Kolster Radio

"A Parade of Stations"

Every Kolster owner is an enthusiast! To find out why, step in and see your nearest Kolster dealer. He will be glad to demonstrate for you without obligation, for he, too, is a Kolster fan!

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Kolster Radio

“A Parade of Stations”
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Santa Ana 1172

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Santa Barbara 3971

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Cronk Music House
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Radio Service Co.
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Santa Monica 26201
Santa Monica Radio Co.
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KOLSTER “Clear-Cut Selectivity”
$14 Complete with Switch

The *ELKON* Rectifier
(Solid throughout)

A Transformer
A Switch

That is all there is to the

**ELKON TRICKLE CHARGER**

Keeps your "A" batteries charged to highest efficiency ALWAYS.

No attention on your part.

No acids, alkali, water, moving parts, tubes, or interference.

It insures you constant power constantly, tapering off or increasing as needed.

**SET IT — INSTALL IT — FORGET IT**

Wholesale Distributors

YALE RADIO ELECTRIC CO.

1111 Wall Street   LOS ANGELES   WEstmore 3351
Last Prize Contest!

POPULAR radio broadcasting started in the Fall of 1921, but did not begin to really come into its own until the Spring of 1922. Mr. Horwood, a far-sighted business man and publisher, realized that the rapidly increasing number of set owners would need some medium which would conveniently list broadcast stations and their programs. RADIO DOINGS was started as a small pamphlet containing programs of three or four stations. In the last four and one-half years its publishers have constantly planned and added to the magazine so as to include, as far as possible, every need of the radio listeners in.

The services of K. G. Ormiston, one of the best-known radio engineers in the country, have been obtained to direct the technical department and laboratory. Carey Preston Rittmeister, a well-known and popular home economist, conducts a page of special interest to women readers. Several departments have been added for the exclusive use of our readers, including the DX Club, Questions and Answers, and Listeners-In-page. Other departments such as Radio Topics of the Day, Radiograms, Trade Topics and Broadcasters' Digest are maintained for general information concerning radio and radio people.

In any endeavor for perfection there is still room for improvement, and the only way that we can improve RADIO DOINGS is to learn what YOU, our friends and readers, like and dislike, want and do not want.

We offer a $67.50 Master Pemco Heavy Duty 135-Volt A and B Eliminator as a prize for the best letter of not more than 500 words of criticisms and suggestions which would make a bigger and better RADIO DOINGS.

This contest is open to all of our subscribers and readers. Address your letter to the Prize Contest Editor. The winning letter and name of the writer will be published in RADIO DOINGS issue of March 28th.

ONLY $3.00 A YEAR

Have RADIO DOINGS mailed to your home every week. Fill out blank below. Either mail to us, or your dealer will be glad to take care of it for you. Please indicate whether NEW or RENEWAL.

HORWOOD PUBLISHING CO., 407 E. Pico St., Los Angeles, CONGER & MOODY, Sharon Building, San Francisco, Calif.

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GUARANTEED LOUD SPEAKERS

We Wish to Announce the Arrival of the New Utah Junior Cone

13-inch Free Edge

ONLY $10.00

GUARANTEE
Buy a Utah and use it for two weeks. Compare its tone with the best the others are able to produce. If the Utah does not give better reception return it to your dealer and he will refund your money.

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With the Marvelous

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Radio AB Socket Power

It makes no difference what kind
or what make radio set you have, the PHILCO AB Socket Power will give you both A and B Radio Power from your electric light current.

Think of it! Here is your opportunity to do away with dry-cell battery troubles. "B" batteries and the "A" storage battery. Your electric lighting current will now operate your radio set smoothly and perfectly.

Installation FREE

The Philco dealer in your community understands exactly how to make this installation. He will do it, FREE OF CHARGE, and guarantee your complete satisfaction. You can safely buy from any authorized Philco dealer, anywhere.

Yours On Easy Payments

You can buy the Philco AB Socket Power on EASY PAYMENT TERMS from any Philco dealer in your town. You merely make a small first payment and then you can pay the balance in easy monthly installments.

Liberal Allowance for Your Old Storage Battery

It makes no difference what make of a storage battery you now have; it makes no difference how old or worn out it may be, the Philco dealer will make you a liberal allowance for it on the purchase of a brand new, guaranteed Philco AB Socket Power.

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That is all you need do. Simply fill in the coupon and mail it to us.

Remember, this coupon is not an order. It does not place you under the slightest obligation. It is simply a request for free, illustrated descriptive literature, telling all about the Philco AB Socket Power.

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Western Pacific Bldg., 1031 S. Broadway
LOS ANGELES, CALIF., Dept. 5172

Factory, General Offices and Laboratories
PHILADELPHIA, PA.
CeCo Fill Millions

There’s a CeCo Tube Made Specially for Your Radio Set

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. Consult your CeCo dealer. He will tell you the right combination of CeCo tubes for your receiver to give you more distance, sweeter tones and better all around reception.

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Tivoli Radio Shop
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Clear Up the Tone with a CeCo Mogul Power Tube

Do you get a blast when you turn the volume up a bit? Do you get clear, sweet tones at low volume, but noise when louder? The trouble is probably right in one tube—the tube in the last audio stage. Change this tube to a CeCo Mogul Power Tube. Then turn up the volume . . . and it comes through clear from local or far away stations.

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THIS IS A KIT YEAR

Buy the Kit of Parts for the Set you Want and Built it Yourself.
Outstanding Among the New Circuits are the

Infradyne - Silver Shielded Six
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All Parts for the IMPROVED INFRADYNE as Specified by Inventors now here. Complete Data in the Official Manual—25c. Send for it Now.

Complete stock of COAST COUPLER LONG WAVE RADIO FREQUENCY TRANSFORMERS, in stock for immediate delivery.

Look over the 630 Complete Kit of Parts for the SILVER SHIELDED SIX. Kit includes all Specified Matched Parts for the Set. Completely Shielded—using the famous 220 Audio and 221 Output Transformers, $95.00—A Set Good for Years.

The Kit of Parts for the KARAS EQUIMIMATIC lists at $60.20, and will produce a Set mighty hard to beat. Karas' latest.

MADISON MOORE "One Spot" Transformers are here. No more harmonics. Get a line on these—one of the biggest improvements of the year.

DEALERS: Park Next Door at Our Expense

Radio Supply Co.

WHOLESALE

920 S. Broadway

VA. 6063

Los Angeles

New 1927 Catalogue Now Ready—Send For It
**Changes Are Made**

Every day in Radio—and to keep your set abreast of the times—you will need new parts. The largest up-to-date stock of parts is at 920 South Broadway. Have your dealer pick up what you need.

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- **Lemeo Transformers**
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- **National Co. Parts**
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- **Rauland Lyric Transformers**
- **Raytheon Tubes**
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- **Sumgano Condensers**
- **Sensory Insulators**
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- **Steintine Eliminators**
- **Sterling Meters and Testers**
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- **Thoruba Colls**
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- **Tom Mack Products**
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**THORDARSON, ALL-AMERICAN AND MAGNAVOX REPLACEMENT TRANSFORMERS IN STOCK**

**VESTA 35 and 50 Amp. and HOBCO A Power Units**

**ACME, GENERAL RADIO, ALL-AMERICAN, KODEL, BALKITE, SILVER MARSHALL and STERLING ELIMINATORS**

**ACME, STERLING, VESTA, BALKITE, TUNGAR and SILITE TRICKLE CHARGERS**

**DEALERS: Park Next Door at Our Expense**

**RADIO SUPPLY CO.**

**WHOLESALE**

920 S. Broadway          VA. 6063          Los Angeles

New 1927 Catalogue Now Ready—Send For It
The New

Hexadyne 6-Tube
PORTABLE

NEW IMPROVEMENTS WITH BEAUTY AND SIMPLICITY

SINGLE DIAL CONTROL
OPERATES WITH A LOOP
EXCEPTIONAL DISTANCE

The Hexadyne stands today not only as the leader in the portable field but the recognized standard of advanced radio engineering. No other portable radio on the market compares with the Hexadyne for beauty of tone and simplicity of operation.

List Price $125.00 Complete with All Accessories
Including the New Power Tube

Dealers Write at Once for Attractive Proposition

C. W. Smith Co.  Pacific Wholesale Radio, Inc.
1125 Wall St., Los Angeles  1320 S. San Pedro, Los Angeles
Radiograms

From

CLOYD MARSHALL, JR.

Many a poor fish is caught by the lure of a trim ankle.

A dog wags his tail to show pleasure, a man wags his tongue to show displeasure.

Have you ever observed the horse that walks with his head down, stumbles most frequently?

Don't judge a man by the bumps on his head. He may have a barber whose technique is poor.

There is one man in the United States who can make President Coolidge open his mouth and that must be his dentist.

Any poor fish can float and drift along with the stream, but it takes a regular live one to swim against the current.

SENSIBLE CLOTHES

The textile mills report that they have lost half of their business since fashion decreed that midday should wear knee length skirts. We feel sorry for the owners of the mills and the people who were thrown out of work by this unwritten edict but nevertheless we hope that the women will keep on wearing sensible clothes. The young women of today are the mothers of tomorrow so it is vital to our nation that they be healthy, for the healthier they are the better will be the next generation. Dress has a lot to do with it.
Meet Our Friend

By K. G. ORMISTON

This week we are going to introduce to you a chap who seldom exercises his vocal cords before a “mike,” and hence is little known to you. And yet it rests with him whether or not you will derive enjoyment in listening to any radio program. Regardless of how splendid a studio performance may be, it is all useless unless the care and manipulation of the transmitting equipment preserves the quality through all the intricate processes of transmission involved in putting the program “on the air.”

You’ve guessed it. We are using this space in an effort to make you chummy with a young fellow to be found in the operating room of every station. If things are running smoothly you will find him at his desk listening to the outgoing program and carefully controlling the modulation. But if there’s a “bug” in the works, the operator will be found hanging on the side of the transmitter cage like his Darwinian ancestor, poking his nose into close proximity with enough volts to knock a man across the River Jordan, frantically trying to make music sound less like static!

As a general rule, he knows his business. In fact, he is the only man around the radio station who knows anything about radio, though he is usually treated by the rest of the staff as a sort of necessary evil. In most cases he is an old-timer, who has grown up with radio, and sailed the seven seas with every type and vintage of wireless equipment. His station is to him as a child of his flesh—he knows and understands its weak points, its limitations, its peculiarities.

He is forever checking the microphone balance, watching the red-hot plates of the tubes, looking for bright spots in the filaments, keeping an eye on at least a dozen meters, feeling the bearings of the generators, checking the wave-length, watching the charging of the batteries, listening to the output, both in headphones and loudspeaker, and thus doing his level best to send a true and accurate reproduction of the program into your receiving set.

Simultaneously with the few duties mentioned, he carries on numerous telephone conversations with dear old ladies who call up to inquire just how to go about tuning in JOAK on their “Blabadyne” sets!

Very often when the announcer has murmured his final “Good Night,” and all the lads and lassies of Radioland are tucked away, our friend, the operator, who has kept his set on the air for the last hour by the skin of his teeth, rolls up his sleeves and pitches in. A neat, orderly operating room presently resembles No-Man’s Land as Big Bertha comes to pieces. The offending coil or condenser is eventually found, repaired or replaced, and the last connection goes back into place just in time to broadcast your morning setting-up exercises!

The one important thing in life for the operator, or engineer (as he likes to be called, and justly so), is to keep his station on the air at all costs. Any failure of his equipment during a program is a calamity of vast proportions, for which he holds himself personally responsible. Incidentally, and unfortunately, the boss takes the same view.

Now we’re going to let you in on something. Sometimes the operator day-dreams a bit, forgets to watch the modulation, and permits perfectly good music to go out like so much hash. Listen! We’ll tell you what happens when he wears that dumb look and stares unseeing at his panels.

His mind is far from the whirring generators and the dancing needles of
his meters. Wanderlust and the call of the briny deep have gripped him. He sniffs the tang of the sea and feels a throbbing deck beneath his feet. With the speed of ether waves, old familiar scenes flash before his mind's eye.

The stench of the Orient—The French Band in its evening concert on the Bund at Shanghai—The fan-tan tables of a famous gambling house on the Bubbling Well Road—The seething inferno of Kileau's crater.

For a moment he stands in the doorway of an Alaskan wireless shack and watches a June dawn—A fleeting glimpse of No. 9 in Yokohama with its painted faces and gorgeous cysranthemenm blossoms—Cup Day at the Melbourne races—A rosy-cheeked barmaid in Auckland—

The picturesque “junk” fleet of the Yellow Sea—A hula dance 'neath the waving palms of Samoa—And best of all, Mount Tamalpiais rising up out of the fog as the pilot comes aboard!

And so, friend reader, you have met the broadcast operator. We hope you will like him and count him as much your friend as the announcers and artists whose names are so familiar to you. When you enjoy a radio program and have a feeling of appreciation for the efforts of those who have brought it to you, don't forget the man behind the switchboard (or more likely under it!). Give him a ring and tell him you like the way he puts out the stuff.

"She knows her beefsteak" is the highest compliment a man can pay his wife, according to Beulah Winburn, food expert, who is heard regularly over KOA.

Station 2LO, in London, devoted an evening recently to selections of the American composer, MacDowell, and a Glasgow station dedicated a program to Abraham Lincoln.
By CAREY PRESTON RITTMEISTER

One more field entered by women! We have established a place for our sex in athletics—tennis, golf, swimming—but here is a woman who has worked tirelessly for the past ten years to win votes and public "jobs" for women she thought best fitted for the positions, and who has now been appointed to a post of great responsibility and honor—that of Commissioner of Immigration for the Port of Boston. Anna M. Tillinghast is the first woman to hold such a position, the appointment coming as a complete surprise to her, for she had not sought any official recognition for herself.

The other evening with some friends and seeking some unusual amusement after dinner, a Japanese picture theater on the East Side was brought to my mind as something interesting, the suggestion received by the crowd with some apprehension, but accepted. The picture, which was filmed in Japan, with Japanese actors, was well on its way when we entered the theater, so it was impossible to get the plot and ascertain just why the pretty little Japanese heroine was being pursued so relentlessly by the seven fierce Japanese men with long knives. Occasional strains of Japanese music from Japanese instruments lent atmosphere to the picture, but by far the most interesting feature was the announcer, who graphically and dramatically described in his native language each situation and impersonated the characters in turn, producing the falsetto tones of the heroine with great pathos, the deep, gutteral of the villain in a way to make your hair stand on end, and so on, from character to character; I believe he did it well. One of our party recalled the first American pictures shown, without titles and sub-titles, when an announcer was deemed necessary for the presentation of the different scenes and characters; so long ago most of us had forgotten. (Radio announcers please don't read this!) The possibility is suggested that some day even radio programs may be presented without announcers. (We just couldn't let that chance pass.)

