

# RADIO DOINGS

RED BOOK OF RADIO

**10¢**  
WEEKLY

*The Radio Authority  
of the  
Pacific Coast*



June Parker, Blues Singer—KMTR. See Page 31.

**PRIZE PROGRAM—PAGE 16**

Vol. X

MARCH 20-26, 1927

No.12

# 1927

# Kolster Radio

## *A genuine revelation*

Performance is the yard-stick of value, and Kolster Radio is sold strictly on its performance. Beauty in cabinet design—yes. A name long known and honored in radio—yes. But above all—reception that is beyond comparison and above criticism. In fairness to yourself—not us—you must hear it.



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# Radio Doings

Trade Mark Reg. U. S. Pat. Off.

407 East Pico Street, Los Angeles, Calif.

## "The Red Book of Radio"

H. C. CHARLES  
*Editor*

J. S. MILLER  
*Associate Editor*

Phone WESTmore 1401

KENNETH G. ORMISTON  
*Technical Editor*

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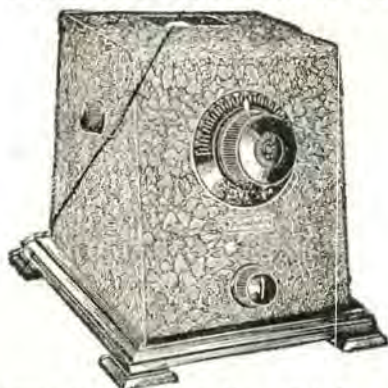
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WEStmore 3291

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Played by PAUL WHITEMAN

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**TONE**  
like  
life  
itself.

**BASS**  
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and  
resonant.

**VOLUME**  
from a  
whisper  
to a  
brass  
band.

**SURFACE  
NOISE**  
practically  
eliminated.

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Coupling Your Phonograph to Your Radio

What was just a tapping sound before now becomes the boom of tom-toms; the Chinese music is obviously oboe, trumpet and drums; when the melody is introduced you distinctly recognize three saxophones, violin, bass horn and piano. At other times during the ELEC-TRU-TONE rendition of this piece, you clearly hear the viola, cello, clarinet, celeste and cymbal.

*The difference is astounding. It is like moving the orchestra itself into the room.*

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# New

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STATIONS



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### Filter the Static and Distortion With These Strengthened Vacuum Tubes

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Doran Electric Chop  
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Lovinger-Melrose Radio  
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Melrose Radio  
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El Cajon Electric

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Buy the Parts and Build It Yourself

USE ANY OF THESE—THEY ARE ALL GOOD

**BOULDERADIO EIGHT-IN-LINE UNIT**, Two Tuning Condensers, Rheostat, Two Dials, Midget Condenser and Front Panel, are all that is necessary to complete one of the most selective supers. Beautiful tone and lots of volume. Only nine simple connections to make to unit. List Price of Eight-in-Line Unit—\$95.00.

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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.

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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

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 Eight-in-Line Super Unit  
 Ekko Ground Clamps  
 Electrad Products  
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 Formica Insulation Co.  
 Franco B. Batteries  
 Frost Products  
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 Hammerlund Products  
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 Hedgehog Transformers  
 H-K Solderdip Lugs  
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 Jefferson Products  
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 Kelbrackets  
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 Lemco Transformers  
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**DEALERS: Park Next Door at Our Expense**

## RADIO SUPPLY CO.

WHOLESALE

920 S. Broadway

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Los Angeles

New 1927 Catalogue Now Ready—Send For It

## New KFWB Studio Staff



**WILLIAM "BILL" RAY**

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**GERALD L. KING**

Manager and Announcer

**FLORENCE ISRAEL**

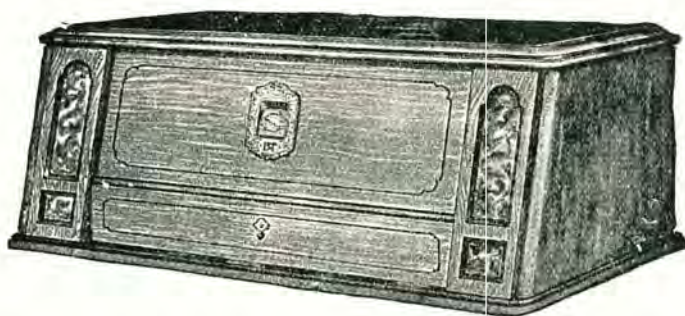
Secretary and Assistant Program Arranger

**MABEL LEONARD**

Studio Pianist

BREMER TULLY

# Counterphase - Eight



**H**ERE are a few of the features of the Counterphase-Eight. Any one of them is enough to command your attention. Combined in one Receiver, they account for the performance which has caused so many users to write enthusiastic testimonials.

- 1—REJECTOR STAGE, for Selectivity.  
2—SIMPLICITY. One Selector.

- 3—VISUAL INDICATOR. Each set Calibrated.  
4—UNIQUE CABINET DESIGN. Controls concealed when not in use.  
5—COUNTERPHASE CIRCUIT. Covered by B-T patents.  
6—LONG RANGE. Recognizes no superior.  
7—TONE. Equal to any reproducing instrument known.  
8—SUPERIOR WORKMANSHIP. The T-B standard.

*"A Demonstration Will Convince You"*

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The New

# Hexadyne 6-Tube

PORTABLE



**NEW IMPROVEMENTS WITH BEAUTY AND  
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**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

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**Pacific Wholesale Radio, Inc.**  
1320 S. San Pedro, Los Angeles

# Radiograms

From

CLOYD MARSHALL, JR.

## Comedians?

*The theaters in Washington are having a hard time of it. The managers report that the people of the National Capitol are great lovers of comedy and burlesque, so they go to the place that affords the best of this type of entertainment—the Senate and the House of Representatives. Pity the poor theaters when they have to buck this kind of competition. Senators have had so much practice in comedy and burlesque that an ordinary comedian competing against them hasn't a chance to get the plaudits of the crowd.*

## Wasters!!

We put a man into jail for stealing fifty dollars, but we do nothing to a bunch of incompetents known as congressmen for wasting untold millions of the taxpayers' money.

Of all the asinine gatherings ever assembled in this country the one bringing together the sixty-ninth congress was by far the worst. They played politics and neglected the business of the nation. A couple of "obstructionists" from Arizona and Utah held up the much needed Boulder Dam Bill. If the Colorado river overflows this year and wipes away the life-savings of thousands of families in the Imperial Valley, the scornful finger of guilt points at these two senators. The only bright thing they did was to pass the much-needed radio bill, but then to show their stupidity, they refused to endorse two of the commissioners whom the President had appointed or to vote an appropriation to carry out the provisions of the bill.

The people of this country will have to do one of two things, they will either have to take more interest in the government and select really competent men for congress or change our form of government so that we won't have to bother with the governing of ourselves.

## Store of Information

There is much for which we cannot thank our ancestors. But on the other hand, we should ever be grateful for the vast store of information which they have passed on to us. Through the medium of literature we have the best of their thoughts and experiences to help us attain happier and more helpful lives. Though only a small portion of all the worthwhile books could be read in a whole life time, yet of those we read let the best ones be our wise selection.

## Needed Law Changes

*The California Crime Commission has proposed certain procedure reforms for our criminal laws, which would help to speedily bring the criminals before the Bar of Justice.*

*They are trying to get the legislature to pass such a bill. To the astonishment of nearly every honest citizen there has appeared some very strong opposition.*

*The mushy sentimentalists, the gunmen, the hi-jackers, the bootleggers, the bail bond agents and the crooked criminal lawyers are the ones who are putting up the strongest opposition. This is to be expected, but to have opposition from any other source is unbelievable. We want and need a law in California such as the Baume law in New York.*

*The papers for the last week have been full of holdups, burglaries and violent deaths. If we had a Baume law in California the scurrilous people of the "underworld" would quickly get out of this state as they did out of the state of New York.*

# Third Contest Prize Letter

Radio enthusiasts the country over have generously responded to our "Ideal Program Contest," which convinces us that they know what they want. However, it is also convincing that the popular taste varies greatly.

Many of the programs submitted consisted entirely of Jazz selections, some of classical renditions exclusively and others were widely diversified.

The letter and one hour program appearing below will be broadcast from KMTR on the night of March 21st, between the hours of 9 and 10, and will be sponsored by the Precision Electric Manufacturing Company of 1019 Santa Fe avenue, Los Angeles, California.

**JOHN O. SHINE**  
DELANO, CALIFORNIA

*February 24, 1927.*

*Contest Editor, Radio Doings,  
Los Angeles, Calif.*

*Gentlemen:*

*Radio, as I see it, is one of our "Nation's Biggest Assets" today, and as time goes on it will continue to grow in popularity and value.*

*With the numerous good stations we have on the air and the varied programs put on for our enlightenment, entertainment and amusement, one can find, almost any evening, a program suitable to his mood and desires.*

*Radio in my home offers me the best of information on various subjects and daily happenings for my enlightenment, but, best of all, it gives me a complete diversion from my daily work.*

*If I may outline a program which I am sure will give to me and my associates an hour of real pleasure, I will choose as follows:*

*"Kiss Me and Then Say Good-bye," "Barcelona"*  
*Bill Hatch's Orchestra*

*"Love's Old Sweet Song," "My Dream of You"*  
*Dan Gridley, Tenor Solo*

*"Doll Dance," "Neapolitan Nights"*  
*Bill Hatch's Orchestra*

*"At Dawning," "Mighty Like a Rose"*  
*Violin Solo by Ray Kellogg, Organ Accompaniment*

*"Lay My Head Beneath a Rose," "When Irish Eyes Are Smiling"*  
*Dan Gridley, Tenor Solo*

*"Sunday," "Everything Is Made for Love"*  
*Orchestra*

*I want to take this opportunity to thank you for the consideration that you have always shown to the vast army of radio fans of the Pacific Coast.*

*I am for Radio first, last and always.*

*(Signed) JOHN O. SHINE.*

In choosing the prize letter, the judges, Messrs. G. Allison Phelps, A. G. Farquharson and N. E. Brown, carefully reviewed selections and programs which have in the past received most commendation from the Listeners-In. It was further necessary to consider not only the merit but the plausibility of the programs submitted as to length of time for announcements and pieces, the most acceptable continuity of offerings and the possibility of obtaining the necessary talent.

We wish to congratulate Mr. John O. Shine for submitting such an excellent and well-rounded program. We hope that he and all other owners of radio sets in the west will enjoy this program from KMTR.

## Precision Electric Co. Sponsors Radio Doings Prize Programs

Mr. Lyman Gage, President of the Precision Electric Company, has been deeply interested in finding out just what type of Radio program is most popular with our readers. Working in conjunction with Mr. Lockwood, of Lockwood-Shackelford Company, and the Publishers of Radio Doings, the Prize Contest letter on the preceding

present the first ideal program, as this group of musicians is one of the most popular and best known orchestras broadcasting from local stations. Station KMTR will broadcast this first prize program Monday, March 21, from 9 to 10 p. m.

For the best program of classical music the Precision Electric Company has very kindly offered the additional prize



Bill Hatch and His Orchestra

page of this issue is taken as the basis for learning the choice of the listeners-in. The majority of letters indicated a program of popular music and old-time ballads, as first. Programs of classical music came next. In the endeavor to please the greatest number of fans a prize letter program was selected from each class instead of only one from all submitted. Bill Hatch's orchestra has been engaged to

of a Pemco A and B 135-volt heavy-duty Power Unit. This prize program will go on the air over KMTR at 9 o'clock on the evening of March 28. In the issue of March 27 (out March 23) Radio Doings will publish the name and photograph of the orchestra representing the second prize program.

Radio Doings will greatly appreciate hearing from its readers concerning the reception of these programs.



# Pemco will "Radio Doings" K M T R

370.2 Meters

**MONDAY EVENING, 9 to 10  
MARCH 21st and 28th**

Pemco will give to the "listeners in," as nearly as possible, the two prize-winning programs. The sponsoring of these programs has been prompted by our interest in Radio Broadcasting. Yes, it is advertising in one sense of the word, but on the other hand we desire to give, that we may receive. It is you radio owners who need the Pemco units, so what is a more logical use for our advertising money than making possible radio entertainment that you will enjoy—winning your good will?

### *Pemco Runs Any Radio Set*

Pemco is an automatic A and B Power Unit that runs any radio set direct from the electric light socket. All the fuss and bother of A and B batteries is done away with. Your radio becomes a dependable instrument—capable of receiving distant stations more consistently with a volume and quality of tone that is limited only by the set itself.

### *Pemco—A Recognized Leader*

Money cannot buy a better socket Power Unit than Pemco. Pemco has no peer—indeed it is far superior in every respect to an overwhelming majority of socket Power Units now on the market. We might sound a little "chesty" in these claims but if you knew what we know about all of the various radio socket Power Units on the market you, we are sure, would criticize us for being so conservative.

# Sponsor the 2 Prize Programs

### *Free Installation—Easy Payments*

Any Pemco dealer will gladly demonstrate a Pemco on your own set, free of charge and without obligation on your part. He will also arrange the easiest of terms.

#### *Distributors*

Sherman, Clay & Co.  
948 Santee St., Los Angeles.

The Electric Corporation  
1050 Santee St., Los Angeles

Pacific Wholesale, Inc.  
1320 S. San Pedro St., Los Angeles

# Pemco



*Automatic*  
**"A" and "B"**  
**Power Unit**

### *Mail the Coupon*

PEMCO (Pacific Coast Factory) 1020 Santa Fe Ave., Los Angeles, Calif.  
Please send me without obligation full information about the Pemco. I would like to see another program contest.

Yes..... No.....

Name..... Address.....

# Radio Topics of the Day

*A Weekly Review of Radio News, Thought and Opinion*

## MAY BE SOME TIME BEFORE COMMISSION BEGINS

The question now is how soon will the new national radio commission get down to business and how will they do it without funds, inasmuch as the \$115,000 emergency appropriation was lost in the failure of the second deficiency bill to pass. Inasmuch as Rear Admiral Wm. H. G. Bullard, U.S.N., retired, the chairman of the commission, is said at the moment to be in Shanghai en route home from the Philippines, where he has been visiting his son, who is also a naval officer, it is doubtful if the commission will formally begin to function for fully a month, if then.

## HOOVER SUGGESTS PRIORITY

An interesting suggestion for relief in the badly over-crowded wave lengths has been made by Secretary Hoover, possibly brought to mind by his war-time experience, that priority at different times of the day be given to certain classes of broadcasting. For instance, according to his theory, weather reports might have priority at eleven o'clock in the morning, five o'clock in the evening, and farm prices at noon and six o'clock, say, with entertainment having full sway during evening hours.

This, in fact, is pretty much the way the air is being allocated at the present time, and with a little more definite direction and increased authority, which the radio commission will likely have, there appears to be a good chance for working out the idea, with latitude, of course, for important current events.

## FIRST NON-LICENSING WEEK

A sigh of satisfaction was heard at the Department of Commerce this week that for the first time in eight months no new stations had to be licensed. Each month since the department lost control through the attorney general's decision last July, not only were licenses granted to between twenty and thirty stations, but as listeners well know, a bewildering number of changes of wavelength and locations were announced. Just as bad, although the department had nothing to do with it, was the way stations changed or increased their power at will.

In fact, that short space of time over 200 stations were granted licenses, 50 changed their location, about 200 their power, and more than 100 their wavelengths. This has now all been stopped, awaiting the pleasure of the new commission, as was evidenced by the fact that this week, in contrast to the rest, Chief Radio Supervisor Terrell had absolutely no changes to announce.

Also waiting action by the committee will be the matter of granting licenses, if any are ever granted, to the almost 200 stations now under construction. Likewise, it may be confided that the officials at the Commerce Department are awaiting with considerable silent interest what may happen to the first request for a construction permit to begin the erection of a new station. The general impression appears to be this will be fraught with more difficulties possibly than securing a new license.

## What About 1927?

By R. A. VAN DUSEN  
Gold Seal Electrical Company

They have said it every January for the past three years, and now they are saying it again:

"Radio has passed its introductory period of growing pains and uncertainty and is now settled down as a staple industry."

Well—maybe, but there is still much to be done before radio reaches the position of the shoe or soap industries. There are still many rough spots to be ironed out—many weak spots to be strengthened.

But this makes no difference in the soundness of the radio industry as a whole. That is assured. Prosperity? Future prospects? Dunt esk!

But progress is not helped by the fatuous enunciation of platitudes to the effect that everything is lovely now in the radio business—no more disagreeable difficulties—all we have to do now is sit back and watch the profits come rolling in. Yes.

Radio is undoubtedly headed for greater and better things than ever before. The coming year will be one of unprecedented prosperity—for the radio man who realizes that the opportunity is one for aggressive, planned sales effort, but not for the man who expects profits to jump into his lap.

The radio industry has certainly passed through a period of chaos. Much of the mushroom, unhealthy growth of this boom time has died away. There is still some left, but it cannot survive.

Figures show that the number of radio dealers has diminished practically 33 1-3 per cent since the height of the boom in 1924. Does this mean loss of business? Absolutely, no! It means progress, sounder merchandising, better business.

For the consumer, it means better service, better satisfaction, more confidence, and a better appreciation of what radio really is. You can't blame the ordinary purchaser, confused by the strident clamor of irresponsible manufacturers pressing their conflicting claims, when he buys the cheapest goods he can find—and then condemns all radio.

Cut price, "gyp," low quality merchandise is the greatest enemy that radio ever had.

## The Sensation of the Season

### McKinley Junior "B" Eliminator



**\$9.75**  
Complete

*Absolutely No Hum  
No Tubes to Blow Out  
No Acid*

**GUARANTEED FOR ONE  
YEAR**

Other McKinley "B" Power Units,  
\$20 to \$35

**GIVE YOUR SET A TREAT**  
*A Constant, Steady 'B' Supply*

Send Check or Money Order for  
\$1.00 and We Will Ship C. O. D.

Phone for Demonstration

**YOrk 1828**

Or Call

**McKinley Radio Mfg. Co.**  
10905 S. Main St. Los Angeles

Also sold by  
**GOODWORK CABINET RADIO SHOP**  
6715 Avalon Blvd. Los Angeles

# B Eliminator—What Is It?

By K. G. ORMISTON

The B Eliminator, or "Socket-power Unit," as the National Better Business Bureau has named it, is neither complicated or mysterious. Its purpose is to convert electric current of the type found in the ordinary house lighting circuits to the type required for the plate circuits of vacuum tubes in a radio receiver.

The whole of radio, as well as all other mechanical and electrical contrivances, are based on man's ability to convert energy from one form to another. We have but three sources of electrical energy; the chemical reactions of a battery, the water-fall of the mountains, and the natural fuels of the earth. In the first case, we derive electricity directly from the actions of chemicals, in the second we cause falling water to turn the wheel of a turbine which will drive an electric generator for us, and in the last case we burn fuels to boil water that the steam may be used to drive engines and the engines in turn will operate our generators.

Hence the energy operating all electrical devices may be traced back to one of these three sources. The energy in the sound waves emitting from your loud speaker in the form of music comes through long processes of changes from chemicals, fuel-oil, or falling water. Converting from one form to another makes it all possible.

For the plate circuit of vacuum tubes in the radio set, we need a steady direct current of various voltages for the difference tubes. This "B" voltage has been supplied by batteries, but now for the sake of convenience (and convenience only), the public is turning to the "eliminator" devices which function to convert the alternative current used for house lighting to a suitable current for the set. Nothing can be superior

to, or equal, new fresh batteries, but the eliminators are finding a good market and will find a still greater market as they are improved, due to their convenience over battery equipment.

An effort will be made to explain their operation in popular understandable language. We have electricity in many forms. That which is used generally for house lighting is an alternating current; that is, it reverses its direction rapidly flowing first in one direction and then in the opposite direction, repeating this cycle 60 times per second. Hence 120 times in each second the current is at zero. Current in this form is unsuitable for the plate circuits of a radio set, as a loud hum would result, due to the variations in the current. We must have a steady plate current, that the variations produced in it by the varying voltage of the grid in the tubes will vibrate the loud speaker diaphragm without any other variations being present to produce undesired noises.

Our problem, therefore, is first to convert the alternating current to one which flows in only one direction, and then to smooth it out so that the pulsations or ripples will not be noticeable. Since we will require more than the original 110 volts of the lighting circuit a transformer is first connected to the leads from the wall-plug. This transformer is so designed that the 110 volts A. C. is stepped up at least twice that amount, still A. C. Now we come to the rectifier, the device which actually changes the A. C. to D. C. It is like one of these turnstile gates that let folks pile through in one direction, but sticks solid when you try to go through the other way.

In the usual B eliminator this turn-  
(Turn to Page 90)

# Koo-KoO KolyuM

By HAL DAVIS

Consular reports show a heavy demand for Con-n Speakers from radio dealers in Palestine.

**"RADIO BODY LEFT IN AIR BY SENATE."**—*Heading in Los Angeles Times. What could be more appropriate?*

"Bee-Eliminators" are proving very useful in culling down the flocks on the honey ranches up North.

*The Chief is having Dictaphones installed in our offices. Good work, sez we. What good is short-hand, anyway? Stenographers study it for years and years, and we never knew one yet who could speak a word of it!*

Sign in department store window at Long Beach: "WOMEN'S EVENING GOWNS, 1/3 OFF!"—At last, frankness in advertising!

**"ONE and ONE makes TWO**  
*But if ONE and ONE should marry,*  
*'Tis strange, but in a year or so*  
*There's TWO and ONE to carry!"*  
 —As rendered by the "Happiness Boys," W.E.A.F.

"STATION KOKO BROADCASTING ON A WAVE-LENGTH OF 927 GAS-METERS.

"Horace Hairoil announcing. Good evening, folks, how are you this morning? Before going into our regular program we have a few announcements to make. For the benefit of the boys in the Bingville Band, I am requested to announce that the regular Thursday night band practice will be held on Wednesday instead of Monday this week.

"Very sorry to say that our neighboring village of New Ralgia is suffering from a serious fire in the downtown section. The Eureka Pool Hall has just been destroyed, rendering thousands homeless.

"To open our musical program, the National White Lamp-Black Company Orchestra will play the "Refrain From Smoking," after which Isadore Murphy, our popular ten-or-fifteen soloist, will favor you with that fine old Irish ballad, 'He Said, Get Off My Pool Table, You're Wearing Off the Green.'"

