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WEEKLY

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of the
Pacific Coast*

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Vol. X

APRIL 24-30, 1927

No. 17

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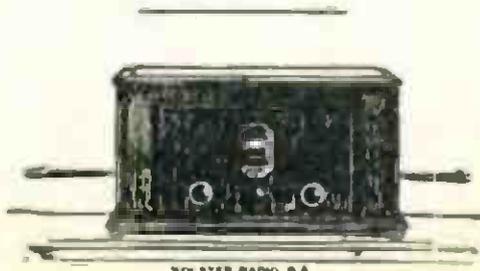
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"The Red Book of Radio"

H. C. CHARLES
Editor

Phone Westmore 1401

KENNETH G. ORMISTON
Technical Editor

J. S. MILLER
Associate Editor

MAJ. LAWRENCE MOTT
Associate Editor

(Entered as second-class matter, Nov. 25, 1922, Los Angeles, Cal., Post Office, under Act of March 3, 1897.)

Copyright, 1926, by Horwood Publishing Co.

Issued Weekly. Ten Cents a Copy, Three Dollars a Year. Canada and Foreign Countries, \$3.50 per Year.

Vol. X

Los Angeles

APRIL 23, 1927

San Francisco

No. 17

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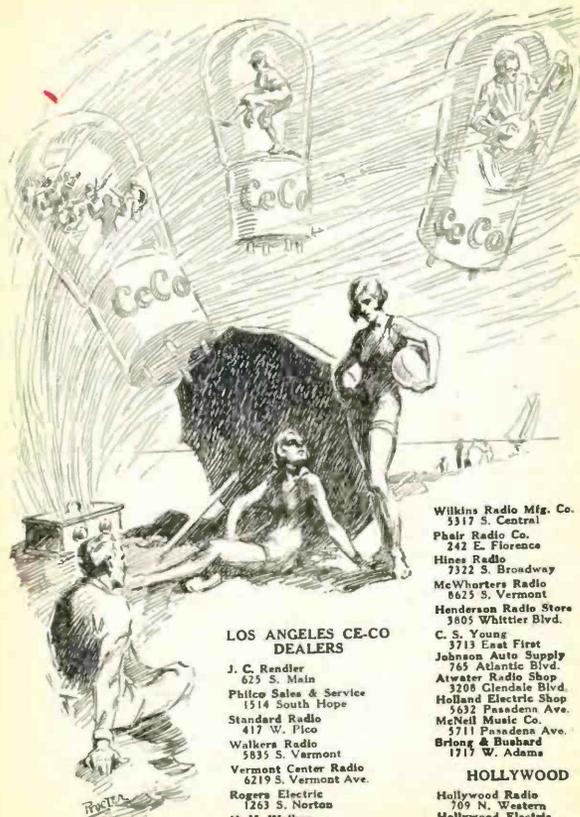
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VESTA 35 and 50 Amp. and HOBICO A Power Units

ACME, GENERAL RADIO, ALL-AMERICAN, KODEL, BALKITE, SILVER MARSHALL, STERLING and WEBSTER ELMINATORS

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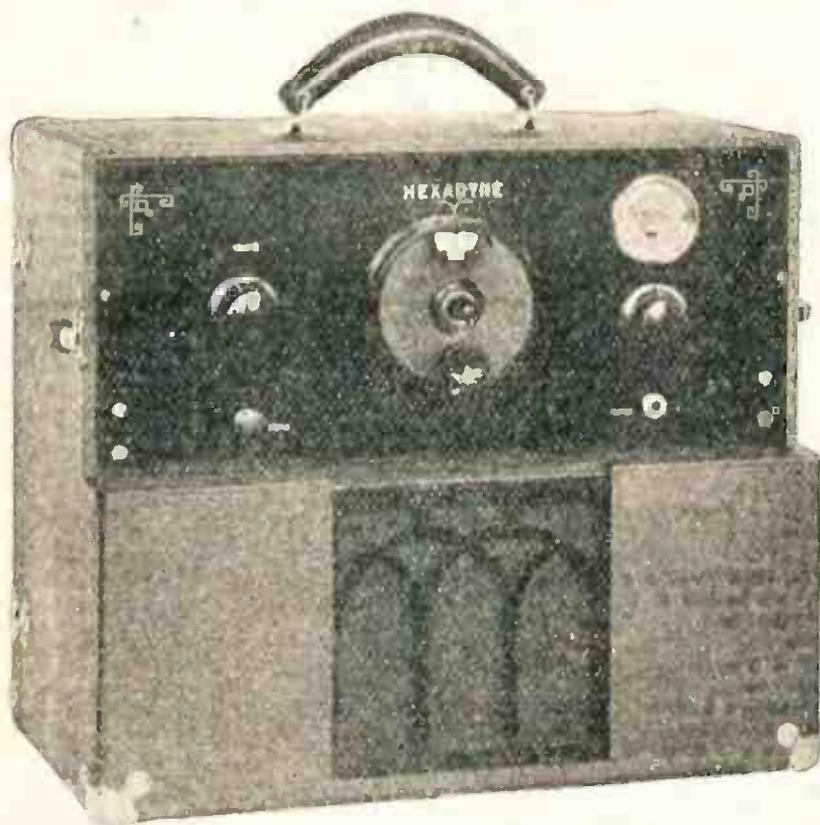
Los Angeles

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The New

Hexadyne 6-Tube

PORTABLE



**NEW IMPROVEMENTS WITH BEAUTY AND
SIMPLICITY**

**SINGLE DIAL CONTROL
OPERATES WITH A LOOP
EXCEPTIONAL DISTANCE**

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

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

Dealers Write at Once for Attractive Proposition

Manufactured by W. D. Hunt Co., Inc., 4961 Sunset Blvd., Los Angeles
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1125 Wall St., Los Angeles

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1320 S. San Pedro, Los Angeles

Radiograms

From

CLOYD MARSHALL, JR.

Prohibition

Some old-timer said, "every man has his price," and it seems as though the Eighteenth Amendment is bearing out this heretofore doubtful contention. Bribery, vicious gun-play and hi-jacking are flourishing as never before. All of us may yet know the Illinois sensation of hearing liquor gang machine-gun bullets whistle past our ears.

Many men are apparently not sufficiently strong morally to resist the temptation of easy money, so they become involved in the liquor traffic. These rum runners and dealers get so little opposition from the law that they have to fight among themselves to get real action.

What a pity that our government, one of the greatest powers on Earth, has to bungle this domestic job, and not only embarrass our municipal officials with Prohibition-created gangs of deadly cut-throats, but make an integral part of our sacred constitution an object of foreign witticisms. An aggressive enforcement policy on the part of our government and Prohibition administrators would squelch these noisy and criminal violators and win the wholehearted backing of more than half of the American people, whose support so far is based primarily on their conviction that the Eighteenth Amendment shall never be repealed.

Foolish Opposition

Big-hearted Uncle Sam! Powerful enough in resources to launch the world's mightiest navy and to maintain the most formidable military force ever known, is still awaiting the pleasure of France and Italy to enter upon

a civilized agreement looking to disarmament and continued peace.

France, frantic with an overwhelming fear is bristling her frontiers with cannon, hastily building a tremendous navy, perfecting gases and explosives that she hopes can litter half a nation with dead adversaries, drilling a comparatively enormous army and passing such drastic peacetime conscription laws as would make us Americans turn Bolsheviks. Still she can't pay her honest debts, increase her educational facilities, exchange the wooden ploughs of her farmers for modern agricultural machinery nor improve her pitiful economic condition. To accept our invitation she would show good sportsmanship in trying to keep war away from a much troubled world and at the same time would inexpensively insure her own safety through the friendship of Great Britain and the United States. But she seems intent on bleeding herself white then violently committing suicide.

Italy, a new and revived country, is based on the firm and recreating direction of Mussolini. His work has been admirable, but now that the period of necessary blustering and strutting around is past, Il Duce has disappointed the progressive world by saying "no" to Mr. Coolidge's peace conference proposal. Arming to the teeth, hurling threats and accusations around southern Europe, Italy has turned onto the path that leads to trouble and destruction. But this danger is softened by the suspicion that Mussolini is rumbling and growling for impressive effect. If he'd only glance through a history he'd see that the chances for the Italy of his dreams would be possible only through peace, not war.

At Last!

An Amplifier which gives uniform amplification from the lowest audible note to the highest!

An Amplifier which preserves the individuality of every musical note and instrument!

Hear
the



The Orthoformer, \$17.50
(In Canada, \$21.00)

Orthoformer

A scientific development in audio amplification that eliminates over-accentuation of any frequency—that gives TRUE reproduction for the first time.

IT WILL COST YOU NOTHING TO INVESTIGATE

**CLIP THIS
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Paste it on a
Postal Card
and mail it.
Send no
money; assume
no obligation.

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Without expense or obligation to me, you may have
dealer plug in the latest type of ORTHOFORMER to my set
for a free trial.

| NAME.....

| ADDRESS.....

| TYPE OF SET.....

| PHONE NUMBER.....

Radio Topics of the Day

A Weekly Review of Radio News, Thought and Opinion

R. C. A. LICENSES MANUFACTURERS

Coincidental with the formation of the Federal Radio Commission, action on the part of the Radio Corporation of America in licensing independent manufacturers to use their hundred or more basic patents in the manufacture of radio sets and equipment, brings to the public further assurance that the radio industry has at last entered a definite period of stabilization.

The Zenith Radio Corporation and the All-American Radio Corporation, both of Chicago, and the Radio Receptor Company of New York, are three concerns which now operate under the RCA license and have the use of that company's patents.

INDIVIDUAL TRYOUTS SUPERCEDE PLAN SOLUTION

It is becoming more and more evident that the Federal Radio Commission will not attempt to solve the national radio "jigsaw puzzle," as one commissioner put it, by the application of any particular general solution plan that has been offered, however worthy it may be. This does not mean that worth while portions of this or that plan may not be adopted, but it does mean that the present broadcasting system, bad as it admittedly is, is not to be suddenly disrupted and a different set of air traffic rules substituted.

Rather than, instead of installing an entirely new system of re-allocating stations and suddenly throwing all on dif-

ferent wave lengths, which would play the very mischief with listeners present-day logs and make it next to impossible to find a station, it is the commission's idea after they have gotten a perspective on the whole picture, to take up the cases of the individual stations one by one.

And then, as we have so plainly seen during the past week, the process will be simply this. First, a station gets its temporary permit, so as to operate after April 24th without violating the law. These temporary permits, by the way, may run along indefinitely, good, in fact, until the applicant's case is reached. Then comes the applicant's opportunity to be heard by the commission, which hearings are always to be public.

Following this will be the granting of a short-license of say 60 to 90 days, and then possibly the granting of the stipulated three-year license. However, it is unlikely the long term licenses will be generally granted for sometime to come. The commission wants to be dead sure that the system will work in its entirety before it jeopardizes the whole or any part of the set-up by giving any station a three-year license.

ODD

Radio Fan—"I picked up WGY last night."

Auto Fan—"Huh, wouldn't she give you her full name!"—Science and Invention.

Fussy Old Lady (as radio broadcaster sneezes)—"There! Now I'm sure I shall catch cold."—Exchange.

The World's Long Distance Championship

Won by Mr. R. Davies

USING

CeCo TUBES

READ HIS LETTER!

Dec. 20, 1926.

C. E. Manufacturing Co.,
Providence, R. I.

Gentlemen:

"MY SUCCESS in winning the WORLD'S RADIO LOVING CUP in recognition of the longest vocal radio reception on record was MADE POSSIBLE BY YOUR TUBES. With my hook-up I was successful in tuning in 21 foreign stations in 7½ hours during International Test Week. It was impossible to receive even distant U. S. reception with various tubes of different manufacture at the time of test.

"Whereas, in my test for the World's Championship I received the following stations and tuned some of these in three or four times during test week, and I might add that weather conditions were very poor.

"SYDNEY, AUSTRALIA (AIR LINE 9700); MOSCOW, SOVIET REPUBLIC; BRUSSELS, BELGIUM; ROME, ITALY; MUNICH, GERMANY; HAMBURG, GERMANY; MADRID, SPAIN; LIMA, PERU; LIVERPOOL, ENGLAND; BOURNEMOUTH, ENGLAND; LONDON, ENGLAND; ABERDEEN, SCOTLAND; VANCOUVER, B. C.