It's a far cry from radio announcers to clams and oysters, but they are again on the hill of fare today, and I have some choice recipes gathered from the wives of Matagorda Bay. A most interesting bit of Texas is that bordering on Lavaca Bay. It was here that patriarchal "Uncle Joe" Gonzales lived and died; here, in his younger days he brought shiploads of camels from Spain for the United States Government, for use in travel across the great western desert. This little settlement of "Old Town" was made up of the Gonzales family and descendants, and fine German families, immigrants who had entered Texas at historic Indianola at the lower end of this bay, who lived well from their fishing boats, oyster beds, small farms of grain, and their cotton fields. From the respective countries are the following recipes which I have treasured these years:

Clean and dry 2 dozen oysters and place on ice. Rub yolks of 6 hard-

(Continued on page 76)
RADIO CONTROL BILL PASSES

After more than a year of wrangling, Congress finally passed the radio control bill on February 18th. As this issue of Radio Doings goes to press, all that is lacking to make the Dill-White bill a federal law is the signature of President Coolidge.

To anyone who has closely followed the proceedings before Congress, the political mixup occasioned by this measure is little short of amazing. Petty jealousies and presidential aspirations at times figured in the fray; Democrat fought Democrat, and Republican attacked Republican. But eventually, through his persistent efforts, Senator Dill, the Democrat, got his anti-Hoover bill passed by a Republican Senate, though his own party leaders were at times against him.

It is believed that the commission of five will be named by the President immediately the bill is signed. This commission will have complete control of radio for one year from the date of its organization, and thereafter will have the power to pass final judgment on all controverted questions and all those voluntarily submitted to it by the Secretary of Commerce.

Among other provisions are those designed to prevent monopolies, to assign and control wave-lengths, the number and power of stations, chain broadcasting, the hours stations may broadcast, and to prevent discrimination and excessive charges for broadcasting.

In the words of the poets, "It won't be long now!"

THE PACIFIC CHAINS

The affiliation of high-powered broadcasting stations into what has been termed a "chain" was first instigated by WEAF of New York.

The Radio Corporation station WJZ of New York tied up several stations on its loop, and thus the advantages to be gained by the "chain" system have been more and more realized until now on the Pacific Coast we have two such affiliations in process of development. KFI and KPO have been linked for some time, but it is reported that they will shortly be definitely tied in with the National Broadcasting Company's loop, of which WEAF is the parent station. KGW of Portland, KOMO and KFOA of Seattle and KHQ of Spokane will be included also.

The second important affiliation is that of KJR of Seattle, KGA of Spokane, KEX of Portland, KYA of San Francisco, and the Los Angeles station still to be erected.

The recently completed KGA station with its power of 20,000 watts, is one of the six super-power stations in the United States. KEX just completed at Portland, is of 5000 watts power. The Francisco member of the chain, KYA, on the Clift Hotel, operates on 1000 watts. Now it is announced that a high-powered station is to be erected in Los Angeles as an important link in this chain. The five stations will be able to broadcast simultaneously programs originating in any one of the five studios.

KGA, Spokane, is operating on 341 meters, a separation of but four meters from KNX.
C. H. Preston, enthusiastic radio fan at Chatsworth, tunes in JOAK at Tokio, Japan, with a five-tube Stewart-Warner receiver hooked up with the “DX” Long Distance Ground invented by him and which is now being manufactured in quantities in Los Angeles. Preston’s “DX” log includes JOCK, at Nagoya, Japan, two or three Australian and New Zealand stations and daylight reception of PWX, Havana, Cuba.

Los Angeles business men listening to radio program from Tokyo, Japan, in Southern Pacific Station at Chatsworth —
Efficient Device Modernizes Old Phonographs

The great difference between the quality of reproduction of the old style phonograph and the modern high-priced instruments is in the fact that the records are now recorded electrically, and reproduced electrically. The modern machine incorporates an electrical amplifier and cone speaker, and therein lies its ability to reproduce the bass notes, the overtones and all the individuality of instrument or voice which makes its reproduction so perfect.

The modern radio receiver possesses these same units which give the new phonographs their superiority over the old type. Therefore, it is only necessary to devise a means of coupling an old style phonograph to a modern radio receiver to have all the advantages of the latest type expensive phonograph.

A device which accomplishes the coupling between the two units in a very satisfactory manner is known as the "Elec-tru-tone," now being manufactured under the Lehman patents. It comprises an electro-magnetic "pick-up" device, which is placed on the end of the phonograph tone arm in place of the old reproducer. This connects by flexible cord to the "volume control" unit. From the latter unit a long cord is fitted with a pronged plug for insertion in the detector socket of the radio receiver.

It is only necessary to remove the detector tube from the receiving set and insert the plug to complete all necessary connections between the phonograph and the set. The cone speaker of the radio then reproduces the records played upon the phonograph with a surprising and very pleasing result. When radio reception is desired it is only necessary to slip out the plug attachment of the "Elec-tru-tone" and replace the detector tube.
THE TROUBLE SHOOTER

ASK K.G.O.
The Answer Man

KENNETH G. ORMISTON
Technical Editor

Hereafter all inquiries of a technical nature will be answered directly by mail. This policy has been adopted because of the fact that the majority of questions and answers are not of general interest. This space will be devoted each week to information covering general problems as indicated by the mail to this department rather than individual difficulties.

Many inquiries are in regard to socket-power units and the troubles experienced. The subject is briefly discussed herewith, and will be covered fully in a future issue.

The B socket-power unit, usually comprising a rectifier tube, chokes, filter condensers, and resistance units, possesses several possible sources of trouble. The most likely of these are the resistances. It has been a difficult problem for the manufacturers to produce resistance units that would carry the current, stand the heat and yet not deteriorate. These resistances may, in a defective condition, cause considerable noise in the output of the set, or burn out. A voltmeter with a range of 150 volts should be used in testing for an open in the resistances. Connect from the B negative to the different taps and the open unit will be readily found.

A broken down filter condenser can be located by testing with a B battery and pair of headphones. The loud positive click of a direct circuit through the condenser is readily distinguished from the normal click of the charging and discharging of a healthy condenser. Choke coils may be tested for an open circuit by the headphone and battery method also.

The rectifier tube may fail to function even though the filament lights normally. A spare should be kept on hand. When the power units is suspected of creating noise, remove the antenna from the set and note if the noise continues. Go over the set to satisfy yourself that the noise is not within the set in poor tube-prong contacts, etc., if the noise continues it is pretty certain to be in the power unit. If B batteries are available an absolute check is afforded by substituting them for the power unit. Noise from the power unit is usually caused by a poor connection or a defective resistance unit.

An inquiry which is often received in the technical mail concerns the gas-content soft detector tubes which many fans have substituted for the 201-A or 301-A types in the detector socket. They report that tuning has broadened with a lack of selectivity, and more or less "background" noise is present. They ask why these conditions should result.

The gaseous detector tube has a lower input impedance than the hard tube. In connecting it to the tuned circuit ahead of the tube, in effect a resistance is shunted across the tuned circuit, this resistance being of lower value than is the case when a hard tube is used. This acts as a "damper" on the tuned circuit and broadens it.

In the design of the modern receiving set, every precaution is taken to minimize resistance in the tuned circuits, to maintain what has been called a "low-loss" condition, that all tuned circuits may oscillate freely at the frequency to which the circuits are tuned, and that the resonance curve be sharply "peaked." In other words, these are condi-
tions that make for good selectivity. The use of a hard tube with its high input impedance does not detract from the selectivity qualities of the particular tuned circuit which feeds it, but when a gas-content tube is substituted the effect upon the electrical characteristics of the circuit is as though a resistance value was shunted across it. This results in broader tuning and a certain degree of sacrifice in selectivity. This does not apply to regenerative circuits where the effective resistance of the grid circuit is controlled by the regenerative feed-back, but to the usual run of receivers where R. F. stages are used ahead of the detector.

Gas-content tubes have what is called a "background" noise. This manifests itself as a hiss somewhat similar to the microphone hiss when receiving a station.

It is at a minimum when the proper, more or less critical B battery voltage is found, and the rheostat adjusted to its proper point. While unnoticeable on strong signals it is apt to become annoying on very weak signals, just the time when you wish there were no "background" noises.

This type of tube is generally unstable also. It requires a lapse of time to "warm up," after which the A battery rheostat must again be adjusted for maximum sensitiveness. The soft detector tube should have its own separate rheostat, if any real advantage is to be had.

The soft tube is more sensitive as a detector than the hard type, but whether you will benefit by the substitution depends upon the circuits of your receiver, and your understanding and handling of the tube.

IN THE SHORT CIRCUIT
Judge (to prisoner): "What is your name, your occupation, and what are you charged with?"
Prisoner: "My name is Sparks. I am a radioman and I am charged with battery."
Judge: "Officer, put this guy in a dry cell."—Telegraph and Telephone Age.
FINISH WORK, HENRY!

Long Beach, Calif., February 17, 1927.

DX Club:
I have been reading your Red Book ever since it started, and am always interested in your DX section.

Being somewhat of a night-hawk myself, I have logged several DX stations to date. I have a Valley-Tone Model 53 (five tube) receiver. I use for an aerial a sheet of copper 30 inches square, rolled up in a funnel shape. This is on a pole 102 feet high, and well insulated from the pole. My ground is a four-foot copper tube, which I drove into the ground, surrounded by 6 old B batteries, smashed up, some rock salt and plenty of water.

I have had my set about 9 weeks and have logged over 300 stations to date. Reception is very poor in Long Beach, but I’ll get the rest awhile.

Here are a few of my best ones: 17 Chicago, 6 Colorado, 4 New York, 3 Detroit, PWX, KGU, JOCK, JOAK, 7SA, 2YK, CRCT (Chile), CYJ, 5CL, 4QG, CFAC, CFCN, CPCT, CNRY, CFYC, AMB, and many others.

I will be glad to communicate with other Valley-Tone owners and DX’ers.

HENRY J. BRENNER
1557 Atlantic Ave.
Long Beach, Calif.

ON THREE CYLINDERS!

Pico, Calif.

DX Club:
I have followed with interest the section of Radio Doings devoted to the DX Club. Some of the reports are very fine, but one thing is very noticeable. The majority of the receivers mentioned are from five tubes up to ten tubes. Let us bolster up the reputation of the simple regenerative set. I use a three-tube outfit of my own construction. Detector and 2 stages of audio. During a period of one month I have logged 81 stations. Chief among these are AMB, CNRV, CFBC, KFKX, KMOX, KOWW, KGW, KSL, KOA, KFXH, KDKA, KOIL, KMMJ, WHO, WJZ, New York, WOC, WSAI, KYA, KOAC and a host of others. The remarkable fact was that most of them were through locals. I should be very glad to hear from other DX’ers who have simple regenerative sets.

ROBERT H. GIBBS.

Charles C. Curry of 1374 Kirkwood avenue, Pasadena, sent us in a long list of stations received this fall on his Radiola 20. The most distant stations include WEAF, KDKA, KYW and a flock of Canadians.

Judging by the reports being received by this department Mr. JOAK may now be considered as a local station, as he seems to roll in on almost any kind of a set which is operating efficiently and in the hands of an enthusiast with more than the average tuning ability. The necessary requirements are: A good set, cunning in tuning, patience, permission from the good wife to stay up until 4 a.m., and, in some cases, plenty of imagination.

ANOTHER SUPER

Paso Robles, Calif.

DX Club:
This is radio station KIRK, Paso Robles, California, coming on the air with my list of distant stations.

I have all the Chicago stations and WHO, WCX, CNRE, WIP, WOO, WOR, WJZ, WTIC, WHAZ, WGY; four Australian stations—5CL, 3AR, 5DN and 2BL; one New Zealand station—VLDN; three Japan stations—JOAK, JOCK, JOBK; last, but not least, I have 7ZL, Hobart, Tasmania. Besides these, I have any number of 100-watt stations throughout the Middle-West, and all the local stations. All these stations come in on the loud speaker, with the exception of 7ZL and 5DN.

I am using a Radiola 20 with loop aerial. For a booster I have an outside aerial, and a ground wire, connected to a coil of wire hanging on the wall in the rear of the set.

Signing off,

KIRK.
All You Members of the "DX Club"

Listen to this

C.H. Preston's "DX" Radio Ground can now be bought by mail!

We have taken over the distribution for the United States of the "DX" Radio Ground perfected by C. H. Preston, of Chatsworth.

Hundreds of members of the "DX Club" have read of this mystery ground in the "DX" columns of Radio Doings. The results secured by its use are almost unbelievable.

Preston plays Japan and Australia regularly on a $59.50 Stewart-Warner receiver. Other owners of the "DX" Radio Ground report splendid distance reception.

It's a wonderful new development. It's easily installed. Results will surprise you.

ORDER YOURS NOW!

"DX" Radio Ground

Ready for $8.00 Installation
NOTICE TO DEALERS

We have a wonderful dealer proposition on the DX Radio Ground. Everybody will want one. Write for particulars NOW.

UNGAR & WATSON, Inc.
1366 So. Figueroa St.
LOS ANGELES

HAVEN'T you very often wondered what Real Radio reproduction would sound like? Come and listen to a Stromberg-Carlson—it is a revelation in tone quality.

Miss June Parker
Popular Blues Singer
Afternoon Hostess—

at

The Radio Studio
WILSHIRE BOULEVARD
at 3831

Near Western
WASHINGTON 4095

Authorized Dealer
Stromberg-Carlson
Broadcast Changes

EIGHT MORE BROADCASTERS LICENSED

Eight more broadcast stations were licensed last week by the Department of Commerce, which, according to the legal interpretation of the old law by the Department of Justice, must authorize all applicants who seek to broadcast and have the facilities. These eight stations may be considered as lucky to get on the air, considering that the new radio legislation is so near enactment. Two Seattle stations, KXRO and KGDI signed off permanently.

Of the newcomers, Spokane gets a high-power station, KGA, to be operated by the Northwest Radio Service Company, is rated at 20 KW, which is sufficient power to bring its programs to the eastern and southern coasts. This company at the same time closed station KGDI at Seattle. The other new stations are all of lower power, except WNBA, at Forest Park, Illinois, which is rated at 500 watts. Geographically, the distribution gives Illinois two more stations and one each to New York, Mississippi, Texas, Colorado, California and Washington.

Wave pirates may have subsided in their efforts to select desirable channels free from as much station interference as possible. At any rate, there were no wave jumpers reported last week, the only changes being in name and in power.