# \$5

Liberal Allowance Made On Your Old "A" Storage Battery

## DOWN Puts a ~~PHILCO~~ SOCKET POWER

On Your Radio

Continuous Dependable, Trouble Free A and B Power for Your Radio



## PHILCO SALES & SERVICE Co.

1514 South Hope St.  
 Phone WESTmore 9065

Phone or Mail Coupon for Free Demonstration in Your Home

Name.....  
 Address.....  
 Phone.....  
 Radio.....

# Colonel John F. Dillon

## Radio Commissioner

By MAJOR LAWRENCE MOTT, Signal O.R.C., U.S.A.

It hath come to my mind, that, mayhap, our very many readers—to whom Colonel Dillon has merely been a mystical sort of person—"The Radio Supervisor at San Francisco"—might like to know something of the man who has been appointed by the President to one of the most important positions of the day—that of "Commissioner of Radio," at Washington. I say . . . "one of the most important positions" advisedly, for the commissioners have a very thorny trail ahead of them, and it is going to take a lot of sheer force of character and hard work . . . to straighten out the terrific mess that maintains in air conditions.

It has been one of the bright spots in my very varied career, all over the world, to have known Colonel Dillon as intimately as my family and I have been privileged to do. Off' has he been our guest at my home on our very lovely Island of Catalina, off the Coast of Southern California. He has angled for our great tuna from my fishing cruiser—and brought to gaff a splendid fish of 98½ lbs., rod and reel, of course—his second day out with me. I have been on several little trips with him on the mainland, and under trying, as well as pleasing conditions, Dillon pursued the even tenor of his delightful ways—unexcited, unhurried—an officer and a gentleman!

The Colonel's military career has been a splendid one. Briefly: he was all through the Spanish-American war, and—of course—went to Europe with—I believe—the 91st Division, in charge of important signal corps matters. For many years he was in Washington, in his younger days, intimately associated with another great friend of mine, Gen-

eral George O. Squier, for many years the chief signal officer of the Army. Colonel Dillon was with Squier when the latter was working on his now famous "wired wireless" invention.

As radio inspector, Dillon has held the post in Chicago, in Cleveland (if I remember correctly), and, for the past eight years, or more, he has been in charge of the 6th Radio District, comprising California, Nevada, Utah, Arizona. Uncle Sam has never been overly generous in the matter of salary, for the radio inspection staffs, nor in the matter of a sufficient number of officials attached to the various headquarters. For instance, Dillon had only two inspectors under him wherewith to cover a HUGE territory—to say nothing of the arduous matter of inspection of ship apparatus in so busy a port as San Francisco. The result was that the good Colonel was on the go . . . all the time, with very little chance for home life! But I never have known him to complain, or even to "wish" that matters might be better arranged. The Colonel is a soldier of the old school! A duty is set before one. DO IT, and with as few words as possible!

Almost painfully exact in all his statements, and always sure of his premises before he makes a statement; kindly, and with a heart brimming over in friendliness and helpfulness to his fellow men, I know of no other man more eminently well equipped to shoulder his part of the heavy load as one of the new radio commission, than Colonel John F. Dillon, Sig. O.R.C., U.S.A.—of whom it has been a great pleasure to write this all-insufficient tribute.

Judging from that which I happen to

(Continued on Page 91)

## Picked Out of the Air

By HEARL LA VERN CROWTHERS

Trickery always defeats its own purpose.

*Many things are home brewed that cannot be bottled.*

The lightning bug is brilliant, but it hasn't any mind.

*Habit may become a beast or a divine servant. In either case we are the trainer.*

The best golfers affirm that their bad shots are forgotten.

*Only a goose can walk like a goose. Look what happened to Germany.*

The lion is a beast of selfishness, consequently can never be tamed, only trained.

*If your motor isn't running, stepping on the gas won't do a bit of good.*

If you tell a lie, multiply it by two, for you have not only lied to the other individual but to yourself.

*Variety is the spice of life, but too much spice will ruin the best mince pie ever baked—as well as the digestion.*

The resultant feeling of having done a good deed is satisfying. The resultant feeling of having done an injury is crucifying.



# ELKON

## NEW 3 AMPERE HEAVY DUTY CHARGER

All of the main features of the Elkon Trickle Charger, but—the new device charges at 3 ampere rate, tapering automatically as the battery becomes fully charged.

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

**CONSTANT POWER  
CONSTANTLY**

**\$18<sup>50</sup>**

**Complete**

*Wholesale Distributors*

**YALE RADIO  
ELECTRIC CO.**

LOS ANGELES

1111 Wall Street Westmore 3351



*A couple of Harkness fans took occasion to jump on us for a reference to their pet set as not being particularly famous for DX snaring in a recent article herein. R. E. Stephens of Bard, California, says that with a carborundum crystal in his, he has long distance and tone quality that is hard to beat. Then comes Sedgwick Wood of Los Angeles with a list that extends from Vancouver to Tia Juana and from the sandy seashore to Salt Lake City. Glad to get a rise out of the Harkness boys, but in the article in question we were talking about REAL DX tother side the Pacific!*

### FROM A LADY BUG

DX Club:

I am always glad to get the Radio Doings, so I can look over all the DX bugs' good luck in locating stations. I am a DX lady bug. I have received my stations on a Stromberg Carlson set, all on the loud speaker except two. Would like to hear from other S. C. owners.

MRS. S. G. MORTON,  
3129 Durango Ave.,  
Culver City, Calif.

*(Note—Mrs. Norton's list includes 138 stations. Can any other lady bug beat it, or do we award the first prize of a beautiful cast-iron grid leak to Mrs. S. G. M.?)*

### PLENTY R.F.

DX Club:

This may interest DX fans. I have added two more stages of radio frequency to a Bremer Tully Counterphase Power Six using standard BT parts. It makes a three dial receiver but after getting it balanced it is very easy to handle. I live very near KMTR but have been able to pull in both WHB and WDAF on 365 meters, which indicates the selectivity. The set now has five stages of RF.

H. A. EVEREST,  
1032 North Ogden Drive,  
Los Angeles, Calif.

### A NEW MEMBER

DX Club:

I have been reading your DX correspondence with great interest and wonder of you will admit me as one of your members. I have a Stewart-Warner Model 300 in my home and have been having extraordinary results. While I have been more than pleased with this set, since I have equipped it with one of those DX Grounds I am getting stations that I didn't even know existed. As for distance, I have not seen anything to even equal this set. I read of some fans becoming proud over receiving Chicago and Pittsburgh, while I get those stations regularly, and if I don't get them I know there is something wrong. I am very proud of the fact that I had WOR at Newark, N. J., recently.

Thanking you and hoping you may find room to publish this letter.

J. P. LOUDEN.

5107 Oakland St., Los Angeles.

### A GOOD COMBINATION

DX Club.

We have had most remarkable results with our trusty old Zenith since installing Gosilco antenna. I did have 4 Australians and 3 Japs before installing the new antenna, but not with the same amount of volume as now. To be conservative, I would judge that I am getting at least 40 per cent more volume.

F. S. HAMILTON,  
52 State Street,  
Willits, Calif.

### H. H. BROADCASTING

DX Club:

I have a Gilfillan Neutrodyne Model 30. I pick up pretty good distance considering that I have only a 25-foot aerial and water pipe ground. I have picked up clearly on the loud speaker WOW, KOIN, KOIL, KYW, KFOA, KOWW, KFXF, KMOX, KFZD, KOMO, KJR, KLX, WCCO, WHO and others.

HOWARD HUNTINGTON,  
Pasadena, Calif.



# The "DX" Radio Ground Amazes Even the most skeptical . . .

ROBT. L. A. TROW

Glendale, Calif.  
March 1, 1927.

Mr. C. H. Freston  
11285 Ventura Blvd.  
Los Angeles, Calif

Dear Sir:

A short time ago, I purchased one of your D X grounds from Mr. Wm. Rowley, the Stewart-Farner representative located at Fourth and Vermont Avenue, Los Angeles, and at first I will admit I was very skeptical as to whether or not the article had any merit, thinking it just "another one of those things" that had been foisted on the ever gullible radio public.

I certainly wish to apologize for entertaining such thought as I have more than doubled my stations, increased the volume on D X, and it has certainly improved the tone quality of my reception.

I might mention that I am using an Atwater-Kent, model 20 compact and reside in an upper flat, which made it almost impossible to obtain a good ground, but now my problem is solved.

Wishing you continued success in your new venture, I am

Sincerely,

*Robt. L. A. Trow*

217 1/2 West Windsor Road  
Glendale, California.



**"DX"**

Long Distance  
Radio Ground

PATENT APPLIED FOR

PRICE-

**\$8<sup>00</sup>**

## Notice to Dealers

Your customers will be asking you about the "DX" Radio Ground. If you have none in stock you have lost a sale. AND A GOOD PROFIT. Write for our dealers' proposition NOW.

Radio enthusiasts who live in flats or apartments will be more than interested in Mr. Trow's experiences with the "DX" Radio Ground. His is just one of the scores of letters from users of this newly perfected ground connection that bear witness to its 100 per cent efficiency.

The "DX" Ground, to put a long story in a few words, will increase volume and selectivity on any radio set, no matter what the make or model. It will bring in more and better programs, free from the annoying sounds caused by the inefficient water pipe ground. Used on the antennae post of single dial receivers it will cut down harmonics in a surprising way, bringing the stations in sharply and without background. It's the biggest eight dollars' worth ever offered in the radio field. Ask your dealer about it today...if he has none in stock order direct.

**UNGAR & WATSON, Inc.**  
National Distributors  
1366 So. Figueroa St. Los Angeles

**THE SEROY CO.**

Distributors for No. Calif. Oregon & Washington  
122 Broadway - Oakland, Calif



# WOMAN'S PAGE

By CAREY PRESTON RITTMEISTER



"C. P. R."

Before the advent of financial sponsors, it was a struggle to produce well-balanced radio programs of artistic merit and establish a standard for quality and variety. So when a program featuring some star of the cinema constellation with atmospheric music, was promised by Mr. Publicity Director, it was welcomed, and in addition to the picture layouts given the event, advance announcements were broadcast with great eclat. But, alas! too often at the last moment, the star, with surrounding atmosphere, like a comet shot off on location, leaving us to produce within five minutes a program that would get us by! Frantic telephoning! Hurried taxis! Much running about through the building and nearby studios searching for talent, while Uncle John held the microphone with news items or an impromptu reading of a playlet with his assistant.

One day into the studio drifted a modest, hero-worshipping chap, by name, G. Allison Phelps, who, for many moons, had listened on crystal and home-made tube set, to Uncle John. After several trips to KHJ we became acquainted and he asked if we would like to have a program from the Robertson-Cole studios, including the famous Jane Novak. We were a little doubtful of success, but G. Allison was optimistic, and ventured to make the arrangements with Hy Dabb, the publicity man.

The time was set and duly arrived! Five minutes of eight found Mr. Phelps in the studio, a little pale and nervous,

but reassuring; he had just heard from Miss Novak's director, Mr. Johnson; they would be at KHJ just as soon as they could pick up Miss Novak. Then came Hy Dabb, also worried, and he and Allison seemed to be running a relay from studio to elevator and back.

Uncle John began reading news items; he read until exhausted—that is, I mean, until the news items were exhausted. A book of poems was slipped to him and some home philosophy in rhyme slipped out on the air.

At last, after a whispered consultation at the mike, it was decided to proceed with the musical program, hope that Miss Novak would come, abandoned. We always took these disappointments very seriously, for we hated to fall down on our promises.

Suddenly, the studio door burst open, disclosing Mr. Johnson with a lovely blonde girl. Uncle John delightedly cried, "Well, here is Jane Novak! Come here Miss Novak and give an account of yourself!"

A moment's hesitation; she seemed greatly embarrassed, apparently had a case of microphonitis, and Uncle John found it not easy to get her to say something. Questions about the picture she was then making brought timid answers. Then he said, "You must be Scandinavian, Miss Novak," and she replied, "Yes, I am."

It all lasted less than ten minutes, and Miss Novak and her escort hurried away. But we were satisfied, for we had kept our promise to the radio public and they had heard her voice.

But—to paraphrase Harold Isbell and Ethel Barrymore—"That's not all there

(Continued on Page 91)

## An Artist and His Radio

Radio has an ardent admirer in the person of Harrison Fisher, the famous artist who has just returned East after a short stay at the Ambassador Hotel, Los Angeles.

Mr. Fisher has been interested in radio ever since the inception of broadcasting. There was something fascinating about it—something that intrigued



HARRISON FISHER

his imagination in a way that nothing else had ever done except his art.

At the first opportunity, Fisher became the owner of a crystal set. This served him for a time, but when the stations became so numerous that the crystal set no longer separated them, he looked for a set that would fill his desire for more perfect reception.

After hearing the various makes then on the market, he selected the first model Atwater Kent ever built. This set is still in his possession in addition to a new model 30 Atwater Kent mounted in one of the famous "Arm Chair" model Pooley Cabinets.

# MORE DISTANCE

Greater Selectivity  
Increased Volume  
With the

# "DX"

## LONG DISTANCE GROUND



No matter what make of Radio you have, or where you are located, you cannot afford to be without this latest Radio Improvement.

PRICE

**\$8.00** Complete Postpaid Anywhere

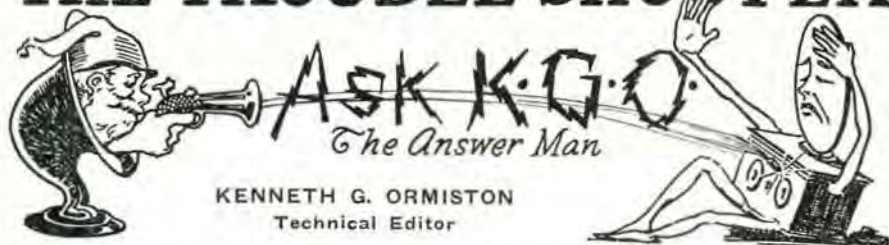
Shipment Made Same Day Order Is Received

ORDER NOW

## DEXTER SUPPLY CO.

487 Chamber of Commerce Bldg.  
1151 South Broadway  
Westmore 9137 Los Angeles

# THE TROUBLE SHOOTER



KENNETH G. ORMISTON  
Technical Editor

*The efficiency of radio circuits can often be considerably increased by paying more attention to the resistance values. While precise values are sought in inductance and capacity in the tuning circuits, the resistance values which are equally as important, are very often overlooked.*

The detector grid leak, for example, often is fixed at 2 megohms when 1 or 3 megs would be better with the particular detector tube, circuit and plate voltage used. Sometimes, 5 megohms may even be the proper value, and will help DX reception considerably, especially in regenerative circuits.

In resistance coupled amplifiers, the values considered standard may be improved upon by a little experimenting, as they vary with tubes and plate voltages. The grid leak for the last tube may be cut to .1 megohm instead of the usual .25 megohm in some cases. And when using a high impedance type of detector tube with low plate voltage the first plate resistor, usually given as .1 megohm may be changed to 10,000 ohms with improvement.

The writer is simply suggesting that in careful selection of the resistance values in your circuits there is a chance of improving your results.

*Another question: What are the advertised "automatic control switches?"*

This device is intended to permit the filament control switch on the radio set to control the various switching of connections necessary when a B socket-power unit, and A battery with trickle

charger are used. When the set is turned on, it is necessary to connect the B socket power apparatus to the lighting circuit, and disconnect the trickle charger from the 110 volts. Rather than do this switching with switches located on the socket-power unit or charger, the automatic switch is so arranged that the simple turning on or off of the usual filament switch on the radio set results in an automatic switching in these other circuits.

It is constructed somewhat like a telegraph relay. The electromagnet is actuated by the filament A battery current. When the filament switch on the set is turned on, the A battery current flowing from the battery to the set magnetizes the iron core in the automatic switch. A movable arm is attracted to the core, and in its motion closes a pair of contacts which connects the B eliminator to the juice, and disconnects the trickle charger. When the set is turned off and the movable arm is released because of the demagnetization of the core, the eliminator is automatically disconnected and the trickle charger goes back to work boosting the A battery.

*Regarding the use of the 199 type of tube with excessive B voltage, lack of C voltage, etc.:*

The UX-199 and CX-299 tubes should never be used with more than 90 volts of B potential. Nor should they be used with more than 67½ volts without C

(Continued on Page 31)

## The Girl on the Cover

### June Parker, Blues Singer

Untold thousands have heard Miss June Parker over the radio, but few have seen her or her picture.

Her melodious, low-pitched voice, which is especially adapted for the Blue and ballad type of singing, has brought much joy and pleasure to the people of radioland.

The radio fans of this country can thank Mr. Les Tauffenbach, president of Western Radio, Inc., for making it possible for them to hear Miss Parker.

At a party at his house, a little over a year ago, Miss Parker was playing and singing some of the latest popular pieces. Her voice and manner of rendition was so pleasing that Les suggested that she perform for the vast radio audience of the West. After much persuasion, Miss Parker agreed. Miss Parker has had remarkable success at every performance. She first started to broadcast over KHJ, the Times, then she broadcasted for a period from KFWB, Warner Bros., and now she is a regular performer at Station KMTR, Hollywood.

We like Miss Parker's selection of pieces and the quality of her voice, so we hope that she will be a consistent radio performer for a long time to come.

## Trouble Shooter

(Continued from Page 30)

battery. At zero grid bias there is no increase in mutual conductance above  $67\frac{1}{2}$  volts B potential, and hence no advantage in using greater B voltage unless C battery is also used. Furthermore the increased electronic emission ruins the tube. •Bear this in mind if you would preserve the full useful life of these tubes.

# STROMBERG-CARLSON



at

## The Radio Art Studio

*"A Perfect Setting for  
A Perfect Set"*



*Authorized Dealer*

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# The Superheterodyne Intermediate Frequency Transformer

By N. E. BROWN, I. R. E., A. S. M. E., A. I. E. E.

*(Editor's Note.—The following article is of special interest to super-heterodyne set constructors who desire information relative to the intermediate frequency transformers.)*

There is a great deal of talk, pro and con, as to the relative merits of the usual high frequency amplifier, such as the radio stages preceding the detector in the usual neutrodyne type of receiver, and in the superheterodyne. Those who are "agin" the latter are among those who have not used a really good superheterodyne long enough to know its great merit, and the writer believes the fact that the big outstanding radio engineers select this type of receiver for their intricate field work in their studies of the mechanism of radio transmission should be enough to put the stamp of superiority on the superheterodyne until some more effective system can be evolved.

The big drawback in the usual R. F. amplifier, which is made to cover the broadcast band by tuning, is that this large variation in operating frequency decreases the capacity reactance of the tube and winding elements rapidly with the increase of frequency while the inductive reactances increase, throwing any correct relations for one frequency badly out for any other. The amplifier of the superheterodyne obviates this by working the amplifier constantly at some predetermined frequency for which the constants can be so proportioned as to produce those optimum relations between total amplification, or gain, and selectivity that locality and the needs of the particular situation demand.

Some authorities favor only two intermediate stages of amplification (three transformers total) making the transformers of a higher gain per stage with the resultant increased sharpness of tuning while others advocate three intermediate stages, and while it is possible to get nearly the same result in both cases, it is generally thought by those who have had a deal of experience in the matter that cutting down the amplification per stage and increasing the stages, is good engineering; at least until some simpler and more effective method of controlling regeneration in these amplifiers is devised.

It is an axiom that if these amplifiers are not worked so as to take maximum

advantage of the regenerative attribute, or if regeneration is not controlled, they are of little value. In order to make this type of amplifier effective in connection with a broadcast receiver the signal which is desired is first passed through a frequency changer, which consists of a variable frequency oscillator in combination with a "mixer tube," usually called the first detector. The relation between the frequency of the oscillator and the particular wave-length or frequency of the signal which it is desired to amplify, is such as to give the frequency of the intermediate transformers as a remainder, and, of course, there can be two values of the oscillator, which will satisfy this equation, one being higher and one being lower than the signal being received. These two oscillator settings for the same station are often referred to as the "sum and difference settings," but this statement is in error, for both are different settings, whereas, the sum setting gives another frequency always higher than the signal frequency, which is the one used in the infradyne, a heterodyne of special type.

In order to get a more definite mental image of just what is going on in the intermediate amplifier of the superheterodyne let us imagine it is desired to set up four slits, or round openings would be better, so that we might look through them all clearly; of course it will be necessary that the centers of these round openings shall all be in a straight line if the largest field possible is to be observed. That is the same as saying the resonant frequency of all the transformers used in such an amplifier should all be the same; 40 kilocycles, 60 kilocycles or whatever is chosen, but as it will be clear that if the round holes are staggered a little the size of the view, or field, as seen by the eye through these staggered openings will be reduced, so also will the band of frequencies be narrowed by the use of the transformers whose resonant frequencies are unlike. Now this might leave the impression that the staggering of

(Continued on Page 92)

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## STADLEY LOW-WAVE ADAPTOR

A Separate Unit which plugs into ANY RADIO, instantly converting it into a Short-Wave Receiver. You can pull in KDKA like the locals any evening of the year. Gets any station from 30 to 200 Meters. Contained in handsome cabinet, choice of finish.

**\$25.00 Prepaid**

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**STADLEY SINGLE-DIAL ALL-WAVE RECEIVER**

Range 30 to 550 meters. Five Tubes. Price \$100.00, less accessories

STADLEY ALL-WAVE COIL as used in above receiver, makes possible reception of low-wave as well as high-wave stations.

Sent with chart and instructions for installing in your set, \$10.00 prepaid

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 4525 Western Ave., Phone VErmont 5109  
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Also at

1320 Hermosa Ave., Hermosa Beach, Phone Redondo 11061

*Jobbers and Dealers Write for Territory Direct to Manufacturers:*

**STADLEY MANUFACTURING CO.**

1320 Hermosa Avenue

Hermosa Beach, Calif.