"It is readily understood why I have become so enthusiastic over your product, for without it my success, which has meant so much to me, would have been a very difficult task. A manufacturer turning out so meritorious a product is deserving of all the 'hoop' the radio industry can give, for your CeCo tubes really fulfill your motto, 'MAKE A GOOD RECEIVER BETTER.'"

(Signed) R. DAVIES

In your own interest Demand CeCo Tubes. Endorsed and specified by the leading Radio authorities in the United States.

If your dealer has not got them he can get them for you through authorized local jobbers.

Dealers, get your franchise on the finest Radio line now on the market.

C. E. Manufacturing Co., Providence, R. I.

Pacific Coast Representatives

B. KRUGER & CO.

500 North Huntley Drive, West Hollywood, Calif.

(Sherman P. O.)

Tel. OX. 3897

What Price Quality?

By K. G. ORMISTON

When the organist puts his foot on his most low-down pedal the result is a musical note of a frequency of 16 cycles per second.

When the pianist tinkles the last ivory at the right end of the keyboard the result is a musical note of a frequency of about 4000 cycles per second.

Between and between are noises of every frequency with assorted harmonics and overtones mixed with the fundamentals. Radio engineers who have designed our broadcast stations have done their level best to do full justice to all that wide range of frequencies from the rumble of the lowest organ note to the squeak of the highest soprano songbird. They have endeavored to amplify uniformly and regardless of frequency and pump a fairly accurate reproduction into the ether.

The job at the transmitting end is not perfect, but it is so far ahead of the capabilities of the modern receiving set that in our search for quality we may concentrate our efforts on the receiver until we are at least able to reproduce everything that is broadcast.

In the receiving set the radio frequency amplifier and detector circuits also have their shortcomings and do queer things to the original frequencies, but here, too, we may overlook their failings because there is an offender who does far more damage. In fact, for all practical purposes we may consider that the output of the detector tube is nearly a perfect reproduction of what is going on in the broadcast studio. Headphones connected to the detector give a very satisfying result. We must, therefore, in our search for quality, scrutinize with a critical eye the divers and sundry apparatus that follow the detector,—namely, one audio amplifier unit and one loud-speaker. Here is where all the

havoc is wrought—music goes in so sweet and comes out so sour!

So let us consider the various types of audio amplification from the standpoint of true reproduction and see what's what. We must of necessity become a bit technical, but we will try to stick to United States, rather than English or Greek.

The vacuum tube is, of course, the heart of the amplifier. And fortunately, the tube in itself when operating under the proper conditions, will amplify uniformly and without distortion. You will observe the qualifying phrase "under proper conditions." That means the tube must operate on the straight-line portion of its characteristic curve, which in turn means that there must exist a certain definite relation between grid and plate potentials; or in still more simple language—the B and C voltages must be just right. Now, with two or more tubes with proper B and C potentials we have an ideal amplifier, BUT—here is the little joker,—we must couple these tubes together and therein lies the difficulty.

The most widely used method is through the use of transformers. The primary winding of the transformer is connected in the plate of one tube, and the secondary in the grid circuit of the next tube. This affords coupling without disturbing the very essential plate and grid potentials. But no transformer yet built will amplify uniformly over the entire audio band. There are many reasons for this. One of these is that the impedance of the windings varies with the frequency. Another is that the distributed capacity of the windings offers a path to the high frequencies and thereby reduces the amplification of those frequencies. A third is that the combined distributed capacity and the

(Continued on Page 74)

The Musician's Point of View

By FRANCES HEWITT
Musical and Studio Director of KFWO

KFWO is unlike every other broadcasting station in that it nestles close to Mother Earth, hugged by a flower garden, guarded by high-tossed mountains on a beauty bedecked island, a sun-gilded jewel set in an azure sea. But it is like every other station in that



FRANCES HEWITT

it has a host of friends.—generous with their praise; kindly in their constructive criticism; with a correspondence that is voluminous in expressions of appreciation.

This is all as it should be, for no one outside a broadcasting station can fully realize the heartbreaking work, the hair-raising possibilities of costly accidents to apparatus that is entailed in its maintenance, to say nothing of hosts of other troubles and worries.

Surely, as Studio Manager of such a station, I should be contented and

happy? But I am not! I am jealous—horribly, frightfully jealous—for the musicians, not only of our own station but for those of all other stations, and, until I stopped reading that which critics have to say anent the broadcasting performer, in our numerous publications, I was in a constant state of indignation at their seeming lack of comprehension of what said performer is up against!

Oh, how they hate and anathematize sopranos! And, I am a soprano, well and alack!

Then they take so many digs at announcers! Oh, ye gods! How many of these facile writers, I wonder, could talk, hour after hour, day after day, to an unseen audience, keeping up their gaiety, their good cheer, their friendly tone of voice!

If radio has made the broadcast announcer, the latter has surely done his share towards making their respective stations popular, and to these announcers, who hold their listening public through the sheer force of their personality, all the honor is due that is given to any great artist!

For they are artists in their particular line. But it is not for them I would speak now. They are few in number, as are the real artists in any walk of life, and the public loves them, never ceasing in its praise of them and their work. This is right! For all gifts are of God, and, in praising His gifted ones, we but praise Him Who gave them to us.

I am jealous for the musician—especially the singer; particularly, the soprano!

Musicians and singers have been in the world since the beginning of man. They have contributed more in joy and

entertainment, rest and relaxation for the tired worker, the sorrowing brother and sister, than has any other class of humanity. The musician has lived hundreds of thousands of years without radio. But radio can not live as broadcast stations without musicians. In spite of the wonder of your favorite announcer, and the joy you take in him, were it not for the musician, this radio affair would be a sorry and gloomy business!

Oh, yes, I know what nerve-racking sounds reach you via your receiving sets from these same musicians,—especially from singers! But I know something you do not know! I know somewhat of how much of this excruciating clatter is due to the performer, and what portion is due to the transmission apparatus—and its operator!

Were you to hear many to whom you now listen—and condemn—over radio, in a theatre or recital hall, you would

laud them to the skies because of the pleasure they gave you; others, whom you like—over radio—you would hiss off the stage! For radio apparatus, at its present stage of development, ranks with, and works like, the undeveloped human machine—it lowers the good and exalts the mediocre and bad!

Mechanics and artists have met in this field of radio closer than they have ever met before. As is always the case, when these two meet, mechanics win—for a time. But, in the end, people demand the beauty of art in their mechanical appliances, and art takes its rightful seat,—not necessarily a dominating one, but at least an equally beloved and honored one.

So far, the engineers of radio, in their efforts to do the best for their apparatus, have been doing their worst to the musician.

The soul of a musician is of the sub-
(Turn to Page 75)

LOOK!

WHAT \$52.50 WILL DO ON A

Stewart-Warner

Model 325 Receiver

KMOX—St. Louis
WHO—Des Moines
WJBO—Chicago, Ill.
WGY—Schnectady, N. Y.

WCCO—Minneapolis, Minn.
JOAK—Tokyo, Japan
JOCK—Nogoya, Japan
2BL—Sydney, Australia

Received March 8, 1927

Let us demonstrate one, battery or batteryless. Very attractive terms.

OPEN EVENINGS — SERVICE DAY AND NIGHT

LESTERS RADIO

(Since 1920)

452 So. Broadway—MU. 0871

109 No. Broadway—WE. 3014

These Single dial Control Stewart-Warner Receivers offer genuine radio value!

Stewart-Warner single dial control receivers have a six-tube receiving circuit of acknowledged efficiency... they have a reputation for tone qualities that is conceded even by manufacturers of competitive products. The Stewart-Warner radio line, in its entirety, is made in Stewart-Warner factories... in this way the performance of each unit entering into the completed product can be matched with the others. The resulting product, under the trade name of Stewart-Warner Matched Unit Radio, is offered to you with the assurance that you will find it to be, in every way, a satisfactory investment.

Any Stewart-Warner dealer listed in this advertisement will gladly demonstrate Stewart-Warner radio in your own home and explain the liberal terms on which it can be bought.

Los Angeles Dealers

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2525 Glendale Blvd.
DEAN K. BARRIS
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BIRD & BUSHARD
1727 W. Adams St.
CALIFORNIA RADIO SHOP
697 South Figueroa St.
CHAPMAN HOUSE SALES CO.
4274-76 S. Figueroa St.
CLIFF'S RADIO SERVICE
2695 Dayton Ave.
DON FINKLE
2267 West Jefferson
A. W. COOPER
1315 W. 99th St.
MARRY SAVOY
928 W. Jefferson St.
HOLLAND ELECTRIC SHOP
5653 Pasadena Ave.
HIDLEY RADIO & BIKE HOUSE
917 South Main St.
HINES RADIO
7522 South Broadway

INTERPHONE ELECTRIC CO.
5219 Alhambra Vista St.
LESTER RADIO
319 North Broadway
LESTER RADIO & ELEC. CO.
452 South Broadway
LOVINGER'S MELROSE RADIO
SHOP, 4436 Melrose Ave.
RAY LYON
1113 Compton Ave.
RAY LYON
7459 N. Figueroa Ave.
MANCHESTER RADIO CO.
1822 E. Manchester Ave.
MOORE RADIO SALES CO.
Head at Avalon Blvd.
MOHAWK BAT. & RAD. CO.
2115 Sunset Blvd.
A. W. COOPER
1320 Avalon Blvd.
NORTON & NORTON
2211 N. Broadway
POTTER RADIO SALES CO.
1817 W. 74th St.
R & R ELECTRIC CO.
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RADIO SUPER SERVICE CO.
2014 Venice Blvd.

CHAS. A. ROBINSON
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RADIO ELECTRIC SHOP,
757 S. Vermont Ave.
RADIO CABINET DIST. CO.
957 South Broadway
A. C. SINGER
4127 Pasadena Ave.
SOUTHWEST ELECTRIC &
RADIO CO., 507 W. Florence Ave.
WEST STATES ELEC. CO.
4751 South Broadway
WILKINS RADIO MFG. CO.
5377 Central Avenue

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THE BARROWS COMPANY
5845 Sunset Blvd.
DORAN'S ELECTRIC SHOP
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DORAN'S ELECTRIC SHOP
9920 Santa Monica Blvd.
MELROSE RADIO SHOP
5843 Melrose Ave.
C. H. PRESTON & SON
12285 Veterans Blvd.
North Hollywood



Model 345—\$82.50 with the New Model 415 Reproducer—\$31.50
Model 350—\$115.00 with built-in Reproducer—

In addition to the models pictured here Stewart-Warner Matched Unit Radio is made in a full line of table and console types in both single and three dial control, five and six tube receivers.

Southern California Dealers

ALHAMBRA, LaRoy G. Franklin
614 W. Main
ARROYO GRANDE, J. D. Trait
Across Grande Plumbing and Electric Shop
ARTESA, Wm. D. Hayes
259 N. Main St.
BARKERSFIELD: Chiffon-Grant Radio Co.
1816 Tremont St.
BARSTOW, Barstow Radio Shop
BELLFLOWER, Standard Radio Shop
501 Rosewood St.
BREA, Bennett's Radio Shop
122 S. Pomona Ave.
DOWNEY, Woods Radio Company
412 84th St.
COMPTON, Nygard Electric Co.
161 East Main St.
Covina, Harold R. Houser
116 Collier St.
DULVER CITY, Coter City Radio & Elec. Co.
8715 Washington Blvd.
DOWNEY, H. M. Speaker
6th and Crawford
EAGLE ROCK, Weaver & King
9117 Eagle Rock Blvd.
EL SEGUNDO, E. W. McAdister
110 Grand Ave.
EL MONTE, Weaver & King
1833 Monte Hideo. Co.
FULLERTON, Radio Studio
1124 North Street
GARDENA, Don Stearn
725 W. 165th St.

GLENDALE, Willard Melrose
(Broadway Elec.)
295 E. Broadway
HERMONDA BEACH, Rose Radio Store
245 Camino Real
HUNTINGTON PARK, H. L. (Radio) King
114 E. Brighton St.
HYNES, Van & Jenkins
INGLEWOOD, E. D. Azleworth
111 N. Market St.
LANCASTER, E. A. Knip
BISHOP, Grifth Bros.
LONE PINE, Grifth Bros.
LONG BEACH, Alday & Grandall
125 American Ave.
LONG BEACH, The Electricus
Radio Co.
1719 E. Anaheim
LONG BEACH, W. L. Horrell
743 Pine St.
LUDLOW: Reed & Gilbert
LYNWOOD, Lynwood Elec. Co.
204 N. Long Beach Blvd.
MIRAMONTE, C. E. Graham
OCEAN PARK, Crescent Tire & Supply Co.
Bay and Main Sts.
ORANGE, Roy Das Larraz
143 N. Glassell St.
PALMDALE, Bryant Radio Elec. Co.
12201 Washington Blvd.
PASADENA, Wyckoff & Vander
1005 North St.
PASADENA, Premier Radio
11 California St.
PASADENA, DeWilde Radio Laboratory
2918 East Colorado Ave.

