical; 10, Oklahomans.

WQJ Chicago, Ill. (447.5m-670kc) 7-8 p. m. Rainbo Gardens orchestra; 10-2 a. m. Rainbo frolic.

WRR Dallas, Tex. (245.8m-1220kc) 6 p. m. program; 8, band.

1927 DELUXE: THE FINEST SUPER

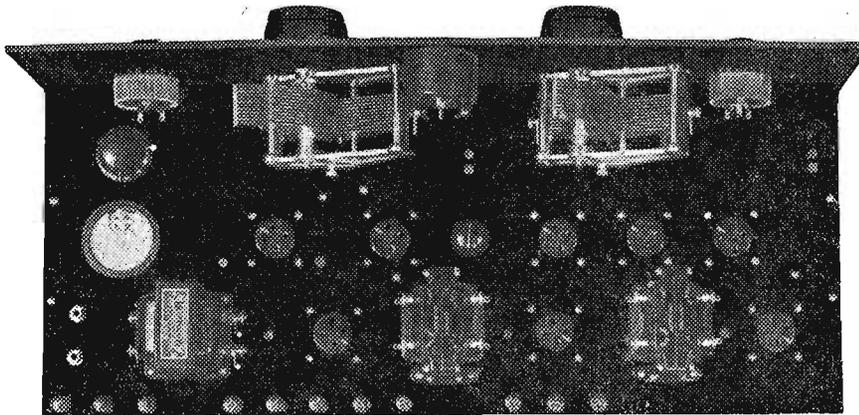


Figure 3—Top View of Assembled Receiver, Showing All Parts in Place

deluxe receiver we will use the 0-8 volt-meter and 0-25 milliammeter. This range milliammeter is recommended as most builders will put a 371 power tube in the last stage and, when checking distortion with this meter, it must carry the load of the 371.

Frost Parts of Quality

Just how the Frost organization does it is not known to me, but they turn out astonishingly good apparatus at most fair prices. Their Bakelite frame rheostats and potentiometers are both well designed and plainly carefully made. So is the 500,000-ohm variable modulator for controlling volume.

Now right there I'm going to get a lot of argument as to why have a volume control on a super which has a potentiometer. As a rule one controls volume with the latter instrument. From long experience with supers I've found that quite frequently one gets balance of adjustments, including that of the potentiometer and intermediate tubes' rheostat, where

music and background noises are balanced in favor of the former, and I hate to disturb the potentiometer. That is the chief and, I believe, satisfactory, reason for using a 500,000-ohm resistance across the first Ferranti. The power of the Ferranti's is another reason.

The object in the two Frost push-pull switches will be apparent later.

Dependable Sangamo Condensers

While only two small fixed condensers are used in my design they are both in important points where it is essential that they do not vary. A .006 mfd. size is used in the St. James oscillator hook-up and the usual .00025 mfd. is placed in the grid lead to the second detector. Sangamo gets the choice because they are entirely enclosed in sturdy Bakelite casings which not only protects the material within from mechanical injury but keeps out moisture, the greatest enemy of consistent condenser operation. Sangamo are the only condensers made in this way.

Getting into the large by-pass sizes, we will also use Sangamo because not only my own experience, but that of many of my engineer friends, shows that they do not break down and their claims for a special winding operation must be well founded. These units will take anything we can give them in a super, with or without power tube.

Getting Down to Layout

It requires quite a bit of "playing

checkers" with the parts to secure a super-heterodyne layout that gives symmetry on the front panel without loss of efficiency. The tuning elements are working entirely in conjunction with the first two tubes and, if the set is built as a straight eight, this puts the condenser dials at one end and only a knob or two at the other end.

When moving parts around on the drawing board in designing this receiver, it was at once apparent that everything could not stay on top of the sub base unless a straight eight arrangement were used and, since that was not what I wanted, considerable thought was immediately put on the subject of what could be put underneath. The St. James transformers and oscillator were the only units small enough and the result is shown in the photographs.

From then on the problem was comparatively simple since the second detector and audio amplification went across the back, the intermediate amplification went in at the left end and the first detector and oscillator dropped into the center where wanted. They had to be close to the center so as not to get too far away from their tuning condensers. The potentiometer, volume control and intermediate tubes' rheostat are, naturally, front of panel controls but the oscillator rheostat is placed within on the sub base where it can be adjusted occasionally and left.

Oscillator Control

It has been my experience that an oscillator should have at least one variable feature; that is, either the grid bias, plate voltage or filament brilliancy should be under control. The last named is most easily varied, hence the rheostat on the sub base. A point in its adjustment will always be found where reproduction is both loud and clearest.

An output transformer is essential in these days of high B voltages and cone speakers so it is placed at the right end where its input terminals are adjacent to the P terminal of the last tube socket while its output posts are close to the right edge of the sub base and a pair of cord tip jacks. The location of all binding posts will be clear on wiring although at first glance the reasoning behind their placing may not seem clear.

Complete constructional details will appear in the next issue of Radio Digest which will give time for those builders who live in small communities and on farms to write to a larger city and have the parts all ready for work. Construction is not hard if you'll just follow directions to the letter, although this is a large set.

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

WSBC Chicago, Ill. (288.3m-1040kc) 6:30-7 p. m. dinner program; 9-1, entertainers.

WSOE Milwaukee, Wis. (245.8m-1220kc) 7 p. m. popular program; 8, Library review; 8:15, Whozit.

WSWS Chicago, Ill. (275.8m-1090kc) 6 p. m. dinner hour program; Terrace Garden orchestra; 8, recital; 10, Mildred Colocio, blues singer; Terrace Garden orchestra; 12, Witching hour program; Terrace Garden orchestra.

Mountain Time Stations

KOA Denver, Colo. (322.4m-930kc) 8 p. m. KOA orchestra; 8:15, studio program.