# SUNDAY TIME TABLE

ALL TIME TABLES ADJUSTED  
TO PACIFIC TIME  
(X) Indicates Station Is On the Air

10-12 A.M.		12-2 P.M.		2-4 P.M.		4-6 P.M.		STATIONS				6-8 P.M.		8-10 P.M.		10-12 P.M.															
10 00-10 30	10 30-11 00	11 00-11 30	11 30-12 00	12 00-12 30	12 30-1 00	1 00-1 30	1 30-2 00	2 00-2 30	2 30-3 00	3 00-3 30	3 30-4 00	4 00-4 30	4 30-5 00	5 00-5 30	5 30-6 00	CALL	Wave Length Meters	Power In Watts	STATION	6 00-6 30	6 30-7 00	7 00-7 30	7 30-8 00	8 00-8 30	8 30-9 00	9 00-9 30	9 30-10 00	10 00-10 30	10 30-11 00	11 00-11 30	11 30-12 00
<b>SOUTHERN CALIFORNIA</b>																															
					X	X	X	X					X	X		KELW	560	250	Burbank												
	X	X											X	X		KGEF	517	1000	Los Angeles					X	X	X	X	X			
X	X	X	X						X	X						KFI	467	4000	Los Angeles	X	X	X	X	X	X	X	X	X	X	X	
			X	X												KFCR	413	50	Santa Barbara					X	X						
X	X	X	X	X												KHJ	405	500	Los Angeles				X	X	X	X	X	X			
		X	X													KMIC	387	500	Ingewood				X	X	X	X					
																KFBC	380	50	San Diego				X								
X	X	X	X					X	X	X	X	X	X			KMTR	370	500	Hollywood	X	X	X	X	X	X	X	X				
	X	X														KNX	337	750	Los Angeles	X	X	X	X	X							
	X	X														KPSN	316	1000	Pasadena	X	X										
X	X	X	X						X	X						KFWC	295	200	San Bernardino							X	X	X	X	X	X
	X	X	X	X												KTBI	294	750	Los Angeles	X	X	X	X	X	X	X					
	X	X	X	X				X	X	X	X					KFSG	275	500	Los Angeles			X	X	X	X	X	X	X	X	X	X
																KWTC	263	250	Santa Ana			X	X								
						X	X									KFWB	252	500	Hollywood					X	X	X	X	X			
							X	X								KFSD	246	1000	San Diego												
X	X	X							X	X	X	X	X	X		KNRC	238	1000	Santa Monica	X	X	X	X	X	X	X	X	X	X	X	X
	X	X	X		X	X	X	X	X	X	X	X	X	X		KFON	233	750	Long Beach	X	X	X	X	X	X	X	X	X	X	X	X
	X	X	X													KPFC	229	50	Pasadena			X	X	X							
																KFQZ	226	500	Hollywood					X	X	X	X	X	X	X	X
				X	X							X	X			KFWO	211	250	Catalina	X	X	X	X	X	X	X	X	X	X	X	
																KFVD	205	500	Venice	X	X	X	X	X	X	X	X	X	X	X	X
<b>NORTHERN CALIFORNIA</b>																															
X	X						X	X	X	X						KPO	426	1000	San Francisco	X	X	X	X	X	X	X	X	X	X	X	
	X	X	X	X												KYA	400	1000	San Francisco				X	X	X						
	X	X	X				X	X	X							KGO	381	4000	Oakland			X	X	X	X	X	X	X	X	X	X
X	X	X	X	X												KQW	323	500	San Jose				X	X	X	X					
X	X	X	X	X												KTAB	303	1000	Oakland				X	X	X						
									X	X	X	X	X			KFRC	268	500	San Francisco	X	X	X	X								
				X	X											KFUS	256	50	Oakland				X	X	X						
X	X															KRE	256	100	Berkeley					X	X	X					
					X	X	X									KFWI	250	500	San Francisco	X	X	X	X	X	X	X	X	X	X	X	X
<b>NORTHERN AND WESTERN STATES</b>																															
X	X	X	X				X	X	X	X	X	X	X	X		KGW	491	1000	Portland				X	X	X	X	X	X	X	X	X
							X	X	X	X	X	X	X	X		KEX	447	5000	Portland			X	X	X	X	X	X	X	X	X	X
X	X	X														CFAC	435	2000	Calgary				X	X	X	X	X	X	X	X	X
	X	X														KJR	384	20M	Seattle				X	X	X	X	X	X	X	X	X
																KLZ	384	500	Denver				X	X	X	X					
X	X	X	X						X	X	X	X	X			KOA	322	5000	Denver				X	X	X						
																KOIN	319	1000	Portland				X	X	X	X	X	X	X	X	X
X	X	X	X	X	X	X										KOMO	306	1000	Seattle				X	X	X	X	X	X	X	X	X
X	X	X	X	X	X											KSL	300	1000	Salt Lake City				X	X	X	X					
X	X	X														KMO	250	500	Tacoma				X	X							

Hours Shown as Submitted by These Stations. For DX Schedule See Page 46

Counterphase for DX: H. A. EVEREST, 1032 N. Ogden Dr. GR. 9915

**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.

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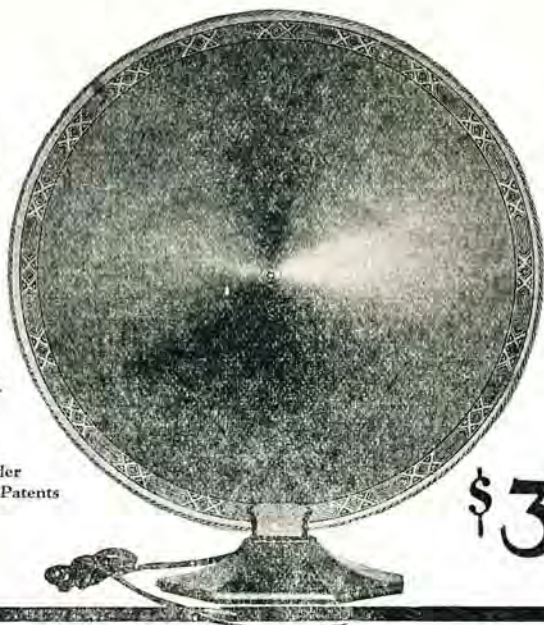
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Sandar is THE speaker of its type. Ever since this new cone speaker was introduced some months ago, its success has been phenomenal—and now you hear Sandar everywhere! Sandar's downright good looks, its mechanical excellence, and its remark-

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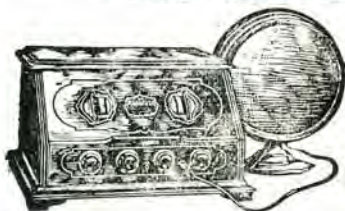




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plus

our expert  
**SERVICE**



RCA  
Loudspeaker  
100  
\$35.00



RADIOLA 20 gives you the tone quality and performance of a high priced set for only \$78. (Less Equipment)

It has a power tube—for volume. It has single control—for simplicity. It is sensitive—for distance. And with all the new features of radio, it is not a new experiment, but a proved and perfected product of RCA.

Hear it, at our store, in competition with any others or let us bring it to your home.

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Phone TRinity 0746 for Appointment  
in Your Home

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*"The Last Word  
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Model D-10 Illustrated at Right. Five tube—wet or dry battery type. Centralized control. Very selective. Genuine mahogany cabinet, mahogany lined. Finished in a rich brown. Price, without accessories, \$100.00. Table extra.



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GRanite 7482

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Radio Dept.)  
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Glendale 3064

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RADIOLAND SERVICE Co.  
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Compton 583

## OCEAN PARK

### SANTA MONICA

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Santa Monica 61094

## PASADENA

THOMAS & SOMMERVILLE  
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Terrace 0815

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J. H. THORP RADIO &  
MUSIC SHOP  
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*"Tone Quality Only Rivalled by Reality"*

# FRIDAY TIME TABLE

ALL TIME TABLES ADJUSTED TO PACIFIC TIME  
(X) Indicates Station Is On the Air

10-12 A.M.	12-2 P.M.	2-4 P.M.	4-6 P.M.	STATIONS		6-8 P.M.	8-10 P.M.	10-12 P.M.																																				
10:00-10:30	10:30-11:00	11:00-11:30	11:30-12:00	12:30-1:00	1:00-1:30	1:30-2:00	2:00-2:30	2:30-3:00	3:00-3:30	3:30-4:00	4:00-4:30	4:30-5:00	5:00-5:30	5:30-6:00	CALL	Wave Length Meters	Power In Watts	STATION	6:00-6:30	6:30-7:00	7:00-7:30	7:30-8:00	8:00-8:30	8:30-9:00	9:00-9:30	9:30-10:00	10:00-10:30	10:30-11:00	11:00-11:30	11:30-12:00														
															KELW	560	250	Burbank.....	X	X	X	X	X	X	X	X																		
															KGEF	517	1000	Los Angeles.....	X	X	X	X	X	X	X	X																		
X	X	X													XKFI	467	4000	Los Angeles.....	X	X	X	X	X	X	X	X	X	X	X	X	X	X												
			X	X											KFCR	413	50	Santa Barbara.....				X	X																					
															KHJ	405	500	Los Angeles.....		X	X	X	X	X	X	X																		
															XKMIC	387	500	Inglewood.....	X	X	X	X	X	X	X	X																		
X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	KFBC	380	50	San Diego.....					X	X	X	X																		
X	X														XKMTT	370	500	Hollywood.....	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X											
															337	750	Los Angeles.....	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X										
															KPSN	318	1000	Pasadena.....	X	X			X	X	X																			
			X	X	X	X	X	X	X	X	X	X	X	X	JAMB	301	100	Tia Juana, Mex.....			X	X	X	X	X	X																		
															KFWC	295	100	San Bernardino.....	X																									
															KTBI	294	750	Los Angeles.....	X	X	X	X	X	X																				
	X	X	X	X											KFSG	275	500	Los Angeles.....	X	X	X	X	X	X	X		X	X																
															KWTC	263	250	Santa Ana.....		X	X																							
X	X														XKFWB	252	500	Hollywood.....	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X									
															KFSD	246	1000	San Diego.....	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X									
															KNRC	238	1000	Santa Monica.....	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X								
	X	X	X	X	X	X	X	X	X	X	X	X	X	X	KFON	233	750	Long Beach.....	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X								
															KFQZ	226	500	Hollywood.....	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X								
															KGFH	219	100	La Crescenta.....					X	X	X	X																		
															XKFWO	211	250	Catalina.....	X	X	X	X																						
															XK FVD	205	500	Venice.....	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X								
<b>NORTHERN CALIFORNIA</b>																																												
															KLX	508	508	Oakland.....			X		X	X	X	X																		
X		X	X	X											XKPO	428	1000	San Francisco.....	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X							
X	X														KYA	400	1000	San Francisco.....		X	X		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X							
			X	X	X	X									KGO	361	4000	Oakland.....	X	X	X		X	X	X	X																		
X															KQW	333	500	San Jose.....	X	X	X	X	X	X																				
															XK TAB	303	1000	Oakland.....				X		X	X	X	X																	
															KSMR	283	150	Santa Maria.....	X	X	X	X	X	X	X	X																		
X	X	X	X	X	X	X									XK FRC	268	500	San Francisco.....	X	X	X		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X						
															XKRE	256	100	Berkeley.....																										
X	X														KFWH	254	100	Eureka.....								X	X	X	X															
															KFWI	250	500	San Francisco.....	X	X	X				X	X	X	X																
															KZM	240	100	Oakland.....		X																								
															KMJ	234	50	Fresno.....					X	X	X	X																		
<b>NORTHERN AND WESTERN STATES</b>																																												
X	X	X													XK GW	491	1000	Portland.....	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X						
															XKFOA	454	1000	Seattle.....		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X					
															XKEX	447	4000	Portland.....	X	X	X	X	X	X																				
															KFXFi	422	1000	Denver.....			X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X				
															KHQ	394	1000	Spokane.....	X	X	X	X																						
															KLZ	384	500	Denver.....	X	X																								
X	X	X													XKJR	348	20M	Seattle.....	X																									
X	X	X	X	X											XKOA	322	5000	Denver.....	X	X	X	X	X	X																				
															XKOIN	319	1000	Portland.....	X	X	X				X	X	X	X																
X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	XKOMO	306	1000	Seattle.....	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X				
															XKSL	300	1000	Salt Lake City.....	X	X	X	X	X	X																				
															CNRV	291	5000	Vancouver, B. C.....		X	X	X	X	X	X	X	X																	
															XKOWW	285	500	Walla Walla.....	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X			
															XKOAC	280	500	Corvallis, Ore.....		X	X	X	X																					
X	X														XKMO	250	500	Tacoma.....	X	X	X	X																						
															XKFQX	233	1000	Seattle.....																										

Hours Shown as Submitted by These Stations. For DX Schedule See Page 46



# Results Like This

Can Be Obtained  
with an



L. J. WOOLEY  
3803 BOYCE STREET

*Los Angeles, Calif.  
March 1st, 1927.*

*Palmer Radio Co.,  
4529 South Vermont Ave.,  
Los Angeles, Calif.*

*Gentlemen:*

*I know you are anxious to know my opinion of the INFRA-DYNE Receiver which you people built for me recently. I have had several sets in my home, but have never been as much pleased as with the INFRADYNE. For tone quality, selectivity and distance, I have only the highest praise. I will not burden you with my log, but will say that I am now getting the various Canadian stations, Detroit, Buffalo, Chicago and New York Stations, all this thru local interference.*

*I am more than pleased with your workmanship and can recommend the INFRADYNE to anyone wanting a receiver giving quality, selectivity and distance.*

*Very truly yours,  
(Signed) L. J. WOOLEY.*

**We Specialize in the Construction of This Efficient Receiver**

## PALMER RADIO LABORATORY

Established 1923

OPEN EVENINGS

4529 S. Vermont

VERmont 7883

Los Angeles

# SATURDAY TIME TABLE

ALL TIME TABLES ADJUSTED  
TO PACIFIC TIME  
(X) Indicates Station Is On The Air

10-12 A.M.		12-2 P.M.		2-4 P.M.		4-6 P.M.		STATIONS		6-8 P.M.		8-10 P.M.		10-12 P.M.																	
10:00-10:30	10:30-11:00	11:00-11:30	11:30-12:00	12:00-12:30	12:30-1:00	1:00-1:30	1:30-2:00	2:00-2:30	2:30-3:00	3:00-3:30	3:30-4:00	4:00-4:30	4:30-5:00	5:00-5:30	5:30-6:00	CALL	Wave Length Meters	Power In Watts	STATION	6:00-6:30	6:30-7:00	7:00-7:30	7:30-8:00	8:00-8:30	8:30-9:00	9:00-9:30	9:30-10:00	10:00-10:30	10:30-11:00	11:00-11:30	11:30-12:00
<b>SOUTHERN CALIFORNIA</b>																															
																	KELW	560	250	Burbank.....	X	X	X	X	X	X	X	X			
																	X	KFI	487	4000	Los Angeles....	X	X	X	X	X	X	X	X	X	X
			X	X														KFCR	413	50	Santa Barbara....				X	X					
																		KHJ	405	500	Los Angeles....		X	X		X	X	X	X		
																		X	KMIC	387	500	Inglewood.....	X	X	X	X	X	X	X		
	X	X																KFCB	360	50	San Diego.....				X	X	X	X	X	X	
X		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	KMTR	370	500	Hollywood.....	X	X	X	X	X	X	X	X	X	
X	X		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	KNX	337	750	Los Angeles....	X	X	X	X	X	X	X	X	X	
			X															KFSN	316	1000	Pasadena.....		X	X		X	X				
			X	X	X	X	X	X	X	X	X	X	X	X	X	X		JAMB	301	100	Tia Juana, Mex										
																		KSMR	223	100	Santa Maria....				X						
X	X	X	X					X	X	X	X							KFSG	275	500	Los Angeles....		X	X	X	X	X				
																		KWTC	263	250	Santa Ana.....	X	X		X	X	X			X	
			X	X														X	KFWB	252	500	Hollywood.....	X	X	X	X	X	X	X	X	X
																		KFSD	246	1000	San Diego.....	X	X	X	X	X	X	X	X	X	
								X	X									KNRC	238	1000	Santa Monica....	X	X	X	X	X	X	X	X	X	
X	X	X	X			X	X	X	X	X	X	X	X	X	X	X	X	KFON	233	750	Long Beach....	X	X	X	X	X	X	X	X	X	
			X	X														KFQZ	226	500	Hollywood.....	X	X	X	X	X	X	X	X	X	
																		X	KFYF	214	25	Oxnard, Calif...	X								
			X	X				X	X	X								KFWO	211	250	Catalina.....	X	X	X							
						X	X											KFVD	205	500	Venice.....	X	X	X	X	X	X	X	X	X	
<b>NORTHERN CALIFORNIA</b>																															
																		KFBK	535	100	Sacramento.....			X	X	X	X				
																		KLX	508	500	Oakland.....			X							
X		X	X	X				X	X	X	X							KPO	428	1000	San Francisco....	X	X	X	X	X	X	X	X	X	
			X	X	X													KYA	400	1000	San Francisco....		X	X		X	X	X	X	X	
			X	X	X													KGO	361	4000	Oakland.....				X	X	X	X	X	X	
X																		KQW	333	500	San Jose.....	X	X	X	X	X					
																		KTAB	303	1000	Oakland.....			X							
			X	X	X	X		X	X	X	X	X	X	X	X	X		KFRC	268	500	San Francisco....	X	X	X	X	X	X	X	X	X	
	X																	X	KRE	256	100	Berkeley.....									
						X	X											KFUS	256	50	Oakland.....		X	X							
																		KNWI	250	500	San Francisco....						X	X	X	X	
																		KZM	240	100	Oakland.....		X								
																		KMJ	234	50	Fresno.....						X	X			
																		KFQU	231	250	Holy City, Calif					X	X				
X	X		X			X												KFWH	225	100	Eureka.....										
<b>NORTHERN AND WESTERN STATES</b>																															
X	X	X		X	X													KGW	491	1000	Portland.....	X	X	X	X	X	X	X	X	X	
					X			X										KFOA	454	1000	Seattle.....		X	X	X	X	X				
																		X	KEX	447	4000	Portland.....	X	X	X	X	X	X	X	X	X
																		X	KFFX	422	1000	Denver.....	X	X	X	X	X	X	X	X	X
																		KKCD	410	2000	Vancouver, B. C.				X	X					
X						X	X											KHQ	394	1000	Spokane.....	X	X								
X	X	X																KJR	384	20M	Seattle.....	X					X	X	X	X	
																		KLZ	384	500	Denver.....		X	X	X						
X	X	X	X									X	X	X	X	X		X	KOA	322	5000	Denver.....							X	X	X
	X	X						X	X									X	KOIN	319	1000	Portland.....	X	X	X	X	X	X	X	X	X
X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	KOMO	308	1000	Seattle.....	X	X	X	X	X	X	X	X	X
																		X	KS	300	1000	Salt Lake City..	X	X	X	X	X	X	X		
																		X	KFJR	263	50	Portland.....									
X	X					X	X	X	X									X	KMO	250	500	Tacoma.....	X	X	X	X	X	X	X	X	X

Hours Shown as Submitted by These Stations. For DX Schedule See Page 46

Counterphase for DX: H. A. EVEREST, 1032 N. Ogden Dr. GR. 9915



Rear view above shows large compartment with ample space for batteries, battery charger, or battery eliminator, which are entirely concealed from view. Back is open for ventilation of batteries.



(Pat. Applied For)

**Model 200, with 22-inch  
Cone Loudspeaker**



Above is shown the Cone Loudspeaker, with its Panel, which is quickly and easily removable, allowing access to all batteries, battery charger, battery eliminator or other equipment and wiring.

**Model 200**

**\$35**

**Console with Cone  
Loudspeaker  
Ready for Set and  
Batteries**

This Windsor Cone Loudspeaker Console is equipped with a 22-inch Windsor Cone Loudspeaker. Its top is 30 in. x 17 in. and is 29 in. high. The battery shelf provides ample space for batteries, charger, battery eliminator and other equipment. Beautifully finished in either Mahogany or Walnut color.

# A Revelation in Radio Reproduction



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

**\$18.00**

(Pat. applied for)

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.

...

The Windsor Cone and Horn Loudspeakers, combined with attractive pieces of furniture in many models, are being demonstrated by recognized dealers everywhere. Go to your dealer today and examine this astonishing new Cone Loudspeaker Console. If he happens not to have one, write to us and we will tell you the name of the nearest store at which you can see and hear one.

...

## NOTE TO DEALERS

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

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

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.

## WINDSOR FURNITURE CO.

*World's Largest Manufacturers and Originators of  
Loudspeaker Consoles*

1420 Carroll Avenue, Chicago, Illinois

Los Angeles Branch: 917 Maple Avenue

R. D. 27

**WINDSOR FURNITURE  
COMPANY**  
Electrical Department,  
917 Maple Ave., Los Angeles.

Send me FREE and without obligation circulars of the Windsor line of Cone and Horn Loudspeakers combined with pieces of furniture, and name of nearest dealer.

Name.....  
Address.....  
Dealer's Name.....  
City.....State.....