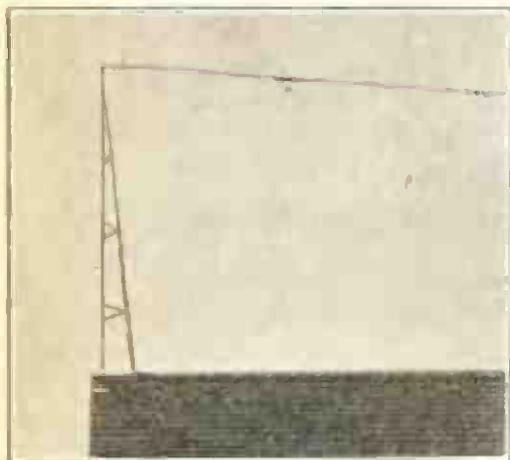
PASO ROBLES, R. C. Heaton
PICO, Pico Radio Shop
POMONA, George W. Hlatt
181 E. Third St.
REDLANDS, J. L. Yeant
106 W. Citrus Ave.
SAN BERNARDINO, Gurr, Smith & Gurr
429 Fourth St.
SAN FERNANDO, Willis Rowe
SAN GABRIEL, A. Burman
3849 E. Huntington Dr.
SAN LUIS OBISPO, Oline Elec. Co.
384 Monterey St.
SANTA ANA, Shaffer's Music Store
418 N. Main St.
SANTA BARBARA, Val Folter
732 State St.
SANTA MARIA, Ford & Smart
118 E. Main St.
SANTA MONICA, J. S. Suits
823 Wilshire
SANTA PAULA, The Music Shop
100 E. Main St.
SATICUM, M. H. Wright
811th and D Sts.
TAFT, L. H. Bird
610 Center St.
TONGAN, NEVADA
Tonopah Electric Company
UPLAND, Jay M. Ross
VENICE, Stewart-Warner Radio Studio
1000 Broadway
WALNUT PARK, Terminal Electric
1005 North St.
WHITTIER, H. C. Oldham
125 W. Broadway
WILMINGTON, O. F. Clauson
714 W. Anaheim

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

"Steel Spire"

THE
PERMANENT AERIAL
SUPPORT

*Combines Permanence,
Beauty and Utility*



"Blends with the Sky"

The "Steel Spire" aerial support is a welded steel mast that can be permanently and neatly attached to any roof. It needs no guy wires and once installed is there to stay. Gives the best radio reception possible at all seasons. Quickly and easily attached.

6 ft., per Set, \$11.50
9 ft., per Set, \$15.50
12 ft., per Set, \$19.50

ASK YOUR DEALER

Or Phone for Information to
Los Angeles Radio Co.
2135 W. Pico Los Angeles, Cal.
BEacon 7431

BARKER BROS.
7th & Figueroa ME. 1840
LOS ANGELES

Manufactured by

Pacific Aerial Company

1385 Obispo Ave. Long Beach, Cal.
Phone 345-115

Knicked Out of the Air

By HEARL LA VERN CROWTHERS

A rut is a grave with both ends knocked out.

After all a blotter will only take up the ink which has not already soaked into the paper.

A blow between the eyes may close the eyes, yet open them to something else.

The mental photograph of you upon the mind of another should need no re-touching.

A man may have been born on top of a mountain, yet still elevate himself.

You do not always forget an injury but you can refuse to think about it.

Lines in the face of an individual are not always indicative of years.

The man who drives at ten miles an hour in the center of the street is probably ahead of his mind at that.

The largest river has the greatest number of tributaries and they all drain into it. It must also lie in the bed which it itself makes.

Time does heal all wounds, one way or another, but the resultant scar tissue has an aggravating way of pinching the old nerve endings—just to remind us.

I have my moments of depression when I really wonder whether or not we were not given two ears in order that some of the things we hear may just go in one and out the other.

An Aid to Selectivity

A small new Station Selector just marketed by the Central Radio Laboratories, is of special interest to radio fans in these days of much radio interference, because it can be quickly attached to any set using an antenna and is claimed to aid greatly in separating stations on the shorter wave lengths. The fact that it requires no adjustment is another advantage appreciated by those owners who find they have enough dials to manipulate on their set as it is.

The unit is made up with a special type coil enclosed with switch in a small black finished case. It is simply connected to the antenna lead-in and the set. It acts to boost the resonance tuning frequency of the antenna circuit above broadcast frequencies, thus increasing the selectivity of the set at the shorter wave lengths, where there is greatest station congestion, in preference to the longer wave lengths where station selection is not so troublesome. Of course the unit will not separate stations on the same wave length, nor those stations so close as to set up the heterodyne whistle we hear all too frequently nowadays, because such separation is impossible with any practical device known to radio engineers.

Blue Vitriol Ground

**Increases Volume — Improves
Tone and Adds Selectivity**

Endorsed by Radio Engineers

Price \$8.50 Installed

Guaranteed for 5 Years

N. H. (BOB) ROBINSON

GROUND EXPERT

2618 North Main Los Angeles, Calif.
Phone CApitol 7310

RADIOLA SPECIALISTS

We make any RCA SUPER-HETERODYNE include in its tuning range the stations between 200 and 230 meters, at a nominal cost. Not an attachment, but a fundamentally sound improvement in the circuit. We have also developed improvements for the Radiola 20.

Our Electrical Phonograph

is creating a furor among the music lovers who demand the last word in quality reproduction. We build portable and console models, or this equipment can be installed in your old phonograph. Furthermore we guarantee as faithful reproduction as that given by any machine offered to the public.

*Makers of the Professional
Model Receiver*

Laboratory of Radio Standards

E. K. Hayes

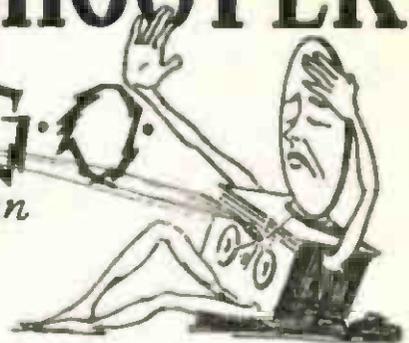
V. M. Blitz

2408 W. Vernon—VERmont 6543
Los Angeles, Calif.

THE TROUBLE SHOOTER



ASK K.G.O.
The Answer Man



KENNETH G. ORMISTON
Technical Editor

J. S. Hussey, Cromberg, Calif., writes that he has an E. I. S. 7-tube superheterodyne with which he gets lots of DX and interference. His tuning condensers are of the old style, being three years old. He asks if straight-line frequency condensers will improve his selectivity. His present condensers are shunted by Chelton midgets.

It will help your tuning considerably to replace your present condensers. Straight-line frequency condensers, however, while they will space out the stations on the lower end of the scale, will bunch up those on the upper portion of the scale. The ideal condenser is one whose plates are so shaped as to follow straight-line frequency characteristics over the first half of the scale and straight-line wave-length on the upper half of the scale. To illustrate this: KFON and KFVB are 100 kilocycles apart, and 19 meters. While on the upper scale KHJ and KFI are also exactly 100 kilocycles apart, but here this separation represents 62 meters. It can be seen, therefore, that a station separation on the dials in proportion to frequency over the lower half of the dial, and a separation in proportion to wave-length over the upper half is the most advantageous arrangement. Continue to use the midgets as they serve as vernier adjustments.

New RCA High Mu Tube

The Radio Corporation now offers their UX-240 tube, especially intended for resistance coupled amplifiers. Inasmuch as in this type of amplifier there is no step-up effect excepting that of the tube itself, it is desirable to use a tube with a high amplification constant in order that a stage of this type may be the equivalent of a transformer coupled stage where the turn ratio of the transformer gives a voltage increase.

The tube accordingly has an amplification constant of 30. It is stated that a two-stage resistance coupled amplifier using the 240 type tubes will operate a loud speaker at full volume. Heretofore it has been necessary to use three stages to equal the volume of a two-stage transformer-coupled amplifier.

Anent Selectivity

Readers continue to complain of the lack of selectivity on the stations on the lower half of the broadcast band, and do not realize that their own receiver is largely responsible, due to the characteristics of the antenna circuit.

In the usual layout the antenna comes to a coil within the set and then out to ground. This circuit contains all the essentials of a tuned circuit,—namely, inductance and capacity. And whether you like it or not, your antenna circuit is nicely tuned to some particular wave-length. With the usual small antenna and small coupling coil in your set, this wave-length is short, right down among the flock of stations between 200 and 300 meters. That is why one or more of the short-wave stations seems to blah all over the lower end of your dials, and selectivity is a doubtful item. What to do? Well, the easiest way to rectify the trouble is to tune the antenna circuit purposely where you want it. Since it would hardly be advisable to add another control to the hunch you already have, the desired result can be accomplished by inserting a fixed inductance in the antenna lead which will raise the wave-length above the broadcast band. This may broaden out the fellers at the top of the scale, but the inductance can be shorted out again when you want selectivity up there. The Central Radio Laboratories are marketing a small unit for this purpose.

Preston Ground Name Changed

Several imitations of the radio ground connection invented and developed by C. H. Preston of Chatsworth, Calif., are being offered to the public. This article, a positive ground connection the merit of which has been attested by many well known radio engineers, was first marketed under the name of the Preston "DX" Radio Ground, but almost immediately there were placed on the market "X" Grounds, "OK" Grounds and numerous others, assembled in a hurry by an unscrupulous lot of people whose sole desire was to "get in on the easy money" regardless of the feelings of the radio owner whose money they were taking. No manufacturer with fair business standards wishes to discourage fair competition, but unfair competition sometimes makes it necessary to adopt combative measures. Preston has been forced by circumstances to discard a name that has been popularized by the expenditure of many hundreds of dollars of advertising money, and change the name of his ground to the "C. H. Preston Permanent Radio Ground." He has also adopted a trademark and label that contain his signature. The guarantee of permanency of the product over his signature as inventor will, it is believed, offer some assurance to the radio buying public that they can buy the genuine produce with the assurance that it is correct.

**Burned-out Audio Transformers
Repaired—\$1.50**

SPECIAL PRICE IN QUANTITY

A. W. COOPER

1315½ W. 39th St. Los Angeles, Cal.

Burgess Batteries Cunningham Tubes

FIGUEROA RADIO SHOP
RADIOTRICIANS

KOLSTER

Crosley Sets and Speakers
Expert Service on All Makes of Sets

Tucker 8763

747 S. Figueroa St.

"Modern" Tube Shield

A new device for shielding tubes has recently been placed on the market by "Modern" Laboratories, Owosso, Michigan. These shields protect the tubes from microphonic sound waves by insulating them from the surrounding air and by three rubber tipped spring fingers inside of shield, which press tightly against the tube, arresting any vibrations set up by jars, sound waves or telephonic vibrations in the cabinet; the rubber tips eliminate any possible conductive leakage from shield to tube. B. Kruger & Co., 500 North Huntley Drive, West Hollywood, is the representative for the "Modern" Laboratories.



WEBSTER B and C Socket Power

**Raytheon Equipped
5 Controls**

Easily set to exact current value needed for every tube in receiver to get best tone, greatest distance and most volume. Gets amazing results out of H.F.L. 11 (8 standard, 2 No. 112 and 1 No. 171 tubes) and other high power sets.

Before buying an eliminator write for FREE booklet, "Improving Your Radio."

THE WEBSTER COMPANY
854 Blackhawk Street
Chicago, Ill.

SCOTT SALES CO.

443 South San Pedro St.
Los Angeles



By CAREY PRESTON RITTMEISTER



"C. P. R."

Women all over the world and in every walk of life are awakening to the realization that more thought and study must be given to the cultivation of better health. Olga Nethersole, the English actress, has been decorated by the British government for her pioneer health work, culminating nine years ago in the formation of the People's League of Health; and her efforts have resulted in the framing of definite legislation to promote the national health.