KOB State College, N. M. (348.6m-860kc) orchestra.

Pacific Time Stations

KFI Los Angeles, Calif. (467m-642kc) 7-8 p. m. popular program; 8-9, program; 9-10, semi-classical hour; 10-11, Packard hallad hour.

KFWB Hollywood, Calif. (252m-1190kc) 6-7 p. m. Pontiac dinner hour; 7:50, news; 9-10, Bill Hatch and his orchestra; 10-11, Warner Brothers frolic.

KGO Oakland, Calif. (361.2m-630kc) 6-6:55 p. m. Stanislas Bem's Little symphony; 8-9, program.

KGW Portland, Ore. (491.5m-610kc) 6-7 p. m. dinner concert; 8-8:30, KGW movie club; 8:30-10:30, dance music; 10:30-12, frolic, Hoot Owls.

KHJ Los Angeles, Calif. (405.2m-740kc) 6-6:30 p. m. White King male quartet; 6:30-7:30, children's hour; 8-10, feature program; 10-11, Marigold Gardens dance orchestra.

KLX Oakland, Calif. (508.2m-590kc) 8-9:30 p. m. special program; 9:30-10:30, Athens Athletic club orchestra.

KMTR Hollywood, Calif. (370.2m-810kc) 8-9 p. m. ensemble; 9-10, dance music; 10-12, dance music.

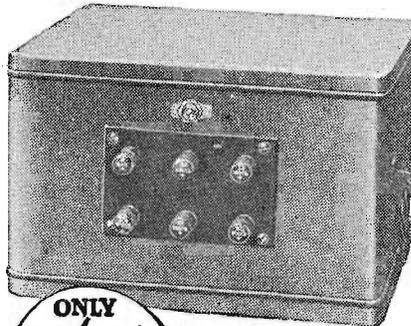
KNX Hollywood, Calif. (336.9m-890kc) 7 p. m. feature; 8, 9, 10, features; 11, Hotel Ambassador.

KPO San Francisco, Calif. (428.3m-700kc) 6:30 p. m. State Restaurant orchestra; 8-9, orchestra; 10-11, orchestra; 11-12, dance orchestra.

KWSC Pullman, Wash. (348.6m-860kc) 7:30 p. m. concert, talks.

Friday, silent night for: CFCA, KCAC, CKNC, KFDY, KFNF, KLDS, KPRC, KFSN, KUOA, KWWC, WBBR, WCAD, WCBD, WFI, WGBS, WIP, WJAZ, WKRC, WLIT, WLW, WLWL, WREO, WSAI, WSMB, WSUI, WTAM.

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"GOODY GOODY" GIRL

(Continued from page 8)

She noted that he looked it, too, before he came and stood beside the creaking rocker in which she had seated herself.

"Herbie Coles, I saw you smash that window down the street," she said.

He started, then he shrugged and laughed shortly. "You didn't see me a moment ago, wolfing down that bit of food I stole."

"What's brought you to such a pass—a place like this, starvation? I thought Victor Jermin—"

"Jermin washed his hands of me, for bungling that night the copper got you. Seems like I bungle everything. I've had a job or two since then. Lost them all. I'm no good. I can't do anything right. I was never taught to do anything. For the last two days I've had nothing to eat. Tonight I was desperate and—now I am a thief."

She started to open her purse. "I've only a few dollars between me and the streets, too. But I can spare—"

"No," he spoke sharply. "I haven't gotten that low yet. I may be an adde-pated incompetent, as one of my temporary bosses informed me in no uncertain terms; I may be a cad, as you are in position to testify; I may be starving and tomorrow, when my rent's up, I'll be thrown out of even this hole, but—I can't take your money. I—"

He broke off as steps sounded in the hallway. Then there was a knock upon the door. He stood biting his lips, his eyes darting from side to side as a trapped animal's eyes might dart, seeking a way of escape.

"It's the police, no doubt, looking for me," he whispered. "Come. You mustn't be found here or they'll take you, too."

He whipped off the soiled coverlet from the bed, snatched the sheet that lay beneath it, knotted their ends together and beckoned her to the window.

"Hang on to this—tight," he said, thrusting one end of the improvised rope into her hands. "Let yourself over the edge slowly, carefully. I'll play out the thing and let you down gradually. Once you're on the ground—run like hell."

The knocking upon the door was resumed. "Hurry," said Herbie and gave her a little push. "They'll probably batter the door in next. I'll answer them now, so they won't send someone around to watch under here." He faced the door. "Hello. I'll be there in just a minute," he called.

Then he turned back to the window and helped her over the edge. "All right?" he asked.

"Yes," she gasped and felt herself being lowered away.

Then there was a sharp jerk upon the improvised rope, she glanced fearfully upward to see the knot that held sheet and

coverlet together come apart, caught a glimpse of Herbie Coles' horrified face in the window, felt herself falling, landed with a thud and unconsciousness blotted out everything.

Lois came to, she did not know how much later, to find herself in a cool, white bed, with a plainly recognizable nurse and a bewhiskered individual standing beside her.

"I'm in a hospital?" she asked faintly. "Yes," the nurse replied, "and this is the doctor."

"Am I hurt badly?"

"Oh, no." It was the doctor who spoke now. "Your leg's broken, that's all. You'll be out again in two or three weeks."

He turned to the nurse. "Give her a hypodermic and let her go to sleep," he ordered and started out of the room. Beyond the door she heard him speaking again: "She's alright now. Conscious and not in any pain. No, you can't see her. Tomorrow, perhaps, but not tonight."

In the next and final chapter you will see what destiny brings to the Goody Goody Girl of Paradise. Will she marry, and whom?

PEOPLE VOICE OPINIONS

(Continued from page 3)

sympathy with the letters, else it would not publish them, began to write in praising one or both stations highly. Other readers, favoring the criticisms, sent in new complaints against Shenandoah.