# Schedule of DX Stations

Call Letters	Location	W. L. Meters	Power Watts	Schedule of Concert and Dance Music						
				Sun.	Mon.	Tue.	Wed.	Thu.	Fri.	Sat.
WBBM	Chicago	226	1500	6-10	S.	6-10	6-10	6-10	6-7	6-10
WIBO	Chicago	226	1000		4-5				10-12	
WOWO	Ft. Wayne, Ind.	227	1000		5-9		5-9	5-9		
WHT	Chicago	238-400	3500		S.	8-10	8-10	8-10	8-10	8-10
WWAE	Plainfield, Ill.	242	5000	S.	6-9	6-9	6-9	6-9	6-9	6-9
WOOD	Grand Rapids, Mich.	242	1000						8-10	8-10
WBAL	Baltimore, Md.	246	1000	5-6	5-9	5-9	S.	5-9	5-9	S.
WRVA	Richmond, Va.	256	1000		6-8		6-8	6-8	6-8	
WKAJ	Milwaukee	261	5000		6-8		6-8	6-8	6-8	
WCAR	San Antonio, Tex.	263	6000		8-9		8-9		8-10	
WENR	Chicago	266	1000		6-8	6-8	6-8	6-8	6-8	6-8
WGHP	Detroit	270	1500		S.	5-6	5-6	5-6	5-7	5-6
KGU	Honolulu	270	500	4-6	5-7	5-7	5-7	6-9	6-9	S.
WHK	Cleveland	273	1000	9-11	9-11	11-12		9-11	9-11	9-11
KFAL	Boise, Idaho	280	750	S.	5-8	5-7	5-8	5-8	5-6	5-8
KMOX	St. Louis	280	5000			7-9		7-9		
WSM	Nashville, Tenn.	282	1000	4-11	4-11	4-11	4-11	S.	4-11	4-11
WMBF	Miami, Fla.	284	5000		8-10		8-10			8-10
WPG	Atlantic City	300	5000	5-10	5-9	5-9	5-10	5-9	S.	5-10
WGN	Chicago	303	1000	6-8	5-9	5-9	S.	5-9	5-9	5-9
WLIB	Chicago	303	4000	6-8	8-9	6-9	6-9	6-9	6-9	6-9
KOIL	Council Bluffs	306	500			6-9	6-9	6-9	6-9	6-9
KDKA	Pittsburg	309	1000		5-11	8-10	8-10	8-10	8-10	8-10
WABC	New York	316	5000	S.	6-9	S.	6-9	S.	S.	9-11
WJAZ	Chicago	330	1500	5-7		6-10	5-9	5-7	5-7	5-7
WBZ	Springfield, Mass.	333	2000			6-9	6-9	6-9	6-9	6-10
KFAB	Lincoln, Neb.	341	1000	4-7	5-8	5-9	5-9	5-9	5-9	5-9
WLS	Chicago	345	5000			6-9		6-9		
WWJ	Detroit	353	1000	6-9		6-9	6-9	6-9	6-9	6-9
WDAF	Kansas City	366	1000	4-7	6-7	5-7	5-8	5-8	5-8	5-8
WJJD	Mooseheart, Ill.	370	1000	S.	6-11	6-11	6-11	6-11	6-11	6-11
KFBU	Laramie, Wyo.	375	500			6-11	6-11	6-11	6-11	6-11
KTHS	Hot Springs, Ark.	375	1000		8-10		8-10		8-10	
WGY	Schenectady, N. Y.	380	5000	7-10	7-10	7-10	7-9	7-9	7-10	7-9
WEAR	Cleveland	389	1000	6-7	S.	6-9	5-9	5-9	5-9	5-9
WTAM	Cleveland	389	1000	5-9	5-6	5-9	6-10	5-9	5-9	6-10
WOAI	San Antonio, Tex.	394	5000	5-7	S.	6-8	6-8	6-8	6-8	S.
PWX	Havana, Cuba	400	1000	5-7	5-9	5-8	5-8	5-8	5-8	5-7
CYJ	Mexico City	410	1000	5-7		5-8		5-8		
KFQB	Ft. Worth, Tex.	412	2500		6-10	6-10		6-10	6-10	6-10
WCCO	St. Paul, Minn.	416	5000		5-8	5-8	5-8	5-8		5-8
KFXF	Denver	422	500	S.	5-11	5-11	5-11	S.	5-11	5-11
WLW	Cincinnati	422	5000	4-6	4-7	4-7	4-9	4-10	S.	4-7
WSB	Atlanta, Ga.	428	1000	4-6	5-9	5-9	5-9	5-9	5-9	5-9
WQJ	Chicago	447	500	5-7	S.	7-11	7-11	7-11	7-11	7-12
WMAQ	Chicago	448	1000	S.	4-5	4-8	4-8	4-8	4-9	4-9
WJZ	New York, N. Y.	454	50000	4-8	5-9	5-9	5-9	5-9	5-9	5-9
WBAP	Ft. Worth, Tex.	476	1500	7-9	7-10	7-9	S.	7-10	7-10	7-10
CYL	Mexico City	480	1000		7-9	7-9	7-10	7-9	7-9	7-10
WOC	Davenport, Iowa	484	5000	4-9	S.	5-9	5-9	5-9	5-9	5-8
WEAF	New York City	491	5000		5-9	5-9	5-9	5-9	5-9	5-9
WJR	Detroit	517	5000	7-8	S.	5-7	7-9	6-7	S.	8-9
WOW	Omaha	526	1000	7-9	7-9	7-9	S.	7-9	7-9	7-9
WNYC	New York City	526	1000		5-8	5-8	5-8	5-8	5-8	5-8
WHO	Des Moines	526	5000	5-8	5-10	5-10	5-10	5-10	5-10	S.
KYW	Chicago	536	3500	6-9	4-5	6-10	6-10	6-10	6-10	6-10
KSD	St. Louis	545	500	5-7	6-8	5-7		5-7	5-8	5-8

Hours Shown, as Submitted by These Stations Adjusted to Pacific Standard Time.

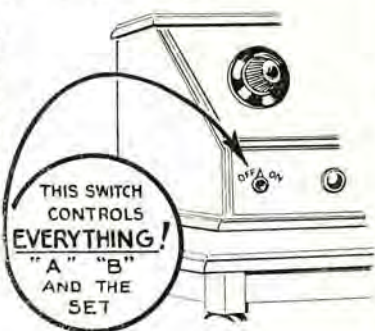
**CROSLY SPECIALISTS** HAVE YOUR CROSLY BALANCED  
 CHILDS' LAB., 1187 W. 24th St., L. A.

# Latest Products

## RADIO CONTROL SWITCH



The Acme Control Switch is entirely automatic, positive in action and compact in design, presenting a neat, attractive appearance. There is nothing of a complicated nature to cause any trouble.

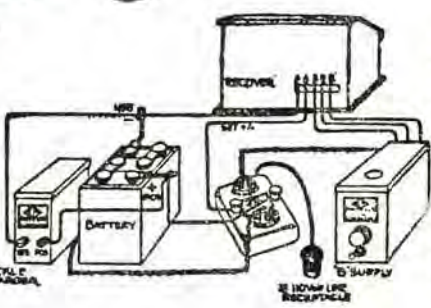


### Acme Control Switch

Type ACS—1  
for 6 Volt Tubes

Type ACS—2  
for 4 Volt Tubes

**Each  
\$4.50  
Complete**



When this switch is connected to the receiving set, which only requires a few minutes, and your set is turned on, the Trickle Charger is automatically disconnected, and the B-Power Unit is connected to the set and A-C supplied to its tube. When the set is turned off the Trickle Charger is connected to the Storage Battery and will immediately start charging the "A" Battery, and the "B" Eliminator is disconnected from the set and the A-C line.

## ACME TWO-RATE TRICKLE CHARGER



This trickle charger has been designed to serve the larger radio receiving sets and with this charger there may be obtained two charging rates by simply throwing the toggle switch on the outside of charger from one position to the other. The charging rates delivered are of 1/2 ampere and 1 1/2 amperes. This charger uses a 2 ampere tungar bulb with a specially designed transformer.

Type AT-2, 60 Cycle, \$15.75

Manufactured by

**Acme Electric & Mfg. Co.**  
CLEVELAND, OHIO

Stock for the Jobber Carried by Pacific Coast Special Representative

# N. F. ANDRUSS

426 Larkin Street

San Francisco

# You need not buy an expensive Radio to get 100% Radio Performance!



The Stewart-Warner Corporation, with over 20 years' experience in the manufacture of precision electrical and magnetic equipment, has produced a complete line of radio equipment sold under the name of Stewart-Warner Matched Unit Radio. Each unit in the entire line, whether it be the 3 dial receiving set with the U. S. Navy circuit pictured here, the new cone type reproducer shown with the receiver, or the double tested Stewart-Warner radio tubes... each unit is carefully matched in performance with the others to insure a 100% efficient radio combination.

Tremendous production volume has made it possible to sell Stewart-Warner radio at prices that are consistently lower, when performance and quality is considered, than you could reasonably expect. A demonstration of Matched Unit radio in your own home will prove to you, convincingly, that a Stewart-Warner radio of reasonable price will suit your purpose as well as one costing twice as much, or more. Any Stewart-Warner dealer will gladly arrange such a demonstration.

## Los Angeles Dealers

ATWATER RADIO & ELEC. CO.  
3208 Glendale Blvd.  
DEAN K. BARRIS  
3100 E. Vermont Ave.  
BENSON HARDWARE COMPANY  
416 South Broadway  
BIRONG & BUSHARD  
1717 W. Adams St.  
CALIFORNIA RADIO SHOP  
807 South Figueroa St.  
CHAPMAN HOUSE SALES CO.  
4374-76 S. Figueroa St.  
CLIFF'S RADIO SERVICE  
2055 Dayton Ave.  
DON FINKLE  
2207 West Jefferson  
A. W. COOPER  
1310 W. 30th St.  
HARRY SAVOY  
828 W. Jefferson St.  
HOLLAND ELECTRIC SHOP  
5832 Pasadena Ave.  
HIDLEY RADIO & BIKE HOUSE  
417 South Main St.  
HINES RADIO  
7322 South Broadway  
INTERPHONE ELECTRIC CO.  
5510 Monte Vista St.  
LESTER RADIO & ELEC. CO.  
4529 South Broadway  
LOVINGER'S MELROSE RADIO  
SHOP, 4438 Melrose Ave.  
RAY LYON  
7119 Compton Ave.  
RAY LYON  
1439 E. Florence Ave.

MANCHESTER RADIO CO.  
1022 E. Manchester Ave.  
MOORE RADIO SALES CO.  
92nd at Avalon Blvd.  
MOHAWK BAT. & RAD. CO.  
2115 Sunset Blvd.  
NILSSON & NELSON  
4320 Avalon Blvd.  
NORTON & NORTON  
2211 N. Broadway  
POTTER RADIO SALES CO.  
1817 W. 54th St.  
R & R SALES CO.  
257 South Vermont Ave.  
RADIO SUPER SERVICE CO.  
2044 Venice Blvd.  
RADIO SUPER SERVICE CO.  
4049 Russell Ave., at Vermont  
CHAS. A. ROBINSON  
4502 S. Normandie  
RADIO ELECTRIC SHOP  
782 S. Vermont Ave.  
A. C. SINGER  
4127 Pasadena Ave.  
SOUTHWEST ELECTRIC &  
RADIO CO., 807 W. Florence Ave.  
THAYER ELECTRIC CO.  
2908 Whittier Blvd.  
VISSER RADIO AND ELEC. CO.  
4750 Whittier Blvd.  
WEST STATES ELECT. CO.  
4751 South Broadway

## Hollywood Dealers

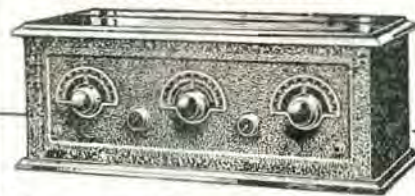
BARROWS & CONKWRIGHT  
5545 Sunset Blvd.  
DORAN'S ELECTRIC SHOP  
7615 Sunset Blvd.  
DORAN'S ELECTRIC SHOP  
8039 Santa Monica Blvd.  
GLOW ELECTRIC CO.  
5910 Hollywood Blvd.  
MELROSE RADIO SHOP  
5683 Melrose Ave.  
C. H. PRESTON & SON  
11235 Ventura Blvd.  
North Hollywood

## Southern California Dealers

ALHAMBRA, LeRoy B. Franklin  
844 W. Main.  
ANAHEIM, Holland Electric Co.  
177 W. Center St.  
ARROYO GRANDE, J. D. Truitt  
Arroyo Grande Plumbing and  
Electric Shop  
ARTESIA, Wm. B. Hayes  
725 N. Main St.  
BAKERSFIELD: Chilton-Grant  
Radio Co.  
1815 Twentieth St.  
BARSTOW, Barstow Radio Shop  
BELLFLOWER, Standard Radio Shop  
501 Somerset St.

BREA, Bennett's Radio Shop  
129 S. Pomona Ave.  
CHINO, Woods Radio Company  
413 5th St.  
COLTON, H. C. Bliss  
119 West "T" St.  
COVINA, Harold R. Houser  
115 Collins St.  
CULVER CITY, Culver City Radio &  
Elec. Co.  
4715 Washington Blvd.  
DOWNEY, H. H. Speaker  
9th and Crawford  
EAGLE ROCK, Weaver & King  
5112 Eagle Rock Blvd.  
EL SEGUNDO, B. W. McAllister  
119 Grand Ave.  
EL MONTE, Weaver & King  
(El Monte Hdwe. Co.)  
GARDENA, Don Spears  
735 W. 165th St.  
GLENDALE, Willard Hellman  
(Broadway Elec.)  
202 E. Broadway  
GLENDORA, James M. Reed

Stewart-Warner  
Matched-Unit Radio



Receiver Model 300 - New Reproducer -  
Now \$52<sup>50</sup> Without Model 415 -  
Accessories \$31<sup>50</sup>

HERMOSA BEACH, Rose Radio Store  
248 Camino Real  
HUNTINGTON PARK, H. L. (Radio)  
King  
116 E. Irvington St.  
MYNES, Van & Jenkins  
INGLEWOOD, R. D. Aylesworth  
111 N. Market St.  
LANCASTER, E. A. Knell  
BISHOP, Griffith Bros.  
LONE PINE, Griffith Bros.  
LONG BEACH, Alday & Crandall  
1118 American Ave.  
LONG BEACH, The Electric  
Radio Co.  
1719 E. Anaheim  
LONG BEACH, Harold A. Nicks  
189 Nieto St.  
LONG BEACH, W. L. Horrell  
740 Pine St.  
LYNWOOD, Lynwood Elec. Co.  
204 N. Long Beach Blvd.  
NEWHALL, C. E. Graham  
OCEAN PARK, Crescent Tire and  
Supply Co.  
Bay and Main Sts.  
ORANGE, Roy Das Larzen  
143 N. Glassell St.  
PALMS, Brickell Radio Elec. Co.  
12204 Washington Blvd.  
PASADENA, Wyckoff & Verrinder  
1447 North Lake St.  
PASADENA, Premier Radio  
11 California St.  
PASADENA, DeWilde Radio  
Laboratory  
2045 East Colorado Ave.

PASO ROBLES, R. C. Heston  
PICO, Pico Radio Shop  
POMONA, George W. Hiatt  
183 E. Third St.  
REDONDO, L. & L. Sales Co.  
210 Diamond St.  
REDLANDS, J. L. Yount  
106 W. Citrus Ave.  
RIVERSIDE, Frank W. Chaney  
998 Market St.  
SAN BERNARDINO, Gurr, Smith  
& Gurr  
429 Fourth St.  
SAN FERNANDO, Willis Rowe  
SAN GABRIEL, A. Burman  
3540 E. Huntington Dr.  
SAN LUIS OBISPO, Cline Elec. Co.  
956 Monterey St.  
SAN PEDRO, San Pedro Furn. Co.  
228 W. Sixth St.  
SANTA ANA, Shafer's Music Store  
415 N. Main St.  
SANTA BARBARA, Val Felger  
732 State St.  
SANTA MARIA, Ford & Smart  
118 E. Main St.  
SANTA MONICA, J. S. Suite  
825 Wilshire  
SANTA PAULA, The Music Shop  
104 W. Main St.  
SATICOY, H. H. Wright  
Sixth and D Sts.  
TAFT, L. H. Bird  
610 Center St.  
TONOPAH, NEVADA  
Tonopah Electric Company  
UPLAND, Jay M. Rees  
VENICE, Stewart-Warner Radio  
Studio  
1029 Washington Blvd.  
WALNUT PARK, Terminal Electric  
1608 Berille St.  
WESTMINSTER, Martha Essel  
WHITTIER, H. C. Oldham  
128 S. Greenleaf  
WILMINGTON, R. F. Chastain  
714 W. Anaheim St.

Remember - Stewart-Warner Radio Uses  
the Famous U.S. Navy Receiving Circuit -  
Stewart-Warner Products Service Station  
{ Wholesale Distributors Stewart-Warner Radio }  
1366 South Figueroa Street - LOS ANGELES

# NOW! Radio simplified at last!!!

## Just turn on the power and one dial brings in everything on the air

Everyone has been waiting for a really simplified radio. Here it is. Nothing could be easier to operate than this new Holmes creation. Everything is contained in one handsome cabinet and all you need to do is turn the off-to-loud switch and revolve one dial. In half a minute you can bring in every station on the air and decide which you want in a jiffy. Stations come



Offered now by all dealers on easy payment terms.

in loud and clear because Philco Socket Power eliminates batteries and gives you full power always. Marvelous tone reproduction through Holmes Cone Speaker.

This is the most sensational radio offering of the year. It's months in advance. Everybody knew it was coming—now see it—hear it at your dealer's. Demonstrations in your home can be easily arranged because there is no installation difficulty.

What this sensational combination includes—

### HOLMES

#### Model 41 Roto-for-Radio

Built of solid Tabasco Mahogany in two-tone antique mahogany finish to match almost any furniture. The original one-dial radio.

#### 5 CeCo Tubes

Tubes matched and tested by A. J. Tobey experts. This matching insures full power and tone.

#### Philco Socket Power

—does away with A and B batteries. No more recharging—no hum—no distortion. Plugs in on house light current. Always full power.

#### Holmes Cone Speaker

recognized as the finest type of reproducer obtainable. Built into cabinet.

**\$245**

(cash price)

#### No Batteries—

Operates on Philco Socket Power.

#### Only Two Moving Parts

Radio's off-to-loud switch turns on current as well. Every station on the air comes in with one complete turn of the one dial. That's all there is to it!

#### Everything built in one Cabinet—

#### No unsightly horns or batteries—

The Philco Power is built inside radio cabinet and speaker is built in. Only one cord connection to light socket and aerial and ground connection.

#### Guaranteed Installation—

Every set is assembled, double tested and inspected by the factory and the A. J. Tobey Co. before delivery. Your dealer will deliver this set to your home and demonstrate it at any time. It is guaranteed to be satisfactory.

Originated and developed by the  
International Radio Corporation and the

*A. J. Tobey Co.*

If your dealer has not this set on display, phone A. J. Tobey Co. at Westmore 4038 and ask for demonstration.

We will get in touch with your dealer and arrange it immediately. No obligation.

Send me more information about the Holmes Philco all-in-one Radio combination. My dealer's name is \_\_\_\_\_  
A. J. TOBEY CO., 15th and Hope Streets, Los Angeles, California.  
My Name \_\_\_\_\_  
Address \_\_\_\_\_  
City \_\_\_\_\_  
Phone \_\_\_\_\_



LESLIE ADAMS  
Announcer

## Los Angeles, California—467 Meters

# KFI

4000 WATTS—640 KILOCYCLES

Radio Central Super-Station of Earle C. Anthony, Inc.  
1000 S. Hope. Phone WE. 0331. After 5 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.—Radiatorial.

6:30 p. m.—Vest Pocket.

### MONDAY, WEDNESDAY AND FRIDAY—

KFI Woman's Interest Dept. Under the Direction of Agnes White.

10:20 to 10:40 a. m.—Furnishings for the home by Agnes White, director of the Dept.  
10:40 to 11:00 a. m.—Betty Crocker—Gold Medal Flour Home Service Talks.

### WEEK COMMENCING SUNDAY, MARCH 20, 1927

#### SUNDAY, MARCH 20

- 10:00 a. m.—Morning services under direction of Los Angeles Church Federation.  
11:00 a. m.—Services by Temple Baptist Church.  
2:45 p. m.—Standard Oil Company of California, presenting the San Francisco Symphony Orchestra, Alfred Hertz, conductor; broadcast simultaneously by KFI, KPO, and KGO.  
6:00 p. m.—Program by Russian Academy of Musical Art Trio, with Boris Myronoff, piano; Mischa Speigel, violin, and Alex Borrisoff, 'cello.  
6:58 p. m.—Father Ricard's Sunspot Weather Forecast.  
7:00 p. m.—Aeolian Organ Recital, Alex Reilly at the console, with John Claire Monteith, baritone soloist, with the organ.  
8:00 p. m.—Packard Classic hour. Program by Louise Caselotti.  
9:00 p. m.—Bob Bottger and his orchestra.  
10:00 p. m.—Packard Six Orchestra, Bill Hennessey, director; Dolly MacDonald, soloist.

#### MONDAY, MARCH 21

- 5:30 p. m.—Matinee program.  
6:15 p. m.—George Wilder Cartwright, talks on the Constitution of the United States.  
\*6:30 p. m.—Gamuet Male Quartet.  
7:00 p. m.—Johnston & Farrell's Music Box Hour, direction of Gene Johnston, with the Jim, Jack and Gene Trio, and soloists.  
8:00 p. m.—Song Recital, by Mathilda Prezant and Robert Hurd.  
9:00 p. m.—Mrs. Edward C. Crossman, contralto; Leoline Walton, concert pianist; Orline Burrow, violinist.

- 10:00 p. m.—Program by Meiklejohn Bros.

#### TUESDAY, MARCH 22

- 5:30 p. m.—The Dragon Hawaiians.  
6:00 p. m.—Ruth Raynor, vocalist and pianist.  
6:15 p. m.—Prof. Carl S. Knopf, archeologist.  
6:30 p. m.—Bertha Miller English, pianist, Katherine Spangler and Elaine Ruth.  
7:00 p. m.—Hale Hooper, tenor, and the Los Angeles Fire Department Orchestra.  
8:00 p. m.—Gattone String Quartet, with James Burroughs, tenor, and Charles Myers, accompanist and pianist.  
9:00 p. m.—Thomas Wallace, baritone; The Musical Three, and Wilma Pothoff.  
10:00 p. m.—Azure Music Club, Edna Cook, Blues Singer, and Glenn Edmunds and his Collegians Dance Orchestra.

#### WEDNESDAY, MARCH 23

- 5:30 p. m.—Sebastian's Cotton Club Orch.  
6:15 p. m.—Radiatorial period.  
6:30 p. m.—Silvertone Ladies' Quartet.

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Program Published as Submitted by the Station.

- 7:00 p. m.—Ray Fisher's Original Victorians.  
7:30 p. m.—Nick Harris Detective Stories.  
7:45 p. m.—Helen Guest, ballad singer.  
8:00 p. m.—Program, presenting Calpet String Quartet, Chico DeCerde, director; Calpet Male Quartet on the California Petroleum Corporation program.  
9:00 p. m.—Gleaner Quartet, Dorothy Ny-stuen, concert pianist; J. Ross MacKenzie, baritone; Everett Anderson.

#### THURSDAY, MARCH 24

- 5:30 p. m.—Legion Night Club Orchestra.  
6:15 p. m.—Radiatorial period.  
6:30 p. m.—Clarice Russell and Leslie Adams, popular music.  
7:00 p. m.—Program by University of Southern California.  
8:00 p. m.—KFI Drama Hour.  
9:00 p. m.—J. Maurice Woods, baritone; Robert Young, solo pianist; Norma Webb, soprano.  
10:00 p. m.—Program of modern classical music, Lorelle Forestad, violinist; Pastel Trio; Kitty Short, soprano.

#### FRIDAY, MARCH 25

- 5:30 p. m.—Eugene Biscailuz's program.  
6:15 p. m.—Madame Nelson, psychologist.  
6:30 p. m.—Starke Sisters.  
7:00 p. m.—Aeolian Organ recital, Reilly at the console.  
8:00 p. m.—Program by Paul Roberts and Leslie Adams.  
9:00 p. m.—Program by Alma Frances Gordon, contralto; Lilyan Ariel, pianist, and the Muriel Dae String Quintette.  
10:00 p. m.—Packard Ballad Hour. Emma Kimmel, soprano; Harry Rowe, baritone; Edna Biles, contralto; Doris Greenwood, accompanist.