LIST OF NEW BROADCASTING STATIONS

<table>
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<tr>
<th>Call</th>
<th>Owner</th>
<th>Wave Length</th>
<th>Frequency</th>
<th>Power</th>
</tr>
</thead>
<tbody>
<tr>
<td>KGA</td>
<td>Northwest Radio Service Co., Spokane, Wash.</td>
<td>340.7</td>
<td>880</td>
<td>20000</td>
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<tr>
<td>WNBA</td>
<td>M. T. Rafferty, Forest Park, Ill.</td>
<td>238</td>
<td>1260</td>
<td>500</td>
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<tr>
<td>WMBX</td>
<td>Crystal Oil Co., Columbus, Miss.</td>
<td>265.3</td>
<td>1130</td>
<td>100</td>
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<tr>
<td>KFGI</td>
<td>M. L. Eaves, Fort Stockton, Texas</td>
<td>220.4</td>
<td>1360</td>
<td>15</td>
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<tr>
<td>WNBF</td>
<td>Hewitt-Wood Radio Co., Union Station, Endicott, N. Y.</td>
<td>205.4</td>
<td>1460</td>
<td>50</td>
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<tr>
<td>KOLO</td>
<td>Gerald K. Hunter, Durango, Colo.</td>
<td>355.1</td>
<td>844.3</td>
<td>5</td>
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<tr>
<td>WMBY</td>
<td>Robert A. Isaacs, Bloomington, Ill.</td>
<td>291.1</td>
<td>1030</td>
<td>15</td>
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<tr>
<td>KGFJ</td>
<td>Ben S. McGlashan, Los Angeles, Calif.</td>
<td>218</td>
<td>1375</td>
<td>100</td>
</tr>
</tbody>
</table>

CHANGES REPORTED

KWWG, Chamber of Commerce, Brownsville, Texas, name changed from City of Brownsville; power changed from 500 to 750 watts.

KGBY, Dunning & Taddikon, Shelby, Nebraska, name changed from Albert C. Dunning; power changed from 10 to 15 watts.

WPSW, Philadelphia School of Wireless Telegraphy, Philadelphia, call letters changed from WI.BA.

WWRL, W. H. Rouman, Woodside, New York, name changed from Woodside Radio Laboratories.

TWO DELETED

KXRO, Brott Laboratories, Seattle, Washington.


$1 RADIO BATTERIES RECHARGED
RENTAL BATTERIES FURNISHED
Called For and Delivered—Within 4-Mile Radius
Small Added Charges over 4 Miles
LUDLUM & STEELE, Willard Dealers
965 Venice Blvd. Call WEstmore 6974 Los Angeles
# SUNDAY TIME TABLE

## SOUTHERN CALIFORNIA

<table>
<thead>
<tr>
<th>Time</th>
<th>Callsign</th>
<th>Frequency</th>
<th>Station</th>
</tr>
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<tbody>
<tr>
<td>7:00 A.M.</td>
<td>KFWC</td>
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<tr>
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## NORTHERN AND WESTERN STATES

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### Notes
Hours Shown as Submitted by These Stations. For DX Schedule see Page 38.

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**WILL SACRIFICE** a $150 a month, well-appointed, two-room office suite in the I. N. Van Nuys Building, Seventh and Spring Streets, Los Angeles, for $100 per month. Lease has one year to run.

Inquire at

**RADIO DOINGS**

407 East Pico St.
WEastmore 1401 Los Angeles, Calif.
<table>
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<tr>
<th>TIME</th>
<th>STATIONS</th>
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**SOUTHERN CALIFORNIA**

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**NORTHERN AND WESTERN STATES**

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*Hours shown as submitted by these stations. For DX schedule see page 38.*
TONE
So life-like it will thrill you.

BASS
Full and resonant.

PLENTY VOLUME
Controllable to a whisper.

ELEC-TRU-TONE
THE PHONOGRAPh MODERNIZER

Your present radio set and old phonograph contain most of the parts embodied in the expensive new electric reproducing phonographs. The ELEC-TRU-TONE supplies all the rest in readily attachable form.

Merely slip the ELEC-TRU-TONE reproducer of your phonograph tone arm in place of your old reproducer, and put the Elec-tru-tone connecting plug in the detector tube socket of your radio set whenever you play the phonograph.

TWO MODELS

No similar device can compare with the ELEC-TRU-TONE here illustrated in the combination of tone quality, volume, physical beauty and simplicity of connections.

List price $25.00.

Same ELEC-TRU-TONE reproducer, with different volume control requiring the permanent connection of two wires to your radio set.

List price $17.50.

For Sale by Leading Dealers

THE ELEC-TRU-TONE CORP.
Phone MAin 3843
Hibernian Building Los Angeles

BAKER-SMITH CO., Inc.
Call Building, San Francisco
National Distributors
**TUESDAY TIME TABLE**  

**SOUTHERN CALIFORNIA**

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**NORTHERN AND WESTERN STATES**

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*Hours Shown as Submitted by These Stations. For DX Schedule see Page 38.*
Anten-A-Liminator

The result of months of experimenting and exhaustive tests. Many times the selectivity of an outside aerial. Will make it possible for you to separate the lower wave length stations.

Small—Compact. Can be put inside or outside of the cabinet. Quickly installed.

Will take the Chaos out of the Air.

Static, extraneous noises, many stations coming in at one time, unsightliness and a fire hazard are some of the disadvantages of an outside aerial.

Why get a jumble of noise from an instrument designed for pleasure?

Manufactured by:
Geo. E. Browning Co.
Ogden, Utah

If Your Dealer Can Not Supply You

Telephone VANdike 3297
Or Write

Scott Sales Co.
443 S. San Pedro St.
Los Angeles, Cal.

$8.50
See Absolute Guarantee with Every Instrument
### SOUTHERN CALIFORNIA

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### NORTHERN CALIFORNIA

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<td>KLY 525 500 Oakland  X X X X X</td>
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</tbody>
</table>
We Carry In Stock

the full range of

CeCo Tubes

Used by Wm. R. Davies in winning the world's long distance record and endorsed and specified by all leading national authorities.

CeCo Tubes Spell More Distance.

CeCo Tubes Cost No More.

A CeCo Tube for Every Radio Purpose.

Satisfaction Guaranteed or your money refunded.

Authorized Wholesale Distribution

C. C. LAWTON CO.

1125 Wall St. Phone WEstmore 3291 Los Angeles
## THURSDAY TIME TABLE

**ALL TIME TABLES ADJUSTED TO PACIFIC TIME**

(X) Indicates Station is On the Air

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<td>X[KM] 227</td>
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<td>X[KMTR] 370</td>
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<td>X[KFWC] 285</td>
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<td>X[KTBI] 294</td>
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<td>X[KFSG] 278</td>
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### NORTHERN CALIFORNIA

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<td>X[KSMR] 263</td>
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<td>10-12</td>
<td>X[KFRC] 258</td>
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### NORTHERN AND WESTERN STATES

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<td>X[KMO] 210</td>
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*Hours Shown as Submitted by These Stations. For DX Schedule see Page 38.*
YOUR RADIO SET

All the new Victor, Columbia and Brunswick records are recorded electrically. Every note of every instrument is recorded in its proper volume. Fortunes were spent in perfecting the methods.

But the old phonographs will not reproduce all that is recorded. Most of the charm is lost.

To get the full benefit of the new records, electric reproducing phonographs were perfected. These are the marvelous new instruments that retail at prices from $400 to $1,000.

But your radio set and old phonograph already contain most of the parts embodied in these new electric machines. The Elec-tru-tone supplies all the rest in readily attachable form.

TONES—so life-like it will thrill you
BASS—full and resonant
PLenty VOLUME—controllable to a whisper

Sold by dealers that want you to get double use from your radio set.

Manufactured by

The Elec-tru-tone Corp., Hibernian Bldg., Los Angeles
Phone MAiin 3843
Distributed Nationally by

Baker-Smith Co., Inc., Call Bldg., San Francisco

California Jobbers

THE ELECTRIC CORP.
1050 Santa Street
Los Angeles

EIERULFF & RAVENSCROFT
645 Howard Street
San Francisco

YALE RADIO ELEC. CO.
1111 Wall Street
Los Angeles

ELECTRIC SUPPLY CO.
370 Eleventh Street
Oakland

COAST ELECTRIC CO.
744 G Street
San Diego
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<td>(X) Indicates Station Is On the Air</td>
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**SOUTHERN CALIFORNIA**

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**NORTHERN CALIFORNIA**

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**NORTHERN AND WESTERN STATES**

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**Time Table**

**FRIDAY TIME TABLE**

**All Time Tables Adjusted To Pacific Time**
Better Reception
Beautiful Models
Combine to Make
The Rauland Receivers
The Choice of Discriminating People

Loop or Antenna Operated, One Dial, Seven Tubes, Makes the Lorraine Model the Perfect Receiver

$355.00
Less Accessories

Housed in a beautiful cabinet of walnut in Italian Renaissance design; hardware of cast brass, antique Italian design.

Other Models in Six and Seven Tube
Rauland Receivers $190 to $460
An Extensive Nationally Advertised Receiver
Carefully Selected Dealers Are Being Franchised In All Territories

Southern California Distributor

HERBERT H. HORN
1629 S. Hill St. Los Angeles, Calif.

ALL-AMERICAN RADIO CORPORATION
Carl A. Stone, District Manager
1050 S. Los Angeles St. Los Angeles, Calif.
# SATURDAY TIME TABLE

## SOUTHERN CALIFORNIA

<table>
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<td>4-6 P.M.</td>
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<td>K.G.O 381</td>
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## NORTHERN AND WESTERN STATES

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<td>X.K.M.O 250</td>
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### Notes
- Hours shown as submitted by these stations. For DX schedule see page 38.
- X indicates station is on the air.
A Revelation in Radio Reproduction

Model 210
22-inch Cone Loudspeaker with Panel and easel back

$18.00

As a piece of furniture, the Windsor Cone Loudspeaker Console is of such manifest high quality and attractive design as to be a welcome addition to any home. Finished in Mahogany or Walnut color.

Model 200, with 22-inch Cone Loudspeaker

$35

Console with Cone Loudspeaker Ready for Set and Batteries

At last—a cone loudspeaker that reproduces all the tones as they are broadcast. From the deep voiced tuba of an orchestra to the softest note of a vocal solo—every tone—every sound is reproduced in all its beauty, just as it entered the microphone.

This 22-inch Windsor Cone Loudspeaker will reproduce the softest crooning lullaby in a softly lighted room, or the full throated march music of a band in an auditorium—both with perfect fidelity of sound and tone. The Windsor Cone Loudspeaker Console is the greatest value in the world of radio. When compared with the average cost of cone-type loudspeakers of even similar size, the cost of the complete Windsor—cone loudspeaker and console—its amazingly low.

NOTE TO DEALERS
Write or wire today for details of the highly profitable Windsor selling line.

WINDSOR FURNITURE CO.
World's Largest Manufacturers and Originators of Loudspeaker Consoles
1420 Carroll Avenue, Chicago, Illinois
Los Angeles Branch: 917 Maple Avenue

H. D. 24
WINDSOR FURNITURE COMPANY
Electrical Department
517 Maple Ave., Los Angeles
Send me FREE and without obligation circulars of the Windsor line of Cone and Horn Loudspeakers combined with prices of furniture, and name of nearest dealer.

Name
Address
Dealer's Name
City
State
<table>
<thead>
<tr>
<th>Call Letters</th>
<th>Location</th>
<th>W. L. Power Schedule of Concert and Dance Music</th>
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<tr>
<td>WBBM Chicago</td>
<td>226 1500</td>
<td>6-10 S. 6-10 6-10 6-10 6-7 6-10</td>
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<td>WIBO Chicago</td>
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<td>4-5 10-12</td>
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<td>WOVO Ft. Wayne, Ind.</td>
<td>227 1000</td>
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<td>238-400 3500</td>
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<td>WWAE Plainfield, Ill.</td>
<td>242 5000</td>
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<td>WOOD Grand Rapids, Mich.</td>
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<td>WBAL Baltimore, Md.</td>
<td>246 1000</td>
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<td>WRVA Richmond, Va.</td>
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<td>WAKF Milwaukee</td>
<td>261 5000</td>
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<td>WCAR San Antonio, Tex.</td>
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<td>PWX Havana, Cuba</td>
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<td>CYJ Mexico City</td>
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</table>

Crosley's 6-Tube Batteryless Radios—Childs Lab., 1187 W. 24th
THE KING OF ALL SUPERS

Buy Your Radio with a Thought Toward the Future

The Zenith Electric means no charging batteries—No acids—no run-down batteries—it uses no batteries of any kind.

The Zenith De Luxe Models contain patented 10-tube circuit—dual speakers—single control—105 to 550 meters.

Art Models $685.00 to $2,550.00

Make a comparison with any other Radio set—side by side—in your home. See your nearest dealer for demonstration.

DISTRIBUTORS:

CHANSLOR and LYON CO.

1423 S. Grand Ave. Polk at Ellis
LOS ANGELES SAN FRANCISCO
These three inexpensive Stewart-Warner Models offer matchless performance

The Stewart-Warner Matched Unit Radio line includes both one and three dial... five and six tube... receiving sets in both table and console types... two types of reproducers, one a new development that has made splendid performance records... Stewart-Warner double tube sets that have just been reduced in price to $1.75 each, and laboratory tested antenna kits for aerial installation.

For all its efficiency, Matched Unit Radio is not expensive. Any of the Stewart-Warner dealers whose names appear on this page will gladly demonstrate Stewart-Warner radio in your own home. Ask your nearest dealer to demonstrate the National Home Power Unit for "A" current, and the famous Majestic "B" Eliminator which, with Stewart-Warner radio, make an unbeatable radio combination operating from the electric lighting current in your home.

Los Angeles Dealers

ARROYO GRANDE, J. D. Truitt
ARROYO GRANDE Plumbine and Electric Co.

ARTESIA, Wm. B. Hayes
325 N. Main St.

BARSTOW, Barlow Radio Store

BELLEFLOWER, Stewart-Warner Radio

BREA, Bennett's Radio Shop
125 N. Pomona Ave.

CHATS WORTH, C. H. Prestige & Son

COLTON, H. C. Gilb

COMPTON, Model Electric Co.
115 E. Main St.

COYNA, Harald R. Hoover
115 College Ave.

CULVERT CITY, Culver City Radio & Electronics Co.

EL SEGUNDO, B. W. McCullough

EL MONTE, Wagner & King
23 Monte Edina, Co.

GARDENA, Don Spero

GLENDALE, Alexander Radio Shoppe

GLENDALE, Wm. Holtman

HUNTINGTON PARK, H. L. (Radio)-King

LONG BEACH, Harold A. Nickles
192 Nisio St.

LONG BEACH, W. L. Horrell
745 Pine St.

LYNWOOD, Lynwood Elec. Co.