To bring the discussion to a head, Radio Digest, without taking sides, is herewith presenting excerpts from many of the best letters on the Shenandoah issue. Needless to say, the arguments could probably go on forever without coming to a conclusion.

For KFNF, KMA and KTNT

"Please do not send me any more of your literature as I would not subscribe for the Radio Digest under any consideration. The majority of the American public are not in sympathy with your ideas and your way of writing of such fine stations as KFNF and KMA. KTNT is a fine station and the owner, Norman Baker, a wonderful speaker and one who is doing a great deal for the Americans who love their country."—E. K. M., Webster, Ia.

"Leave KMA on the same wave length, 461. If you do anything, change some of those Chicago stations. They give us more interference than any other stations on the air."—R. W., Arnold, Kans.

"The 'Brickbat for Shenandoah' almost makes me laugh. J. P. must have a Radio

very poor in selectivity, as KFNF and KMA are very easily tuned out with my machine. . . . Listen to some of these Shenandoah talks, Brother, and it will do you good. If you can't tune them out, shorten your aerial or fix your machine."—C. P. D., St. Paul, Minn.

"KFNF Sells to Unsuspecting Farmers"

"KFNF, Shenandoah, persists in using the air from seven a. m. until midnight (dividing time with KMA) on a prominent wave, selling dress goods, shoes, batteries, automobile tires and clover seed to unsuspecting farmers who hear his prayers, then remit their checks for merchandise to him, forgetting all about their local retail establishments who have millions invested and often carry the farmer on credit. These farmers could often do better by reading their mail order catalogues."—A. B. L., Council Bluffs, Ia.

"As regards the two Shenandoah stations, the trouble is mostly their long schedules of nothing but 'hot air.' We appreciate your efforts in behalf of better things."—E. O., Parkersburg, Ia.

"KMA and KTNT interfere seriously with WJZ, New York, and the two stations should certainly be put on a different wave length."—R. J., Kansas City, Mo.

"Neutral" Letter to Henry Field

The following is excerpted from a letter from Dalhart, Texas, to Mr. Field, a copy of which was sent Radio Digest for publication:

"I admire your stand on prohibition . . . enjoy your religious services . . . but deplore the fact that you jumped from the wave length originally assigned you to one which causes serious interference down here (Dalhart, Texas) with KFI, Los Angeles, which was on the air long before your station was put into service. KFI has consistently furnished splendid programs ever since it started . . . I also deplore the language used by some of your critics in a recent issue of Radio Digest, and a copy of this letter is going to Radio Digest as a protest against that method of criticism . . . I do not believe you had the moral right to leave your originally assigned wave length when by so doing, you impaired the splendid service being rendered by broadcasting stations that were on the air before you

were . . . You referred to your critics as a 'small but noisy minority' in your remarks this morning, and I hope this is true of those who are guilty of offensive criticism; but I am sure that the majority of listeners who are bothered by interference from your station, sincerely feel that you made a mistake when you changed to your present wave length."—A. C. J., Dalhart, Texas.

For Shenandoah, but Against Selling

"I think the Shenandoah stations send out very good programs, just as good as WJZ. My complaint is that WJZ is messing up KFNF and KMA . . . I do not think that it is a good policy, however, to advertise directly over the Radio, as music and songs are more enjoyed than the price of tires, Radios, seeds, plants etc."—A. E. A., Fullerton, N. D.

"Those who listen to KMA and KFNF help feed the world. Some of those stiff necks who haven't energy to feed themselves, let them have their highbrow stuff after the backbone of our country has gone to bed."—C. H. W., Fulton, Ark.

"We like the Henry Field station and KMA best of all the stations on the air. We don't get much interference only at

(Continued on page 30)

Write For
Hampton Wright's
Radio
Economy Catalog

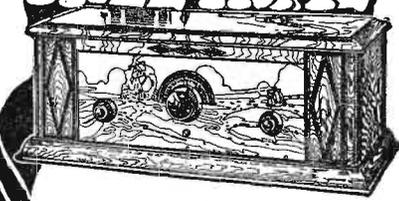
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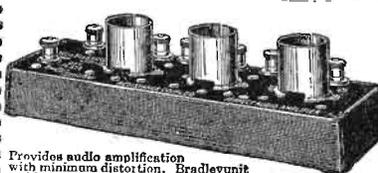
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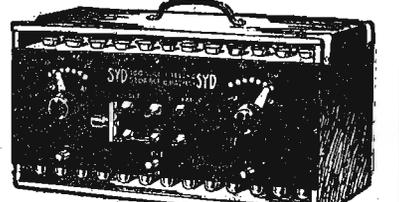
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POWER AND DISTANCE
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Marvelous newly-invented ground gives 100% improved reception. Doubles power and distance. Stops leakage. Reduces static. Stops jangling even in midsummer. Results never before equalled, users say. Satisfaction guaranteed.

Proven absolutely essential to clear, powerful distance reception. Draws and holds moisture indefinitely. Highly sensitive to radio energy. SEND NO MONEY—To introduce, we offer to those who act at once, regular \$5.00 size for only \$2.00. Send name today and pay \$2.00 plus 17c postage on delivery. Or send only \$2.00 with order and save postage.

FREE—Full description of Ground Hog and amazing special low priced battery offer on request—write today.

Yale Specialty Supply Co.
123 W. 5th St., Kansas City, Mo.

HOW TO FIX SETS FOR BEST RESULTS

By "KING MILO" GURNEY

Part II.

The tuning of a Radio appears to be either a lost art or one which has not been mastered by many operators. What not to do rather than what to do, appears as pertinent to the subject. I shall therefore describe the method I would use for the tuning of a receiver and as the major portion of sets up to this season comprise three dials, this type shall be used as an example.