#### SATURDAY, MARCH 26

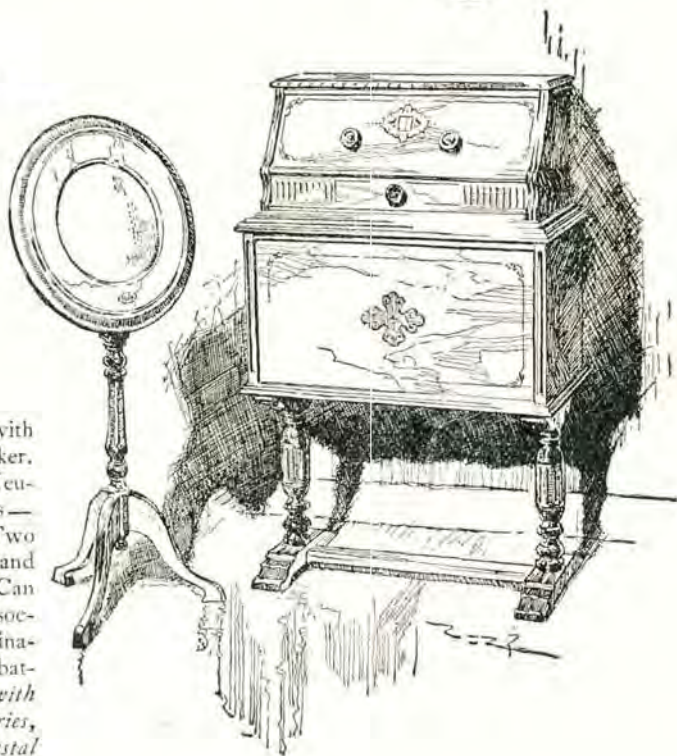
- 5:30 p. m.—Del Monte Orchestra.  
6:15 p. m.—Francis Sullivan, literary talks.  
6:30 p. m.—A Beethoven Centennial program, arranged by Feodor Kolin.  
7:30 p. m.—Felipe Delgado, baritone, with Edna Clark Muir, pianist.  
8:00 p. m.—Harriet Henderson, soprano; Robert Hurd, tenor; Z. Earl Mesker, Will Garroway, pianist, and the Mission Bell Orchestra; Pryor Moore, director, on the Los Angeles Soap Company program, broadcast simultaneously by KFI and KPO.  
9:00 p. m.—Los Angeles philharmonic Orchestra; Virginia Flohri, soloist, with the orchestra.  
11:00 p. m.—KFI Midnight Frolic.



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Attractive  
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still open  
to live  
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*GILFILLAN 10* — with base and Rola cone speaker. A powerful, compact Neutrodyne set. Five tubes — one a "power" tube. Two stages each of Radio and Audio Amplification. Can be operated from light socket with battery eliminators, or with the usual battery equipment. *Price, with console base, less accessories, \$115. The Rola pedestal speaker shown is \$32.50.*



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"Uncle John" Daggett  
Announcer

## Los Angeles, California—405.2 Meters

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500 WATTS—740 KILOCYCLES  
Times Bldg., First and Broadway, Los Angeles  
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JOHN S. DAGGETT, Manager and Program Announcer  
Phone MET. 0700  
"Kindness, Happiness and Joy"

NIGHTLY EXCEPT SUNDAY AND MONDAY—  
7:30 p. m.—Scripture Reading.

### WEEK COMMENCING SUNDAY, MARCH 20, 1927

#### SUNDAY, MARCH 20

- 10 a. m.—Sermon from the KHJ Studio by Rev. C. E. B. Ward, superintendent of the League for the American Home, a visitor in Los Angeles from New York.  
10:30 a. m.—Morning service from First Methodist Episcopal Church, Sibley Pease, organist.  
7:00 to 8:00 p. m.—Evening services from the First Methodist Episcopal Church.  
8:00 to 10:00 p. m.—News items. KHJ Studio program presenting Frederick MacMurray, viola; Louise Miller, pianist, and others.

MONDAY, MARCH 21  
Silent all day.

#### TUESDAY, MARCH 22

- 2:30 p. m.—Bridge game.  
6:30 p. m.—Children's hour with Queen Titania and her Sandman, Charles Leslie Hill, "Honey Boy," Clara Hannaford, 15-year-old singer, and Radio Fairies.  
7:00 p. m.—H. M. Robertson, "Dogs."  
8:00 to 10:00 p. m.—News items. Program to be announced later.  
9:00 p. m.—Rev. John Springer will talk on "Congo."  
10:00 to 11:00 p. m.—Los Angeles Railway Orchestra.

#### WEDNESDAY, MARCH 23

- 2:30 p. m.—Fred C. McNabb, "Garden Talk."  
6:30 p. m.—Children's hour, presenting Dick Winslow, "Juvenile Reporter," Viola Esen, "B.B."; Vivian Marple, "Blue Bell of KHJ"; Patricia Eccleston, "Little Daffodill"; Lois Jane Campbell, "Brown Eyes"; Glen Fitz, "Optimistic Mascot," and pupils of Marshall Stedman.  
7:40 p. m.—Dr. Mars Baumgardt.  
8:00 to 9:00 p. m.—News items. Program from KHJ Studio.  
9:00 p. m.—George B. Chase, "Library."  
9:00 to 10:00 p. m.—Program presented by Selwyn Harris Studio.

*Program Published as Submitted by the Station.*

10:00 to 11:00 p. m.—Jinnistan Vale Orchestra.

#### THURSDAY, MARCH 24

- 6:30 p. m.—Children's hour, including Joyce Coad, "Little Red Ridinghood"; June Brandon, contralto; Dickie Brandon, juvenile reader; Rosetta Lewin, "Curly Locks"; Jeanne De Bard, "Bonnie Jeanne"; Nelita Bennett, "Ginger Bread Girl," and Kathryn Thompson, "Nature Talks" and saxophone solos.  
7:40 p. m.—Dr. Philip M. Lovell.  
8:00 to 10:00 p. m.—News items. Program De Luxe, presenting Zoellner Quartette, Louise Miller, pianist; Leo H. Sansiper, Russian baritone.  
9:00 p. m.—Arthur Edwin Wake, assistant pastor of the Wilshire Presbyterian Church.  
10:00 to 11:00 p. m.—Hour of dance music by Glenn Edmunds and his Varsity Four.

#### FRIDAY, MARCH 25

- 6:30 p. m.—Children's hour, presenting Roberta Bush, "Firefly"; Collins Twins, Katherine and Ellen, 7-year-old singers; Henrietta Poland, "Little Forget-me-not"; Marguerite Bringham, "Nightingale"; Richard Headrick, "Little Minister," and others.  
7:00 p. m.—Thomas F. Ford, "Book Reviews."  
8:00 to 10:00 p. m.—News items. Musical program featuring Grace Currey, harpist.  
9:00 p. m.—Talk on International Relations.

#### SATURDAY, MARCH 26

- 6:30 p. m.—Children's hour, with Nona Clapp, "Sunshine Fairy"; Dolly Wright, "Dolly of Radioland"; Arthur Stevens, "King Arthur"; Marjorie G. Love, "June Bug"; Marguerite and Elaine Joy, readers.  
8:00 to 10:00 p. m.—News items. Program presented by Feodor Kolin, composer, and assisting artists commemorating the Centennial of Beethoven's Death.

Tune In KMTR, March 21st, 9:00 to 10:00 P. M., for  
Radio Doings Prize Program



LOW LOSS ANTENNA

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WESCO Low Loss Antenna  
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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 any place.  
Perfect reproduction, selectivity, volume; beautifully designed.  
Will Fit in Any Setting.*

*The Lowest Priced Set of Its Kind on the Market.*

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LOS ANGELES

Westmore 2504

Makers of Kemper Amphiphonic Console



HAROLD ISBELL  
Announcer

## Hollywood, California—337 Meters

# KNX

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Blvd., Hollywood. Phone HEMstead 4101  
NAYLOR ROGERS, Manager and Program Director  
GLEN RICE, Asst. Manager.  
"The Voice of Hollywood"

### DAILY EXCEPT SUNDAY—

- 6:45 to 8:00 a. m.—Exercises by Dr. P. M. Seixas, courtesy of Producers of Mission Orange Juice.  
8:00 a. m.—Inspirational talk and morning prayer.  
8:55 a. m.—Time signals from Washington, D. C.  
9:00 a. m.—Radio Shopping News.  
10:00 a. m.—Town Crier of the Day's morning message.  
10:30 a. m.—Kate Brew Vaughn Director Household Economics Dept., Evening Express, except Friday and Saturday.  
12 noon—Magnavox Radio Orchestra, courtesy of Listenwalter & Gough.

- 12:30 p. m.—W. F. Alder Travelogue.  
1:30 p. m.—The Book Worm.  
2:00 p. m.—Radio Trades Association, musical program.  
4:00 p. m.—Lost and Found Column.  
4:55 p. m.—Market reports.  
5:00 p. m.—Optimists Daily Messages, presenting the Optimist Male Quartet.  
5:30 p. m.—Orthophonic Victrola.  
6:00 p. m.—Biltmore Hotel Orchestra, broadcast from the Biltmore Dining Room.  
6:30 p. m.—Dinner hour concert presenting the Yale Radio Battery Orchestra.

### DAILY EXCEPT SUNDAY AND TUESDAY—

- 11:00 p. m.—Hotel Ambassador, Gus Arnheim's Coconut Grove Orchestra

### WEEK COMMENCING SUNDAY, MARCH 20, 1927

- SUNDAY, MARCH 20**  
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.—Hollywood 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.

### MONDAY, MARCH 21

- 12:45 p. m.—C. P. R.'s musical program.  
3:00 p. m.—First Presbyterian Church of Hollywood.  
7:00 p. m.—George J. Birkel Music Co. presenting the Orthophonic Victrola.  
7:30 p. m.—Playlet, courtesy Overell Furniture Company.  
8:00 p. m.—L. W. Stockwell Co. courtesy program, presenting Calmon Luboviski, master violinist, and Claire Mellonino, concert pianist.  
9:00 p. m.—B. F. Goodrich Rubber Co. of Akon, Ohio, Goodrich Silvertown Cord Orchestra.  
10:00 p. m.—KNX feature program.  
11:00 p. m.—Hotel Ambassador; Gus Arnheim's Coconut Grove Orchestra.

### TUESDAY, MARCH 22

- 11:00 a. m.—Dr. R. H. Gerber, specialist, Eye Strain and Nervous Diseases.  
3:00 p. m.—Los Angeles Police Department musical program.  
4:00 p. m.—Radio Matinee with Louise Howatt, contralto.  
7:00 p. m.—Wilshire Ionaco Company courtesy program presenting Charles Hamp.  
7:30 p. m.—Fitzgerald Music So. presenting the Ampico Knabe Piano.  
8:00 p. m.—Feature program.  
9:00 p. m.—Feature program.  
10:00 p. m.—Hotel Ambassador; Gus Arnheim's Coconut Grove Orchestra.

### WEDNESDAY, MARCH 23

- 12:45 p. m.—C. P. R.'s musical program.  
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 program.  
11:00 p. m.—Hotel Ambassador; Arnheim's Coconut Grove Orchestra.

### THURSDAY, MARCH 24

- 11:00 a. m.—Nature talk, courtesy Marvel Ant Gelatine Co.  
7:00 p. m.—Carthay Circle Theatre organ recital, courtesy Overell Furniture Co.  
8:00 p. m.—National Home Equipment Co. courtesy program.  
9:00 to 10:00 p. m.—Tucker and Charleson.  
10:00 p. m.—Feature program.  
11:00 p. m.—Hotel Ambassador; Gus Arnheim's Coconut Grove Orchestra.

### FRIDAY, MARCH 25

- 12:45 p. m.—Charles Weeks, talking on "Intensive Little Farms."  
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 Co., presenting the Ampico Knabe Piano.  
7:30 p. m.—Dearden's Furniture Company, courtesy program.  
8:00 p. m.—Davis Perfection Bread Co., courtesy program, presenting the Royal Order of Optimistic Do-Nuts.  
9:00 p. m.—Fada Radio Co., courtesy program.

- 10:00 p. m.—Main events from the American Legion Stadium.

- 11:00 p. m.—Hotel Ambassador; Gus Arnheim's Coconut Grove Orchestra.

### SATURDAY, MARCH 26

- 12:45 p. m.—C. P. R.'s musical program.  
3:00 p. m.—Town Crier of the Day and his Pals.  
7:00 p. m.—Stories of insect life by Harry W. McSpadden.  
7:15 p. m.—Announcement of Sunday services of the leading Los Angeles churches.  
7:30 p. m. to 10:00 p. m.—Feature program.  
10:00 p. m.—Hotel Ambassador; Gus Arnheim's Coconut Grove Orchestra.  
11:00 p. m.—KNX Frolic from the Main Studio.

Program Published as Submitted by the Station.

# ATWATER KENT RADIO



*Model 32, Seven Tube, One Dial Receiver, \$145 (Less Accessories)*

## *How Many Call Letters Do You Know?*

Ever notice how fluently Atwater Kent Radio owners, especially those of Model 32, can name the call letters of distant stations? Seems to be as natural to them as naming the locals—sometimes more so.

The reason is obvious: Atwater Kent One Dial simplicity needs no patient "juggling" or careful "tuning." All that is required is to rotate that One Dial through half a turn, and if the station desired is on the air, and within range—you get it, instantly.

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**BILL RAY**  
Announcer

## Hollywood, California—252 Meters

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Phone GL. 9461  
"Movie Land"

### 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, MARCH 20, 1927

#### SUNDAY, MARCH 20

- 2:00 to 3:00 p.m.—Organ Recital on the world's mightiest organ, located in Roosevelt Memorial Park, Los Angeles—broadcast by 6XBR and rebroadcast by KFWB.  
8:30 to 9:00 p.m.—Program by courtesy of the Southern California Music Company.  
9:00 to 1:00 p.m.—Warner Bros.' Frolic, introducing Frances St. George, KFWB Jazzmania Girl; Kenneth Killum, popular songs; Charles Ramsay, tenor; Byrle Colby, ballads; Harry G. Keiper and his Movieland Orchestra, and others.

#### MONDAY, MARCH 21

- 8:00 to 9:00 p.m.—Jackie Lucas, blues songs; Honeywell Twins in popular numbers; Owen Fallon's Californians.  
9:00 to 10:00 p.m.—Geo. B. Gookins, baritone; Warner Bros.' European Novelty Orchestra.

#### TUESDAY, MARCH 22

- 10:45 to 11:00 a.m.—Enid Garnett on "Feminine Fads and Fancies."  
4:45 to 5:00 p.m.—Dr. L. P. Clarke 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.—LeRoy Kullberg and his Ukulele; Ann Grey, blues songs; Warner Bros. Dance Orchestra.  
9:00 to 10:00 p.m.—Jack Gerss, tenor; Warner Bros. String Trio.

#### WEDNESDAY, MARCH 23

- 10:45 to 11:00 a.m.—Enid Garnett on "Feminine Fads and Fancies."  
7:00 to 7:30 p.m.—Thirty minutes of Sunshine by Charles W. Hamp, presenting the Ionaco.

- 7:30 to 8:00 p.m.—Warner Bros.' Orchestra.

- 8:00 to 9:00 p.m.—Art Goodstein, popular songs; Camilla McDonald, blues songs; Glenn Edmunds and his Collegians.  
9:00 to 10:00 p.m.—Franklyn Colson, dramatic tenor; Warner Bros.' String Trio.

#### THURSDAY, MARCH 24

- 10:45 to 11:00 a.m.—Enid Garnett on "Feminine Fads and Fancies."  
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.—George O'Hara and his Ukulele; Helen Waltenberg, popular songs; Warner Bros.' Orchestra.  
9:00 to 10:00 p.m.—Alma Brown, soprano; Pennell Melody Trio.

#### FRIDAY, MARCH 25

- 10:45 to 11:00 a.m.—Enid Garnett on "Feminine Fads and Fancies."  
7:00 to 8:00 p.m.—Warner Bros.' Orchestra; Virginia King, blues songs; LeRoy Kullberg and his Ukulele.  
8:00 to 9:00 p.m.—Esther White, character songs; Eddie Graham, popular songs; Warner Bros.' Orchestra.  
9:00 to 10:00 p.m.—Melody Makers' Hour; Studio Chatter at 9:30.

#### SATURDAY, MARCH 26

- 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 MonoMotor Oil Company, introducing Frank Barry, tenor; MonoMotor Oil Company String Orchestra.  
9:00 to 10:00 p.m.—Ernest Durley, tenor; Ray Bailey's String Quartet.

*Program Published as Submitted by the Station.*

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**G. ALLISON PHELPS**  
Manager and Announcer

## Hollywood, California—370.2 Meters

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Owned and Operated by C. C. JULIAN  
FORBES W. VAN WHY, Engineer-in-Charge

### DAILY EXCEPT SUNDAY—

- 7:00 to 7:30 a. m.—Prof. Barclay L. Severn's Setting-Up Exercises.  
9:00 to 10:00 a. m.—KMTR Buyer's Hour, featuring Hatch Graham.  
12:00 to 12:30 p. m.—Leighton's Arcade Cafeteria Orchestra.  
12:30 to 1:30 p. m.—Who's Who and What's Happening.  
1:30 to 2:30 p. m.—Radio Press Agent Hour.  
2:30 to 3:30 p. m.—KMTR Tea Dance Program.  
3:30 to 4:00 p. m.—Whispering Jack Don and His Guitar, courtesy Dyn-O-Mag Co.  
4:00 to 4:15 p. m.—Vacation Days.  
5:30 to 6:00 p. m.—White King Male Quartet and Mona Content, pianist, courtesy Los Angeles Soap Co.  
6:00 to 6:15 p. m.—Nightly Doings.  
6:15 to 7:00 p. m.—Leighton's Arcade Cafeteria Orchestra, George Redman, director.  
7:00 to 7:30 p. m.—Fitzgerald Music Company, courtesy program.  
10:00 to 11:00 p. m.—Miller's Cafe Lafayette Dance Orchestra, courtesy of Chapman Ice Cream Co.

### WEEK COMMENCING SUNDAY, MARCH 20, 1927

#### SUNDAY, MARCH 20

- 5:30 to 6:15 p. m.—White King Male Quartet—Courtesy Los Angeles Soap Company.  
6:15 to 6:30 p. m.—Nightly Doings.  
6:30 to 8:00 p. m.—Miller's Cafe Lafayette Concert Orchestra—Courtesy of Chapman Ice Cream Company.  
8:00 to 9:30 p. m.—Loren Powell's Little Symphony.

#### MONDAY, MARCH 21

- 11:45 to 12:00 m.—Golf Talk by S. E. Connolly of L. A. Athletic Club.  
12:30 to 1:30 p. m.—Who's Who and What's Happening in Pomona.  
4:15 to 4:45 p. m.—J. T. Redding, representing Wilshire's Ionaco.  
7:30 to 8:00 p. m.—La Vina Investment Company—Courtesy Program.  
8:00 to 9:00 p. m.—Eureka Vacuum Cleaner Company—Courtesy Program.  
9:00 to 10:00 p. m.—Precision Electric Manufacturing Company Radio Doings Prize Program.

#### TUESDAY, MARCH 22

- 10:00 to 10:15 a. m.—Charles Hamp, representing the Iona Company.  
10:15 to 11:00 a. m.—Georgia O. George—"The Physiology and Psychology of Beauty."  
11:00 to 12:00 m.—Talk by Madame Alene.  
12:30 to 1:30 p. m.—Who's Who and What's Happening in Whittier.  
4:15 to 5:00 p. m.—Le Roy Parry and His Elite Dance Orchestra.  
7:30 to 8:00 p. m.—Courtesy Program.  
8:00 to 9:00 p. m.—Maxwell House Coffee Company—Courtesy Program, featuring Maxwell House Coffee Orchestra and Lenore Duncan, contralto.  
9:00 to 10:00 p. m.—Hollywood Storage Company—Courtesy Program.

#### WEDNESDAY, MARCH 23

- 10:00 to 10:30 a. m.—Dr. S. J. Mathieson, pastor of the Hollywood Christian Church.  
12:30 to 1:30 p. m.—Who's Who and What's Happening in Anaheim.  
4:15 to 4:30 p. m.—Rev. C. E. B. Word—"Better Home Life."  
4:30 to 5:30 p. m.—Dr. Wesley M. Barrett—"Perfect Eyesight Without Glasses."  
7:30 to 8:00 p. m.—Mignon Trio.  
8:00 to 9:00 p. m.—Safeway Stores Courtesy program.

- 9:00 to 10:00 p. m.—Hollywood Storage Company—Courtesy Program.

#### THURSDAY, MARCH 24

- 10:00 to 10:15 a. m.—Fifteen Minutes of Sunshine with Charles Hamp, director of Radio Activities for the Iona Company.  
10:15 to 10:45 a. m.—Dr. Paul J. Dorosh—"Diet Question Box."  
10:45 to 11:45 a. m.—Georgia O. George—"Psychology of Beauty."  
11:45 to 12:00 m.—Golf Talk by S. E. Connolly of the Los Angeles Athletic Club.  
12:30 to 1:30 p. m.—Who's Who and What's Happening in Glendale.  
4:15 to 4:45 p. m.—J. P. Redding, representing Wilshire's "Ionaco."  
7:30 to 10:00 p. m.—2½ hours of vaudeville.

#### FRIDAY, MARCH 25

- 10:00 to 10:30 a. m.—Dr. J. T. Coulter—"Dogs and Cats."  
12:30 to 1:30 p. m.—Who's Who and What's Happening in Santa Ana.  
4:15 to 4:45 p. m.—Dr. Lowell C. Frost of the Hollywood High School—"The Conservation of Boys."  
7:30 to 8:00 p. m.—Thirty Minutes of Sunshine with Charles Hamp, director of Radio Activities for the Iona Company.  
8:00 to 9:00 p. m.—Alta Club Ginger Ale Company, presenting the famous Len Nash Alta Club Hawaiian-American Band.  
9:00 to 10:00 p. m.—Rudolph Furniture Company.

#### SATURDAY, MARCH 26

- 10:00 to 10:15 a. m.—Charles Hamp, representing the Iona Company.  
11:30 to 12:00 m.—Gordon Whitnall of the City Planning Commission.  
12:30 to 1:30 p. m.—Who's Who and What's Happening in Catalina Island.  
4:15 to 4:30 p. m.—Irene Hobson's Beauty Talk.  
4:30 to 5:00 p. m.—Radio Talk to Radio Fans by F. W. Van Why.  
7:30 to 7:40 p. m.—Talk by representative of the Sheriff's Office of Los Angeles.  
7:00 to 8:00 p. m.—KMTR Movie Club.  
8:00 to 8:30 p. m.—Casa Loma Mountain Club.  
8:30 to 9:00 p. m.—Luna Park Program.  
9:00 to 10:00 p. m.—Program of the Los Angeles Police Department.