LYNWOOD, C. E. Graham

OCEAN PARK, Greatest Tire and Supply Co.

PALM, tank and Main St.

ORANGE, Ray Des Larzay
143 N. Glendart St.


PASADENA, Wyrck & Varley

PASADENA, Wyrck & Varley

PASADENA, Premier Radio
111 California St.

PASADENA, DeWitts Radio

PASADENA, DeWitts Radio

PASADENA, DeWitts Radio

PASEO ROBLES, R. H. Reames

PICO, Geo. H. Haits

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REDONDO, L. L. Sales Co.

REDONDO, L. L. Sales Co.

REDONDO, L. L. Sales Co.

RIVERSIDE, Frank W. Cheney

SAN BERNARDINO, Gurr, Smith & Grob

SAN FERNANDO, Willis Rowe

SAN GABRIEL, A. Burman

SAN PEDRO, Pedro Furr, Co.

SAN PEDRO, Pedro Furr, Co.

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SAN PEDRO, Mother's Music Store

SANTA BARBARA, W. F. Parker

SANTA BARBARA, W. F. Parker

SANTA MARIA, Ford & Smart

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TONOPA, NEVADA

T</file>
Los Angeles, California—467 Meters

4000 WATTS—640 KILOCYCLES

Radio Central Super-Station of Earle C. Anthony, Inc.
1000 S. Hope. Phone WE. 0331. After P. M., WE. 0337
Class "B" 5000-Watt W. E. Sta. Operating on 4000 Watts

ROBERT HURD, Program Manager

DAILY EXCEPT SUNDAY—
6:15 p.m.—Radio torial.
6:30 p.m.—Vest Pocket.

MONDAY, WEDNESDAY AND FRIDAY—
10:00 a.m.—Church services under direction of L. A. Church Federation.
11:00 a.m.—Sermons by the Temple Baptist Church.
2:50 p.m.—San Francisco Symphony Orchestra, Alfred Hertz director, presented by Standard Oil Company of California, broadcast simultaneously by KFI, KPO and KCO.
6:00 p.m.—Program by the Russian Academy of Musical Art Trio, featuring Boris Myronoff, piano; Hischa Speigel, violin, and Alex Borrisoff, 'cello.
7:00 p.m.—Evelyn Mason Jubilee Quartet, with soloists.
8:00 p.m.—Packard Classic Flour, arranged by Carl Edward Hatch.
9:00 p.m.—Packard Six Orchestra, Bill Hennessy director.
10:00 p.m.—Packard Six Orchestra, Bill Hennessy director.

WEEK COMMENCING SUNDAY, FEBRUARY 27, 1927

SUNDAY, FEBRUARY 27—
10:00 a.m.—Church services under direction of L. A. Church Federation.
11:00 a.m.—Sermons by the Temple Baptist Church.
2:50 p.m.—San Francisco Symphony Orchestra, Alfred Hertz director, presented by Standard Oil Company of California, broadcast simultaneously by KFI, KPO and KCO.
6:00 p.m.—Program by the Russian Academy of Musical Art Trio, featuring Boris Myronoff, piano; Hischa Speigel, violin, and Alex Borrisoff, 'cello.
7:00 p.m.—Evelyn Mason Jubilee Quartet, with soloists.
8:00 p.m.—Packard Classic Flour, arranged by Carl Edward Hatch.
9:00 p.m.—Packard Six Orchestra, Bill Hennessy director.
10:00 p.m.—Packard Six Orchestra, Bill Hennessy director.

MONDAY, FEBRUARY 28—
5:30 p.m.—Virgil Ray's Winter Garden Orchestra.
7:00 p.m.—Starke Sisters (Minnie and Maude); Halie Hooper, tenor.
8:00 p.m.—Kitty Short, soprano; Leon Goldwasser, violinst; May Orcutt, accompanist.
9:00 p.m.—Mrs. Edward C. Grossman, contralto; Ruth Rodecker, mezzo soprano; Fred Scott, tenor.
10:00 p.m.—Program by Melkie John Bros.

TUESDAY, MARCH 1—
5:30 p.m.—The Dragon Hawaiians.
7:00 p.m.—Jack Martin's Hawaiian Trio; Joey Star and his orchestra.
8:00 p.m.—Gatton String Quartet, with Virginia Flohr, soprano, and Will Garraway, pianist.
9:00 p.m.—Thomas Wallace, baritone; Leontine Redon, mezzo soprano; Leoline Walton, concert pianist.
10:00 p.m.—Program the Azure Music Club; Glenn Edmunds and his Collegians.

WEDNESDAY, MARCH 2—
5:30 p.m.—Matinee program.
7:00 p.m.—Ray Fisher's Original Victorians Dance Orchestra.
7:30 p.m.—Nick Harris, detective stories.
7:45 p.m.—William MacDougall, Scotch comedian.
8:00 p.m.—Alma Frances Gordon, contralto; Calpet String Quartet, Ray Bailey director.
9:00 p.m.—Los Angeles Symphony Orchestra, Walter Henry Rothwell conductor; Virginia Flohr, soloist, with the orchestra, presenting the program from the stage of the Philharmonic Auditorium, by the Standard Oil Company of California, broadcast simultaneously by KFI and KPO.

THURSDAY, MARCH 3—
5:30 p.m.—Sebastian's Cotton Club Orchestra.
7:00 p.m.—Program by the University of Southern California.
8:00 p.m.—KFI Drama Hour: Grace Mead, soprano.
9:00 p.m.—J. Maurice Woods, baritone; Bonnie Adams, Silvertone Ladies' Quartet.
10:00 p.m.—Johnston and Farrell's Music Box Hour, Director Gene Johnston.

FRIDAY, MARCH 4—
5:30 p.m.—Henry Starr, pianist and vocalist.
7:00 p.m.—Aeolian organ recital.
8:00 p.m.—Program by Paul Roberts and Leslie Adams.
9:00 p.m.—Monrovia High School Orchestra.
10:00 p.m.—Packard Ballad Hour: Emma Kimmel, soprano; Harry Rowe, baritone.

SATURDAY, MARCH 5—
5:30 p.m.—Mosby's Hot Five Dance Orchestra.
7:30 p.m.—Felipe Delgado, Media Horn, Los Angeles; Edna Clark Murray pianist.
8:00 p.m.—Monrovia High School Orchestra.
9:00 p.m.—Alma Frances Gordon, contralto; Liran Arie, pianist.
10:00 p.m.—Packard Radio Club.
11:00 p.m.—Midnight Frolics.

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Program Published as Submitted by the Station.
for Kellogg, Gilfillan and these great accessories
Sherman, Clay & Co!

Good Territory Still Open to Live Dealers

Victor
loudspeakers
Rola
cone speakers
R. C. A.
radiotrons
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batteries
Philco
batteries and
socket powers
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"Auto-Power"
A-Battery
eliminators
All-American
B-Battery
eliminators
O'Neil
cone loud-
speakers
Brach
relay switches
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receiver
Kellogg
receiver

Kellogg Console Model, shown above, contains Speaker of "folded air column" type; amplifies all frequencies impartially and delivers tone exactly as broadcast. Non-microphonic — cannot squeal or howl.

Without Accessories, $375.00.
Table Model, Without Accessories, $230.00.

Coast Distributors —

Sherman, Clay & Co.

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Los Angeles: 10th and Santee Sts.
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For information as to DEALER TERRITORY clip and mail this to nearest Sherman Clay & Co. wholesale branch. (R. D.)

Name
Address
Interested in

Adv. 399
SUNDAY, FEBRUARY 27—
10:00 a.m.—Sermon from the KHJ Studio by Dr. Charles F. Hutsler, pastor of Washington Christian Church of Pasadena.
10:30 a.m.—Morning services from the First M. E. Church; Silbey G. Pease, organist.
7:00 to 8:00 p.m.—Evening services from the First M. E. Church.
8:00 to 10:00 p.m.—News items. Program featuring Burr McIntosh from 8:15 to 8:45, called "Cheerful Philosopher". Frederick MacMurray, violin; Louise Miller, studio pianist.

MONDAY, FEBRUARY 28—
8:00 p.m.—News items and weather report.

TUESDAY, MARCH 1—
2:30 p.m.—Bridge game.
6:00 to 6:30 p.m.—KHJ Trio and J. Walter Leopold.
6:30 to 7:40 p.m.—Children's program presenting Dick Winslow, screen juvenile; Glenn Fitz, "Optimistic Mascot"; Patricia Eccleston, "Little Daffodil"; Lois Jane Campbell, "Brown Eyes"; and Vivian Marple, "Blue Bell of KHJ."
7:40 p.m.—Dr. Mars Baumgardt, "Astronomy."
8:00 to 10:00 p.m.—News items. Program by Pokrovsky Institute of Music.
9:00 to 10:00 p.m.—Musical program with visiting artists from KOIL. Council Bluffs, la.
10:00 p.m.—Los Angeles Railway Orchestra.

WEDNESDAY, MARCH 2—
2:30 p.m.—Garden talk by Fred McNabb.
6:00 to 6:30 p.m.—KHJ Trio and J. Walter Leopold.
6:30 to 7:40 p.m.—Children's program presenting Dick Winslow, screen juvenile; Glenn Fitz, "Optimistic Mascot"; Patricia Eccleston, "Little Daffodil"; Lois Jane Campbell, "Brown Eyes"; and Vivian Marple, "Blue Bell of KHJ."
7:40 p.m.—Dr. Mars Baumgardt, "Astronomy."
8:00 to 10:00 p.m.—News items. Program presented by Tyrolean Zither Club.
10:00 to 11:00 p.m.—Jininnan Vale Orchestra.

THURSDAY, MARCH 3—
6:00 to 6:30 p.m.—KHJ Trio and J. Walter Leopold.
6:30 p.m.—Children's program including Joyce Coad, "Little Red Riding Hood"; June Brandon, contralto; Dickie Brandon, reader; Rosetta Lewin, "Curley Locks." and Jeanne DeBard, "Bonnie Jeanne," and others.
7:00 to 8:10 p.m.—Children's program and de luxe program presenting Zoeller Quartet, Leo H. Sansiper, Russian baritone.
9:00 p.m.—Arthur Edwin Wake, assistant pastor of Wilshire Presbyterian Church.
10:00 to 11:00 p.m.—Glenn Edmunds and his Varsity Four.

FRIDAY, MARCH 4—
6:00 to 6:30 p.m.—KHJ Trio and J. Walter Leopold.
6:30 p.m.—Children's program presenting Marguerite Bringham, "Nightingale"; Henrietta Poland, "Forget-Me-Not"; Richard Headrick, "Little Minister"; Roberta Bush, "Firefly"; Catherine Cotter, "Sweetheart of Radioland"; Billy Lord, "Police Comrade"; Margaret Bond, violinist; Bettineau Pfefferkorn, Bob o' Link.
8:00 to 10:00 p.m.—News items. Musical program presenting Grace Currey, harpist; Dot Street, soprano, and others.
9:00 p.m.—Talk on international relations.

SATURDAY, MARCH 5—
6:00 to 6:30 p.m.—KHJ Trio and J. Walter Leopold.
8:00 to 10:00 p.m.—Los Angeles Railway Hawaiian Quartet; Mr. and Mrs. Benjamin Sears, old-time fiddlers, and their Husking Bee Dancers, and E. A. Mulford, "Dixie Dan," and others.

Program Published as Submitted by the Station.
The Catalina Island Swim
One of these sets accompanied Mrs. Margaret Hauser in her swim.
Several of the swimmers had this set on their pilot boat.

The Companionable Set
Light weight—easily handled—can be taken anywhere.
Perfect reproduction, selectivity, volume; beautifully designed.
Will fit in any setting.
The lowest priced set of its kind on the market.

ON DISPLAY IN LOS ANGELES AT
The Ambassador Hotel
The Biltmore Hotel
Subway Terminal Waiting Room (between 4th and 5th on Hill St.)
13 Mercantile Arcade

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Johnson Radio Co., 668 Geary Street, San Francisco
The Radio Studios, 1207 Fourth Ave., Seattle

KEMPER RADIO LABORATORY
1236 Santee St. LOS ANGELES WEstmore 2504
Makers of Kemper Ampliphonic Console
Hollywood, California—337 Meters

KNX

750 WATTS—980 KILOCYCLES
LOS ANGELES EVENING EXPRESS
Paul G. Hoffman's Studebaker Bldg., 6116 Hollywood Blvd., Hollywood. Phone HEMstead 4101
NAYLOR ROGERS, Manager and Program Director
GLEN RICE, Asst. Manager.

"The Voice of Hollywood"

DAILY EXCEPT SUNDAY—
8:00 a.m.—Inspirational talk and morning prayer.
8:15 a.m.—Time signals from Washington, D. C., followed by Birthday notices.
9:00 a.m.—Radio Shopping News, conducted by Carey Preston.
10:00 a.m.—Town Crier of the Day and his pals.
12:00 noon—Kate Brew Vaughn, Director Household Economics Dept., Evening Express, except Friday and Saturday.
12:30 p.m.—The Book Worm.
2:00 p.m.—George Redman's Concert Orchestra playing from Leighton's Arcade Cafeteria.
4:00 p.m.—Lost and Found Column.
4:55 p.m.—Market reports.
5:00 to 5:45—"Optimist Daily Message."
5:45 p.m.—The Town Tattler.
6:00 to 6:30 p.m.—Biltmore Concert Orchestra.
6:30 p.m.—Dinner hour concert, presenting the Yale Radio Battery Orchestra.

WEEK COMMENCING SUNDAY, FEBRUARY 27, 1927

SUNDAY, FEBRUARY 27—
10:00 a.m.—First Presbyterian Church of Hollywood, Rev. Stewart P. MacLennan.
2:00 to 4:00 p.m.—City Park Board musical program.
4:00 p.m.—Roberts Golden State Band.
5:15 p.m.—All Souls Church.
6:30 p.m.—First Unitarian Church.
7:00 p.m.—First Presbyterian Church of Hollywood, Rev. Stewart P. MacLennan.
8:00 p.m.—Circle Theatre Concert Orchestra and organ recital.
9:00 p.m.—Feature program.

MONDAY, FEBRUARY 28—
3:00 p.m.—First Presbyterian Church of Hollywood.
7:00 p.m.—George J. Birkel Music Co. courtesy program.
7:30 p.m.—Playlet, courtesy Overfill Furniture Company.
8:00 p.m.—L. W. Stockwell Company courtesy program.
9:00 p.m.—B. F. Goodrich Rubber Co. of Akron, Ohio.
10:00 p.m.—KNX Feature Program.
11:00 p.m.—Hotel Ambassador; Gus Arnheim's Cocoanut Grove Orchestra.