After plugging in the loud speaker and lighting the tubes, tune in a nearby station using any method which may suit your fancy. Then proceed as follows:

You may or may not know which one of the little knobs regulate the detector tube. If you do, with the station still tuned in, turn this control knob to the left as far as it will go without decreasing the signal strength. Once you have determined this point, mark it and promise that forever after it will not be moved from this position. Why? Because this is the point where the detector tube operates best. If your receiver fails to function satisfactorily at a later date without readjusting this control knob, you may rest assured that either your A battery needs recharging, your B battery needs replacing or the detector tube requires renewal.

The next step—with the station still tuned in—is in a like manner that of adjusting the knob which controls the tubes preceding the detector. Again you may not know what knob controls those tubes but this can readily be determined if you will consult the direction booklet which came with the receiver. We still have another adjustment to make. It concerns the knob which controls the remaining tubes which are known as the "output" or "audio."

Very often one will find that a decided improvement in quality will be secured by adjusting each of the control knobs mentioned, and it is most important that once they are adjusted, that they be left alone.

Readjusting these knobs just because a station doesn't come in to suit you is as dangerous as the continued tinkering with the carburetor of your car. Leave them alone, Neighbor. Fooling with them merely scrambles your results.

Next in line, if your antenna system is longer than 75 feet, you have a fine job of antenna shortening next spring. Not now, it's too cold.

How to "twist" Dials

Now detune the set, starting with the three dials at zero and we will see if we cannot tune in again the station we were just hearing—with much less effort.

Set the center dial at 50. This applies irrespective of the station you desire to receive. The first and third dials should now be slowly rotated through the scale until you hear a whistle. This whistling will vary from a high to a low pitch. With the whistle sounding, carefully turn the dial furthest to your right, a few degrees both to the right and left. In doing this it will be noticed that the whistle at some setting of the third dial will arrive at a low pitch. Once you have reached this point, forget any further tuning of this dial.

Repeat with the first or left dial.

Your next procedure is that of adjusting the middle or second dial which will be found as very closely approximating the setting of the third. There will now be music in the air. In general, a slight further adjustment of the first dial will be all that is required.

There you are, Brother! This method

naturally does not hold for each type of receiver, but will be found effective eight times out of ten. It at least has the advantage of preventing your doing your darndest to mess up the air.

Why Tune This Way?

Many may wonder why I suggest leaving the middle or second dial at fifty while tuning the other two. Well, neighbor, you shall know. In truth the second or center dial could possibly as well be left at zero. If the antenna, with its associated coil which is tuned with a condenser, is tuned to a station, the wave length to which it is tuned will dominate the second coil sufficiently to pass through it as though it were not tuned at all. Therefore with the exception of delicately balanced receivers, the tuning of the second dial may be left to the last.

The day is not distant when manufacturers of Radio receivers will install automatic filament controls for the regulation of each tube in one's receiver. When this day arrives—a heap of poor reception, interference complaints and what not will disappear, because your mania for twisting dials will then have been denied you.

Remember, patience is just as great a virtue in tuning as in other enterprises. If you don't like a station, tune it out. If you can't, learn which one of your neighbors can, and take his good advice.

SHE IS CHILD PRODIGY

(Continued from page 5)

carries on a conversation with her playmates and elders with precise English and a vocabulary that is little less than astounding. Recently she passed some screen tests for one of the largest American producers and was pronounced a "find." She has a vivid imagination. The director tells her the situation and she goes through the "business" with the fidelity of reality.

Called upon to entertain, Phyllis evolves her own presentation. She has been introduced to several Radio audiences in Atlantic City and New York. For such occasions she generally sings. If she does not remember the right word she substitutes another that serves just as well. Psychologists have taken a keen interest in this unusual little person. She is rated as a fourteen-year-old. Her mother and her father are both of cultured families, and Phyllis seems to have inherited the best of the two races.

KHJ CHILDREN'S HOUR

(Continued from page 5)

these three well-known artists have appeared for the past several years that they were recently compiled into book form beautifully illustrated and met with great popularity among the admiring friends of Radioland.

Queen Titania Elflike

Queen Titania, whose sweet voice has carried many a youngster into the realm of fairy castles and fairy folks, is herself a most elflike little lady to meet, with her fair fragile beauty and head of blonde curls.

Another attraction of the children's hour is the impromptu talk between Uncle John and little Richard Headrick whose photograph accompanies this story. The picture shown here is reproduced from a beautiful oil painting which hangs in the broadcasting studio as the gift of appreciation from an artist friend of Radioland.

Nor must we forget the sweet contralto singer of beautiful lullabies and children's songs, Lenore Killian, known as the Lullaby Girl.

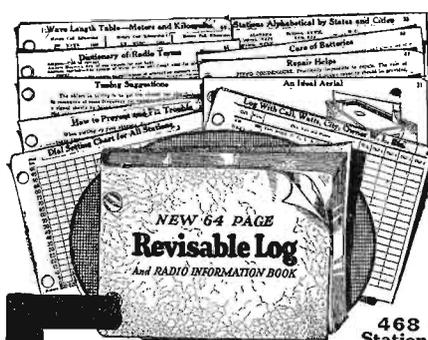
Even Dogs Have Hour

Then, too, little boys who are lovers of dogs also come in for their share of attention. For there is the nightly interesting talk by H. M. Robertson, the dog man or "dog fancier," as he is called, who tells the boys and girls about the latest style in canines and how to feed and care for them.

The lessons in history by the Radio Historian, Professor Silvester Hertzog, have likewise become a feature of the children's hour which is conducted daily from 6:30 to 8 P. M. Pacific time.

KHJ is the only broadcasting station in Los Angeles which has inaugurated with such success this pleasant custom and thousands of little ones in the course of a year make pilgrimages to the Radio home of Uncle John and KHJ on the top floor of the big Times Building to pay their respects, as evidence of sincere appreciation.