There is no doubt that happiness and success depend largely upon one's health, and by following a few simple rules and using a little common sense, most girls can be healthy and happy.

Headaches, fatigue, chronic indigestion! How common these things are among women, young as well as middle-aged and old! Remedies are sought; one cannot eat this and that; but very seldom does one dig for the real cause of these discomforts. Information on calories, vitamins and balanced feeding is being spread throughout the length and breadth of our country by the women's clubs, by Government bulletins and by the radio. A woman running a household will doubtless have at least one simple reference book on food values. But how few will have any information on psychology.

The modern woman should read and study one or two of the simplest modern textbooks on psychology. She will then begin to see how the daily happenings of life affect the health, through

the subconscious, making them the ruling moods and bodily tendencies, such as chronic indigestion and melancholy in the pessimist, or good appetite and health in the optimist. She will then begin to understand how the law of suggestion broadens out until it includes the entire structure of life.

Success in Business

One of the most celebrated women in the field of big business is widely known as a successful importer. She has worked her way to the top so what she says is worth knowing. She started in business with a capital of \$38, and her yearly income now is written in six figures. From her experiences one deduces the conclusion that business is difficult; that a woman going seriously into business must forget the feminine side; must try to see things as a man sees them; must ignore physical conditions.

Most of all, it takes courage—and then more courage. Then, too, it takes honesty—not only of action but of every little thought. You must expect to get a square deal and always give a square deal. Most of all, imagination enters into the structure of success.

Many a woman has the imagination, the ability, honesty, every qualification for a successful business career; but the necessity is not there. Then, should sickness or death remove the support on which she has leaned, developing the necessity, it takes so long to develop the courage and the determination that nothing shall stand in the way of success.

Angel Food Cake

This last week I learned a new way
(Continued on Page 76)

Koo-Koo KolyuM

By HAL DAVIS

**EXTRA! EXTRA! PROFESSOR
McGARGLE RETURNS FROM
EUROPE WITH NEW
A C TUBE**

Says New Invention Will Revolutionize Radio Industry!

NEW YORK CITY, April 31.—Professor Aloysius McGargle, the internationally notorious Radio Expert, arrived home from Europe on the "Mammoth" of the Shooting Star Line, this morning.. To reporters who boarded the ship at Quarantine, Prof. McGargle said:

"Boys, I have here in that little black bag the dynamite which is going to rock the Radio Industry of the United States. I mean the 'McGargle AC Tube,' which is the result of my past year's work in collaboration with the best minds of the Faculty of Science at the University of Prague, Bohemia.

"The McGargle Tube will eliminate A, B and C batteries, coils, condensers, transformers, loud speakers, plugs and jacks, panels, howls, static, profanity, aeriels, grounds and cabinets. This new tube can be used to light the room, giving a beautiful mellow glow; it will run the vacuum cleaner for tired housewives; operate the washing machine, mangle, electric toaster, heating pad or what have you?—and best of all, when blown out makes a perfect system of electric refrigeration for the household."

Asked if the new tube would be expensive, Prof. McGargle replied: "The cost will be nominal. The Woolworth Stores cabled me for rights of distribution, and I expect to sign a contract with them as soon as I have breakfast at Childs."



\$25⁰⁰

Cruise in the Wake of the Pirates

LET your thoughts take you back to the land of dreams where Romance rides swiftly on the wings of adventure. Drink deeply in the enjoyment of your favorite Radio program as your thoughts cruise the Spanish Main.

The Enchanter Radio Reproducer will help you to this solace and comfort. The design alone is sufficient incentive, but the perfect tone—reproduced in its full tonal quality and color—will give you rich, mellow reproduction without the usual interruptions and harshness.

The Enchanter combines an art metal design—Spanish motif—of exceptional beauty and decoration, with perfect radio reproduction. Gives you all that a good speaker can, plus that wonderful invitation to cruise with your thoughts.

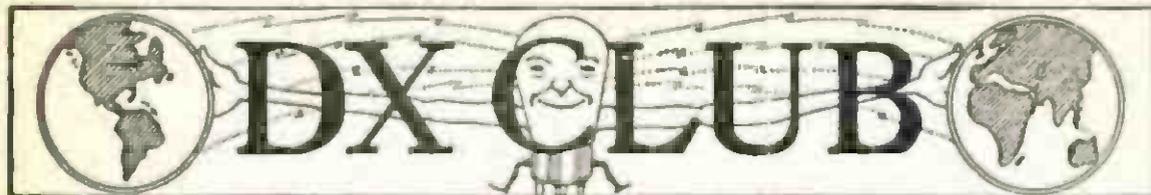
BAKER-SMITH CO., Inc.

Exclusive Distributors

New Call Bldg.

San Francisco

THE ENCHANTER
CONE ● SPEAKERS
Highest grade reproducers



FIVE AND TEN

DX Club:

I have been getting much pleasure from a new circuit combination and believe a brief description of it will interest the DX fans. It is a 10-tuber, using the Infradyne amplifier for DX work, and by means of a switch, is changed to a selective 4-tuber. On the 10-tube circuit such stations as CNRV, KFWM, KOA, KOIL, KOIN, KOMO, WCCO and WSAI, have been received at a location in the middle of downtown Los Angeles, with locals on. The RF end uses regeneration, and but one tuning condenser, and this with the infradyne condenser makes but two controls for the 10-tube circuit. I have assembled the whole set into a 7x24 layout, 8 inches deep.

E. R. RAEHRS,
1715 W. 10th St.,
Los Angeles, Calif.

NEW NORTHERN MEMBER

The DX Club:

I've read the majority of letters from DX hounds printed in Radio Doings. The most of them are quite thrilling, because they are out in the "country," away from local intervention. I live in San Francisco, in the Sunset District, not so very far from KFWL. I have a Murdock 5-tube Neutrodyne, which I purchased Dec. 31st, for a ridiculously low price. To date I have received 66 stations clear and loud on my speaker, including KYW, WCCO, CZE, WHO, and several Canadian stations, ranging from British Columbia to Alberta. Never heard of anyone getting KFKB, Milford, Kas. I have tuned this station in three nights in succession. Would like to hear from anyone who has a Murdock Neutrodyne, and what they are getting.

ADRIAN HORTON,
1833 Tenth Ave.,
San Francisco.

A 'FRISCO FADA

DX Club:

I have been a constant reader of your magazine, and wish to be admitted to your DX Club. I have a Fada 6-type R-60 receiver, and for an aerial, a fifty-foot rubber-covered wire, including lead-in. The stations received are as follows:

KFI, KHJ, KNX, KSMR, KFSD, KPSN, KFWO, KOA, WBBM, WJAZ, WJJD, WHB, WSAI, KGW, KOIN, KJR, KGA, CNRV, CFCT, KFBK, KHQ, KOMO, KFON, KNRC, KGEF, KMTR, KOWW, KTBI, KWSC, KFUR, KEX, KOIL and KFQU.

I hold EKKO verification stamps from a majority of above stations, including the two Chicago stations. I enjoy keeping my Ekko Verification Stamp album, as it is the only way to prove your reception of programs from any broadcasting station.

I have had my set only a little over three (3) months, and I think I have done as good as the average owner of receiving sets in receiving DX. Don't you think so?

JOHN L. WHITMEYER,
50 Crown Terrace,
Ashbury Park,
San Francisco, Calif.

ANOTHER "20" BOOSTER

DX Club:

I am another one of those "20" fans that you hear so much about these days, and like most other Radiola "20" owners, I am very well satisfied with my set.

My record isn't among the best, by no means, in fact, it is very small compared to most DX records. Anyway, here goes: KDKA, WLIB, KMOX, KOIL, KFJF, KFKX, CNRV, KSL, KOA, KFXF, AMB, KJR, KOMO, KOAC, KOWW, KOIN, KGW, KEX, WBAP and all California stations over 50 watts.

Very truly yours,
MAURICE H. RAPP,
Los Angeles, Calif.

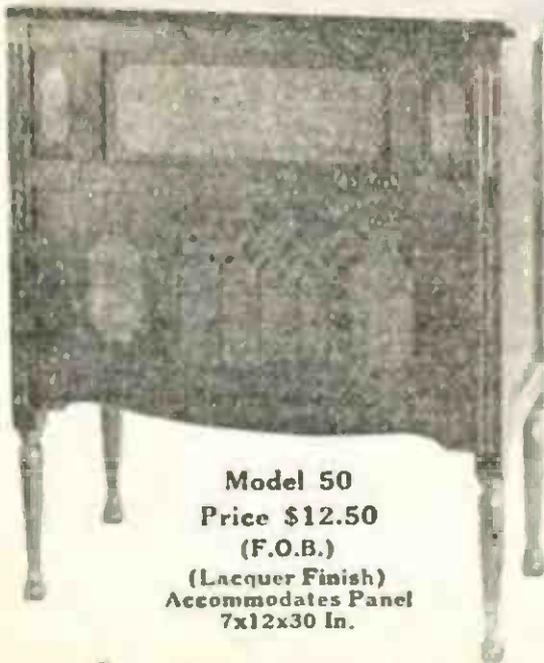
TWO PLANS CONSIDERED BY COMMISSION

The Federal Radio Commission, in their efforts to find a solution to the tangle, are considering two plans. The first, which was submitted by the American Engineering Council, provides for 75 super-power stations on 64 channels, and a very limited local service to cities on 25 channels.

The second plan, submitted by Edgar H. Felix of New York, is believed by its author to be a practical solution suited to immediate application. Mr. Felix's plan provides for four power classes, 50, 500, 5,000 and 50,000 watt stations, allowing for the simultaneous operation of a total of 437 stations, of which 330 are of the local classification and 97 of 500-watt or more.

SPECIAL!

THIS BEAUTIFUL CONSOLE



Model 50
Price \$12.50
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(Lacquer Finish)
Accommodates Panel
7x12x30 In.

Mail Orders Given Prompt Attention
JOHNSON'S CABINET WORKS
3635 Avalon Blvd. AX. 8662. Los Angeles
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Free for your name on a postcard



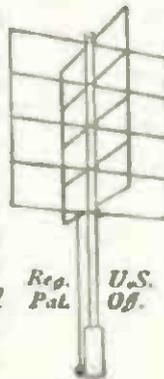
Don't fail to get full information about this sensational Radio Discovery. Send your name in Now

We do not recommend and have never sold anything except the GENUINE Preston Ground. Write today for our new folder describing the Preston Permanent Radio Ground. We will also send you copies of letters from people who have tried it. We sell on a MONEY BACK IF NOT SATISFIED BASIS. Nothing could be fairer than that. Write today.

Radio Test Laboratories
3036 Fifth Ave. Los Angeles

It will help get what you miss now

BECAUSE it is not affected by earth radiation and other interferences common to long, horizontal aerials, the GILCREST-CROSS Non-directional aerial is able to arrest tones in



music and voice otherwise lost. Or, so it is claimed by thousands of users all over America.

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24 inch - - - \$9.00
30 inch - - - 10.00

Prepaid anywhere

Rises 18 feet above roof. Made of heavy copper wire. Comes all ready to install.

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5 Tube Falck



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Plug in your light socket as you would your electric iron. No batteries, no acid, no muss, no fuss. Operates without aerial. One dial control. Something everybody wants, at a low cost. Cash credit for your old set.

Phone VE. 9589

For Home
Demonstration



EASY TIME PAYMENTS

FLETCHER

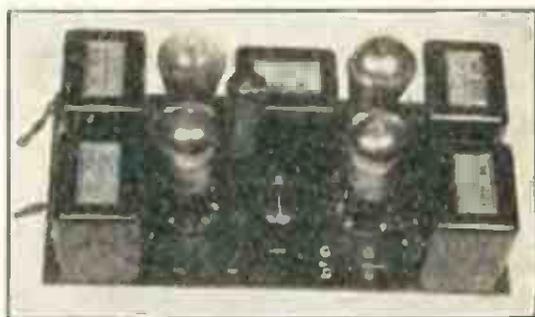
RADIO MUSIC CO.

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Los Angeles

New Silver-Marshall Power Pack

The use of the 310 power amplifier tube where undistorted quality of reproduction and great volume are desired has given rise to many problems in the design not only of the amplifier itself but also of the power supply unit.

In the Silver-Marshall power pack and power amplifier the audio frequency transformer and the output coupling



transformer are designed to compensate for the poor low note reproduction found in every popular loud speaker.