TUESDAY, MARCH 1—
3:00 p.m.—Combined program of the Police and Fire Departments.
4:00 p.m.—Radio Matinee with Louise Howatt, contralto.
7:00 p.m.—Wilshire Ionaco Company.
8:00 p.m.—Feature program.
10:00 p.m.—Hotel Ambassador; Gus Arnheim's Cocoanut Grove Orchestra.

WEDNESDAY, MARCH 2—
3:00 p.m.—Paul Hugon.
3:30 p.m.—Musical program.
4:00 p.m.—Edward Murphy in 55 minutes of "What Have You."
7:00 p.m.—George J. Birkel Music Co. courtesy program.
7:30 to 10:00 p.m.—Feature programs.
11:00 p.m.—Hotel Ambassador; Gus Arnheim's Cocoanut Grove Orchestra.

THURSDAY, MARCH 3—
11:00 a.m.—Nature talk, courtesy Marvel Ant Gelantine Co.
7:00 p.m.—Carthay Circle Theatre organ recital, courtesy Overfill Furniture Co.
8:00 p.m.—Bert Farrar, inc. courtesy program.
9:00 to 11:00 p.m.—Feature program.
11:00 p.m.—Hotel Ambassador; Gus Arnheim's Cocoanut Grove Orchestra.

FRIDAY, MARCH 4—
3:00 p.m.—L. A. District Federation of Women's Clubs musical program.
4:00 p.m.—Boy Scouts' musical program.
7:00 p.m.—Fitzgerald Music Company.
7:30 p.m.—Dearden's Furniture Company.
8:00 p.m.—Davis Perfection Bread Co. courtesy program.
9:00 p.m.—Feature program.
10:00 p.m.—Main events from the American Legion Stadium.
11:00 p.m.—Hotel Ambassador; Gus Arnheim's Cocoanut Grove Orchestra.

SATURDAY, MARCH 5—
3:00 p.m.—Town Crier of the Day and his Pals.
7:00 p.m.—Stories of insect life by Harry W. McSpadden.
7:25 p.m.—Announcement of Sunday services of the leading Los Angeles churches.
7:30 to 9:00 p.m.—Feature programs.
10:00 p.m.—Hotel Ambassador; Gus Arnheim's Cocoanut Grove Orchestra.
11:00 p.m.—KNX Frolic from the main studio.

Program Published as Submitted by the Station.
Atwater Kent Radio

For Every Need

Atwater Kent Receivers, built in three models, two of which are illustrated here, all have exceptional characteristics which place them on a plane unattained by any other radio at whatever price.

One feature alone, the practical, workable REAL One-Dial Control distinguishes Atwater Kent from all others. Half a turn of the single dial covers the entire broadcast range, each station coming in clearly and sharply without mingling with any other station.

You will never tire of the sensation of "calling the roll," — sampling the programs of each station that's on the air and within range, and turning back to the one of your choice instantly.

Your nearest Atwater Kent Dealer will be glad to have you try any model.

All models can be equipped to operate from a light socket or batteries.

Ray Thomas Inc.
Atwater Kent Distributor

1248 S. Hope St.  WE 6334
Los Angeles
Hollywood, California—252 Meters

KFWB

DAILY EXCEPT SUNDAY—
12:30 to 1:30 p.m.—Classified Hour.
5:40 to 6:00 p.m.—Beauty Talk.
6:00 to 7:00 p.m.—Pontiac Six Dinner Hour.
10:00 to 11:00 p.m.—Musical program from Mayfair Hotel.
11:00 to 12:00 p.m.—Dance music from El Patio Ballroom.

MONDAY, TUESDAY AND WEDNESDAY—
5:00 to 5:40 p.m.—Children's Hour.

WEEK COMMENCING SUNDAY, FEBRUARY 27, 1927

SUNDAY, FEBRUARY 27—
2:00 to 3:00 p.m.—Organ recital, from organ in Roosevelt Memorial Park.
8:30 to 9:00 p.m.—Program by courtesy of the Southern California Music Co.
9:00 to 11:00 p.m.—Warner Bros. Frolic.

MONDAY, FEBRUARY 28—
8:00 to 9:00 p.m.—LeRoy Kullberg, Jackie Lucas, Warner Bros. Dance Orchestra.
9:00 to 10:00 p.m.—Frank Barry, tenor; Warner Bros. European Novelty Orchestra.

TUESDAY, MARCH 1—
4:45 to 5:00 p.m.—Dr. L. F. Clark on "Diet."
7:00 to 7:30 p.m.—Program by courtesy of the Southern California Music Company.
7:30 to 8:00 p.m.—Warner Bros. Orchestra.
8:00 to 9:00 p.m.—Adolph Treusch, popular songs; Georgia Brazell, blues songs; Warner Bros. Orchestra.
9:00 to 10:00 p.m.—Patrick O'Neill, tenor; Margaret Melrose, soprano; Warner Bros. String Trio.

WEDNESDAY, MARCH 2—
7:00 to 7:30 p.m.—Thirty minutes of sunshine by Charles W. Hamp.
7:30 to 8:00 p.m.—Warner Bros. Orchestra.
8:00 to 9:00 p.m.—Kenneth Gallum, popular songs; Ruth Michelson, blues songs; Warner Bros. Orchestra.
9:00 to 10:00 p.m.—Byrle Colby, ballads; Charles Beauchamp, tenor; Warner Bros. String Trio.

THURSDAY, MARCH 3—
7:00 to 7:30 p.m.—Program by courtesy of the Southern California Music Company.
7:30 to 8:00 p.m.—Warner Bros. Orchestra.
8:00 to 9:00 p.m.—Virginia King, Charlie Cole, Warner Bros. Orchestra.
9:00 to 10:00 p.m.—Ina Mitchell Butler, ballads: Edwin Sonntag, baritone: Warner Bros. String Trio.

FRIDAY, MARCH 4—
7:00 to 7:30 p.m.—Warner Bros. Orchestra: Jack Medford, popular songs.
7:30 to 8:00 p.m.—Program by courtesy of the La Vina Investment Company.
8:00 to 9:00 p.m.—Inez King, popular songs; LeRoy Kullberg and his ukulele.
9:00 to 10:00 p.m.—Melody Makers' Hour; studio chatter at 9:30.

SATURDAY MARCH 5—
7:00 to 8:00 p.m.—Carl Dye and his Melody Makers: Harry Monahan, popular songs.
8:00 to 9:00 p.m.—Program by courtesy of the Mona Motor Oil Company, featuring Julius Phillips, Luella James, Mona Motor Oil Company Trio.
9:00 to 10:00 p.m.—John Canton, tenor; Catherine Melville, soprano; Warner Bros. String Trio.

Program Published as Submitted by the Station

CROSLEY SPECIALISTS

PERFECT TONE, SELECTIVITY, STABILITY and DISTANCE

Are the results of our exact balancing. Have your Crosley improved at nominal cost. Satisfaction guaranteed. Open evenings.

CHILDS LABORATORY

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Is Your Radio Set Up-to-date?

There is as much difference between a receiver that has power output equipment and one that lacks it as there is between a clear November morning and a foggy winter night. Power equipment gives your receiver tone quality. Use CX-371 or CX-112 in the last audio stage to feed the loud speaker.

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

INSIST ON

Cunningham RADIO TUBES

In the Orange and Blue Cartons

Type CX-371 Power Tube will carry without distortion 20 times as much volume as the CX-301-A. Can be adapted to any set using 6-volt storage battery. Price $4.50.

Type CX-300-A Super Sensitive Detector increases the volume equal to that obtained by adding another stage of radio frequency amplification. No change in set construction necessary. Price $4.00.

Type CX-112 Power Tube is especially adapted to lower powered receivers where high amplification and not volume capacity is required. Price $4.50.

Type CX-220 Power Tube for dry cell operated sets, has approximately 4 times the volume of the CX-299. Easily adapted to any set. Price $2.50.

Cunningham Tube Distributors for Southern California

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Distributors of Fine Radio Merchandise Since 1919

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LOS ANGELES

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Hollywood, California—370.2 Meters

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KMTR RADIO STATION
1025 N. Highland Avenue, Hollywood 3028
Owned and Operated by C. C. JULIAN
FORBES W. VAN WHY, Engineer-in-Charge

DAILY EXCEPT SUNDAY—
7:30 to 8:00 a.m.—J. C. Casey in Setting-up Exercises.
12:00 to 12:30 p.m.—Leighton’s Arcade Cafeteria Orchestra.
12:30 to 1:30 p.m.—Who’s Who Program.
1:30 to 2:30 p.m.—Radio Press Hour.
2:30 to 3:30 p.m.—Palais de Dance.
3:30 to 4:00 p.m.—Whispering Jack Don.
4:00 to 4:15 p.m.—Vacation Days.
5:00 to 5:30 p.m.—Home Hour.

G. ALLISON PHelps
Manager and Announcer

SUNDAY, FEBRUARY 27—
5:30 to 6:00 p.m.—White King Male Quartet.
5:30 to 6:15 p.m.—Nightly Doings.
6:15 to 7:00 p.m.—Leighton’s Arcade Cafeteria Orchestra.
7:00 to 7:30 p.m.—Musical Program.
10:00 to 11:00 p.m.—Miller’s Lafayette Cafe Orchestra.
11:00 to 12:00 midnight—Palais de Dance.

MONDAY, FEBRUARY 28—
7:30 to 8:00 p.m.—Lavine Investment Company, courtesy program.
8:00 to 9:00 p.m.—Eureka Vacuum Cleaner Company program.
9:00 to 10:00 p.m.—Precision Electric Company, courtesy program.

TUESDAY, MARCH 1—
10:00 to 10:15 a.m.—Fifteen Minutes of Sunshine by Charles Hamp.
10:45 to 11:00 a.m.—Georgin O. George, "Physiology and Psychology of Beauty."
11:00 to 12:00 noon—Mme. Alene’s Talk.
12:00 to 1:30 p.m.—Campbell and Ginger courtesy program.
8:00 to 9:00 p.m.—Maxwell House Coffee Orchestra and assisting artists.
9:00 to 10:00 p.m.—Courtesy program.

WEDNESDAY, MARCH 2—
4:30 to 5:00 p.m.—Dr. Wesley M. Barrett. "Perfect Eye-Sight without Glasses."
8:00 to 9:00 p.m.—Safeway Stores courtesy program.
9:00 to 10:00 p.m.—Sponsored program.

THURSDAY, MARCH 3—
10:00 to 10:15 a.m.—Fifteen Minutes of Sunshine by Charles Hamp.
7:30 to 8:00 p.m.—Winslow B. Felix. Chevrolet courtesy program.
8:00 to 10:00 p.m.—Ruth Roland night.

FRIDAY, MARCH 4—
1:00 to 1:30 p.m.—H. L. Copson Body and Top Works courtesy program.
7:30 to 8:00 p.m.—Thirty Minutes of Sunshine by Charles Hamp.
8:00 to 9:00 p.m.—Alta Club Ginger Ale program.
9:00 to 10:00 p.m.—Income Realty and Construction Company courtesy program.

SATURDAY, MARCH 5—
10:00 to 10:15 a.m.—Charles Hamp, director of Radio activities for the Iona Company.
7:30 to 7:40 p.m.—Sheriff’s Office, Bureau of Public Relations.
7:40 to 8:00 p.m.—KMTR Movie Club program.
8:00 to 10:00 p.m.—Campbell & Ginger courtesy program.

Program Published as Submitted by the Station.

SHEPHERD RADIO SERVICE
Authorized Dealer for
Stromberg-Carlson, Federal Ortho-Sonic Receiving Sets
We specialize in correcting balky receivers. Super-Heterodynes, Infrafadynes, Roberts, etc., made to perform efficiently.
Transformers Matched, Coils Balanced
Phone Us Your Troubles. Our Service Will Please
Batteries Changed, Tubes Reactivated. Work Called for and Delivered
GRanite 7482
7562 Sunset Boulevard Hollywood, California
Selling Like Hot Cakes

The Powell ‘B’ Eliminator

Unconditionally Guaranteed

Absolutely No Hum

Operates any set from light socket without the use of expensive and troublesome “B” batteries. A large surplus of power at 100 volts and at a cost of only a few cents a year.

MORE VOLUME — MORE DISTANCE
GREATER SATISFACTION
BETTER QUALITY — BETTER PRICE

No Tubes, No Acid and Nothing Else to Buy

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Powell Manufacturing Co.
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Los Angeles, Calif.
SUNDAY, FEBRUARY 27—
10:45 a.m. to 12:30 p.m.—Regular service of the Church of the Open Door.
3:00 to 4:00 p.m.—Jewish Radio Hour. Rev. David L. Cooper and assistants.
6:00 to 7:00 p.m.—Radio Vesper Service. Sermon by Dr. Ralph Atkinson.
7:15 to 9:30 p.m.—Regular evening service of the Church of the Open Door.
MONDAY, FEBRUARY 28—
8:00 to 9:00 p.m.—Bible exposition by Dr. W. E. McCulloch.
TUESDAY, MARCH 1—
8:00 to 9:00 p.m.—Bible exposition by Dr. W. E. McCulloch.
WEDNESDAY, MARCH 2—
9:15 to 9:45 a.m.—Sylvia's Rainbow Hour.
8:00 to 9:00 p.m.—Bible exposition by Dr. John McNeill.
THURSDAY, MARCH 3—
8:00 to 9:00 p.m.—Bible exposition by Dr. W. E. McCulloch.
FRIDAY, MARCH 4—
9:15 to 9:45 a.m.—Sylvia's Rainbow Hour.
6:15 to 7:00 p.m.—Aunt Martha's Children's Hour.
7:00 to 8:00 p.m.—Exposition of International Sunday School lesson by Rev. Hubbard.
8:00 to 9:00 p.m.—Bible exposition by Dr. John McNeill.

Program Published as Submitted by the Station.

Los Angeles, California—275.1 Meters

DAILY EXCEPT SUNDAY AND MONDAY—
10:30 to 11:30 a.m.—Sunshine Hour.
1:30 a.m. to 12:30 p.m.—Noonday Musical.
6:30 to 7:30 p.m.—Angeles Hour.

DAILY EXCEPT SUNDAY, MONDAY, WEDNESDAY, SATURDAY—
2:30 to 3:30 p.m.—Grey Studio Program.

SUNDAY, FEBRUARY 27—
10:30 to 12:30 p.m.—Sunday morning worship, Evangelist A. G. Garr.
2:30 to 4:30 p.m.—Afternoon Dispensational service by A. G. Garr.
6:30 to 8:00 p.m.—Musical Hour. Angeles Temple Band and Choir.
8:00 to 9:00 p.m.—Revival service by A. G. Garr.
10:00 to 11:00 p.m.—Organ recital by Esther Frickes Greene.