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**M. E. CARRIER**  
Announcer

## Los Angeles, California—294 Meters

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MR. M. E. CARRIER, Manager  
PROF. H. G. TOVEY, Director of Programs  
Phone ME. 6701

### DAILY EXCEPT SUNDAY—

8:45 to 9:15 a. m.—Devotional Hour.  
2:00 to 3:00 p. m.—Inspirational Hour.

### DAILY EXCEPT FRIDAY AND SUNDAY—

7:15 to 8:00 p. m.—Aunt Martha's Children's Hour.

### WEEK COMMENCING SUNDAY, MARCH 20, 1927

#### SUNDAY, MARCH 20

10:45 a. m. to 12:30 p. m.—Regular service of Church of the Open Door.  
3:00 to 4:00 p. m.—Jewish Radio Hour. Bible exposition by Rev. David L. Cooper.  
6:00 to 7:00 p. m.—Radio Vesper Service.  
7:15 to 9:30 p. m.—Regular service of the Church of the Open Door.

#### MONDAY, MARCH 21

8:00 to 9:00 p. m.—Bible exposition by Rev. C. B. Larrabee of Arizona.

#### TUESDAY, MARCH 22

8:00 to 9:00 p. m.—Bible exposition by Rev. C. B. Larrabee.

#### WEDNESDAY, MARCH 23

8:00 to 9:00 p. m.—Bible exposition by Dr. John McNeill.

#### THURSDAY, MARCH 24

8:00 to 9:00 p. m.—Bible exposition by Rev. C. B. Larrabee.

#### FRIDAY, MARCH 25

2:00 to 3:00 p. m.—Inspirational 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 lesson

8:00 to 9:00 p. m.—Bible exposition by Dr. John McNeill.

*Program Published as Submitted by the Station.*



**G. N. NICHOLS**  
Announcer

## Los Angeles, California—275.1 Meters

# KFSG

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AIMEE SEMPLE McPHERSON, Founder, President  
RODERICKE MORRISON, Program Manager  
ESTHER FRICKE GREENE, Organist  
GLADWYN N. NICHOLS, Musical Director & Announcer  
P. S. LUCAS, Technician in Charge  
"Four Square Gospel"

### DAILY EXCEPT SUNDAY AND MONDAY—

10:30 to 11:30 a. m.—Sunshine Hour.  
11:30 a. m. to 12:30 p. m.—Noonday Musical.  
6:30 to 7:30 p. m.—Angelus Hour.

### DAILY EXCEPT SUNDAY, MONDAY, WEDNESDAY, SATURDAY—

2:30 to 3:30 p. m.—Gray Studio Program.

### WEEK COMMENCING SUNDAY, MARCH 20, 1927

#### SUNDAY, MARCH 20

10:30 a. m. 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. Angelus Temple Band and choir.  
8:00 to 9:30 p. m.—Revival Service by A. G. Garr.  
10:00 to 11:00 p. m.—Organ Recital by Esther Fricke Greene.

#### TUESDAY, MARCH 22

3:30 to 4:30 p. m.—Vesper Hour. Organ Recital by B. Earnest Ballard.  
6:30 to 7:30 p. m.—Angelus Hour. Program arranged by Rodericke H. Morrison.  
7:30 to 9:30 p. m.—Evangelistic services by Student Evangelists.

#### WEDNESDAY, MARCH 23

2:30 to 5:30 p. m.—Divine Healing Service  
6:30 to 7:30 p. m.—Angelus Hour. Program arranged by Rodericke H. Morrison.  
7:30 to 9:30 p. m.—Regular mid-week prayer service by A. G. Garr.

#### THURSDAY, MARCH 24

3:30 to 4:30 p. m.—Vesper Hour. Organ recital by B. Earnest Ballard.  
6:30 to 7:30 p. m.—Angelus Hour.  
7:30 to 9:30 p. m.—Regular Water Baptismal Service. A. G. Garr.  
9:15 to 10:00 p. m.—Gray Studio Program.  
10:00 to 11:00 p. m.—Organ Recital by Esther Fricke Greene.

#### FRIDAY, MARCH 25

3:30 to 4:30 p. m.—Vesper Hour. Organ Recital by Esther Fricke Greene. Angelus Hour. Angelus Temple Band.  
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 26

3:30 to 4:30 p. m.—The Children's Happy Hour.  
6:30 to 7:30 p. m.—Angelus 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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Gladstone 3197; Gladstone 3198  
DAVE WARD, Program Director and Announcer  
L. E. TAFT, Technical Engineer  
"The Palace Bungalow Studio"

DAILY EXCEPT SUNDAY—

6:00 to 7:00 p. m.—Panatrophe Dinner Hour.

MONDAY, TUESDAY, WEDNESDAY, THURSDAY—

12:00 to 1:00 p. m.—Hazel McCauley and the Office Boy  
3:30 p. m.—Thursday. Try-outs (not broadcast)

WEEK COMMENCING MONDAY, MARCH 21, 1927

MONDAY, MARCH 21

- 7:00 p. m.—L. E. Taft on Radio Technology.  
7:30 p. m.—Hoot Gibson's Trio, Kathrine Williamson and "Red" Wyatt.  
8:00 p. m.—Myra Belle Vickers.  
9:00 p. m.—Yellow Jackets, L. A. Railway Quartet, Wendell Smith, and Virginia King, accompanied by Mable King.

TUESDAY, MARCH 22

- 7:00 p. m.—Marion Boogar and Earl Lawrence, "The Novelty Duo"; Warren Peterson and Bud Overbeck.  
8:00 p. m.—Neapolitan Four and C. Howard Paxton.  
9:00 p. m.—Police and Fire joint program, Officer Robt. F. Tracy.

WEDNESDAY, MARCH 23

- 7:00 p. m.—Clint Stevenson's Trio, Ed Pose and Helen Boyd.  
8:00 p. m.—Bob Buckner and his Sole Killers, Art Goodstein and Lee Bolin.  
9:00 p. m.—Yellow Jackets, Honeywell Twins, Virginia King, accompanied by Mable King, and Jack Goode.

THURSDAY, MARCH 24

- 7:00 p. m.—L. E. Taft on Radio Technology.  
7:30 p. m.—Jack Martin's Trio, and Ruth Raynor.  
8:00 p. m.—LeRoy Parry's Elite Orchestra, and Ned Miller.

- 9:00 p. m.—L. A. Railway Orchestra, the Harmony Twins, Helen Simpson and Esther Ware.

FRIDAY, MARCH 25

- 12:00 noon—Greenwich Village Orchestra and Babette Barker, soloist.  
7:00 p. m.—American Hawaiian Trio, Hale Hooper and Margaret Kernon.  
8:00 p. m.—Galanian's Orchestra, Dot Jordan and Glenda Boston.  
9:00 p. m.—Yellow Jackets, Pat Lee and Helen McColl.

SATURDAY, MARCH 26

- 12:00 noon—Paris Inn Cafe Orchestra, Bert Roverre, soloist.  
7:00 p. m.—Lloyd Wood's Orchestra and Dick Powers.  
8:00 p. m.—California Melody Kings and Ruth Donigan.  
9:00 p. m.—Dave Ward and his Yellow Jackets; Joie Lee, Bud Riley, Don Stevens and Helen Turnbull.

SUNDAY, MARCH 27

- 8:00 p. m.—Greenwich Village Orchestra and Babette Barker, soloist.  
9:00 p. m.—Yellow Jackets; Virginia King, accompanied by Mable King; Al Ybarra and Joe Hawley.  
Signing off nightly at 11 o'clock.

Program Published as Submitted by the Station.



GEORGE FRENGER  
Announcer

## Pasadena, California — 315.6 Meters

# KPSN

PASADENA STAR-NEWS  
1000 WATTS—950 KILOCYCLES  
GEORGE CECIL COWING, Managing Director  
GEORGE FRENGER, Program Manager  
HERSHEL SATTERFIELD, Engineer-in-Charge  
PERCY C. PRYOR, Studio Office  
Phone, Wakefield 3111

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, MARCH 20, 1927

SUNDAY, MARCH 20

- 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, MARCH 21  
8:00 to 9:15 p. m.—Star-News concert, with Adolf Tandler and the Ensemble.

TUESDAY, MARCH 22

- 8:00 to 9:15 p. m.—Star-News concert, with Adolf Tandler and the Ensemble.  
THURSDAY, MARCH 24  
8:00 to 9:15 p. m.—Star-News concert, with Adolf Tandler and the Ensemble.

FRIDAY, MARCH 25

- 8:00 to 9:15 p. m.—Star-News concert, with Adolf Tandler and the Ensemble.  
SATURDAY, MARCH 26  
8:00 to 9:15 p. m.—Star-News concert, with Adolf Tandler and the Ensemble.

Program Published as Submitted by the Station.

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**JACK DUCKWORTH**  
Announcer

## Inglewood, California—387 Meters

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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, MARCH 20, 1927

SUNDAY, MARCH 20—

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

MONDAY, MARCH 21

6:30 to 7:00 p. m.—Martin Wallace Orchestra, request program.

7:00 to 8:00 p. m.—Lambert Sales Co. program.

8:00 to 9:00 p. m.—City of Inglewood courtesy program.

9:00 to 9:30 p. m.—Geo. M. Sutton courtesy program; KMIC Trio; Louise White, soprano; Nell Larson, piano; Don Minor, tenor.

9:30 to 10:00 p. m.—Studio program.

TUESDAY, MARCH 22

6:30 to 6:45 p. m.—Health Chat, 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, with Helen McColl, blues; Ethyl Smith, uke; Carol Agnew, piano.

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 23

6:30 to 7:30 p. m.—Martin Wallace Tire Co. courtesy program.

8:00 to 10:00 p. m.—L. A. Ry Sting Quartet.

THURSDAY, MARCH 24

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 Co. courtesy program.

8:00 to 10:00 p. m.—Wes. Woodford and his Bachelor Four; Evie and Peggy, harmony numbers; Fred Wesley, blues; Don Minor, tenor; Bill Henry, blues.

FRIDAY, MARCH 25

6:30 to 7:30 p. m.—Studio program.

7:30 to 8:00 p. m.—Skinner Mfg. Co. courtesy program.

8:00 to 10:00 p. m.—Studio program, with Sherman Hunter, tenor; Louise White, soprano; Lempke's Radio Boys and others. 10:00 to 12:00 midnight—American Legion Frolic.

SATURDAY, MARCH 26

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; Evie and Peggy, harmony; Don Minor, tenor; Neva Negis, whistler.



**E. C. Huakabee**  
Announcer

## Los Angeles, Calif.—517 Meters

# KGEF

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TRINITY METHODIST CHURCH  
BOB SHULER, Pastor  
Phone Broadway 1000  
C. C. HOOPER, Manager  
M. J. HANKINS, Technician

WEEK COMMENCING SUNDAY, MARCH 20, 1927

SUNDAY, MARCH 20

10:00 a. m. to 12:30 p. m.—Regular services, Rev. Bob Shuler.

5:00 to 6:00 p. m.—Vesper service, Dr. McCulloch.

7:00 to 8:00 p. m.—Musical program.

8:00 to 9:00 p. m.—Bob Shuler's Prelude Questions and Sermon.

9:00 to 10:00 p. m.—Old Songs Hour.

7:00 to 7:45 p. m.—O. D. Conroy's Bible Class.

7:45 to 8:30 p. m.—The Trinity Ensemble.

8:30 to 9:15 p. m.—Bob Shuler's Question Hour.

9:15 to 10:00 p. m.—The Shaloner Trio.

FRIDAY, MARCH 25

7:00 to 7:30 p. m.—Dr. Briegleb's Radio Bible Class.

7:30 to 8:00 p. m.—The Spanish American Male Quartet and Instrumental Quartet.

8:00 to 8:30 p. m.—Bob Shuler's Civic Talk.

8:30 to 9:30 p. m.—The Roosevelt School Glee Club of Glendale.

9:30 to 10:00 p. m.—Courtesy program of the Fitzgerald Music Company.

TUESDAY, MARCH 22  
10:00 to 10:30 a. m.—Bob Shuler's Family Altar Service.

7:00 to 7:30 p. m.—Dr. G. A. Fry in charge.

7:30 to 8:00 p. m.—Mrs. J. F. Bergherm's S. S. class in charge.

8:00 to 8:30 p. m.—Church Federation program.

8:30 to 9:00 p. m.—J. T. Rumble, Scotch baritone.

9:00 to 9:30 p. m.—Bob Shuler's Doctrinal Talk.

9:30 to 10:00 p. m.—Courtesy program, Fitzgerald Music Company.

WEDNESDAY, MARCH 23

6:00 to 7:00 p. m.—Dorothy Spencer's Children's Hour.

Program Published as Submitted by the Station.

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Tune your radio in to the music, or the lecture, or the play you like. Then—take the EXCEL Electric "Corn Popper" and "in a jiffy" you can have a half gallon, a gallon or more of tender, flakey, delicious popcorn, all done without the usual fuss and bother.

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Announcer

## Santa Monica, California—238 Meters

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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—

8:00 to 9:00 p. m.—Band Concert.

2:30 p. m.—Band Concert.

### WEEK COMMENCING SUNDAY, MARCH 20, 1927

#### SUNDAY, MARCH 20

10:45 to 11:45 a. m.—Pilgrim Lutheran Church services.

6:15 to 7:00 p. m.—Pilgrim Lutheran Church services.

7:00 to 8:00 p. m.—Club Casa Del Mar, organ concert by Julius K. Johnson.

9:00 to 10:00 p. m.—Club Casa Del Mar, Julius K. Johnson, organist, and Club Casa Del Mar Orchestra.

10:00 to 11:00 p. m.—La Monica Ballroom Orchestra.

#### MONDAY, MARCH 21

2:00 to 2:30 p. m.—Shopping Tour conducted by Margaret Macdonald Shontz.

4:00 to 4:45 p. m.—Smiling Circle with Brother Tom.

8:00 to 10:00 p. m.—Main studio program, featuring the Black and Tan Orchestra, Al Flannigan, tenor.

#### TUESDAY, MARCH 22

1:30 to 2:30 p. m.—Ort Mace and his Rendezvous Ballroom Orchestra.

4:00 to 4:45 p. m.—Smiling Circle with Brother Tom.

9:00 to 10:00 p. m.—Main studio program, featuring the California Dons Orchestra, Marjorie Bechtel, soprano, and Albert Broad, tenor, accompanied by Irma Reed.

#### WEDNESDAY, MARCH 23

2:00 to 2:30 p. m.—Shopping Tour conducted by Margaret Macdonald Shontz.

4:00 to 4:45 p. m.—Smiling Circle with Brother Tom.

9:00 to 9:30 p. m.—Club Casa Del Mar.

9:30 to 10:00 p. m.—Broadcasting of the Fights, from Ocean Park Arena, through the courtesy of the Ocean Park Athletic Club.

#### THURSDAY, MARCH 24

4:00 to 4:45 p. m.—Smiling Circle with Brother Tom.

9:00 to 10:00 p. m.—Main studio program, featuring John David Beall and his assisting artists.

#### FRIDAY, MARCH 25

2:00 to 2:30 p. m.—Shopping Tour, conducted by Margaret Macdonald Shontz.

4:00 to 4:45 p. m.—Smiling Circle with Brother Tom.

9:00 to 10:00 p. m.—Main studio program, featuring Los Angeles Railway Orchestra.

#### SATURDAY, MARCH 26

4:00 to 4:45 p. m.—Smiling Circle with Brother Tom.

9:00 to 10:00 p. m.—Main studio program, featuring Virginia Depp and Betty Daud, novelty singers; Kathleen Williamson, Blues singer, accompanied by Eleanor Swall and fourteen strings of harmony, by Eddie Mills.

12:00 to 1:00 a. m.—La Monica Ballroom Orchestra.

*Program Published as Submitted by the Station.*

Tune In KMTR, March 21st, 9:00 to 10:00 P. M., for  
Radio Doings Prize Program

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Announcer

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Venice, Cal. Phone 65959  
BOB BEDDOME, Manager

### DAILY EXCEPT SUNDAY—

9:00 to 11:00 a. m.—Music and shopping news.  
11:00 to 11:30 a. m.—Mary Elizabeth Garden.  
5:30 to 7:00 p. m.—Music and shopping guide.  
10:00 to 12:00 p. m.—Cush Branch and orchestra Venice ballroom.

### WEEK COMMENCING SUNDAY, MARCH 20, 1927

#### SUNDAY, MARCH 20

6:00 p. m.—Cush Branch and Orchestra from Venice Ballroom.

#### MONDAY, MARCH 21

8:00 to 9:00 p. m.—Hal Denny and De Luxe Orchestra; Bud Russel and Uke.  
9:00 to 10:00 p. m.—Clyde Pearson, soprano; Fred Wesley, Al Conklin, piano; Theo. Schaeffer, tenor.  
12:00 midnight to 2:00 a. m.—Midnight Frolic from Tommy Jacob's Ship Cafe.

#### TUESDAY, MARCH 22

8:00 to 9:00 p. m.—Ansley Graham, tenor; Lallah Fulton, concert pianist; Dale Fulton, violinist.  
9:00 to 10:00 p. m.—Roy Davis, whistler; Geraldine Barnett, soprano; Billy McCabe, tenor; Eugene Raymond, baritone.

#### WEDNESDAY, MARCH 23

12:30 p. m.—Lions Club of Venice.  
4:00 to 5:00 p. m.—Children's Hour, con-

ducted by Ursula March Largey.

8:00 to 9:00 p. m.—Studio program.  
9:00 to 10:00 p. m.—Lyman Weed, baritone; Nina Frey, soprano; Harry Von Zell, baritone; Geo. Thiroux.

#### THURSDAY, MARCH 24

7:30 to 8:30 p. m.—Basketball.  
8:30 to 9:00 p. m.—Bob Davies, Welch baritone; Sally J. Shull, pianist.  
9:00 to 10:00 p. m.—Ensemble Conservatory of Music.

#### FRIDAY, MARCH 25

4:00 to 5:00 p. m.—Children's Hour.  
8:00 to 9:00 p. m.—Marbelite Corp. of America courtesy program.  
9:00 to 10:00 p. m.—L. A. Railway Hawaiian Quartet and vocal soloists.

#### SATURDAY, MARCH 26

1:00 to 2:00 p. m.—Harry Judson, Addie Carlson, Walter Lyon, Al Conklin and others.

*Program Published as Submitted by the Station.*

**Tune In KMTR, March 21st, 9:00 to 10:00 P. M., for**

**Radio Doings Prize Program**



**Major Lawrence Mott**  
Announcer

## Avalon, California—211.1 Meters

# KFWO

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"The Isle With a Smile"

### WINTER SCHEDULES AT KFWO

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

5:30 to 6:00 p. m.—Miss Hewitt's Golden Hour.  
6:00 to 8:00 p. m.—Studio.

#### WEDNESDAYS

8:00 to 9:00 p. m.—Studio Program.  
9:00 to 12:00 Midnight—Oversens.

#### THURSDAYS

8:00 to 9:00 p. m.—Studio Program.

#### FRIDAYS

5:00 to 6:00 p. m.—Miss Hewitt's Golden Hour.

6:00 to 6:30 p. m.—Wrigley Chimes.

#### SATURDAYS

3:00 to 4:30 p. m.—Rebroadcast of KNX.  
9:15 to 10:00 p. m.—Studio.

#### SUNDAYS

5:00 to 6:00 p. m.—Miss Hewitt's Golden Hour.

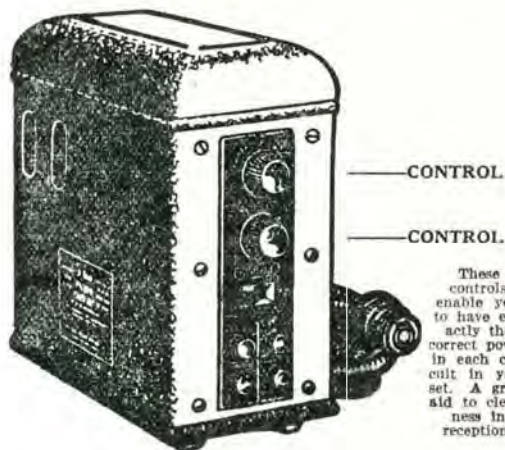
6:00 to 6:30 p. m.—Wrigley Chimes.

8:00 to 9:15 p. m.—Lobby Concert.

*Victor Electrola used during all programs.*

*Program Published as Submitted by the Station.*

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### 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.
- 11:30 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.
- 6:00 to 6:15 p. m.—Request Program by Clarence and Doris.

### DAILY EXCEPT MONDAY—

- 2:30 to 4:00 p. m.—Municipal Band Concert
- 6:15 to 7:00 p. m.—KFON Concert Orchestra.

### DAILY EXCEPT SUNDAY AND MONDAY—

- 7:30 to 9:00 p. m.—Municipal Band and studio programs.
- 9:30 to 10:15 a. m.—Pacific Coast Club organ, Herbert Nixon at the console.

### WEEK COMMENCING SUNDAY, MARCH 20, 1927

- 1:00 to 1:30 p. m.—Birkel Music Co. program.
- 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.
- 6:00 to 6:15 p. m.—Request Period, Clarence and Doris.
- 7:00 to 7:45 p. m.—Fountain Club Cafe Orchestra.
- 7:45 to 9:00 p. m.—Services from First Church of Christ, Scientist.
- 9:00 to 12:00 p. m.—"Everybody's Night"—amateurs and professionals.
- 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.—Wilshire Ionaco Company program, featuring Clarence and Doris.
- 1:30 to 2:30 p. m.—San Pedro Merchants musical program.
- 7:00 to 8:00 p. m.—Thrifty Sandy program, sponsored by Citizens State Bank.
- 8:00 to 8:15 p. m.—Lure of the Sky, by Dr. Lewis Thomas.
- 8:15 to 8:30 p. m.—Physiology of Beauty, by Georgia O. George.
- 8:30 to 9:00 p. m.—"The Haymakers," featuring old-time dance music.
- 9:00 to 12:00 p. m.—"Kiwanis Frolic."