The power supply device is capable of supplying 400 volts plate potential to the 310 tube and at the same time 25 to 35 volts C bias, and A power for the tube as well. The filter system is so designed that the voltage regulation characteristics tend to maintain the voltage despite the great variation in plate current when a strong low-frequency signal is being amplified. Where this condition does not exist, fans have found that they could obtain no better quality from the 310 tube than from the 371 with but 150 volts B potential. The secret of perfect quality with the 310 depends upon the design of the power supply, and Silver-Marshall have found that through the use of two 316 B rectifier tubes in a full-wave rectifier circuit the voltage regulation is highly satisfactory.

Complete line of Silver-Marshall products is carried by the Radio Supply Co., 920 South Broadway, Los Angeles.

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of the

Famous Falck

NO-BATTERY RADIO

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HOLLYWOOD 1927
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Paramount Radio &
Electric Co.
5515 Santa Monica Blvd.
HEMPSTEAD 8473

Larchmont

Harding & Goodan
150 N. Larchmont
HOLLYWOOD 5085

Lincoln Heights

Frank Graves Sash, Door &
Mill Co.
2012 Pasadena Ave.
CAPITOL 2071

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Long's Radio Co.
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HUMBOLT 1323

Southeast

Tivoli Radio Shop
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HUMBOLT 2449

West Adams

H. H. Walker
1323 Venice Blvd.
BEACON 1311

Wilshire

Wolfe Radio
543 S. Western Ave.
WASHINGTON 5711

ALHAMBRA

Alhambra Music House
21 E. Main St.
ALHAMBRA 1754

CULVER CITY

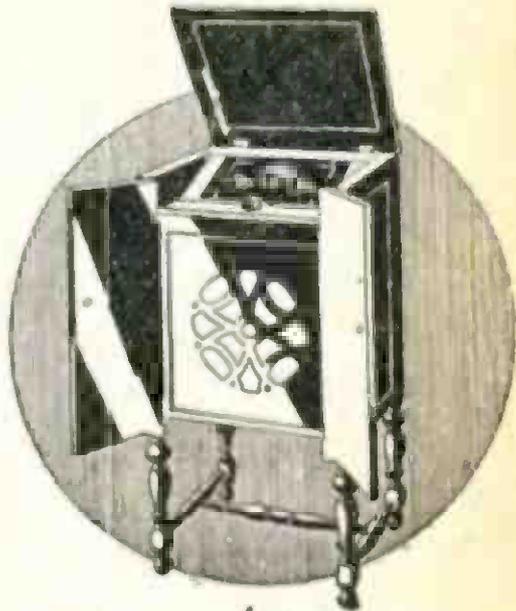
Culver City Radio Elec. Co.
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Culver City 3490

WATTS

Clark & Ischer
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DELAWARE 1254-R-1

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\$150 complete

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Will reduce summer static and all other extraneous noises now picked up by your antenna—**increase selectivity and clarify reception.**

Letters report remarkable results on Stromberg-Carlson, Kolster, Fada, Stewart-Warner, Radiola Superheterodyne, etc.

Manufactured by George E. Browning Co., Ogden, Utah

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Write, wire or telephone NOW for full details regarding the Anten-A-Liminator. Sales and profits on this number will surprise you. **DON'T DELAY.**



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 | | | | | | | | |
| SOUTHERN CALIFORNIA | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | X | X | X | X | | | | | | X | KELW | 835 | 250 | Burbank | | | | | | | | | | | | | | | | | | | |
| | X | X | | | | | | | | | | | X | X | | X | KGEF | 617 | 1000 | Los Angeles | | | X | 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 | | | | | | |
| | | | 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 | X | X | X | | | | | | |
| | X | X | | | | | | | | | | | | | | | KMIC | 327 | 500 | Inglewood | | | X | X | X | X | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | KFBC | 380 | 50 | San Diego | | | | X | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | X | X | X | X | KMYR | 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 | KFXB | 353 | 1000 | Los Angeles | 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 | 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 | | | |
| | 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 | | | | |
| | X | X | X | X | | | | | | X | X | X | X | | | | KFSG | 275 | 600 | Los Angeles | | | X | X | X | X | X | X | X | X | X | X | X | X | X | X | | | |
| | | | | | | | | | | | | | | | | | KWTC | 263 | 250 | Santa Ana | | | X | X | | | | | | | | | | | | | | | |
| | | | | | | | | X | X | | | | | | | | KFSB | 252 | 500 | Hollywood | | | | | | | 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 | 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 | KFON | 233 | 750 | Long Beach | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | | |
| | X | X | X | X | | | | | | | | | | | | | KPPC | 229 | 50 | Pasadena | | | X | X | X | X | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | KFQZ | 226 | 500 | Hollywood | | | | | X | X | 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 | X | X | X | X | X | | | |
| | X | | | | | | | | | | | | | | | | KFVD | 205 | 500 | Venice | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | | | |
| NORTHERN CALIFORNIA | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| X | X | | | | | | | X | X | X | X | | | | | | KPO | 428 | 1000 | San Francisco | 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 | | | | | | KGO | 361 | 4000 | Oakland | | | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | | |
| X | X | X | X | X | | | | | | | | | | | | | KQW | 333 | 500 | San Jose | | | | | X | X | X | X | | | | | | | | | | | |
| X | X | X | X | X | | | | | | | | | | | | | KTAB | 303 | 1000 | Oakland | | | | | X | X | X | | | | | | | | | | | | |
| | | | | | | | | | | | | | X | X | | | KFRC | 268 | 500 | San Francisco | X | X | X | X | X | | | | | | | | | | | | | | |
| | X | X | | | | | | | | | | | | | | | KFUS | 256 | 50 | Oakland | | | | | X | X | X | | | | | | | | | | | | |
| X | X | | | | | | | | | | | | | | | | KRE | 256 | 100 | Berkeley | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | X | X | X | | | | | | | KFWI | 260 | 500 | San Francisco | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | | |
| NORTHERN AND WESTERN STATES | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 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 | X | X | X | X | X | KEX | 447 | 5000 | Portland | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | |
| X | X | X | | | | | | | | | | | | | | | CFAC | 435 | 2000 | Calgary | | | | | | | | | | | | | | | | | | | |
| | X | X | | | | | | | | | | | | | | | KJR | 384 | 20M | Seattle | | | | | X | X | X | X | 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 | |
| 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 | X | X | X | |
| X | X | | | | | | | | | | | | | | | | KSL | 300 | 1000 | Salt Lake City | | | X | X | X | X | | | | | | | | | | | | | |
| X | X | X | | | | | | | | | | | | | | | KMO | 250 | 600 | Tacoma | X | X | | | | | | | | | | | | | | | | | |

Hours Shown as Submitted by These Stations. For DX Schedule See Page 42

B. T. 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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Westmore 1401

Los Angeles, Calif.

TUESDAY 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 |
| SOUTHERN CALIFORNIA | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | KELW | 635 | 250 | Barbent. | 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 | | | | | |
| | | | | | | | | X | X | | | | | | | | KHJ | 406 | 500 | Los Angeles | | X | X | X | X | X | X | X | X | X | |
| | | | | | | | | | | | | | | | | X | KMIC | 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 | X | X | X | KMTR | 370 | 500 | Hollywood | X | X | X | X | X | X | X | X | X | X | |
| | | | | | | | | | | | | | | | | | KFXB | 363 | 1000 | Los Angeles | 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 | |
| | | | | | | | | | | | | | | | | | KGER | 328 | 100 | Long Beach | X | X | | | X | X | X | X | | | |
| | | | | | | | | | | | | | | | | X | KPSN | 318 | 1000 | Pasadena | X | X | | | X | X | X | | | | |
| | | | | | | | | | | | | | | | | X | AMB | 301 | 100 | Tia Juana, Mex | | X | X | X | X | X | X | | | | |
| | X | X | X | | | | | | | | | | | | | | KFWC | 285 | 100 | San Bernardino | | | | | | | X | X | X | X | |
| | | | | | | | | | | | | | | | | | KTBI | 294 | 750 | Los Angeles | | X | X | X | X | | | | | | |
| | X | X | X | X | | | | | | | | | | | | | KFSG | 275 | 500 | Los Angeles | | X | 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 | X | |
| | | | | | | | | | | | | | | | | | KFSD | 246 | 1000 | San Diego | 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 | |
| | | | | | | | | | | | | | | | | | 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 | KFON | 233 | 750 | Long Beach | 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 | KFWO | 211 | 250 | Catalina | X | X | X | X | | | | | | | |
| | X | | | | | | | | | | | | | | | X | KFVD | 205 | 500 | Vanice | X | X | X | X | X | X | X | X | X | X | |
| NORTHERN CALIFORNIA | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | KLX | 509 | 500 | Oakland | | | | | 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 | KGO | 361 | 4000 | Oakland | X | X | X | | X | X | X | X | | | |
| X | | | | | | | | | | | | | | | | | KQW | 333 | 500 | San Jose | X | X | X | X | X | X | | | | | |
| | | | | | | | | | | | | | | | | X | KTAB | 303 | 1000 | Oakland | | X | X | X | X | X | X | | | | |
| | | | | | | | | | | | | | | | | | KSMR | 283 | 100 | Santa Maria | | X | X | 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 | |
| | | | | | | | | | | | | | | | | | KRE | 258 | 100 | Berkeley | | | | | | | X | X | | | |
| X | X | | | | | | | | | | | | | | | | KFWH | 254 | 100 | Eureka | | | | | X | X | X | | | | |
| | | | | | | | | | | | | | | | | | KFWI | 250 | 500 | San Francisco | X | X | X | | X | X | | | | | |
| | | | | | | | | | | | | | | | | | KZM | 240 | 100 | Oakland | | X | | | | | | | | | |
| NORTHERN AND WESTERN STATES | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| X | X | X | | | | | | | | | | | | | | | KGW | 461 | 1000 | Portland | X | X | X | X | X | X | X | X | X | X | |
| | | | | | | | | | | | | | | | | | KFOA | 454 | 1000 | Seattle | | X | X | X | X | X | X | X | | | |
| | | | | | | | | | | | | | | | | | KEX | 447 | 4000 | Portland | X | X | X | X | X | X | X | X | X | X | |
| | | | | | | | | | | | | | | | | X | CFAC | 435 | 2000 | Calgary | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | KFXF | 422 | 1000 | Denver | | X | X | X | X | X | X | X | X | X | |
| | | | | | | | | | | | | | | | | | KHQ | 394 | 1000 | Spokane | X | X | X | X | X | X | X | X | | | |
| X | X | X | | | | | | | | | | | | | | | KJR | 384 | 20M | Seattle | X | | | | | X | X | X | | | |
| | | | | | | | | | | | | | | | | | KLZ | 364 | 500 | Denver | | | X | X | X | X | | | | | |
| | | | | | | | | | | | | | | | | X | KOA | 322 | 5000 | Denver | X | | | | X | X | | | | | |
| | | | | | | | | | | | | | | | | X | KOIN | 316 | 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 | KOMO | 306 | 1000 | Seattle | X | X | | X | X | X | X | X | X | X | |
| | | | | | | | | | | | | | | | | | KSL | 300 | 1000 | Salt Lake City | X | X | X | X | X | X | | | | | |
| | | | | | | | | | | | | | | | | | KNRV | 291 | 8000 | Vancouver | | | | | X | | X | X | | | |
| | | | | | | | | | | | | | | | | | KOWW | 285 | 500 | Walla Walla | | | X | | | | | | | | |
| | | | | | | | | | | | | | | | | | KFJR | 283 | 50 | Portland | | | | | X | | X | | | | |
| X | X | | | | | | | | | | | | | | | | KMO | 250 | 500 | Tacoma | | X | X | | | | | | | | |
| | | | | | | | | | | | | | | | | | KFOX | 233 | 1000 | Seattle | | X | X | | | | | | | | |