Dials which will not hold their settings but turn of their own accord, may be conditioned by glueing felt on their rear surfaces. The friction of the felt against the panel prevents the dial from slipping.



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To introduce our new 64 page automatic loose leaf Log and Data Book into more communities, for a limited time, we make the special free offer below to 1 person in each neighborhood.

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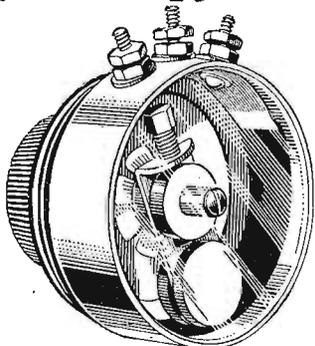
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Dept. R.D.-9, 50 Franklin Street, New York City



The "SELF-ADJUSTING" Rheostat

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FROST-RADIO SUPER-VARIABLE RESISTANCES Are Specified in the 1927 DE LUXE Super

THESE amazing new Frost-Radio Super Variable Resistance Units were selected for the 1927 DE LUXE Super because they give closest possible control—have no wearing parts—look better—last longer—and insure perfect results. The exclusive Frost-Radio roller contact arm eliminates wear on resistance strip—operates with wonderful smoothness—makes close regulation easy. All brass case—richly nickel plated—Bakelite pointer knob. Ask your dealer for No. 895, 500,000 ohm Frost-Radio Variable High Resistance Unit for your 1927 DE LUXE SUPER. List \$1.25.

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- For your 1927 DE LUXE Super the following Frost-Radio parts have been specified. Your dealer has them. Order them from him today.
- 1 No. 895 500,000-ohm Variable Resistance Unit, List.....\$1.25
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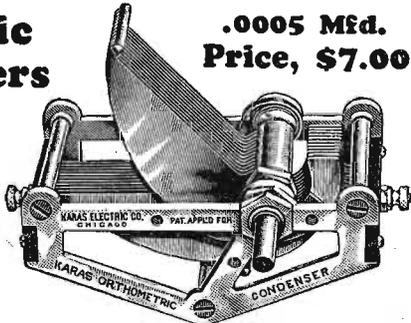
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SELECTED FOR THE 1927 DELUXE SUPER

Karas Orthometric Variable Condensers

were chosen for the new, powerful 1927 DE LUXE 8-Tube Super because they have the lowest losses of any condensers made—have absolutely straight frequency line characteristics—have no measurable resistance—and because they are the finest variable condensers on the market. Two .0005 mfd. Karas Orthometric Variable Condensers are specified in the list of DE LUXE parts. To insure best results be certain to use these marvelous condensers in building your super. Karas Orthometrics separate ALL adjoining wave-lengths by equal divisions on the dial. There is no crowding or bunching of stations. This results from the scientific eccentric form and position of Karas Orthometric rotor and stator plates.

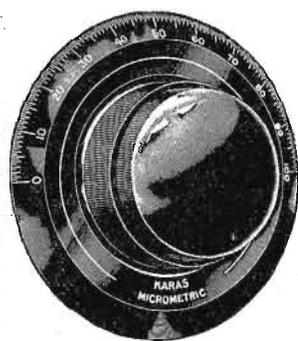
Karas Orthometrics are as finely made as a high grade watch. We use only the finest quality brass throughout in making these condensers. Plates and frame are die stamped and braced so as to give permanent, unvarying alignment. All stator and rotor plates are soldered at every point of contact. Body capacity effect is eliminated by grounded rotor plates and frame. Cone bearings give wonderfully smooth operation, and hard rubber dielectrics eliminate all absorption losses. To get BEST results from your DE LUXE Super be sure to use Karas Orthometric Variable Condensers. Your dealer has them or can get them for you. Price, .0005 mfd. capacity, each, \$7.00.



.0005 Mfd. Price, \$7.00

Karas Micrometric Vernier Dials

were found by the DE LUXE designers to give most remarkable results in close tuning, so they selected them for this great super. The 63 to 1 vernier ratio (1-1,000th of an inch precision) enables super owners to tune as close as a split hair—bring in stations never before heard—achieve results utterly impossible with any other dial made. These remarkable dials are made entirely of Bakelite, with the exception of gearing. They have a special non-slip, anti-backlash gear train that we developed after a year's research. Micrometrics cannot slip, nor can any backlash ever develop. You'll like them—you'll recommend them to your super owning friends—when once you experience their tremendous value for close tuning. You can get Karas Micrometrics at your dealers for \$3.50 each. Order two for your DE LUXE Super today.



SEND NO MONEY -- JUST MAIL THE COUPON

All good dealers everywhere can supply Karas Condensers and Dials. If your dealer is out of stock due to heavy demands and if you are in a hurry you can order direct from us if you wish. Just fill out and mail the coupon.

SEND NO MONEY. Simply hand the postman the price of the condensers and dials plus a few cents postage. Mail coupon today to make sure of having these Karas parts in your DE LUXE.

KARAS ELECTRIC CO., 1071-S Association Building, Chicago
Please send me 2 Karas .0005 mfd. Orthometric Variable Condensers, price \$7.00 each, and 2 Karas Micrometric Vernier Dials, price \$3.50 each. I agree to pay postman \$21.00, plus postage, upon delivery. It is understood that if I am not entirely satisfied within 30 days you will refund purchase price upon return of these parts to you.

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Silent "B" Power with World Radio Storage "B" Battery
Lasts Indefinitely—Pays for Itself
Dependable. Quiet "B" power, clear without "hum." Economy you have never before thought possible. Convenience. Outstanding performance. Recharged for almost nothing. Solid rubber case insures against leakage or acid. Extra heavy glass jars. Heavy rugged plates. Approved and listed as standard by Pop. Lab., and other Radio authorities.