### MONDAY, MARCH 21

- 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.—Wilshire Ionaco Company program, featuring Clarence and Doris.
- 1:30 to 2:30 p. m.—San Pedro Merchants musical program.
- 7:00 to 8:00 p. m.—Thrifty Sandy program, sponsored by Citizens State Bank.
- 8:00 to 8:15 p. m.—Lure of the Sky, by Dr. Lewis Thomas.
- 8:15 to 8:30 p. m.—Physiology of Beauty, by Georgia O. George.
- 8:30 to 9:00 p. m.—"The Haymakers," featuring old-time dance music.
- 9:00 to 12:00 p. m.—"Kiwanis Frolic."

### TUESDAY, MARCH 22

- 12:00 to 12:30 p. m.—Kay & Burbank Company musical program.
- 1:00 to 1:30 p. m.—Kiwanis Club luncheon.
- 1:30 to 2:30 p. m.—Woman's Music Study Club.
- 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.—Piggly Wiggly Girls.
- 10:00 to 11:00 p. m.—San Pedro Merchants musical program.
- 11:00 to 12:00 p. m.—Majestic Ballroom Orchestra.

### WEDNESDAY, MARCH 23

- 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.—Wilshire Ionaco Com-

- pany program, featuring Clarence and Doris.
- 2:00 to 2:30 p. m.—Dept. of Numerology.
- 7:00 to 7:30 p. m.—Texas Cowboys in old-time dance music.
- 9:00 to 10:00 p. m.—Pacific Coast Club Orchestra.
- 10:00 to 11:00 p. m.—San Pedro Merchants musical program.
- 11:00 to 12:00 p. m.—Pacific Coast Club Orchestra.

### THURSDAY, MARCH 24

- 12:00 to 12:30 p. m.—Kay & Burbank Company musical program.
- 2:00 to 2:30 p. m.—Health and Efficiency, Dr. Elmer S. Clark.
- 7:00 to 8:00 p. m.—Studio program.
- 9:00 to 10:00 p. m.—Shell Oil Co.'s Orchestra.
- 10:00 to 11:00 p. m.—San Pedro Merchants musical program.
- 11:00 to 12:00 p. m.—Majestic Ballroom Orchestra.

### FRIDAY, MARCH 25

- 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.—Wilshire Ionaco Company, featuring Clarence and Doris.
- 2:00 to 2:30 p. m.—Dept. of Numerology.
- 7:00 to 7:30 p. m.—Church of Christ, by Rev. Earnest Beam.
- 7:30 to 7:45 p. m.—"A Selina 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 Mfg. Co. and Misaman Radio Co. program.
- 10:00 to 11:00 p. m.—San Pedro Merchants musical program.
- 11:00 p. m. to 1:00 a. m.—Elks' Frolic, Lodge No. 888.

### SATURDAY, MARCH 26

- 12:00 to 12:30 p. m.—Kay & Burbank Company musical program.
- 1:30 to 2:30 p. m.—Fountain Club Cafe Orchestra.
- 7:00 to 8:00 p. m.—Pacific Coast Club Orchestra.
- 9:00 to 10:00 p. m.—The Minstrel Show.
- 10:00 to 11:00 p. m.—San Pedro Merchants musical program.
- 11:00 to 12:00 p. m.—Pacific Coast Club Orchestra.

Program Published as Submitted by the Station.

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U. S. Grant Hotel, 326 Broadway, San Diego, Main 8661  
RAYMUND V. MORRIS, President  
TOM SEXTON, Announcer

"Kiss From San Diego"

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 Orches

WEEK COMMENCING SUNDAY, MARCH 20, 1927

**SUNDAY, MARCH 20—**

3:00 to 4:00 p. m.—Temple service of the Theosophical University.

**MONDAY, MARCH 21**

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 22**

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 23**

7:00 to 7:30 p. m.—Courtesy program by  
Wilshire's Ionaco Company.

7:30 to 8:30 p. m.—Concert program fur-  
nished 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 24**

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 25**

7:00 to 8:00 p. m.—Studio hour.

8:00 to 9:00 p. m.—P. M. Dairy Concert Or-  
chestra. Instrumental Trio.

9:00 to 10:00 p. m.—Mixed musical program.

**SATURDAY, MARCH 26**

7:00 to 8:00 p. m.—San Diego Senior High  
School program.

8:00 to 9:00 p. m.—Mme. de Beauviere,  
"Franco-American hour.

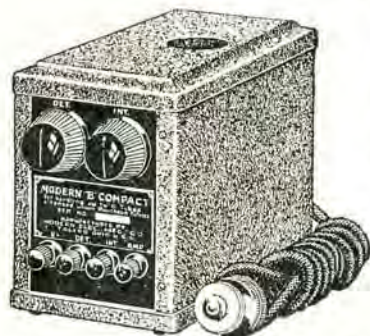
9:00 to 10:00 p. m.—"Classic" hour Ortho-  
phonic recital.

Program Published as Submitted by the Station.

Tune In KMTR, March 21st, 9:00 to 10:00 P. M., for  
Radio Doings Prize Program

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Announcer

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ALBERT J. HODGES, Technical Director  
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"The Voice of San Francisco"

### DAILY EXCEPT SUNDAY—

- 6:45, 7:15 and 7:45 a.m.—Daily health drill by Hugh Barrett Dobbs.
- 10:30 a.m.—"Ye Towne Crier."
- 10:45 a.m.—Cooking Hints.
- 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 6:30 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.
- 10:00 to 11:00 p.m.—Dance Program.

### WEEK COMMENCING SUNDAY, MARCH 20, 1927

#### SUNDAY, MARCH 20

- 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.
- 2:40 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 6:30 p.m.—States Restaurant Orchestra, Waldemar Lin, 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 Trionan Ballroom.

#### MONDAY, MARCH 21

- 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. 22.
- 9:00 to 10:00 p.m.—Studio program by Neapolitan Quartette.
- 11:00 to 12:00 p.m.—KPO's Variety Hour, presenting the KPO well known artists.

#### TUESDAY, MARCH 22

- 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.

#### WEDNESDAY, MARCH 23

- 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 Cabirlans.

#### THURSDAY, MARCH 24

- 8:00 to 9:00 p.m.—Studio program.
- 9:00 to 10:00 p.m.—Chickering Hour.

#### FRIDAY, MARCH 25

- 8:00 to 9:00 p.m.—Empress of Scotland Orchestra.
- 9:00 to 10:00 p.m.—Walter Krausgrill's Orchestra.

#### SATURDAY, MARCH 26

- 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 10:45 p.m.—Los Angeles Philharmonic Orchestra, through KPO and KFI.
- 10:45 p.m. to 1:00 a.m.—Walter Krausgrill's Balconades Ballroom Orchestra.

Program Published as Submitted by the Station.

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Los Angeles, Calif.



Howard I. Milholland  
Announcer

## Oakland, California—361.2 Meters

# KGO

4000 WATTS—830 KILOCYCLES  
PACIFIC COAST STATION, GENERAL ELECTRIC CO.  
Phone Fruitvale 5980

### DAILY EXCEPT SUNDAY—

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

### WEEK COMMENCING SUNDAY, MARCH 20, 1927

- SUNDAY, MARCH 20**  
11:00 a. m.—Calvary Presbyterian Church Service, San Francisco; Rev. Ezra Allen Can Nuys, pastor. Earl Towner, organist.  
2:40 p. m.—San Francisco Symphony Orchestra concert, direction of Alfred Hertz.  
4:00 p. m.—Vesper service, Grace Cathedral, San Francisco.  
6:30 to 7:30 p. m.—Concert by Bem's Little Symphony Orchestra.  
7:30 p. m.—Weather Bureau report.  
7:35 p. m.—Calvary Presbyterian Church service, San Francisco; Rev. Ezra Allen Van Nuys, pastor, Earl Towner, organist.  
9:00 to 10:00 p. m.—Concert by Bem's Little Symphony Orchestra.  
4:00 to 5:00 p. m.—California Federation of Women's Clubs.  
5:30 to 6:00 p. m.—Aunt Betty (Ruth Thompson) stories; KGO Kiddies' Klub.
- TUESDAY, MARCH 22**  
5:00 p. m.—"Mental Measurements" lectures by Dr. Virgil E. Dickson.  
8:00 to 9:00 p. m.—The Pilgrims. Eveready program by National Cabon Company.  
9:00 p. m.—Joseph Henry Jackson: "Chats About New Books."  
9:20 p. m.—Surprise broadcast.
- WEDNESDAY, MARCH 23**  
5:30 p. m.—"The Caliph."  
8:20 p. m.—An interview with the Agricultural Economist.  
8:30 p. m.—W. O. W. Male Trio.  
8:40 p. m.—Address, "Plant Dietetics," T. M. Pierce, Chief Inspector, Division of
- Chemistry, State Department of Agriculture.  
9:00 p. m.—University of California Charter Day banquet program, Hotel Oakland, Oakland, California.
- THURSDAY, MARCH 24**  
5:00 to 6:00 p. m.—George W. Ludlow, "Friend to Boys."  
8:00 p. m.—Concert by KGO Little Symphony Orchestra, Carl Rhodehamel conducting.  
9:00 p. m. to 12:00 midnight—John Philpott's Midshipmen.
- FRIDAY, MARCH 25**  
11:10 a. m.—Prudence Penny, Homemaking talk.  
5:30 p. m.—Day-Ray-O, children storyteller from Land-O-Health.  
8:00 p. m.—Concert by Michel Penha, 'cello soloist of the San Francisco Symphony Orchestra; assisted by Emily Lancel, concert soprano, and Margo Hughes, pianist and accompanist.
- SATURDAY, MARCH 26**  
8:00 p. m.—"Weekly Sport Review" by Al Santoro.  
8:15 to 9:15 p. m.—From Hotel Leamington, Oakland, Memorial concert, marking the 100th anniversary of Beethoven's death, given by the Sunset Club, fifty mixed voices, Walter Horace Bunday, director, assisted by Jeannette Ginter, violinist, and a string ensemble.  
9:15 p. m. to 1:00 a. m.—Dance music, Wilt Gunzendorfer's Hotel Whitcomb Band.

*Program Published as Submitted by the Station.*

Tune In KMTR, March 21st, 9:00 to 10:00 P. M., for  
Radio Doings Prize Program

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### DAILY EXCEPT SATURDAY AND SUNDAY—

10:00 to 11:00 a. m.—Sherman Clay & Co. concert

11:00 a. m. to 12:00 noon—Household Hints.

### DAILY EXCEPT SUNDAY—

12:00 to 2:00 p. m.—Eddie Harkness' Concert Orchestra.

4:00 to 5:30 p. m.—Mark Hopkins Orchestra.

5:30 to 6:30 p. m.—"Mac" and his Gang.

6:30 p. m.—Stage and Screen.

### WEEK COMMENCING SUNDAY, MARCH 20, 1927

#### SUNDAY, MARCH 20

5:00 to 6:00 p. m.—"Twilight Recital," with Dorothy Pasmore, cellist; Florence McEachren, soprano; Frank Moss, pianist.

6:30 p. m.—Stage and Screen.

8:30 to 8:30 p. m.—Mark Hopkins Concert Orchestra, Vinton La Ferriere, conductor.

#### MONDAY, MARCH 21

6:30 to 7:00 p. m.—Yale Radio Battery Trio dinner program.

7:00 to 7:30 p. m.—KFRC Hawaiians.

8:00 to 9:00 p. m.—Blue Monday Jamboree, with Mac and his Haywire Orchestra.

A. J. Kane's detective story, and others.

9:00 to 10:00 p. m.—Goodrich Silvertown Orchestra, Reg. Code directing.

10:00 to 12:00 p. m.—Eddie Harkness' Mark Hopkins Dance Orchestra; Ronald Johnson, tenor, and Marjorie Primley, pianist, during intermissions.

#### TUESDAY, MARCH 22

6:30 to 7:00 p. m.—Yale Radio Battery Trio dinner program.

7:00 to 7:30 p. m.—Russell Colvin Trio, courtesy Russell Colvin Co.

8:00 to 8:30 p. m.—Weekly meeting KFRC Radio Movie Club.

8:30 to 9:30 p. m.—Washington's Birthday special program.

9:30 to 12:00 p. m.—Eddie Harkness' Mark Hopkins Orchestra; William Hart, tenor.

#### WEDNESDAY, MARCH 23

6:30 to 7:00 p. m.—Yale Radio Battery Trio dinner concert.

7:00 to 7:30 p. m.—"Puss" Donahoo's Orchestra.

8:00 to 9:00 p. m.—KFRC Little Symphony Orchestra; Grace Le Page, soprano soloist.

8:00 to 9:00 p. m.—Musical Educational Talk by John G. Vogel of Educational Dept. of Sherman, Clay & Co.

9:30 to 10:00 p. m.—Studio program.

10:00 to 12:00 p. m.—Eddie Harkness' Mark Hopkins Dance Orchestra. Juliette Dunn and Glenn Hall Taylor during intermissions.

#### THURSDAY, MARCH 24

6:30 to 7:00 p. m.—Yale Radio Battery Trio dinner concert.

7:00 to 7:30 p. m.—Western Motors courtesy program.

8:00 to 9:00 p. m.—Mona Motor program, with Mona Melody Maids; Mae Thompson, soprano, and others.

9:00 to 10:00 p. m.—Organ recital, with Theodore Strong at the console of the Aeolian pipe organ.

10:00 to 12:00 p. m.—Eddie Harkness' Mark Hopkins Dance Orchestra; Ronald Johnson, tenor, and Marjorie Primley, pianist.

#### FRIDAY, MARCH 25

6:30 to 7:00 p. m.—Yale Radio Battery Trio dinner program.

7:00 to 7:30 p. m.—Studio program.

8:00 to 10:00 p. m.—Gilfillan Bros., manufacturers of Gilfillan Neutrodynes, present KFRC Little Symphony Orchestra; Grace Le Page, soprano; Georges Simondet, tenor, and George Ainsa, basso.

10:00 to 12:00 p. m.—Eddie Harkness' Mark Hopkins Dance Orchestra.

#### SATURDAY, MARCH 26

6:30 to 7:00 p. m.—Yale Radio Battery Trio dinner program.

7:00 to 7:30 p. m.—Studio program.

8:00 p. m. to 1:00 a. m.—Eddie Harkness' Mark Hopkins Dance Orchestra. 8:00 to 9:00 p. m., intermissions by Joe Benson, pianist; 9:00 to 10:00 p. m., intermissions by Juliette Dunn, soprano; 10:00 to 12:00 p. m., intermissions by Lou Emmel, baritone.

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DAILY EXCEPT SUNDAY—

12:30 to 2:00 p. m.—Clift Hotel Concert Trio.

6:30 to 7:30 p. m.—Clift Hotel Concert Trio.

10:00 to 11:00 p. m.—Clift Hotel Dance Orchestra.

MONDAY, WEDNESDAY, FRIDAY—

8:00 to 10:00 p. m.—Studio program

WEEK COMMENCING SUNDAY, MARCH 20, 1927

SUNDAY, MARCH 20

11:00 a. m.—Services from Central Methodist Episcopal Church.

12:30 p. m.—Services from Old St. Mary's Church, conducted by the Paulist Fathers.

7:30 p. m.—Services from the Central Methodist Episcopal Church.

MONDAY, MARCH 21

7:00 to 7:15 p. m.—Mr. Pep's "Pep Meeting" for Salespeople.

7:15 to 7:30 p. m.—Sollie Heilbronner's Clift Hotel Concert Trio.

8:00 to 10:00 p. m.—KYA Popular Night in the Studio.

TUESDAY, MARCH 22

9:30 to 10:00 a. m.—KYA Shopping Service conducted by Elsie Connitt.

10:30 to 10:45 a. m.—Diet and Health Talk by Dr. Buren L. Corley.

8:00 to 10:00 p. m.—Studio program.

WEDNESDAY, MARCH 23

8:00 to 9:00 p. m.—Lenten Services broadcast from Old St. Mary's Church.

9:00 to 10:00 p. m.—Program by members of San Francisco Opera Company.

*Program Published as Submitted by the Station.*

THURSDAY, MARCH 24

7:00 to 7:15 p. m.—Mr. Pep's "Pep Meeting" for Salespeople.

7:15 to 7:30 p. m.—Sollie Heilbronner's Clift Hotel Concert Trio.

8:00 to 9:00 p. m.—Regular Weekly Meeting of the "26th Squad."

9:00 to 10:00 p. m.—Studio program.

FRIDAY, MARCH 25

9:30 to 10:30 a. m.—KYA Shopping Service conducted by Elsie Connitt.

10:30 to 10:45 a. m.—Diet and Health Talk by Dr. Buren L. Corley.

8:00 to 9:00 p. m.—Beethoven Memorial Concert given by the Sunset Club, Oakland.

9:00 to 10:00 p. m.—Studio program with Benny Lipston, lyric tenor; Bill Poole, pianist, and Lina Seosulich, soprano.

SATURDAY, MARCH 26

4:00 to 5:30 p. m.—Herb Meyerinck's Clift Hotel Dance Orchestra.

8:00 to midnight—Herb Meyerinck's Clift Hotel Dance Orchestra, with intermission solos offered by KYA artists.

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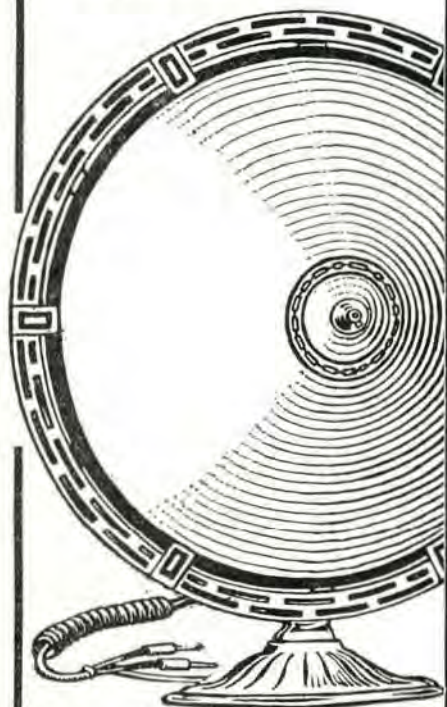
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DAILY EXCEPT SATURDAY AND SUNDAY—

6:00 to 7:00 p. m.—Dinner Hour Program.

7:00 to 8:00 p. m.—Sports, Police and Weather Reports.

WEEK COMMENCING SUNDAY, MARCH 20, 1927

SUNDAY, MARCH 20

1:00 to 2:00 p. m.—Wm. Bennett Recital.  
7:50 to 9:00 p. m.—Christian Science Church service.

MONDAY, MARCH 21

8:00 to 8:20 p. m.—Recital by Miss Fox.  
8:20 to 8:40 p. m.—Instrumental recital by Cowell Dien (piano and banjo).  
8:40 to 9:00 p. m.—Aileen Coombs, contralto; Lucille Burton, pianist.  
9:00 to 11:00 p. m.—Paul Kelli's Orchestra playing at the Il Trovatore Restaurant.

TUESDAY, MARCH 22

8:00 to 8:40 p. m.—Novelty program.  
8:30 p. m.—Jos. Detweiler and Glenn Kennedy.  
9:00 to 10:00 p. m.—Who's Who and Why Club.

WEDNESDAY, MARCH 23

8:00 to 8:20 p. m.—Recital by Stanley Painter, baritone, and Clem Kennedy, pianist.  
8:20 to 8:30 p. m.—Becker Storage program.  
10:00 to 12:00 midnight—Paul Kelli's Tro-

vatore Orchestra playing at Il Trovatore Restaurant.

THURSDAY, MARCH 24

8:00 to 8:30 p. m.—Recital by Henry Haman, tenor, accompanied by Esther Haman.  
8:30 to 9:00 p. m.—Instrumental recital by James Dillon, saxophone, and Alice Wise, banjo, accompanied by Clem Kennedy, pianist.  
9:00 to 10:00 p. m.—Maxwell House Coffee Orchestra.

10:00 to 12:00 p. m.—Paul Kelli's Trovatore Orchestra playing at Il Trovatore Restaurant.

FRIDAY, MARCH 25

8:00 to 8:30 p. m.—Gaylord Wilshire Ionaco Lecture.  
8:30 to 9:00 p. m.—Panatropo Concert.

SATURDAY, MARCH 26

9:00 to 12:00 p. m.—Paul Kelli's Il Trovatore Orchestra playing at the Il Trovatore Restaurant.



Chas. E. Gabrielle, Jr.  
Announcer

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DAILY EXCEPT SUNDAY—

7:00 to 7:30 p. m.—News broadcast.

WEEK COMMENCING SUNDAY, MARCH 20, 1927

SUNDAY, MARCH 20

10:30 a. m.—Martha Lee.  
8:00 to 9:00 p. m.—Special program.  
9:00 to 10:30 p. m.—Weekly meeting of Lake Merritt Ducks.

WEDNESDAY, MARCH 23

10:30 a. m.—Martha Lee.  
6:30 to 7:00 p. m.—Athens Athletic Club dinner concert.

8:00 to 9:00 p. m.—Educational program.  
9:00 to 10:00 p. m.—Special program.

FRIDAY, MARCH 25

10:30 a. m.—Martha Lee.  
8:00 to 9:45 p. m.—Wesetrn Auto Supply program.  
9:45 to 10:30 p. m.—Athens Athletic Club Orchestra.

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ARTHUR W. LINDSAY, Program Director and  
Announcer  
MAX WELLS, Asst. Announcer

### DAILY EXCEPT SUNDAY—

12:00 to 12:15 p. m.—Local Produce News.

12:15 to 12:30—Farm News.

2:00 to 2:30 p. m.—Homemakers' and Shoppers' Bureau

### WEEK COMMENCING MONDAY, MARCH 21, 1927

#### MONDAY, MARCH 21

- 6:00 to 7:00 p. m.—Radio Studios Trio.  
7:00 to 7:30 p. m.—Harold Weeks in Popular Song Program.  
7:30 to 8:00 p. m.—Cruise of the Sound Ferry Line Buccaneers.  
8:00 to 8:30 p. m.—Industrial news by Manufacturers Association of Washington.  
8:30 to 9:00 p. m.—KFOA Radio Movie Club.  
9:30 to 11:00 p. m.—Bonnie Brae Dance Orchestra, remote control.

#### TUESDAY, MARCH 22

- 12:30 to 1:30 p. m.—Kiwanis Club Luncheon program from the Olympic Hotel.  
7:30 to 8:00 p. m.—Pitchford Sisters.  
8:00 to 8:30 p. m.—KFOA Radio Bridge Game.  
8:30 to 9:30 p. m.—Cheasty's Inc. presenting Cheasty's Male Quartet.