Hours Shown as Submitted by These Stations. For DX Schedule See Page 42

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 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 | 6 00-6 30 | 6 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 | |
| SOUTHERN CALIFORNIA | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | KELW | 535 | 250 | Burbank | X | X | X | X | X | X | X | X | | | | |
| | | | | | | | | | | | | | | | | | | | | KGEF | 517 | 1000 | Los Angeles | X | X | X | X | X | X | X | X | | | |
| | | | | | | | | | | | | | | | | | | | | XKFI | 457 | 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 | | | |
| | | | | | | | | | | | | | | | | | | | | XKMIC | 387 | 500 | Inglewood | X | X | X | X | X | X | X | X | | | |
| | | | | | | | | | | | | | | | | | | | | KFBC | 380 | 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 | |
| | | | | | | | | | | | | | | | | | | | | XKFXB | 353 | 1000 | Los Angeles | 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 | |
| | | | | | | | | | | | | | | | | | | | | KPSN | 318 | 1000 | Pasadena | X | X | | | X | X | X | | | | |
| | | | | | | | | | | | | | | | | | | | | AMB | 301 | 100 | Tia Juana, Mex. | | | X | X | X | X | X | X | | | |
| | | | | | | | | | | | | | | | | | | | | KFWC | 296 | 100 | San Bernardino | X | | | | | | | | | | |
| | | | | | | | | X | X | | | | | | | | | | | KTBI | 294 | 750 | Los Angeles | 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 | | |
| | | | | | | | | | | | | | | | | | | | | KWTC | 263 | 250 | Santa Ana | | X | X | | | | | | | | |
| | | | | X | X | | | | | | | | | | | | | | | XKFWB | 252 | 500 | Hollywood | X | X | X | X | X | X | X | X | X | X | |
| | | | | | | | | | | | | | | | | | | | | KFSD | 248 | 1000 | San Diego | X | X | X | X | X | X | X | X | X | X | |
| | | | | | | | | X | X | X | X | X | | | | | | | | KNRC | 236 | 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 | KFON | 233 | 750 | Long Beach | X | X | X | X | X | X | X | X | X | X | |
| | | | | | | | | | | | | | | | | | | | | KFQZ | 226 | 500 | Hollywood | X | X | X | X | X | X | X | X | X | X | |
| | | | | | | | | | | | | | | | | | | | | KGFH | 219 | 100 | La Crescenta | | | | X | X | X | X | | | | |
| | | | | | X | X | | | | | | | X | X | | | | | | KFWO | 211 | 250 | Catalina | X | X | X | X | | | | | | | |
| X | | | | | | | | | | | X | X | X | X | | | | | | KFVD | 208 | 500 | Venice | X | X | X | X | X | X | X | X | X | X | |
| NORTHERN CALIFORNIA | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | KLX | 506 | 500 | Oakland | | X | | X | X | X | X | X | | | |
| X | | | X | X | X | | | | X | X | 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 | | | X | X | X | | | | | | | | | | | | | | KYA | 400 | 1000 | San Francisco | | X | X | | X | X | X | X | X | | |
| | | X | X | X | X | X | | | | | | | | | | | | | | KGO | 381 | 4000 | Oakland | X | X | X | | X | X | X | X | | | |
| X | | | | | | | | | | | | | | | | | | | | XKQW | 333 | 500 | San Jose | X | X | X | X | X | | | | | | |
| | | | | | | | | | | | | | X | X | | | | | | XKTAB | 303 | 1000 | Oakland | | | X | X | X | X | X | X | | | |
| | | | | | | | | | | | | | | | | | | | | KSMR | 283 | 100 | Santa Maria | | X | X | X | X | X | X | X | | | |
| X | X | X | 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 | | | | | | | | | | | | | | | | | | | XKRE | 256 | 100 | Berkeley | | | | | | | | | | | |
| X | X | | | | | | | | | | | | | | | | | | | KFWH | 254 | 100 | Eureka | | | | X | X | X | X | | | | |
| | | | | | | X | X | | | | | | | | | | | | | KFWI | 250 | 500 | San Francisco | X | X | X | | X | X | X | X | | | |
| | | | | | | | | | | | | | | | | | | | | KZM | 240 | 100 | Oakland | | X | | | | | | | | | |
| NORTHERN AND WESTERN STATES | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| X | X | X | | | X | X | X | X | | | | | | | | | | | | KGW | 401 | 1000 | Portland | X | X | X | X | X | X | X | X | X | X | |
| | | | X | X | X | X | | | | X | | | | | | | | | | KFOA | 464 | 1000 | Seattle | | X | X | X | X | X | X | X | X | X | |
| | | | | | | | | | | | | | | | | | | | | XKEX | 447 | 4000 | Portland | X | X | X | X | X | | | | | | |
| | | | | | | | | | | | | | | | | | | | | KFXF | 422 | 1000 | Denver | | X | X | X | X | X | X | X | X | X | |
| | | | | | | | | | | | | | | | | | | | | KHQ | 394 | 1000 | Spokane | X | X | X | | | X | X | X | X | X | |
| | | | | | | | | | | | | | | | | | | | | KLZ | 384 | 500 | Denver | X | X | | | | | | | | | |
| X | X | X | | | | | | | | X | X | | | | | | | | | XKJR | 348 | 20M | Seattle | 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 | X | X | |
| | X | X | | | | | | | X | X | X | X | X | X | X | X | X | X | X | XKQIN | 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 | XKOMO | 306 | 1000 | Seattle | 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 | | | | | |
| | | | | | | | | | | | | | | | | | | | | KNRV | 291 | 5000 | Vancouver, B. C. | | X | X | X | X | X | X | X | X | X | |
| | | | | | | | | | | | | | | | | | | | | KOWW | 285 | 500 | Walla Walla | | X | | X | X | X | X | X | X | X | |
| | | | | | | | | | | | | | | | | | | | | KOAC | 280 | 500 | Corvallis, Ore. | | X | X | X | X | | | | | | |
| X | X | | | | | | | X | X | X | X | | | | | | | | | KMO | 250 | 500 | Tacoma | X | X | X | X | | X | X | X | X | X | |
| | | | | | | | | | | | | | | | | | | | | KFOX | 233 | 1000 | Seattle | | | | | X | X | X | X | X | X | X |

Hours Shown as Submitted by These Stations. For DX Schedule See Page 42

For Your Protection ♦♦ We Changed Its Name

C.H. PRESTON'S

"DX"

Long Distance

Radio Ground

PATENT APPLIED FOR

It was inevitable that as soon as the Preston Radio Ground became popular . . . as soon as it had thoroughly demonstrated its efficiency . . . that any number of imitations would be put on the market under a wide variety of names . . . each shouting to the heavens that it would work miracles with any radio set. For this reason we have changed the name of the Preston Ground to the "C. H. Preston's Permanent Radio Ground." This name was selected for two reasons. First of all, we wanted to have a trademark that would contain the signature of C. H. Preston, the imitation of which could be prosecuted under the laws governing forgery. Secondly, we added the word "PERMANENT," because the Preston Ground IS a permanent ground. This claim can hardly be made for competitive products . . . it took Preston two years to develop a chemical formula that guarantees permanency for the Preston Permanent Radio Ground.

The Orange Label

Every package containing the genuine Preston Permanent Radio Ground will have attached to it an orange colored label bearing the signature of the inventor. This label, copyrighted under the laws governing copyrights, cannot be imitated or copied. The Preston Permanent Radio Ground is sold under a GUARANTEE of satisfactory performance or YOUR MONEY BACK without argument.

RADIO DEALERS WANTED

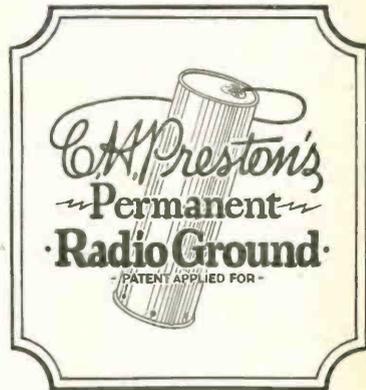
Hundreds of radio dealers are now selling, at a good profit, the Preston Permanent Radio Ground. Satisfactory selling arrangements can be made for you to handle the GENUINE Preston invention. You owe it to your customers to sell them, in good faith, a product that has a guarantee behind it. Write for discount proposition.

Distributors for Northern California, Wash. and Ore., THE SEROY CO., 122 Broadway, Oakland, California

UNGAR & WATSON, Inc.

Manufacturers

**1366 South Figueroa St
LOS ANGELES**



Look for Preston's Signature

On the label attached to the carton containing each Preston Permanent Radio Ground you will find the signature of the inventor certifying to its genuineness. This signature also appears on the label attached to the Preston Permanent Radio Ground itself. Protect your investment by insisting on the genuine Preston product.

FREE LITERATURE

Your name, on a postcard, will bring to you our folder which describes the Preston Permanent Radio Ground and tells what it will do towards improving radio reception for you. Do not be afraid to write for full particulars regarding this product and the money-back guarantee under which it is sold.

Schedule of DX Stations

| Call Letters | Location | W. L. Meters | Power Watta | 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 | | 4-8 | | | | 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 | |
| WKAF... | 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 | 6-7 | 5-7 | 5-7 | 6-9 | 6-9 | S. |
| WHK... | Cleveland | 273 | 1000 | 9-11 | 9-11 | 11-12 | | | 9-11 | 9-11 |
| KFAL... | Boise, Idaho | 280 | 750 | 5-7 | S. | 5-8 | 5-7 | 6-8 | 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 | 8-10 | 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 | 6-7 | 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 | | |
| WJW... | 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 | 5-11 | 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 | 6-6 | 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 | 6-9 | 5-8 | 5-8 | 5-8 | 5-8 | 5-7 |
| CYJ... | Mexico City | 410 | 1000 | 5-7 | | 5-8 | | 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. | 8-7 | 7-9 | 8-7 | 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 | 6-8 | 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

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

EXCEL



See the new popper, just the same only it has a nickel-plated finish. No change in price. Get one and enjoy some nice, tender, flaky, delicious popcorn made in a jiffy.

List Price \$2.75

Electric Cooker

See the Excel Cooker. It bakes, roasts, boils, stews, steams, and cooks cereals. There is practically no shrinkage in foods cooked in the Excel, especially meats and vegetables—they are cooked in their own natural juices. Makes them delicious and saves time and inconvenience. See one—you will buy it.

List Price \$10.00

Cook-Nichols Co.

482 South Fair Oaks Avenue
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LESLIE ADAMS
Announcer

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KFI

4000 WATTS—640 KILOCYCLES

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Class "B" 5000-Watt W. E. Sta., Operating on 4000 Watts

ROBERT HURD, Program Manager

DAILY EXCEPT SUNDAY—

6:15 p. m.—Radiotorial.

WEEK COMMENCING SUNDAY, APRIL 24, 1927

SUNDAY, APRIL 24

- 10:00 a. m.—Morning services by Los Angeles Church Federation.
5:00 p. m.—Vesper services.
6:00 p. m.—Old Time Program, with Eddie Parr and his Arkansas Orchestra.
6:58 p. m.—Father Ricard's Sunspot Weather forecast.
7:00 p. m.—Aeolian Organ Recital—Alex Reilly at the console.
8:00 p. m.—Packard Classic Hour.
9:00 p. m.—National Broadcasting Co. program. Bible story, "Samson and Delilah." Musical drama with symphonic orchestral accompaniment, broadcast over Orange Network.
10:00 p. m.—Packard Six Orchestra, Bill Hennessey, director; Dolly MacDonald, soloist; Esther Walker, pianist.

MONDAY, APRIL 25

- 5:30 p. m.—Ace of Clubs Orchestra; Ted Strong, director.
6:30 p. m.—Gamut Male Quartet.
7:00 p. m.—National Broadcasting Co. talk by Pres. Coolidge, from New York to American Newspaper Men's Assn., broadcast over the National Network.
8:00 p. m.—Joint Recital by Robert Hurd and Lorenz Steiner, Beethoven, Schumann and Richard Strauss; Grace Eaton Dow, pianist.
9:00 p. m.—Program of French music, with James Burroughs, Maurine Dyer.
10:00 p. m.—Program of semi-classical music.

TUESDAY, APRIL 26

- 5:30 p. m.—The Dragon Hawaiians.
6:30 p. m.—Bertha Miller English, pianist; Katherine and Malcolm Gurney, duets; Dorothy MacKerrall, mezzo soprano.
7:00 p. m.—Charles Lutz, tenor; Los Angeles Fire Dept. Orchestra.
8:00 p. m.—Gattono String Quartet; James Burroughs, tenor.
9:00 p. m.—Grace Mead, soprano; Maurice Woods, baritone.
10:00 p. m.—Azure Music Club; Edna Cook, Blues singer; Glenn Edmunds and his Collegians Dance Orchestra.

WEDNESDAY, APRIL 27

- 5:30 p. m.—Sebastians Cotton Club Orchestra.