Extra Offer: 4 Batteries in series (96 Volts) \$10.50.
SEND NO MONEY! Just state number of batteries wanted and we will ship same day order is received. Pay expressman after examining batteries, 5 per cent discount for cash with order. Send your order today—NOW!

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Makers of the Famous World Radio "A" Storage Battery
Prices: 6-volt, 100 Amp. \$19.50; 150 Amp. \$23.50; 210 Amp. \$28.25.
All equipped with Solid Rubber Case.

World STORAGE BATTERIES
Set your Radio Dial for the new 100-watt World Storage Battery Station, WSBG, Chicago. Always something interesting.

PEOPLE VOICE OPINIONS

(Continued from page 28)

night, and then we hook onto our inside aerial and cut out those high-powered stations. They don't please farmers anyhow." —W. N., Greentop, Mo.

KFNF Asks for Opinion! Here It Is

"At the close of the morning worship period . . . Henry Field asked friends to write you and let you know what they think of his and May's station, KMA. Well, here it is, from one who has been a listener for a long while before the Radio public ever thought of two seed houses monopolizing the ether from 6:30 a. m. till the wee morning hours. . . . If they would observe the Golden Rule, they would not advertise everything from sparrow traps to wave traps. . . . Thought they were seed houses. . . . Wonder how long we will have to let the two stations make a fortune, and have the pioneers stand back and be gentlemen, and let Shenandoah have the best wave on the air?"—H. H., Ogden, Ia.

"You are to be commended for trying to put Henry Field off the air. KFNF uses the mantle of religion as a cloak for its advertising."—G. McN., Cherokee, Ia.

The following paragraph comes from a copy of a letter addressed to KFNF:

"The sole purpose of your station is for the advertising of your mail order house, and not for entertaining the public. . . . You pirated the wave you are now on, your programs are terrible, and you ruin good programs by heterodyne squeals. Do you call that bettering Radio?"—A. E. W., Iowa Falls, Ia.

Who Won't Print This?

"There's room on the air for someone besides those high-powered stations of the east, and all they think about is jazz and opera singers. . . . I know you won't print this for you are afraid. It's the truth that hurts. I say three cheers for Henry Field and all of our other good western and middle-western stations."—G. T., Denison, Ia.

Their reverent morning worship at KFNF enables many to start the day right. . . . Ours is supposedly a free country where we enjoy freedom of worship and speech. Let us have freedom of the air."—I. E. M., Edina, Mo.

"They (KMA and KFNF) give us many things we like and would not get from stations further east. . . . We like the friendly talks, good old songs, readings, etc., that our western stations give us.

CLASSIFIED ADVERTISEMENTS

DOGS

Beautiful registered bull pups, \$15. Bull-dogs, 501 Rockwood, Dallas, Texas.

HELP WANTED

Earn \$25 weekly, spare time, writing for newspapers, magazines. Experience unnecessary. Details FREE. Press Syndicate, 1269, St. Louis, Mo.

We pay \$48 a week, furnish auto and expenses to introduce our Soap and Washing Powder. BUSS-BEACH COMPANY, Dept. A-186, Chippewa Falls, Wis.

PATENT ATTORNEYS

PATENT ATTORNEYS

PATENTS. Booklet free. Highest references. Best results. WATSON E. COLEMAN, Patent Lawyer, 724 Ninth St., N. W., Washington, D. C.

RADIO

NEW RADIO WITHOUT BATTERIES. Why waste several hundred dollars when you can get all the radio you want on a Lambert costing only \$2.95 postpaid. Big stations 600 miles away come in loud. Needs no tubes or batteries. 250,000 homes already have them. Order direct from this adv. Crystal Radio Company, Wichita, Kan.

Headphones and Loud speakers repaired. Sam T. Sherrill, Smithville, Texas.

1,000-mile crystal hookup. Prepaid, \$1.00. Distance, 224 Conger St., Waterloo, Iowa.

Radio Consoles. Booklet sent upon application. J. A. Kelly Co., Clinton, Iowa.

For Sale: Sacrifice standard five tube receiver, \$20.00. Free trial. Write: F. Meek, Rockbridge, Ill.

Chokes and transformers for eliminators, \$1.00 up. Write for list. Radio Parts Sales Co., Box 24-A, Orange, N. J.

Ninety-Ampere Hour Storage Battery, \$7.77. Guaranteed one year. Chickasaw Battery Co., P. O. Box 2551, Memphis, Tenn.

Prove your reception by the most practical and convenient method: Proof of Reception Cards. Contains spaces for complete reception record, dial settings and signature of announcer. Handy size, 3x5 inches. Send 25 cents for sample package. Radio, 2617 Hollywood Ave., Chicago.

Is changing to another wave any more than adopting superpower by eastern stations, when these stations were not supposed to go above 5,000 watts?"—W. J. L., Freeman, Mo.

Space Prohibits Further Views

Lack of space prohibits publishing more of the interesting views for and against one or both of the Shenandoah stations, KMA and KFNF. Radio Digest would have liked to have published all of these, especially those letters supporting Shenandoah, for evidently many listeners and readers have obtained the idea that "The Reader's View" column of this publication reflects the sentiments and policies of the publication.

NEW INFRADYNE KIT ALL GENUINE PARTS IN STOCK NOW! WHOLESALE CATALOG Listing thousands of new radio parts, kits, furniture, accessories and complete radio sets, at prices that save you money. Write for your copy now, it's free. Dept. 6, THE HARCO CO., 1255 S. Wabash Ave., Chicago, Ill.