TUESDAY, MARCH 1—
3:30 to 4:30 p.m.—Vesper Hour. Organ recital by B. Earnest Ballard.
7:30 to 9:30 p.m.—Evangelistic service by student evangelists.

THURSDAY, MARCH 3—
2:30 to 5:30 p.m.—Divine Healing Service by A. G. Garr.
7:30 to 9:30 p.m.—Regular mid-week prayer service by A. G. Garr.

WEDNESDAY, MARCH 2—
3:30 to 4:30 p.m.—Vesper Hour. Organ recital by B. Earnest Ballard.
7:30 to 9:30 p.m.—Regular Water Baptismal service. A. G. Garr.
9:15 to 10:00 p.m.—Grey Studio Program.
10:00 to 11:00 p.m.—Organ recital by Esther Frickes Greene.

FRIDAY, MARCH 4—
3:30 to 4:30 p.m.—Vesper Hour. Organ recital by Esther Frickes Greene.
7:30 to 9:30 p.m.—Crusader Rally. Sermon by A. G. Garr.
10:00 to 11:00 p.m.—Back Home Hour.

SATURDAY, MARCH 5—
3:30 to 4:30 p.m.—The Children's Happy Hour.
7:30 to 9:30 p.m.—Divine Healing Service, conducted by A. G. Garr.

Program Published as Submitted by the Station.
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Radio Doings

February 26

Hollywood, California—226 Meters

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GLadstone 3197; GLadstone 3198

DAVE WARD, Program Director and Announcer

L. E. TAFT, Technical Engineer

"The Palace Bungalow Studio"

DAILY EXCEPT SUNDAY—

12:00 to 1:00 p.m.—Los Angeles Merchants’ and Manufacturers’ Hour.
6:00 to 7:00 p.m.—Musical Hour.

Dave Ward

WEEK COMMENCING SUNDAY, FEBRUARY 27, 1927

SUNDAY, FEBRUARY 27—
8:00 p.m.—Aram Galanian’s Orchestra and Al Flanagan, soloist.
9:00 p.m.—Dave Ward and his Yellow Jackets; Virginia King, accompanied by Mable King: Joe Hawley, and Al Ybarra.

MONDAY, FEBRUARY 28—
7:30 p.m.—Joe Kailhi’s Hawaiian Trio, and Kathrine Williamson.
8:00 p.m.—Semi-classical Hour by Myra Belle Vickers.
9:00 to 11:00 p.m.—Dave Ward and his Yellow Jackets; L. A. Railway Quartet.

TUESDAY, MARCH 1—
7:00 p.m.—Warren Peterson and Bud Overbeck.
7:30 p.m.—Wilshire Ionico lecture.
8:00 p.m.—Rebroadcast of eastern station.
9:00 p.m.—Police and Fire Joint program, Officer Robt. F. Tracy.

WEDNESDAY, MARCH 2—
7:00 p.m.—Dr. Rudolph H. Gerber.
7:30 p.m.—Ed Pose and Helen Boyd.
8:00 p.m.—Redel’s Orchestra and Art Goodstein.
9:00 p.m.—Dave Ward and his Yellow Jackets, Honeywell Twins, Helen McColl and Virginia King accompanied by Mable King.

THURSDAY, MARCH 3—
7:00 p.m.—Questions and answers by L. E. Taft.
7:30 p.m.—Jack Martin’s Hawaiian Trio and Ruth Raynor.
8:00 p.m.—Bob Buckner’s Sole Killers and Ned Miller.
9:00 p.m.—Los Angeles Railway Orchestra, Ruth Michelson and Royal Wallace.

FRIDAY, MARCH 4—
7:00 p.m.—Hott Gibson’s Hawaiian Trio and Hale Hooper.
7:30 p.m.—Wilshire Ionico lecture.
8:00 p.m.—Paramount Six Dance Orchestra, Dot Jordan and Glenda Boston.
9:00 p.m.—Dave Ward and his Yellow Jackets, Pot Lee and Helen McColl.

SATURDAY MARCH 5—
12:00 noon—Paris Inn Cafe Orchestra and Bert Roverre, soloist.
7:00 p.m.—Joey Starr Dance Orchestra and Dick Powers.
8:00 p.m.—Eddie Mills and his 14 String of Harmony.
9:00 p.m.—Dave Ward and his Yellow Jackets, Bud Riley, Don Stevens and Jolee Lee.

Signing off nightly at 11 p.m.

Program Published as Submitted by the Station

Los Angeles, Calif.—517 Meters

1000 WATTS—580 KILOCYCLES

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BOB SHULER, Pastor

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Announcer

SUNDAYS—

10:50 a.m. to 12:15 p.m.—Morning services.
5:00 to 6:00 p.m.—Vesper hour.
7:15 to 9:00 p.m.—Evening services.
9:00 to 10:00 p.m.—Old Hymns Songfest.
10:00 p.m.—Family Altar service.

WEDNESDAYS—

6:00 to 7:00 p.m.—Children’s hour.
7:00 to 7:45 p.m.—Conrey’s Bible Class.
7:45 to 8:30 p.m.—Studio musical program.
8:30 to 9:15 p.m.—Question Hour.

FRIDAYS—

7:00 to 7:30 p.m.—Radio Bible Class.
7:30 to 8:00 p.m.—Studio musical program.
8:00 to 8:30 p.m.—Civic half hour.
8:30 to 9:30 p.m.—Southern California Holiness Association.

Program published as submitted by the station.
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KPSN

DAILY EXCEPT SUNDAY—
12:00 to 12:15 p.m.—News Bulletin.
6:00 to 7:00 p.m.—Dinner-time news report.

WEEK COMMENCING SUNDAY, FEBRUARY 27, 1927

SUNDAY, FEBRUARY 27—
10:30 a.m.—Family Altar Service by the United Church Brotherhoods.
11:00 a.m.—Services from the Pasadena Presbyterian Church.
6:00 to 7:00 p.m.—Star-News concert, with Adolf Tandler and the Ensemble.

MONDAY, FEBRUARY 28—
8:00 to 9:15 p.m.—Star-News concert, with Adolf Tandler and the Ensemble.

TUESDAY, MARCH 1—
8:00 to 9:15 p.m.—Star-News concert, with Adolf Tandler and the Ensemble.

THURSDAY, MARCH 3—
8:00 to 9:15 p.m.—Star-News concert, with Adolf Tandler and the Ensemble.

FRIDAY, MARCH 4—
8:00 to 9:15 p.m.—Star-News concert, with Adolf Tandler and the Ensemble.

SATURDAY, MARCH 5—
8:00 to 9:15 p.m.—Star-News concert, with Adolf Tandler and the Ensemble.

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February 26

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KMIC

500 WATTS—775 KILOCYCLES

Owned and Operated by JAMES R. FOUCH
Chamber of Commerce Building, Inglewood, Cal.

JACK DUCKWORTH, Announcer

DAILY EXCEPT SUNDAY—

6:00 to 6:30 p.m.—Shoppings news, with Victor Electrola Review

WEEK COMMENCING SUNDAY, FEBRUARY 27, 1927

SUNDAY, FEBRUARY 27—

11:00 a.m. to 12:15 p.m.—Centinella Baptist Church.

MONDAY, FEBRUARY 28—

6:30 to 7:00 p.m.—Martin Wallace Orchestra Request program.
7:00 to 8:00 p.m.—Lambert Sales Company Courtesy Program.
8:00 to 9:00 p.m.—City of Inglewood Courtesy Program.
9:00 to 10:00 p.m.—Geo. M. Sutton Courtesy Program. KMIC Trio, Louise White, soprano; Nell Larson, piano; Don Miner, tenor.

TUESDAY, MARCH 1—

6:30 to 6:45 p.m.—California Health Chatauqua, care of the body.
6:45 to 7:00 p.m.—Skinner Mfg. Co., Courtesy Program.
7:00 to 7:30 p.m.—Studio Program.
7:30 to 8:00 p.m.—Reliable Radio Sales & Service Co., Courtesy Program.
8:00 to 10:00 p.m.—Wes. Woodford and His Bachelor Four, request program.

WEDNESDAY, MARCH 2—

6:30 to 7:30 p.m.—Martin Wallace Orchestra.
7:30 to 8:00 p.m.—Ross O. Porter Tire Company, Courtesy Program.
8:00 to 10:00 p.m.—L. A. Ry. String Quartette. Morris Sisters, Harmony Numbers, Sherman Hunter, tenor; Louise White, soprano.

THURSDAY, MARCH 3—

6:30 to 7:00 p.m.—Gordon Garrett, classic pianist.
7:00 to 7:30 p.m.—Malloy Clint. Courtesy Program.
7:30 to 8:00 p.m.—Inglewood Furniture Company, Courtesy Program.
8:00 to 10:00 p.m.—Wes. Woodford and His Bachelor Evie and Peggy, harmony numbers, Fred Wesley, blues; Don Minor, tenor.

FRIDAY, MARCH 4—

6:30 to 7:30 p.m.—Studio Program.
7:30 to 8:00 p.m.—Skinner Mfg. Co., Courtesy Program, featuring Lempke’s Radio Boys.
8:00 to 10:00 p.m.—Studio Program, with Sherman Hunter, tenor; Louise White, soprano; Morris Sisters, harmony; Lempke’s Radio Boys and others.
10:00 to 12:00 p.m.—American Legion Frolic.

SATURDAY, MARCH 5—

6:30 to 7:00 p.m.—Gordon Garrett Classic Pianist.
7:00 to 8:00 p.m.—Martin Wallace Orchestra.
8:00 to 10:00 p.m.—Bill Livingston and His Radio Boys.

Program Published as Submitted by the Station.

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February 26

Santa Monica, California — 238 Meters

KNRC

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TOM MITCHELL, Studio Manager and Announcer.
C. B. JUNEAU, Transmission Engineer.

"The Station with a Smile"

DAILY EXCEPT SUNDAY—
6:00 to 7:00 p.m.—Club Casa Del Mar organ recital. Remote control.
7:00 p.m.—Merchants Review.
10:00 to 11:00 p.m.—Club Casa Del Mar Orchestra. Remote control.
11:00 to 12:00 p.m.—La Monica Ball Room Orchestra.

DAILY EXCEPT MONDAY—
6:00 to 9:00 p.m.—Band Concert.
8:30 p.m.—Band Concert.

WEEK COMMENCING MONDAY, FEBRUARY 28, 1927

MONDAY, FEBRUARY 28—
4:15 p.m.—Brother Tom and Smiling Circle.
8:00 to 10:00 p.m.—Lee Young Jr. and his Gables Club Orchestra. Smiling Harvey Porter, Dorothy and Dawn Smith.

TUESDAY, MARCH 1—
4:15 p.m.—Brother Tom and his Smiling Circle.
9:00 p.m.—Sherman Hunter, tenor; Georgia Williams Trio.

WEDNESDAY, MARCH 2—
4:15 p.m.—Smiling Circle with Brother Tom.
9:00 p.m.—Pirate Band. Albert Broad, tenor.

THURSDAY, MARCH 3—
4:00 p.m.—Brother Tom and his Smiling Circle.
9:00 p.m.—Red Wyatt, Golda Anderson Trio, Margaret Bechtel, Erma Reed.
10:00 p.m.—Club Casa del Mar Orchestra, by remote control through KNRC.

FRIDAY, MARCH 4—
4:00 p.m.—Brother Tom and his Smiling Circle.
9:00 p.m.—Los Angeles Railway String Quartet and Band.

SATURDAY, MARCH 5—
4:00 p.m.—Brother Tom and his Smiling Circle.
9:00 p.m.—K and R Program.
11:00 p.m.—Gables Club Orchestra by remote control.
12:00 noon.—La Monica Orchestra.

SUNDAY, MARCH 6—
10:45 p.m.—Pilgrim Lutheran Church services by remote control through KNRC.
5:15 p.m.—The Pirate Band.
6:15 p.m.—Pilgrim Church service.
7:00 p.m.—Club Casa del Mar Organ Recital.
8:00 p.m.—Municipal Band Concert.
9:00 p.m.—Club Casa del Mar Recital.
10:00 p.m.—La Monica Ball Room Orchestra.

Program Published as Submitted by the Station.

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Venice, California—205 Meters

KFVD

WEEK COMMENCING SUNDAY, FEBRUARY 27, 1927

SUNDAY, FEBRUARY 27—
10:00 to 12:00 midnight—Venice Ballroom Orchestra.

MONDAY, FEBRUARY 28—
8:30 to 10:00 p.m.—Harry Dinowitzter, violinst; George Thiroux, ukulele artist.
9:00 to 10:00 p.m.—Melba Lyon, KF DV girl and others.
10:00 to 12:00 p.m.—The Venice Ballroom Orchestra, followed by The Ship Cafe Frolc.
8:00 to 10:00 p.m.—Studio Program, featuring Dale Fulton, violinist; Lila Fulton, pianist; Gee Thiroux, popular songster; Roy Davis, whistler; Fred Wesley, tenor, and others.

TUESDAY, MARCH 1—
8:00 to 10:00 p.m.—Studio Program; Harry Dinowitzter, violinist; Virginia Reese, Pianist; the Zerich Family Orchestra; Mr. Henning Banjo Orchestra.

WEDNESDAY, MARCH 2—
8:00 to 10:00 p.m.—Jack Pope’s Californians; Gee Thiroux, tenor; Elizabeth Swan, piano; Eddie Mills, 14 strings of Harmony; Bob Davis, baritone.

THURSDAY, MARCH 3—
8:00 to 10:00 p.m.—Miss Usher, astrologer; The Ancient Trio, their combined ages, 243 years; Geraldine Gordon, female baritone; Art Forbes and his Black Cat Syncopaters.

FRIDAY, MARCH 4—
8:00 to 10:00 p.m.—Claude Bond, piano and accordion; Morris Lenkey, Russian baritone; Dr. Delivante, pianist; Louis Lusich, Slavonian tenor; Bessie Fletcher, soprano, and the Californian Colonials Band.

SATURDAY, MARCH 5—
8:00 to 10:00 p.m.—Eddie Mills’ 14 Strings of Harmony; St. Elmo Russell, piano accordion. Program by the Bureau of Public Safety of the Los Angeles Police Department.
1:00 to 2:00 a.m.—Harry Judson Entertainers’ Hour.

Program Published as Submitted by the Station.

Avalon, California—211.1 Meters

KFWO

THE ISLAND STATION
Power 250 Watts—Western Electric Equipment
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“THE ISLE WITH A SMILE”

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The Mott Station at Catalina Island, California
(In Effect Week of Sept. 20th)

DAILY EXCEPT MONDAY—
12:30 to 1:30—Hotel St. Catherine Orchestra.
6:30 to 8:00—St. Catherine Orchestra.