- 6:30 p. m.—Harold Shock and his Rose Room Orchestra.
7:00 p. m.—Ray Fisher's Original Victorians Dance Orchestra.
7:30 p. m.—Nick Harris, Detective Stories.
8:00 p. m.—Calpet Male Quartet, Calpet Orchestra; Pryor Moore, director.
9:00 p. m.—Irene Wynn, contralto; Robert Young, pianist.
10:00 p. m.—Sunset Instrumental Quartet; Dorothy Ruth Miller, concert Pianist; Virginia McCoy, contra-contralto.

THURSDAY, APRIL 28

- 5:30 p. m.—Legion Night Club Orchestra.
6:30 p. m.—Clarice Russell and Leslie Adams.
7:00 p. m.—Program by the University of Southern California.
8:00 p. m.—KFI Drama Hour.
9:00 p. m.—Program arranged by Norma West, soprano.
10:00 p. m.—Program of modern classical music.

FRIDAY, APRIL 29

- 5:30 p. m.—Henry Starr, pianist and vocalist.
6:30 p. m.—Starke Sisters, harmony singers.
7:00 p. m.—Aeolian Organ Recital; Alex Reilly at the console.
8:00 p. m.—Program by Paul Roberts and Leslie Adams.
9:00 p. m.—Program by Alma Frances Gordon and Lilyan Ariel, pianist.
10:00 p. m.—Packard Ballad Hour; Fred Wesley, Bill Henry; Norma Bowers, soprano.

SATURDAY, APRIL 30

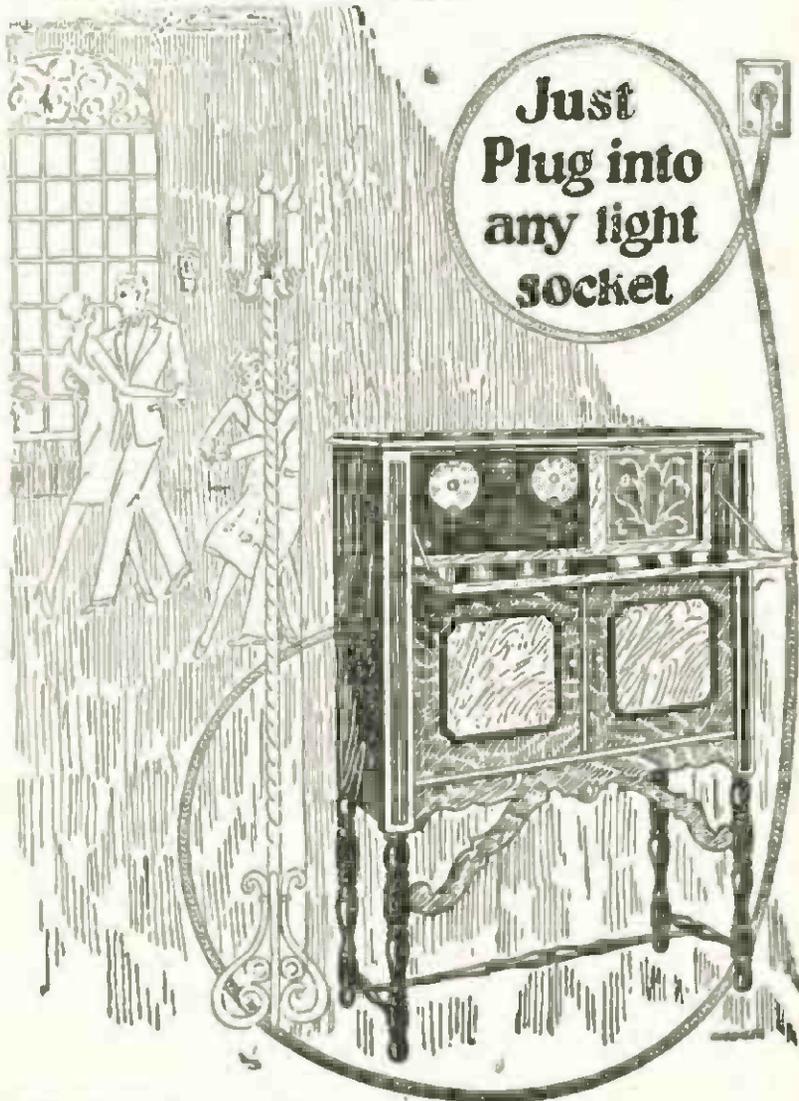
- 5:30 p. m.—Del Monte Orchestra.
6:30 p. m.—Collegiate Aeolians Dance Orchestra, Irene Langley.
7:30 p. m.—Felipe Delgado, Spanish baritone, with Edna Clark Mauri, pianist, Media Hora Espanola.
8:00 p. m.—Composers' Hour, by Alice Barnett, with Virginia Flohri, Robert Hurd, and the Keeney-Rowe Trio.
9:00 p. m.—Kitty Short, soprano; Thomas Wallace, baritone.
10:00 p. m.—Packard Radio Club; Esther Walker, pianist; Red Wyatt and his Uke; Helen Guest, Mule Hooper.
11:00 p. m.—KFI Midnight Frolic; Mosby's Dixieland Blue Blowers.

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8:00 to 8:30 p. m.—KHJ Concert Trio and J. Walter Leopold
7:30 p. m.—Scripture Reading.

WEEK COMMENCING SUNDAY, APRIL 24, 1927

SUNDAY, APRIL 24

- 10 a. m.—Dr. Gordon Palmer, pastor of South Park Baptist Church, will give the sermon from the KHJ studio.
10:30 a. m.—Morning service from the First Methodist Episcopal Church; Arthur Blakeley, organist.
7:00 to 8:00 p. m.—Evening service from the First Methodist Episcopal Church.
8:00 to 10:00 p. m.—Studio program presenting Frederick MacMurray, viola and violin; Grace Currey, harpist, and Louise Miller, pianist.

MONDAY, APRIL 25

Silent all day.

TUESDAY, APRIL 26

- 6:30 p. m.—Children's program presenting Queen Titania and her Sandman; Playground Department Harmonica Band; Geo. Kerr, mandolin soloist; Marguerite Bringham, "Nightingale," and others.
7:40 p. m.—H. M. Robertson, "Dogs."
8:00 to 9:00 p. m.—Popular program of KHJ artists.
9:15 p. m.—Harold Roberts' Golden State Band.

WEDNESDAY, APRIL 27

- 2:30 p. m.—Garden Talk by Fred C. McNabb.
6:30 p. m.—Children's hour with Dick Winslow, juvenile reporter; Lois Jane Campbell, "Brown Eyes"; Patricia Eccleston, "Little Daffodil"; Glenn Fitz, "Optimistic Mascot"; Viola Essen, "B. N.," and Vivian Marple, "Bluebell of KHJ."
7:40 p. m.—Dr. Mars Baumgardt.
8:00 to 10:00 p. m.—Surprise program to be announced later.
10:00 to 11:00 p. m.—Los Angeles Railway Orchestra.

THURSDAY, APRIL 28

- 6:30 p. m.—Children's program presenting Joyce Coad, "Little Red Riding Hood";

Dickie Brandon, juvenile reader; June Brandon, contralto; Jeanne De Bard, "Bonnie Jeanne of Radioland"; Rosetta Lewin, "Curly Locks," and pupils from Thompson School of Music.

7:40 p. m.—Dr. Phillip M. Lovell.

8:00 to 10:00 p. m.—Program de luxe with the famous oZelner Quartet; Leo H. Samsiper, Russian baritone; Louise Miller, pianist.

9:00 p. m.—Arthur Edwin Wake, vice-president and general manager of the Abraham Lincoln Home for Boys, will give a brief talk.

10:00 to 11:00 p. m.—Glenn Edmunds and his Varsity Four.

FRIDAY, APRIL 29

6:30 p. m.—Children's program with Roberts Bush, "Firefly of KHJ"; Henrietta Poland, "Forget-Me-Not"; Richard Hendrick, "Little Minister"; Margaret Bond, violinist; Bettiemae Pfeifferkorn, "Bob o' Link"; Catherine Cotter, "Sweetheart of Radioland," and Billy Lord, "Police Comrade."

7:40 p. m.—Thomas F. Ford, "Book Reviews."

8:00 to 10:00 p. m.—Music program.

9:00 p. m.—Talk on international relations.

SATURDAY, APRIL 30

6:30 p. m.—Children's program with Nona Clapp, "Sunshine Fairy"; Dolly Wright, "Dolly of Radioland"; Arthur Stevens, "King Arthur"; Marjorie G. Lowe, "June Bug"; Mercedes Marlowe, "Boy Girl"; Gabriel Bartold, cornet soloist, and others.
7:45 p. m.—Speaker for the American Green Cross.

8:00 to 10:00 p. m.—Old-time program with Mr. and Mrs. Benjamin Sears, old-time fiddler; E. A. Mulford, "Dixie Dan"; Mammie Lou of KHJ, and others.

9:00 p. m.—Talk on "Educational Banking" by B. R. Creer; "Trusts and Wills."

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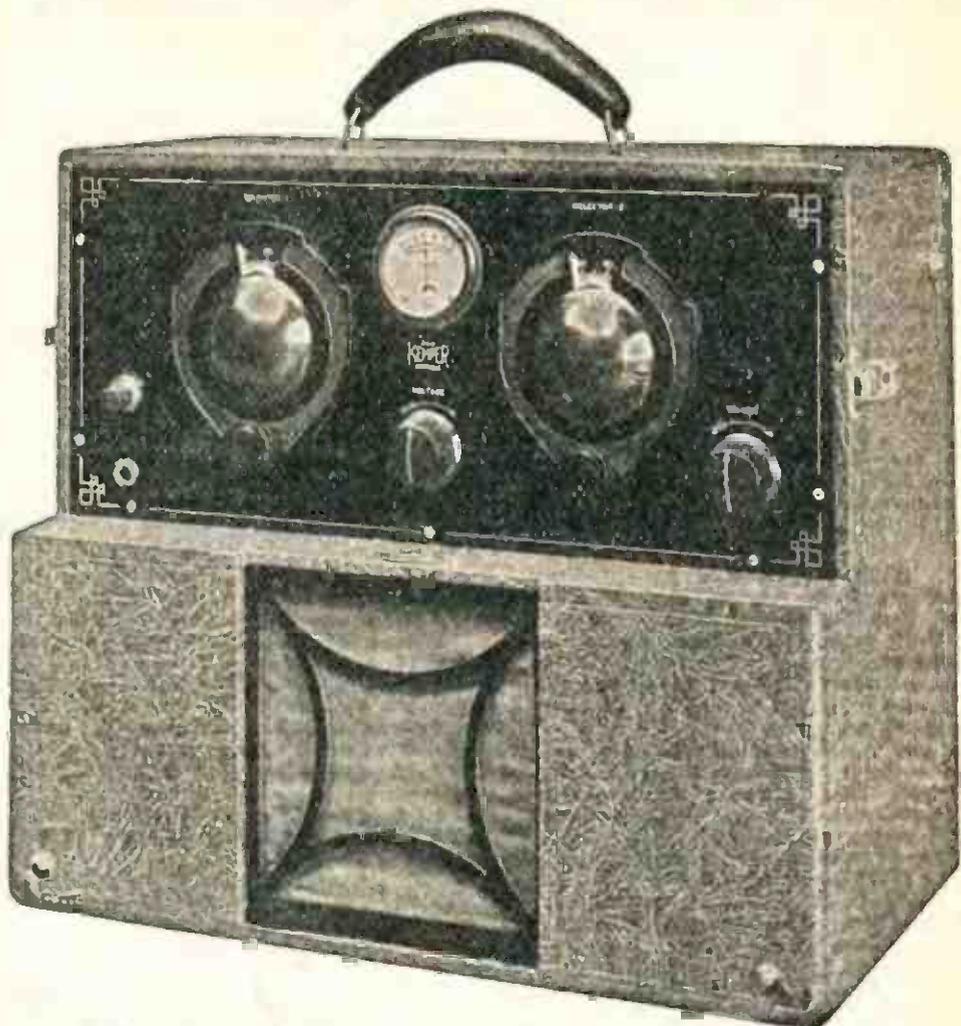
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6:45 to 8:00 a. m.—Exercises by Dr. P. M. Selzsa, courtesy of Producers of Mission Orange Juice.
8:00 a. m.—Inspirational talk and morning prayer.
8:55 a. m.—Time signals from Washington, D. C.
9:00 a. m.—Radio Shopping News by Carey Preston Rittmelater.
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.