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Amazing New 5-Tube Radio At Very Small Cost Improves Reception 100% New York City, N. Y., Jan. 15.—Lieut. Sterling G. Sears of the U. S. Naval Reserves has perfected a marvelous new 5-tube Radio that improves average home reception about 100%. Due to special features, this Radio is extraordinarily selective and powerful, easy to operate, very economical on Battery consumption—and costs only about one-third of the usual price of 5-tube machines. Perfect satisfaction absolutely guaranteed, and a 10-day Free Trial offered to all who wish to try it. Full information together with reports of tests made by experts will be sent FREE to all who write at once to Geo. W. Naylor, Jr., Dept. 157K, 161 Chambers St., New York City. Write today—no obligation!

Bradleyometer THE PERFECT POTENTIOMETER Uses graphite disc resistors which are noiseless and not affected by atmospheric conditions. Metal parts are nickel plated. One hole mounting. Finish and knob match Bradleystat. Made in 200 and 400 ohm ratings. Allen-Bradley Co. Electric Controlling Apparatus 290 Greenfield Avenue Milwaukee, Wis.

This is not true. The column is edited, but letters from readers seeming to voice the opinions of the majority are given space, which is always at a premium. For the policy of the paper—read the editorial column. "The Reader's View" is, as the title indicates, purely the sentiment of the reader.

Letters supporting and favoring the Shenandoah broadcasters, but which were more or less like those appearing above and therefore were not printed, came from Eureka Springs, Ark.; Churchman, Clarion, Decorah and Griswold, Ia.; Abilene, Antelope and Humboldt, Kans.; Eggleston, Minn.; Worth, Mo.; Falls City, Omaha, Ravenna and Sargent, Nebr.

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Radio Reception Improved 10% to 50% for ONLY \$1.00 Send for it TODAY MONEY BACK GUARANTEE Easily installed in place of your present ground. No Radio Set complete without it. Indorsed by Radio listeners everywhere. YOU TAKE NO RISK—ACT NOW PEEDIN RUBBER & RADIO CO. SHERIDAN, WYOMING

Do They Like "Radex?" "It has proved invaluable; have nearly worn it out, but am still tuning in stations by it."—Mrs. S. M. Nuttall, Prospect, Ky. "Unquestionably the best tuning device published. More convenient to handle, to record stations, to find its contents, than any other I have seen and I have seen a few."—John Milward, Lexington, Ky. "Sincerely believe RADEX best logging method I have ever used or seen. I am fortunate to own a book so well arranged."—A. B. Cameron, Bucyrus, Ohio. "I have used four systems of logging, but your wonderful little RADEX is far superior to any of them. I've located many elusive stations by using RADEX."—Fred K. Davenport, Detroit, Mich. "It is the greatest help I ever had in locating stations. In fact, most of my stations have been logged directly from RADEX."—N. E. Naldrett, Middleton, Mich. "With RADEX I get more stations."—Ethel Simmons, Perrysburg, Ohio. "After using RADEX two seasons, I find it to be the most complete radio index I have ever seen."—H. C. Dukes, Memphis, Tenn. SEND 25c, coin or U. S. stamps, and make tuning a real pleasure. The Radex Press, P. O. Box 143-CX, Cleveland, Ohio

6 Volt STORAGE RADIO "A" BATTERY \$5.00 C. O. D. Send No Money Most amazing battery value ever offered! A genuine World 6-volt Radio "A" Battery with 25 ampere capacity for only \$5! It is just the thing for Trickle charger. Famous World Quality assured. Equipped with Solid Rubber Case An assurance against acid and leakage. Order shipped same day—subject to your examination on arrival. Extra offer: 5% discount for cash in full with order. ACT TODAY! WORLD BATTERY COMPANY 1219 S. Wabash Ave. Dept. 148 Chicago, Ill.

"B" BATTERY ELIMINATOR Only \$7.95 MONEY-BACK GUARANTEE No more worry with "B" Batteries! Hook up a Roll-O "B" Battery Eliminator and forget battery troubles forever. This wonderful new invention means better reception, sharper tuning. Gives you more real pleasure from your set. Completely Equipped—No "Extras" to Buy Operates perfectly on direct or alternating current, giving up to 90 volts current, and using the full wave of the power supply. Simple directions enclosed anyone can plug it in to any kind of set up to six tubes. Constant voltage gives set more power. Costs no more than set of good "B" Batteries. Solidly built in beautifully finished metal case, with genuine Bakelite top. SEND YOUR ORDER NOW Don't blame your set because run down "B" Batteries won't let it work right. Order your Eliminator NOW. Write name and address on a piece of paper, pin a dollar bill to it, and mail it TODAY. Pay postman balance (\$8.95 plus a few cents postage) when he delivers your Eliminator. Use it ten days. If not more than satisfied, return it and get your money back. THE ROLL-O RADIO CO. Dept. Z-7, 3d & Sycamore, Cincinnati, O.

Your New Radio Set Get Your Money's Worth of Local and Distant Programs Use a Beldenamel Aerial DISTANCE! That is the real test of your new set. But don't forget that you cannot get the finest results unless you have a good aerial. Many good sets are permanently crippled because set owners mistakenly believe that corroded, soot-covered aerials are "good enough." A corroded aerial reduces the volume and distance of even the finest radio set. That is why a Beldenamel Aerial should always be used. Each strand of a Beldenamel Aerial is coated with weather-proof, fume-proof baked enamel. Even after years of service, a Beldenamel Aerial is still as good as new. It cannot corrode. It always assures maximum distance and greatest volume. A Belden Superadio Antenna Kit includes a Beldenamel Aerial and in addition sufficient material to build an efficient aerial and ground that can be relied upon to remain permanently efficient. Belden Manufacturing Co. 2310A S. Western Ave., Chicago, Ill. Ask your nearest radio dealer for a Beldenamel Aerial Specify Belden Fused Radio Battery Cord



I Will Train You At Home To Fill a Big Pay Radio Job



"I give you all this apparatus so you can learn quickly at home the Practical Way"

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All instruments shown here and others sent to all my students free of extra cost under short time special offer. Clip coupon now—find out all about this big unequalled offer while you still have time to take advantage of it. This training is intensely practical—these instruments help you do the practical work. You learn workmanship and get added confidence in your ability.