DAILY EXCEPT MONDAY, THURSDAY AND SUNDAY—
6:00 to 6:30—Studio.

MONDAYS: Silent.
TUESDAYS: 5:00 to 6:00—Miss Hewitt’s Golden Hour.
6:00 to 8:00—Studio.
WEDNESDAYS: 8:00 to 9:00—Studio Program.
9:00 to 12:00 Midnight—Oversea.
THURSDAYS: 8:00 to 9:00—Studio Program.
FRIDAYS: 5:00 to 6:00—Miss Hewitt’s Golden Hour.
6:00 to 6:30—Wrigley Chimes.
SATURDAYS: 3:00 to 4:30—Rebroadcast of KNX.
9:15 to 10:00—Studio.
SUNDAYS: 5:00 to 6:00—Miss Hewitt’s Golden Hour.
6:00 to 6:30—Wrigley Chimes.
8:00 to 9:15—Lobby Concert.

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KFO

DAILY EXCEPT SUNDAY—
10:15 to 10:30 a.m.—"Devotion Period."
10:30 to 11:30 a.m.—Physiology of Beauty, Georgia O. George.
11:45 a.m. to 12:00 noon—Press-Telegram news.
12:00 noon—Lost and found announcements.
4:00 to 4:30 p.m.—Press-Telegram Late News.
4:30 to 6:00 p.m.—Kfon Concert Orchestra.
6:15 to 8:15 p.m.—Request program.
6:15 to 7:00 p.m.—Kfon Concert Orchestra.

DAILY EXCEPT MONDAY—
2:30 to 4:00 p.m.—Municipal Band Concert.

DAILY EXCEPT SUNDAY AND MONDAY—
7:30 to 9:00 p.m.—Municipal Band and studio programs.

SUNDAY, FEBRUARY 26—
11:00 a.m. to 12:30 p.m.—Church of the Nazarene, Rev. L. A. Reed.
1:30 to 2:30 p.m.—Musical program presented by Wm. Conrad Mills.
4:00 to 5:00 p.m.—Vesper Hour.
5:00 to 6:00 p.m.—Kfon Concert Orchestra, sponsored by Long Beach Business Men.
6:15 to 7:00 p.m.—Kfon Concert Orchestra.
7:45 to 9:00 p.m.—Fountain Club Coffee Orchestra.
7:45 to 9:00 p.m.—Services from First Church of Christ, Scientist, by remote control.
9:00 to 12:00 midnight—"Everybody's Night"—amateurs and professionals.

TUESDAY, FEBRUARY 28—
12:00 to 12:30 p.m.—Mae Day Beauty Salon; musical program.
1:00 to 1:30 p.m.—Walishe Ionaco Co. program, featuring Clarence and Doris.
7:00 to 8:00 p.m.—Thirity Sandy program, sponsored by Citizens State Bank.
8:15 to 9:00 p.m.—"The Haymakers," featuring old-time dance music.
9:00 to 12:00 midnight—"Kiwanis Frolic."

WEDNESDAY, MARCH 1—
12:00 to 12:30 p.m.—Kay & Burbank Co. musical program.
1:00 to 1:30 p.m.—Kiwanis Club luncheon.
1:30 to 2:30 p.m.—Woman's Music Study Club, direction Ruth Parkinson.
7:00 to 7:30 p.m.—Novelty program.
7:30 to 8:00 p.m.—"Chat for Booklovers," presented by Hewitt's Bookstore.
9:00 to 10:00 p.m.—"The Hour De Luxe."
10:00 to 11:00 p.m.—Majestic Ballroom Orchestra, by remote control.
11:00 to 12:00 midnight—Capitol Theatre organ recital, by remote control.

THURSDAY, MARCH 2—
12:00 to 12:30 p.m.—Mae Day Beauty Salon musical program.
12:30 to 1:00 p.m.—American Markets sponsoring musical program.
1:00 to 1:30 p.m.—Rotary Club luncheon.
1:30 to 2:00 p.m.—Walishe Ionaco Co. program, featuring Clarence and Doris.
2:00 to 2:30 p.m.—Department of Numerology.
7:00 to 7:30 p.m.—Studio program.
10:00 to 11:00 p.m.—Pacific Coast Club Orchestra, by remote control.
11:00 to 12:00 midnight—Capitol Theatre organ recital, by remote control.

FRIDAY, MARCH 3—
12:00 to 12:30 p.m.—Eureka Bakery, musical program.
12:30 to 1:00 p.m.—American Markets, sponsoring musical program.
1:00 to 1:30 p.m.—Walishe Ionaco Co. program featuring Clarence and Doris.
1:30 to 2:00 p.m.—Mae Day Beauty Salon, musical program.
2:00 to 2:30 p.m.—Department of Numerology.
7:00 to 7:30 p.m.—Church of Christ, by Rev. Earnest Beam.
7:30 to 7:45 p.m.—"A Selene Sizer program."
7:45 to 8:00 p.m.—"Lucky Jim" Investment Chat, by Seaboard Bond & Mortgage Co.
9:00 to 10:00 p.m.—Gaskill Manufacturing Co. and Missman Radio Company program.
10:00 to 12:00 midnight—Elks' Frolic, Lodge No. 888.

SATURDAY, MARCH 4—
12:00 to 12:30 p.m.—Kay & Burbank Co. musical program.
1:30 to 2:30 p.m.—Fountain Club Cafe Orchestra.
7:00 to 8:00 p.m.—Pacific Coast Club Orchestra, by remote control.
9:00 to 10:00 p.m.—The Minstrel Show.
10:00 to 11:00 p.m.—Pacific Coast Club Orchestra, by remote control.
11:00 to 12:00 midnight—Capitol Theatre organ recital, by remote control.

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KFS

DAILY EXCEPT SUNDAY—
6:00 to 7:00 p.m.—Nightly musical review.
10:00 to 11:00 p.m.—Harvey Ball and his U. S. Grant Hotel Orcher,

WEEK COMMENCING SUNDAY, FEBRUARY 27, 1927

MONDAY, FEBRUARY 28—
7:00 to 8:00 p.m.—Studio hour.
8:00 to 9:00 p.m.—First Unitarian Church program. Howard B. Bard.
9:00 to 10:00 p.m.—Mixed musical program.

TUESDAY, MARCH 1—
7:00 to 8:00 p.m.—Studio hour.
8:00 to 9:00 p.m.—Union Title Company "Classic Hour" program.
9:00 to 10:00 p.m.—Mixed musical program.

WEDNESDAY, MARCH 2—
7:00 to 7:30 p.m.—Courtesy program by Wilshire's Ionaco Company.
7:30 to 8:30 p.m.—Concert program furnished by the Theosophical University
8:30 to 9:30 p.m.—C. C. C. Tatum, realtor. Bay Hills Orchestra.
9:30 to 10:00 p.m.—"Popular" Orthophonic program.

THURSDAY, MARCH 3—
7:00 to 8:00 p.m.—Police program, dance music and concert music.
8:00 to 9:00 p.m.—John P. Mills, Inc., Point Loma Orchestra.

FRIDAY, MARCH 4—
7:00 to 8:00 p.m.—Studio hour.
8:00 to 9:00 p.m.—P. M. Dairy Concert Orchestra, Instrumental Trio.
9:00 to 10:00 p.m.—Mixed musical program.

SATURDAY, MARCH 5—
7:00 to 8:00 p.m.—San Diego Senior High School program.
8:00 to 9:00 p.m.—Mme. de Beauvire, "Franco-American" hour.
9:00 to 10:00 p.m.—"Classic" hour Orthophonic recital.

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DAILY EXCEPT SUNDAY—
6:45, 7:15 and 7:45 a.m.—Daily health drill by Hugh Barrett Dobbs.
10:10 a.m.—Household Hints.
10:30 a.m.—"Ye Towne Crier.
12:00 noon—Time signals and Scripture reading.
1:00 to 2:00 p.m.—Rudy Seiger’s Fairmont Hotel Orchestra.
3:30 to 5:30 p.m.—Palace Hotel Concert Orchestra.
5:30 to 6:15 p.m.—Children’s Hour.
6:15 to 8:30 p.m.—"Ye Towne Crier.
6:30 to 7:00 p.m.—States Restaurant Orchestra.
7:00 to 7:30 p.m.—Rudy Seiger’s Fairmont Hotel Orchestra.
7:30 to 8:00 p.m.—Silent.

WEEK COMMENCING SUNDAY, FEBRUARY 27, 1927

SUNDAY, FEBRUARY 27—
9:45 to 10:45 a.m.—Undenominational and non-sectarian church service. Uda Waldrop at the organ.
10:45 a.m.—"Ye Towne Crier," giving the United States weather forecast and general information.
2:46 to 4:15 p.m.—Concert of the San Francisco Symphony Orchestra, Alfred Hertz, director, to be broadcast from the New Curran Theatre by KPO, KFI and KGO.
6:00 to 8:30 p.m.—States Restaurant Orchestra, Waldemar Lind director.
6:30 p.m.—"Ye Towne Crier," giving general information.
6:35 to 8:35 p.m.— Palace Hotel Concert Orchestra, Cyrus Trobbe director.
8:35 to 10:00 p.m.—Rudy Seiger’s Fairmont Hotel Concert Orchestra.
10:00 to 12:00 p.m.—John Wolohan and his Californians at the Trianon Ballroom.

MONDAY, FEBRUARY 28—
8:00 to 8:10 p.m.—Chamber of Commerce talk on "Industrial San Francisco," by Capen A. Fleming, director, Industrial Department.
8:10 to 8:25 p.m.—Book reviews by Harold A. Small of the Chronicle.
8:25 to 9:00 p.m.—Bridge lesson No. 18.
9:00 to 10:00 p.m.—Studio program.
10:00 to 11:00 p.m.—Billy Long’s Cabirians.
11:00 to 12:00 p.m.—KPO’s Variety Hour, presenting the KPO well known artists.

TUESDAY, MARCH 1—
8:00 to 9:00 p.m.—"Uda Waldrop Hour," featuring Uda Waldrop, KPO’s official organist, at the organ of the First Unitarian Church.
9:00 to 10:00 p.m.—Studio program.
10:00 to 11:00 p.m.— Palace Hotel Rose Room Dance Orchestra, Gene James director.
11:00 to 12:00 p.m.—John Wolohan and his Californians at the Trianon Ballroom.

WEDNESDAY, MARCH 2—
8:00 to 9:00 p.m.—Program by the Atwater Kent Artists, under the auspices of Ernest Ingold, Inc.
9:00 to 10:45 p.m.—KFI and KPO, Los Angeles Philharmonic Orchestra.
10:45 to 12:00 p.m.—Billy Long’s Cabirians.

THURSDAY, MARCH 3—
8:00 to 9:00 p.m.—Studio program.
9:00 to 10:00 p.m.—Studio program.
10:00 to 11:00 p.m.—Palace Hotel Rose Room Dance Orchestra, Gene James director.
11:00 to 12:00 p.m.—John Wolohan and his Californians at the Trianon Ballroom.

FRIDAY, MARCH 4—
8:00 to 10:00 p.m.—Walter Krausgrill’s Balconades Ballroom Orchestra.
10:00 to 11:00 p.m.—States Restaurant Orchestra, Waldemar Lind director.
11:00 to 12:00 p.m.—John Wolohan and his Californians at the Trianon Ballroom.

SATURDAY, MARCH 5—
6:30 to 7:30 p.m.—States Restaurant Orchestra, Waldemar Lind director.
8:00 to 9:00 p.m.—Simultaneous broadcast by KPO and KFI of a program presented by the San Francisco branch of the manufacturers of White King and Mission Bell Soap.
9:00 to 10:00 p.m.— Palace Hotel Rose Room Dance Orchestra, Gene James director.
10:00 p.m. to 1:00 a.m.—Walter Krausgrill’s Balconades Ballroom Orchestra.
9:00 to 11:00 p.m.—Intermissions by Maurice Gunsky, tenor, and Merton Bories, pianist.

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Oakland, California—361.2 Meters

KGO

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DAILY EXCEPT SUNDAY—

11:30 a.m. to 12:00 p.m.—Hotel Leamington concert.
1:30 and 6:00 p.m.—Stock and weather reports. Baseball scores.
6:00 to 6:15 p.m.—Bem's Little Symphony Orchestra.
6:55 to 7:30 p.m.—Weather and stock reports.

WEEK COMMENCING SUNDAY, FEBRUARY 27, 1927

SUNDAY, FEBRUARY 27—

11:00 a.m.—First Presbyterian Church service.
2:40 p.m.—San Francisco Symphony Orchestra concert.
6:30 to 7:30 p.m.—Concert by Bem's Little Symphony Orchestra.
7:30 p.m.—Weather Bureau report.
7:30 p.m.—First Presbyterian Church service, Oakland.
9:00 to 10:00 p.m.—Concert by Bem's Little Symphony Orchestra.

MONDAY, FEBRUARY 28—

4:00 to 5:00 p.m.—California Federation of Women's Clubs.
5:30 to 6:00 p.m.—KGO Kids' Klub.

TUESDAY, MARCH 1—

5:00 p.m.—Lectures by Dr. Virgil E. Dickson.
8:00 to 9:00 p.m.—The Pilgrims. Eveready program by National Carbon Company.
9:00 p.m.—Joseph Henry Jackson, "Chats About New Books."
9:20 p.m.—Surprise broadcast.
10:30 to 11:30 p.m.—John Wherry Lewis Orchestra.

WEDNESDAY, MARCH 2—

5:30 p.m.—"For Instance," by General Jackson.
8:00 p.m.—Farm program. W. O. W. Male Trio.

THURSDAY, MARCH 3—

5:00 to 6:00 p.m.—George W. Ludlow, "Friend to Boys."
8:00 to 9:00 p.m.—"The Serenade." comic opera.
9:00 to 12:00 p.m.—John Philpott's Midshipmen.

FRIDAY, MARCH 4—

8:00 p.m.—Studio program.

SATURDAY, MARCH 5—

8:00 p.m.—"Weekly Sport Review," by Al Santoro.
8:15 to 9:15 p.m.—Program from Hotel Leamington, Oakland.
9:15 p.m. to 1:00 a.m.—Dance music, Wilt Gunzendorfer's Hotel Whitcomb Band.

Program Published as Submitted by the Station.

KEX

Portland, Oregon—447 Meters

THE WESTERN BROADCASTING COMPANY, PORTLAND

PROGRAM COMMENCING SUNDAY, FEBRUARY 28, 1927

DAILY EXCEPT SUNDAY—

5:30 to 6:00 p.m.—Radio code practice and daily radio chat by Clarence Clark, technical director of KEX.
6:00 to 6:30 p.m.—Children's Hour by direct wire from Wremers Chateau.
6:30 to 8:00 p.m.—Congress Hotel dinner music: Jimmie Davis and his Pompeian Orchestra.
8:00 to 9:00 p.m.—Studio program.
9:00 p.m.—Western Union time signals.