#### WEDNESDAY, MARCH 23

- 12:30 to 1:30 p. m.—Rotary Club Luncheon program from the Olympic Hotel.  
7:00 to 8:00 p. m.—Hugh Baird's Ford-O-Crat Entertainers.  
9:00 to 10:00 p. m.—Maxwell House Coffee Orchestra and soloists presented by Cheek-Neal Coffee Co. from KGW, Portland.

#### THURSDAY, MARCH 24

- 12:30 to 1:30 p. m.—Shrine Club Luncheon program from the Chamber of Commerce Bldg.  
6:30 to 7:30 p. m.—E. R. Butterworth & Sons Orchestra.

- 7:30 to 8:00 p. m.—Sunde & d'Evers, Tent-makers.  
8:00 to 8:30 p. m.—Doc Proells "Cross-Eyed Family."  
8:30 to 9:30 p. m.—Cheasty's Inc. Trio De Luxe.  
10:30 to 12:00 midnight—Bonnie Brae Dance Orchestra.

#### FRIDAY, MARCH 25

- 12:30 to 1:30 p. m.—Members Council Luncheon program from Chamber of Commerce Bldg.  
6:45 to 7:00 p. m.—Automobile Club of Washington.  
7:00 to 8:00 p. m.—Sherman Clay & Company studio program.  
8:00 to 9:00 p. m.—The Mission Bell Concert Orchestra presented by the Los Angeles Soap Co. from KGW, Portland.  
9:00 to 10:30 p. m.—Burke & Farrar's Kirkland Serenaders.  
10:30 to 12:00 p. m.—Weekly Frolic of the "Keep Growing Wiser Order of Hoot Owls," broadcast from KGW, Portland.

#### SATURDAY, MARCH 26

- 7:00 to 7:30 p. m.—Children's program on the Big Blue Mona Motor Bus to KGW and KHQ.  
8:30 to 9:30 p. m.—Cheasty's Inc. Dance Orchestra.

#### SUNDAY, MARCH 27

- 2:00 to 3:00 p. m.—"Reo Flying Cloud Concert Orchestra" presented by the Lamp-ing Motor Co.

*Program Published as Submitted by the Station.*

Tune In KMTR, March 21st, 9:00 to 10:00 P. M., for  
Radio Doings Prize Program

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Announcer

## Portland, Oregon—491.5 Meters

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"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, MARCH 20, 1927

#### SUNDAY, MARCH 20

- 10:55 a. m. to 12:30 p. m.—Morning service from the First Presbyterian Church.  
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, MARCH 21

- 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 23

- 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.

*Program Published as Submitted by the Station.*

#### THURSDAY, MARCH 24

- 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 25

- 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 26

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

# KEX

## Portland, Oregon—447 Meters

4000 WATTS

THE WESTERN BROADCASTING COMPANY, PORTLAND

### WEEK COMMENCING SUNDAY, MARCH 20, 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.

*Program Published as Submitted by the Station*

#### TUESDAY, THURSDAY, SATURDAY

- 9:00 to 10:30 p. m.—Studio program.  
10:30 to 12:00 p. m.—Dance Music, direct wire from Kremer's 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.  
9:00 to 10:30 p. m.—Studio program.  
10:20 to 12:00 p. m.—KEX Frolic.

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Pacific Standard Time

"Rocky Mountain Broadcasting Station"

DAILY EXCEPT SATURDAY AND SUNDAY—

10:45 a. m.—Weather, Stock and Produce Reports

5:00 p. m.—Stock and Market Reports.

5:30 p. m.—Musical Program.

DAILY EXCEPT SUNDAY—

11:15 a. m.—Organ recital.

WEEK COMMENCING SUNDAY, MARCH 20, 1927

### SUNDAY, MARCH 20

- 10:00 a. m.—Service of First Congregational Church, Denver. Sermon, "If God is Good Why is There Evil in the World?" Rev. Robert Hopkins, pastor. Music presented by Mrs. Bernice W. Doughty, soprano and director.
- 4:30 p. m.—Organ recital from First Congregational Church. Royce H. Mintener, organist.
- 5:30 p. m.—Dinner concert, Brown Palace Orchestra.
- 6:45 p. m.—Service from First Congregational Church, Denver. Sermon, "The Hunger of the Common Heart," Rev. Robert Hopkins, pastor.

### MONDAY, MARCH 21

- 6:30 p. m.—Children's hour, Denver Public Schools.
- 7:00 p. m.—Instrumental program by Scheuerman's Colorado Orchestra.
- 7:15 p. m.—Studio program, "A Nautical Knot," a comic opera, presented by the Mountain States Telephone and Telegraph Company.

### TUESDAY, MARCH 22

- 2:15 p. m.—Talk, "Art in Every Day Life," given by Ella R. Milligan.
- 2:30 p. m.—Housewives' matinee.
- 3:30 p. m.—Question Box.
- 3:45 p. m.—Fashion review.
- 6:30 p. m.—Farm Question Box.
- 8:00 p. m.—Radio instruction in auction bridge, conducted by studio players.

### WEDNESDAY, MARCH 23

- 6:30 p. m.—Wynken, Blynken and Nod time.
- 7:00 p. m.—Instrumental program by Scheuerman's Colorado Orchestra.
- 7:15 p. m.—Studio program, presented by the University of Denver.
- THURSDAY, MARCH 24
- 2:15 p. m.—Talk, "Architecture," given by Ella R. Milligan.
- 2:30 p. m.—Housewives' matinee.
- 3:30 p. m.—Culinary hints.
- 3:45 p. m.—Fashion review.
- 4:00 p. m.—Stocks, markets, live stock, produce and news bulletins. Silent night.

### FRIDAY, MARCH 25

- 12:00 noon—Organ recital, Aladdin Theater, Denver; Viola K. Lee, organist.
- 2:15 p. m.—Talk, "Use of Art in Churches," given by Ella R. Milligan.
- 2:30 p. m.—Housewives' matinee.
- 3:30 p. m.—Question Box.
- 3:45 p. m.—Fashion review.
- 6:00 p. m.—"Aggie Kickoffs."
- 6:30 p. m.—Preview of International Sunday School lesson.
- 7:00 p. m.—Instrumental program, KOA Orchestra.
- 7:15 p. m.—Orchestra program, presented by the Colorado Underwriters' Association.
- 8:00 p. m.—KOA Minstrel show, by KOA Minstrel players, Freeman H. Talbot, director.

### SATURDAY, MARCH 26

- 9:15 p. m.—Dance program, Scheuerman's Colorado Orchestra.

Program Published as Submitted by the Station.

# SILVER THE KING

24 Kt Gold  
Pure Silver  
Soft  
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Gold over Silver on Copper

DX Reception Amured—30% More Volume—Clearer Tone—20% Sharper Tuning—Permanently Efficient.

No. 14 Gauge, 100 ft. \$3.00—75 ft. \$2.50—50 ft. \$1.75.  
Soft Round Bus, 10c, 2 ft. length. Flexible Bus and Loop, 5c ft.  
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Radio News, Radio Broadcast, Popular Radio.

**GOSILCO RADIO PRODUCTS CO.**

Patent Applied for 320 Marbrisa Ave., Huntington Park, Calif.  
SATISFACTION GUARANTEED

## Photographed at Last

All of us who have been listening in for any length of time are familiar with the voice of "Hastings," but very few have ever met him. During the time he was announcing for the Evening



"HASTINGS"

Herald we had many requests to publish his picture but he always refused. We are now glad to let all see what the Greek God looks like. Incidentally, Hastings is at present disengaged, and would like to associate with a radio station as announcer or manager. He can be reached by addressing him in care of Radio Doings.

## SOME OPINIONS

M. C. Rypinski, National Electrical Manufacturers' Association: "Enactment of a law for guiding radio broadcasting is the best news which could come to the industry at this time."

Orrin E. Dunlap, Jr., writer and former wireless operator: "The radio com-

## Ungar & Watson Now Distribute Preston's "DX" Ground

C. H. Preston, of Chatsworth, Calif., inventor of the "DX" Ground that has caused such a furore among radio enthusiasts throughout the Pacific Coast region and other parts of the country reached by Radio Doings, in which accounts of it were published, has signed a long-term contract with Ungar & Watson, Inc., 1366 South Figueroa Street, under the terms of which he will manufacture the ground and they will handle the distribution for the entire country.

Patent applications have been filed to protect the formula used in the manufacture of the "DX" Radio Ground and the new appliance is now being manufactured in quantities at a factory recently equipped for that purpose.

Every place the "DX" Radio Ground has been demonstrated it has met with the enthusiastic endorsement of radio owners, according to Preston and officials of Ungar & Watson, Inc. Hundreds of letters have been written to Preston and to K. G. Ormiston, Technical Editor of Radio Doings, asking for directions as to how the "DX" Radio Ground can be made. The process being secret, this information is not being divulged, but results obtained from the use of the accessory indicate that purchasers of the new ground connection have something to look forward to.

mission may be cartooned as Old Mother Witch riding through space on a broomstick sweeping the cobwebs from the sky with the new radio law as a broom."

**FOXES ALASKAN BLUES AND SILVERS;**  
 six bank references; Seattle Chamber of Commerce; many satisfied customers. Booklet free. Breeder-acts wanted. Shipments from Seattle-Ranch, CLEARY BROS. Fox Farms, Empire Bldg., Seattle, Wa.

## B Eliminator—What Is It?

(Continued from Page 22)

stle or rectifier, is a Rectron or Raytheon tube. The first uses the usual heated filament from which an electronic emission to the second element, or plate, provides the path for the one-way current flow. In the Raytheon tube the bulb contains a gas which breaks down and becomes ionized establishing a path for the passage of current in one direction. Some eliminators employ an electrolytic chemical rectifier which also has the one-way property.

Now that the current is flowing in one direction, it can be called a direct current, but it is not in the form that a battery provides. It starts at zero, builds up to a maximum and falls to zero again 120 times per second, and this rippling or pulsating would be just as objectionable and useless for radio purposes as the original A. C. These ripples must be smoothed out and the current evened up to a closer resemblance to that which a battery provides.

This is done by an arrangement of condensers and choke coils. The choke coils, due to their property of self-induction, tend to oppose the building up of the current, and to retard its fall. This smoothing effect is further carried out by the reservoir action of the condensers. This action can be likened to that of a dam (the choke coils) and a reservoir (the condensers) whereby a series of rushing unsteady mountain streams, may be changed to a steady even flow beyond the reservoir. This combination of choke and condenser is called the filter.

We now have a fairly steady one-way current, but of only one voltage. Our radio set requires several different voltages, 45 volts for the detector, 90 volts for certain amplifiers, 135 volts for a power tube, etc. We connect a bank of resistance units across the full voltage

output of the filter. By tapping off various points along this total resistance we can have any desired voltage at each tap. This voltage will be the drop across that portion of resistance included.

The most desirable arrangement is to use variable resistance units, allowing an individual voltage adjustment for the various taps, since sets of different types require varying loads. The number of milliamperes required at the 45, 90 and 135-volt taps for one set will be different from that required by another set, etc., hence the advantage of variable control, allowing you to make the adjustments which will balance the eliminator to the receiver.

Once the adjustments are made on the eliminator, it should be left absolutely alone. The variable resistance controls on the eliminator are NOT tuning controls on your set. They are there for one purpose and are equivalent to making the initial connections to B batteries in tapping off the desired voltages.

One serious source of trouble is in the by-pass condensers of the set itself. They often break down under the increased voltage supplied by the eliminator, and the eliminator unjustly gets the blame. Since the eliminators themselves have by-pass condensers installed across the resistance unit taps, it is not necessary to use by-pass condensers across the B terminals of the set and the dealer who installs an eliminator often removes them before they can cause trouble.

The set owner who uses an ordinary voltmeter to measure the output of an eliminator often complains that his voltages are low. This is because the ordinary voltmeter will not give a true reading, the windings and shunt of the

instrument providing sufficient load on the eliminator to pull the voltage down considerably. Only the new type high resistance voltmeters can be used if any accuracy is desired.

In conclusion or summary, the B eliminator is essentially: 1. A transformer to raise the voltage to a value required to operate the apparatus which follows. 2. A rectifier, to convert the alternating current to direct current. 3. A filter to smooth out the pulsations. 4. A bank of resistance units, preferably variable, in order to obtain the several necessary voltages. The latter equipped with by-pass condensers.

## Canada Still in Lead

The report just compiled by the Department of Commerce, Washington, D. C., shows that Canada was again our leading customer for the past fiscal month, having purchased \$193,276 worth of radio apparatus. New Zealand and Australia were third and fourth, respectively, with \$45,592 and \$30,553. Australia imported \$21,951 worth of tubes and Canada \$12,878.

## The Woman's Page

(Continued from Page 28)

is; there's some more, next week."

### Shrimp Salad

Fresh shrimp in the markets! Make this salad! Cut 20 boiled shrimp lengthwise; add an equal quantity of asparagus tips; season with lemon juice, chopped parsley, a little mayonnaise and puree of tomato. Serve on lettuce leaves; cover with mayonnaise and sprinkle chopped beets over all. Serve very cold.

Burgess Batteries      Cunningham Tubes

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KOESTER

Crosley Sets and Speakers

Expert Service on All Makes of Sets

TUcker 6763

747 S. Figueroa St.

## Col. J. F. Dillon

(Continued from Page 24)

know of the other commissioners, the Colonel is the only one of them that has gone to the mat with puzzling broadcast questions, and—until the law broke down, some months ago, and the air became infested with PIRATE stations—soon to be things of the past, thank the Lord!—the 6th Radio District was celebrated as being the "best behaved" of them all—thanks to the Colonel's tactful, yet **determined**, manner of enforcing that which was believed to be a law!

I believe—yes, I am SURE—that Dillon is incapable of a narrow thought, let alone a narrow or mean action! To shake the man by the hand, and to look into his kindly, "straight-shooting" eyes, tells the whole story: "Commissioner of Radio, John F. Dillon—Officer and Gentleman"!

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**REQUIRED FOR 3 TUBES OR MORE  
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If Your Dealer Can't Supply You, Send Now

**BLACK BROS., INC.**

910 Black Bldg.      Los Angeles

# Superheterodyne Intermediate Frequency Transformers

By N. E. BROWN, Radio Engineer

(Continued from Page 32)

the transformer frequencies (in other words, unmatched transformers), would work out as an advantage for selectivity if it were not for the fact that with this means of getting selectivity the amplification per stage is greatly reduced, requiring increased input to the amplifier for a definite output and, as a result, just the amount of selectivity gained by staggering is lost by the over-riding or forcing of the tuned circuits by the increased input. The ideal condition, however, is that all the transformers be worked at the point where they give the maximum amplification, or are accurately matched. It is found in making up a number of laboratory transformers, some giving a flat broad curve where the resonant point is flat and others that are quite sharp that the latter provide the greatest gain per stage and require less sharpness in the filter and permitting greater amplification in the filter, but they require more care in placing and wiring. They are, therefore, either the best or the poorest, depending upon who assembled them into the receiver and who is turning the dials. And right here I want to say there are a lot of real good superheterodynes that are rendering good service IN SPITE OF THE OPERATORS rather than because of them. You will recall that Mark Twain in speaking of one of the river pilots, in his piloting on the Mississippi, who had just put the boat through a very bad piece of river while sound sleep, that if that somnambulist "could do such a kid glove, gold leaf-diamond ring job of piloting while asleep what could he not have done if dead!" and that is just what I often think about the superheterodyne.

Now, about the "magic" frequency we hear so much of, some one says it should be evenly divisible by ten, another has some other fantastic idea as to the best or only good frequency, and so it goes. Well, let's look at it for just a moment from several angles. The higher the frequency the greater the tendency to regenerate, and under certain conditions this might result in greater all fold amplification per tube,

but it would be much harder to handle and the chances of destroying some of the accuracy of adjustment to the same frequency when constructed (because of unlike capacities of tubes, etc., when connected) would be greater, and in order to control the regeneration a less negative grid voltage will have to be used which reduces the input impedance of the tubes resulting in higher damping of the circuit with attendant reduction of selectivity. But as we go lower in frequency, say around 40 kilocycles, the spacings on the oscillator dial becomes closer, and while the tuning of this dial seems quite a lot sharper, it is more apparent than real.

While it is quite likely that with an exact and systematic spacing of all the stations there might be some particular frequency that would minimize the placing of one oscillator setting of a station on one of the two settings of some other settings for each station it remains a fact that this is one of the fine features of the regular superheterodyne for, if there is a confliction on one setting, ninety-nine times out of a hundred the other is clear.

## International Concerts

The Los Angeles branch of the Columbia Phonograph Company announces the inauguration of a series of "International Concerts," using Columbia Viva-tonal records, to be given over station KFQZ, on Sunday evenings. The first concert will be devoted to real Italian folk music, something quite different from the Italian grand opera forms with which the public is so familiar, and the time will be 8:00 to 9:00 p. m., Sunday, March 14. This series promises to be a real and definite contribution to the musical education, as well as the pleasure of the radio public.



## Timely Trade Topics

W. C. Perkins of the United Cabinets Manufacturers' Corporation announces that this company have several newly designed cabinets; some with Utah cone speakers built in, and others with horn speaker using Utah loud speaker units. The complete line is being displayed and distributed by C. W. Smith Company, 1125 Wall street, Los Angeles. This company report very heavy orders on the Pacific coast and shipments are being made in carload lots.

Mr. Sidney M. Spector of the Spector Company, with offices in San Francisco, Los Angeles and Seattle, has just finished an extensive business trip throughout Southern California, calling on the wholesalers and the dealers. The Spector Company represents the Acme Apparatus Company, the Alden Manufacturing Company, Polymet Manufacturing Company and the Central Radio Laboratories.

Mr. Spector has lately become a "Benedict," and we all send him our most hearty congratulations.

Mr. Lyman Gage, president of the Precision Electric Mfg. Co., of 1918 Santa Fe avenue, Los Angeles, California, is making an extensive trip throughout the Middle West and the East.

He is not only visiting the Manufacturers who supply him with the raw materials which goes to making up his Precision "B" Units and Pemco A. & B. Power Units, but he is also looking over the Middle Western and Eastern territory very thoroughly in view of going into National distribution this fall.

The Pemco A & B and the Precision "B" Units have been so popular on the Pacific Coast and in the intermountain districts that there seems no reason why they shouldn't be equally popular in the Middle West and the East.

A. J. Tobey Co., well known Radio accessory jobbers at Fifteenth and Hope streets, Los Angeles, have been appointed jobbers for Southern California for Gosilco Super Aerial Wire, manufactured by the Gosilco Radio Products Co., Huntington Park, California.

The Utah Radio Products Company announce that they have perfected and now have ready for delivery two piano speaker units. The construction is such that it can be attached to any piano in less than three minutes. They also have perfected and will have ready for delivery at an early date two console type cone speakers. These new items, together with the improved loud speakers and loud speaker units will be distributed through their established Utah jobbers all over the country and will be on display at the Radio Manufacturers' Show in the new Stephens Hotel, Chicago, in June.

Eight new authorized Federal dealers have been added to the Federal Ortho-Sonic family in Southern California in the last two weeks, according to R. B. Yale, who reports a wonderful spring business in the Federal line.

The Figueroa Radio Shop, an up-to-the-minute radio store, located at 747 South Figueroa street, Los Angeles, has set a good example for all other dealers, and has shown them how to bring customers to their store. They give a year's subscription to Radio Doings to every customer who buys a complete radio set. The customer has to come to the store each week to get their copy. The purchaser of the radio set appreciates this gift and it brings the dealer into weekly contact with the customer.

## Broadcasters' Digest

Beethoven's Opera, "Fidelio," will be a KPO feature on Thursday night, March 24th, on the anniversary of the great composer's death. The opera will be rendered by a chorus of more than 40 voices and a thirty-piece orchestra, comprising the most prominent musicians of the Bay Region. It will be broadcast from the Hale-Chronicle station by remote control from the Scottish Rite Auditorium, beginning at 8:15 p. m., lasting for three hours. The soloists will be among the most accomplished singers in California.

A great "air" university in which the heads of the foremost colleges and schools in the country will be the directors, is planned by the National Broadcasting Company, Inc., as one of its features of the future for broadcasting from its national hook-up, in which KPO, the Hale-Chronicle Station will be the San Francisco link. This was recently declared by George F. McClelland, vice president and general manager of the company, who is visiting San Francisco to supervise the completion of the Pacific Coast chain of the company, eventually to become an important unit of the national chain.

The first station in the West to observe its fifth birthday anniversary will be KHJ, the Los Angeles Times station, when that studio goes on the air at 12 noon on April 13th with a program lasting until midnight.

The veteran announcer and manager of the station, Uncle John, will officiate. Uncle John, who is John S. Daggett, has been with KHJ since its inception and is Dean of Microphone Announcers in the West.

Charlie Wellman, for a long time announcer at KFWB and later at KMIC and before that at Chicago, has been free lancing recently. He has appeared at KNX, the Evening Express radio station, with several programs. The most recent was a vaudeville hour, handled by the popular Charlie and featuring some of the best local talent.

An unintentional international program was staged in Los Angeles recently from KHJ. No previous effort was made to arrange a program representing various nationalities but the five-hour broadcast contained several.

The entertainment opened with an Irish song, followed with a Hebrew lament by the concert trio. During the children's hour a Bulgarian child recited and two little German children played a cornet duet.

The evening musicale included a program by the Moana Hawaiian Entertainers in their native music; negro spirituals by the Cotton Blossom Singers, a colored quartet; zither music by the Tyrolean Swiss Zither Club; tunes by the Philippine Pan-Pacific String Band; yodeling by the Alpine Boys; and the evening broadcast concluded with dance tunes from an American jazz band.

The Stewart-Warner Products Service Station, 1366 South Figueroa Street, Los Angeles, wholesale distributors of Stewart-Warner Matched Unit Radio, are sponsoring a series of weekly radio programs, the first of which was broadcast from KFWB, Hollywood, on March 16th. Stewart-Warner programs will be on the air every Wednesday evening over the Warner Brothers station between the hours of 8 and 9 p. m.

**\$70**

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Accessories*



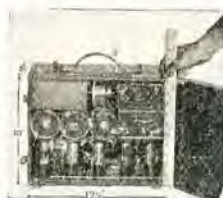
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Culver City Radio.....6716 Washington Blvd.

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F. J. Bobsene.....421 Santa Monica Blvd.  
Warren Radio.....1548 17th St.

#### LANKERSHIM

W. L. Bain.....5241 Lankershim Blvd.

#### HERMOSA BEACH

Radio Music.....1320 Hermosa

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Nelson Radio.....526 E St.  
United Radio.....2807 University  
The Radio Shop.....745 Broadway  
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