\$70 in one Day for T. M. Wilcox

"In business for myself—RECENTLY MADE \$70 in ONE DAY. I was an electrician of rich experience, occupying a splendid position as telephone superintendent when I enrolled with you, believing it would open up greater opportunities. Estimate Radio worth tens of thousands of dollars to me in next few years." T. M. Wilcox, Belle Island, Newfoundland.

World Famous Training That "Pays for Itself"

My Radio course World-Famous as the training that "pays for itself." Make more money QUICK when you take up this practical course. Work on millions of antennae, receiving sets, offers you big chance to make spare time cash while you're learning. I'll show you how. My students don't wait a year to increase their income—they report QUICK INCREASES as a result of this course—often two or three weeks after starting. Howard Luce, Friedens, Pa., made \$320 in 7 weeks during spare time. D. H. Suitt, Newport, Ark., writes, "While taking the course I earned in spare time work about \$900." These records not unusual—these men a few of hundreds.

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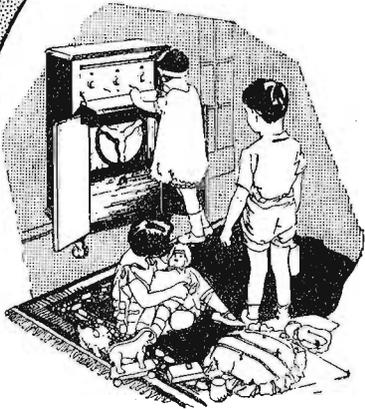
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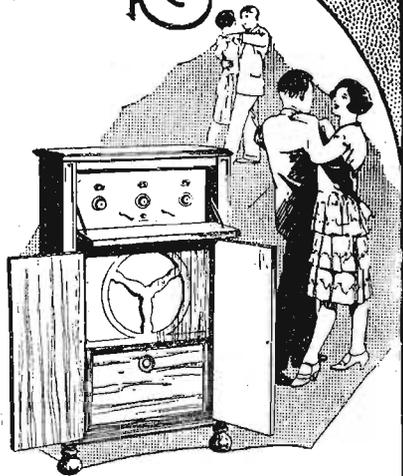
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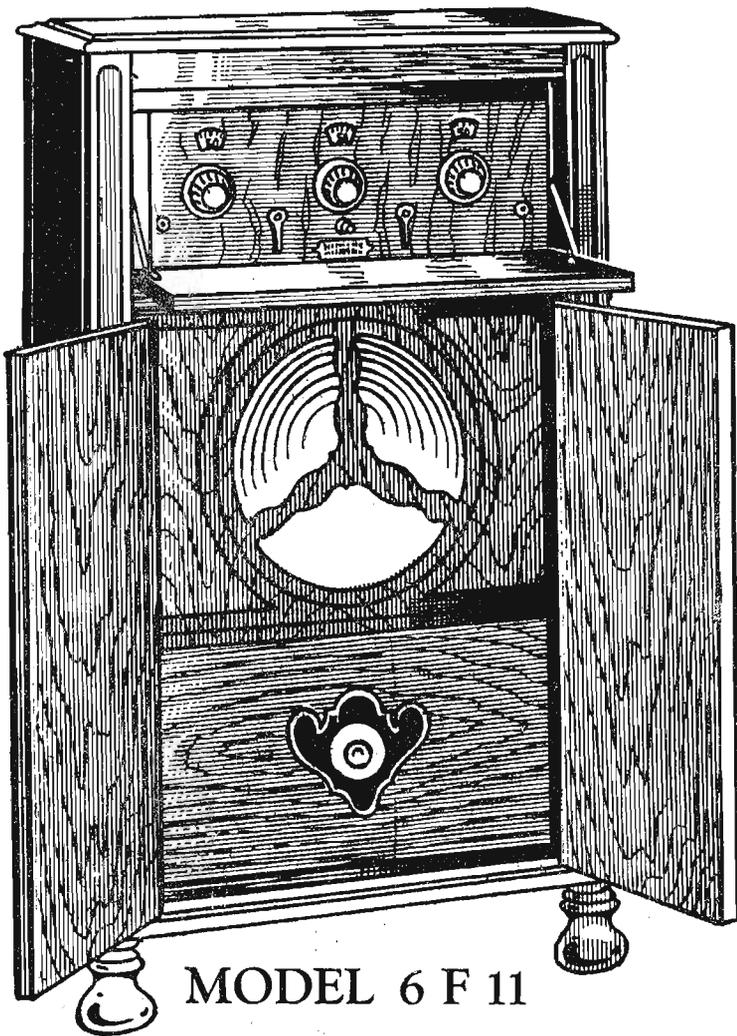
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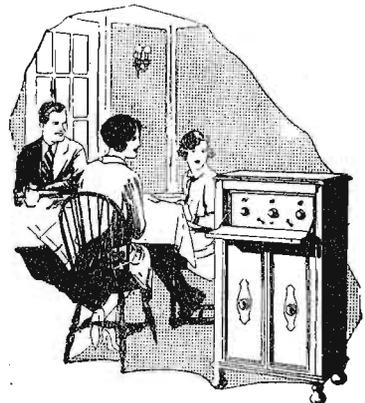
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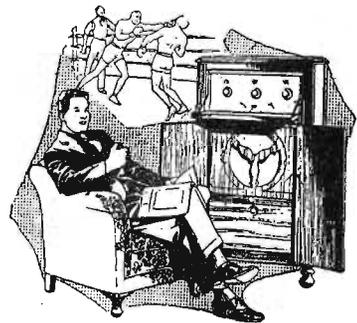


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