TUESDAY, THURSDAY, SATURDAY

9:00 to 10:30 p.m.—Studio program.
10:15 to 12:00 p.m.—Dance music, direct wire from Kremers Chateau.

SUNDAY ONLY—

3:00 to 5:00 p.m.—Concert Orchestra.
5:00 to 6:00 p.m.—Church services.
6:00 to 8:00 p.m.—Congress Hotel dinner music.
8:00 to 9:00 p.m.—Studio program.
9:00 p.m.—Time signals, Western Union time signals.
9:00 to 10:30 p.m.—Studio program.
10:20 to 12:00 p.m.—KEX Frolic.

Program Published as Submitted by the Station.
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**KGW**

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THE MORNING OREGONIAN

"Keep Growing Wiser"

**DAILY EXCEPT SUNDAY—**

7:15 a.m.—Setting up exercise.
9:45 to 10:00 a.m.—Women’s health exercises.
10:00 to 11:30 a.m.—Town Crier, weather reports, news items.
12:30 to 1:30 p.m.—Noon concert.
6:00 to 7:00 p.m.—Dinner Concert.
7:30 to 7:45 p.m.—Weather and market reports.

**WEEK COMMENCING SUNDAY, FEBRUARY 27, 1927**

**SUNDAY, FEBRUARY 27—**

10:05 to 12:30 p.m.—Morning services from the St. Stephens Pro-Cathedral.
4:00 to 6:00 p.m.—KGW Salon Orchestra.
7:30 to 9:00 p.m.—Evening services from the Hinson Memorial Baptist Church.
9:00 to 10:00 p.m.—Concert by the Chevrolet Little Symphony Orchestra.

**MONDAY, FEBRUARY 28—**

7:00 to 7:30 p.m.—Children’s program.
8:00 to 10:00 p.m.—Vaudeville entertainment.
10:00 to 12:00 p.m.—Dance music by McElroy’s Orchestra.

**TUESDAY, MARCH 1—**

2:30 to 3:00 p.m.—Women’s matinee.
8:00 to 10:00 p.m.—Educational program.
10:00 to 12:00 p.m.—Dance music, featuring Herman Kenin and his orchestra.

**WEDNESDAY, MARCH 2—**

7:00 to 7:15 p.m.—Utility service.
7:30 to 8:00 p.m.—Albers Poultry School.
8:00 to 9:00 p.m.—Concert, courtesy 7th U. S. Infantry Band.
9:00 to 10:00 p.m.—Concert, by Maxwell-House-Coffee Orchestra, simultaneously with KFOA and KHQ.

**THURSDAY, MARCH 3—**

7:45 to 8:00 p.m.—Lecture, given under the auspices of the Catholic Truth Society of Oregon.
8:00 to 10:00 p.m.—Vaudeville entertainment.

**FRIDAY, MARCH 4—**

2:00 to 3:00 p.m.—Women’s matinee.
7:00 to 7:30 p.m.—Children’s program.
7:30 to 8:00 p.m.—Poultry talk.
8:00 to 9:00 p.m.—Concert by the Mission Bell Orchestra, from KGW through KFOA and KHQ.
9:00 to 10:30 p.m.—Dance music by Cole McElroy’s orchestra.
10:30 to 12:00 p.m.—Weekly frolic of the Keep Growing Wiser Order of Hoot Owls broadcast with KMO, KFOA, KHQ.

**SATURDAY, MARCH 5—**

9:00 to 10:00 p.m.—Concert, Calumet Instrument Quartet.
10:00 to 12:00 p.m.—Dance music, featuring Herman Kenin and his orchestra.

**Program Published as Submitted by the Station.**
The Upper Layer

By K. G. ORMISTON

( Editor's Note—In our last issue we reported that the Bureau of Standards had announced the completion of experiments resulting in proof of the existence of the so-called 'Hessnide Layer.' Inasmuch as every listener, instant before, had observed 'fading' of a distant station with this subject, Mr. Ormiston is here giving some details of the experiments and conclusions.)

The scientific experiments conducted last year by the Bureau of Standards, the Naval Research Laboratory, the Radio Corporation of America and the Carnegie Institute of Washington throw considerable light on the phenomena of fading.

In order to explain radio transmission over more than comparatively short distances and to account for fading, it has long been assumed that there is an electrical "ceiling" in the upper atmosphere fifty or more miles above the earth's surface. It has been supposed that this "ceiling" consists of a layer or strata of free ions and electrons probably emanating from the sun, and therefore constituting a good conductor of magnetic energy.

The scientists reasoned that if such a layer did exist, it should be possible over short distances to detect two impulses at the receiving station for each one sent out from the transmitter. One impulse would be due to the portion of the wave which followed the earth's surface, and the second would result from portion of the wave reflected back to earth from the "ceiling" or upper conducting surface. There should be an appreciable interval of time between the two, since the reflected wave must travel a greater distance than the one arriving in the direct horizontal path.

A receiving station was set up eight miles from a transmitting station. The transmitter was arranged to send out groups of waves, each having a duration of 1/1000 of a second. At the receiving end the signals were detected, amplified, and recorded by photographing the tracings made by an oscillograph.

The photographic records show conclusively that each wave registered twice under certain conditions. A reproduction of the oscillograph record shown in Figure 1 illustrates the reception of the direct wave only, while Fig. 2 shows the "reflection from the ceiling," arrived an instant behind each direct wave. It required many months of experimenting to develop methods by which the two waves could be accurately recorded and the interval of time between their arrivals measured.

It is clear that since two impulses reach the receiver for each one transmitted, that two different paths are used. Knowing the speed of the waves, and having measured the interval of time between arrivals, it was found that the second arrival, the "reflected" wave, must have been turned back at a height of about 100 miles. During prolonged observations it was found that the upper reflecting surface varied in height above the earth, this variation being all the way from 30 to 150 miles. Furthermore, that its efficiency as a reflector varied, the changes at times being very sudden. The rise and fall of the layer, the changes in its reflecting ability and the efficiency of the reflector, are matters which need more study and investigation.

(Continued on page 76)
George McClelland, vice-president of the National Broadcasting Company, owners of stations WJZ and WEAF of New York City, and now inaugurating a nation-wide chain of broadcasting stations, is in Los Angeles to further the extension and strengthening of Western programs. G. J. Poyden, who has been appointed Pacific Coast manager for the company, will follow soon.

The return of the fights as a regular Friday evening feature over KNX, the Evening Express radio station, has met with instant approval from listeners. The main event of the American Legion Stadium weekly card is put on the air. Curtis Benton, scenario writer, gives a blow by blow account of the battle, round by round, KNX has arranged a flexible program preceding the fight, so it is possible to start at the first round. Many times knockouts in the preliminaries bring the starting time of the big bout very early. By doing this fans are assured of the entire bout.

The new Burbank broadcasting station, call letters KELW, operates on 535 meters wave-length and 250 watts power. They are on the air daily from 6 to 7 p.m., and from 8 to 10 p.m. In addition to these programs there is an afternoon broadcast on Sunday, from 2 to 4 p.m.

The Los Angeles Council on International Relations is sponsoring a series of nine o'clocks from KHJ each week on Friday with noted speakers discussing each topic in ten minutes' time.

Four years old and still growing wiser and funnier is the famous KGW Keep Growing Wiser Order of Hoot Owls which celebrated its birthday a few days ago. Telegrams by the hundred, telephone calls that blocked the switchboard, and a stack of letters that left the mail carrier an old broken man, helped to make the occasion more memorable. A stupendous donation of cakes, ice cream, ginger ale, candy and the etcetera ad infinitum that were received from widely separated points all but made a wreck of the "Owls."

Station KFWI of San Francisco changed owners recently. Gilson Willets is now presiding as general manager. Mr. Willets has enjoyed a wide and varied experience in the radio field. He was for two years at WOC, Davenport, Iowa, and then engineer and manager of WRNY, New York. From there he jumped to WDBO at Winterpark, Florida. After the Florida crash, Mr. Willets went in search of a still finer climate and found it in California.

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6715 Avalon Blvd. Open Evenings and Sundays Los Angeles, Calif.
The Woman's Page
(Continued from page 16)
boiled eggs with a fork until they are mealy; add 1 teaspoonful of melted butter, 2 tablespoons vinegar, 1 tablespoon tomato catsup, a little salt and 1 teaspoonful Gebhardt's Chili powder; mix thoroughly, squeezing in the juice of half a lemon. Toss the oysters up in this sauce and serve on shredded celery and lettuce. This is an unusual and delightful Spanish salad.

The German recipe is more hearty, a foundation for a luncheon or even dinner. Place in a shallow baking-dish alternate layers of cooked sauerkraut and raw oysters, with sauerkraut on the bottom and top of the dish. Over the top layer place strips of fat bacon. Cook in a quick oven about half an hour. A Katzenjammer Salad uses 1 dozen large oysters, dipped in cracker-crumbs, and fried in hot olive oil; drain on blotting paper; lay flat on dish and place on ice. Whip until stiff, ½ cup sour cream; add yolks of 2 eggs, beaten, salt, dry mustard and sugar to taste. Whip all together; add a teaspoonful each of olive oil and lemon juice. Rub the salad bowl with a slice of onion and line with lettuce. Cut the oysters in half and mix with a cupful of finely minced crisp white celery; heap these in the center, and pour the dressing over all.

The Upper Layer
(Continued from page 74)
interference between the reflected and direct waves account for the phenomena of fading.

At times, instead of one reflection there would be several, indicating a rough or corrugated surface of the layer, and accounting for distortion and mushy reception. Research laboratories are attacking the many other problems and far-reaching effects which the ionization of the upper atmosphere involve.

Through the use of the radio compass, the S. S. Clearton, heavily loaded with coal, minus her rudder and drifting helplessly in the North Atlantic, about 380 miles east of New York, was rescued by the Coast Guard Cutter Seneca. This despite the fact of pitch darkness, at midnight and gales and rough seas.

In each room of a Los Angeles hotel is placed a notice which reads, "For your entertainment we are prepared to place a six-tube portable radio set in this room on a reasonable rental basis."
WHOLESALERS BEWARE!
A number of jobbers of radio merchandise have been recently victimized by a party representing himself as an employee of the F. C. Nash Company of Pasadena.

This party has apparently stolen a book of purchase order blanks from the above concern and is presenting them to various wholesale houses in this vicinity.

All wholesalers are warned to look out for this man and should they be approached to get in touch with the Police Department immediately.

The Elkon Works, manufacturers of the famous Elkon dry charging devices, have perfected their chargers and A eliminators to take care of the low line voltage and line fluctuation that is at times present in the electric current supplied in Southern California.

Regardless of voltage drop the Elkon devices deliver a satisfactory output to charge the A storage battery properly and to keep it up to its fullest efficiency. The Yale Radio Electric Company are distributors in Southern California for Elkon products.

Neale, Inc., 1800 W. Pico street, Los Angeles, manufacturers of Nealite Neon Tube Signs, announce that they have eliminated all radio interference from their neon signs. These beautiful signs have long been recognized by merchants as business getters, but radio dealers have in many cases hesitated in buying one because of the interference from the high voltage transformers which operate the sign. Engineers of Neale, Inc., and the General Electric Company have solved this problem and the new General Electric transformers used will not cause the slightest hum in the most sensitive set.

C. E. Linebarger, president of The Chaslyn Company, Chicago, is visiting the Pacific Coast with his family and spent the week in Los Angeles. He announces the appointment of S. A. Winters as their representative for Southern California. We are all familiar with the red, white and green balls, that tell us when our batteries are charged or need attention, and which are used extensively in A Power Units. Hydrometers which use these telltale little balls are the product of The Chaslyn Company.

George Brosch, sales manager of the Pacific States Division of the Erla Company, Chicago, is a recent visitor in Los Angeles. He reports excellent business for Erla products in the territory.

Mr. F. Clay McConnell, who has been associated with the Chanslor and Lyon Company of Los Angeles, Zenith distributors, for the past three years, announces the opening of a new Zenith Sales and Service Shop at 1241 Vine street, Hollywood, Cal. Mr. McConnell’s experience in jobbing the Zenith line and his pleasing personality should be valuable assets in his new venture, and his many friends in the radio and automotive trades wish him every success.


The next regular meeting of the Radio Manufacturers’ Agents Association of Southern California will be held at noon, Friday, February 25, at the Alexandria Hotel, mezzanine floor. Members, please note the new place of meeting. A highly important subject will be discussed.
The 1930 Radio Receiver

Sounds funny—but it's true. Thousands of them are already in operation and the owners of these sets are hearing stations on the loud speaker which were ordinarily inaudible on the average 10-tube radio set. This new 1930 receiver is the INFRA-DYNE, sponsored by "RADIO" (Magazine), San Francisco. In the March issue of "RADIO," which most news dealers will have on sale in your vicinity on February 25th, the INFRA-DYNE is more fully described and many practical hints are given on its operation with a set of battery eliminators. Get the whole story of the INFRA-DYNE in the OFFICIAL INFRA-DYNE MANUAL, by Sargent and Rayment, the inventors of the circuit. This complete manual sells for twenty-five cents, postpaid. Drop a quarter in coin in an envelope, mail it to us and we will send the booklet to you postpaid. It's a story well worth reading and tells you what the 1930 radio set is like. Only a few hundred copies left. Orders must be received now to insure delivery.

Pacific Radio Publishing Co.
Pacific Building - - San Francisco
The French Battery Company of Madison, Wisconsin, is one of the largest manufacturers in the dry battery and flashlight field. The Company's products, advertised and sold under the trade name of Ray-O-Vac, are universally known for their high quality. This reputation the Company goes to great lengths to maintain. The secret of long service given by Ray-O-Vac products is the care taken in selecting raw materials, as well as in the process of manufacture. The purchaser of Ray-O-Vacs is certain to get the best that can be obtained.

The new radio batteries are the very latest effort to make Ray-O-Vac products the most serviceable of their kind to radio fans. The improved reception, with either of these batteries in the circuits, is very noticeable, due to their low internal resistance. Owing to a new type of construction they are light in weight, internal "shorting" is eliminated, and unusual dependability secured. These batteries are, indeed, "Radio's Best Battery."

FRENCH BATTERY COMPANY
Madison, Wisconsin

737 Terminal St.  Los Angeles
Instinctively you will realize that Federal Ortho-Sonic is produced by master craftsmen of many years' experience. The marvelous tone-quality, extreme selectivity and the ability to bring in distant stations will settle all doubts as to which radio receiver you will ultimately purchase.

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