12:00 noon—KNX Trio, courtesy Suburban Realty Co.

12:30 p. m.—W. F. Alder Travelogue.

2:00 p. m.—Radio Trades Association Program.

4:00 p. m.—Lost and Found Column.

4:55 p. m.—Market reports.

5:30 p. m.—Howard Clarke.

5:45 p. m.—The Town Tattler.

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, APRIL 24, 1927

SUNDAY, APRIL 24

10 a. m.—First Presbyterian Church of Hollywood, Rev. Stewart P. MacLennan.

2:00 to 4:00 p. m.—City Park Board musical program.

4:30 p. m.—Roberts Golden State Band.

5:15 p. m.—All Souls Church, Dr. Charles F. Aked speaking.

6:30 p. m.—First Unitarian Church.

7:00 p. m.—First Presbyterian Church of Hollywood, Rev. Stewart P. MacLennan.

8:00 p. m.—Circle Theatre Concert Orchestra and organ recital.

9:00 p. m.—Musical program.

MONDAY, APRIL 25

12:45 p. m.—C. P. R.'s musical program.

3:00 p. m.—First Presbyterian Church

4:30 p. m.—"Own Your Own Home," by Chet Mittendorf.

5:00 p. m.—Talk by E. C. Richardson on general business.

7:00 p. m.—George J. Birkel Music Co. presenting the Brunswick Panatrop.

7:30 p. m.—Playlet, courtesy Overell Furniture Co.

8:00 p. m.—L. W. Stockwell Co. courtesy program.

9:00 p. m.—Chet Mittendorf's Merrymakers.

10:00 p. m.—Earl Burnett's Biltmore Hotel Orchestra.

TUESDAY, APRIL 26

11:00 a. m.—Dr. R. H. Gerber, specialist, Evestrain and Nervousness.

12:45 p. m.—Broadcasting Advertising Club Luncheon from Hotel Biltmore.

4:00 p. m.—Radio Matinee with Louise Howatt, contralto.

4:30 p. m.—C. P. R.'s musical program.

7:00 p. m.—Wilshire Ionaco Company courtesy program.

7:30 p. m.—Fitzgerald Music Co. presenting the Ampico Knabe Piano.

8:00 p. m.—Tufts-Lyon Arms Co.

9:00 p. m.—Sparr Heights courtesy program.

10:00 p. m.—Hotel Ambassador, Gus Arnheim's Coconut Grove Orchestra.

WEDNESDAY, APRIL 27

12:45 p. m.—C. P. R.'s musical program.

3:00 p. m.—Paul Hugon.

3:30 p. m.—Don Warner, popular pianist, courtesy of Glendale Music Co.

4:00 p. m.—Garden talk, Dewey R. Kruckeberg of Theodore Payn's Nurseries.

4:15 p. m.—Joyce Coad.

4:30 p. m.—"Own Your Own Home," Chet Mittendorf.

7:00 p. m.—Birkel Music Co., presenting the Brunswick Panatrop.

7:30 p. m.—Jupiter Sales Corp. courtesy program.

8:30 p. m.—Feature program.

10:00 p. m.—Earl Burnett's Biltmore Hotel Orchestra.

THURSDAY, APRIL 28

12:45 p. m.—C. P. R.'s musical program.

4:30 p. m.—Louise Johnson, giving horoscopes.

7:00 p. m.—Carhay Circle Theatre organ

8:00 p. m.—National Home Equipment Co.

9:00 to 10:00 p. m.—Tucker & Charleonn

10:00 p. m.—Earl Burnett's Biltmore Hotel Orchestra.

FRIDAY, APRIL 29

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.—C. P. R.'s Musical Program.

4:30 p. m.—Boy Scouts' Musical Program.

7:00 p. m.—Fitzgerald Music Co. presenting the Ampico Knabe Piano.

8:00 p. m.—Davis Perfection Bread Co. courtesy program.

10:00 p. m.—Broadcasting Main Events from Hollywood American Legion Stadium.

SATURDAY, APRIL 30

12:45 p. m.—C. P. R.'s musical program.

3:00 p. m.—Town Crier of the Day

4:30 p. m.—"Own Your Own Home," Chet Mittendorf.

7:00 p. m.—Stories of Insect life by Harry W. McSpadden.

7:15 p. m.—Announcement of Sunday services of leading Los Angeles churches.

7:30 to 10:00 p. m.—Feature program.

10:00 p. m.—Earl Burnett's Biltmore Hotel Orchestra.

12:00 midnight—KNX Frolic

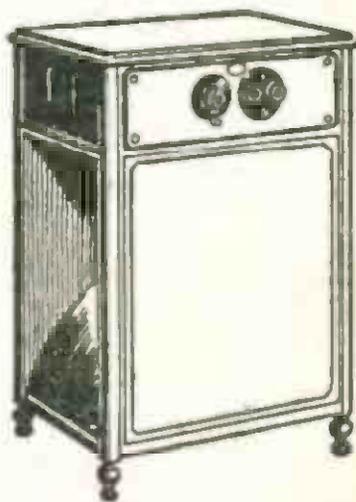
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DAILY EXCEPT SUNDAY—

- 12:30 to 1:30 p. m.—Classified Hour.
5:00 to 5:15 p. m.—Vacation Days.
6:00 to 7:00 p. m.—Pontiac Six Dinner Hour.
10:00 to 11:00 p. m.—Musical program from Mayfair Hotel.
Courtesy of Bundy & Albright.
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, APRIL 24, 1927

SUNDAY, APRIL 24

- 2:00 to 3:00 p. m.—Organ recital on the world's mightiest organ, located in Roosevelt Memorial Park, Los Angeles.
8:30 to 9:00 p. m.—Program by courtesy of the Southern California Music Company.
9:00 to 11:00 p. m.—Warner Bros. Frolic, introducing The Goofus Boys, Norm Rathert and Doc Hostetter, popular songs; Ann Grey, blues songs; LeRoy Kullberg and his ukulele; Frances St. George, KFWB jazzmanla girl; Harry G. Kelper and his Movieland Orchestra.

MONDAY, APRIL 25

- 9:50 to 10:30 a. m.—Georgia O. George on "Physiology and Psychology of Beauty."
1:30 p. m.—Mabel Leonard's surprise program.
7:00 to 8:00 p. m.—Program by courtesy of J. N. Pyles National Detective Service, introducing June Parker, blues songs; Pyles National Detectives Hawaiian Quartette; Mr. J. N. Pyles will give a brief talk.
8:00 to 9:00 p. m.—Program by courtesy of Suburban Realty Company, Glendale.
9:00 to 10:00 p. m.—Vernon Rieckard, tenor, and Warner Bros. European Novelty Orchestra, under direction of Chico DeVerde.

TUESDAY, APRIL 26

- 1:30 to 2:10 p. m.—Georgia O. George on "Physiology and Psychology of Beauty."
2:10 p. m.—Mabel Leonard's surprise program.
7:00 to 7:30 p. m.—Program by courtesy of the Consolidated Cleaners and Dyers, introducing their string trio and John Ganton, tenor.
7:30 to 8:00 p. m.—Program by courtesy of the Southern California Music Company.
9:00 to 10:00 p. m.—Lilyan May Challen-

ger, contralto; Hollywood Orchestral Quartette.

WEDNESDAY, APRIL 27

- 7:00 to 7:30 p. m.—Thirty minutes of sunshine by Charles W. Hamp.
7:30 to 8:00 p. m.—Warner Bros. Orchestra.
8:00 to 9:00 p. m.—Program by courtesy of Stewart-Warner Products, Inc.
9:00 to 10:00 p. m.—Badger & Mueseler, novelty team! Dan Santos Wawaiian Trio.

THURSDAY, APRIL 28

- 1:30 to 2:10 p. m.—Georgia O. George on "Physiology and Psychology of Beauty."
2:10 p. m.—Mabel Leonard's surprise program.
7:00 to 7:30 p. m.—Program by courtesy of the Southern California Music Company.
7:30 to 8:15 p. m.—Warner Bros. Orchestra
8:15 to 9:00 p. m.—Mabel Leonard and Howard Stevenson, in double piano numbers; Jackie Lucas, blues songs.
9:00 to 10:00 p. m.—Eileen Johnson, soprano; Ray Bailey's String Trio.

FRIDAY, APRIL 29

- 7:00 to 7:50 p. m.—Sol Hoopii's Hawaiian Quartette; Ruth Michaels, in blues songs;
3:00 to 9:00 p. m.—Franklyn Colson, tenor; Ray Hall and Earl Taylor,
9:00 to 10:00 p. m.—Russian Quintette; Julius Phillips, tenor; Studio Chatter at 9:30.

SATURDAY, APRIL 30

- 7:00 to 8:00 p. m.—Carl Dye and his Melody Makers; Virginia King, blues songs.
8:00 to 9:00 p. m.—Program by courtesy of the Mono Motor Oil Company, introducing Ernest Burley, tenor;
9:00 to 10:00 p. m.—Henry Halstead and his orchestra by remote control from the El Patio Ballroom.

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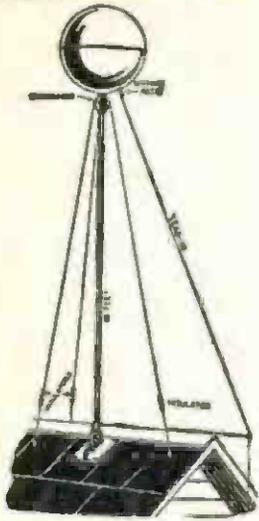
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DAILY EXCEPT SUNDAY—

- 7:00 to 7:30 a. m.—Prof. Barclay L. Severn's Setting-Up Exercises.
8:45 to 9:00 a. m.—Time signals and musical selections.
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.—KMTR Tea Dinner Program.
5:30 to 6:00 p. m.—White King Male Quartet courtesy Los Angeles Soap Co.
6:00 to 6:15 p. m.—Nightly Doings.
6:15 to 6:45 p. m.—Rancho Vista Avocado courtesy program
6:45 to 7:30 p. m.—Fitzgerald Music Company, courtesy program.
10:00 to 11:00 p. m.—Miller's Cafe Lafayette Dance Orchestra.

WEEK COMMENCING SUNDAY, APRIL 24, 1927

SUNDAY, APRIL 24

- 5:30 to 6:15 p. m.—White King Male Quartet, courtesy of Los Angeles Soap Company.
6:15 to 6:30 p. m.—Nightly Doings.
6:30 to 7:00 p. m.—Half hour of Cheer with Burr McIntosh.
7:00 to 8:00 p. m.—Miller's Cafe Lafayette Concert Orchestra.
8:00 to 9:30 p. m.—Walker's Fifth Street Store courtesy program.

MONDAY, APRIL 25

- 11:45 to 12:00 noon—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 Pomona.
4:00 to 4:30 p. m.—Talk by J. P. Redding, representing the Iona Company.
7:30 to 8:00 p. m.—Ohrmund Bros., furnace manufacturers, courtesy program.
8:00 to 9:00 p. m.—Eureka Vacuum Cleaner Co. courtesy program.
9:30 to 10:00 p. m.—Hollywood Storage Co. courtesy program.

TUESDAY, APRIL 26

- 9:00 to 9:45 a. m.—Sylvia, the Blind Cook.
9:45 to 10:00 a. m.—Charles Hamp, representing the Iona Company.
10:00 to 11:00 a. m.—Georgia O. George: "The Psychology and Physiology of Beauty."
11:00 to 12:00 noon—Madame Alene's talk.
12:30 to 1:30 p. m.—Who's Who and What's Happening in Whittier.
4:00 to 4:30 p. m.—Advance Elect. Co. courtesy program.
4:30 to 5:15 p. m.—LeRoy Parry and his dance orchestra.
5:15 to 5:30 p. m.—Talk on health by Dr. Robert T. Williams.
7:30 to 8:00 p. m.—Overell Furniture Co. courtesy program.
8:00 to 9:00 p. m.—Maxwell House Coffee Co. courtesy program.
9:00 to 10:00 p. m.—Hollywood Storage Co. courtesy program.

WEDNESDAY, APRIL 27

- 10:00 to 10:30 a. m.—Travel talk by Dr. S. J. Mathieson.
12:30 to 1:30 p. m.—Who's Who and What's Happening in Anaheim.
5:00 to 5:30 p. m.—Dr. Wesley M. Barrett. "Perfect Eyesight Without Glasses."

- 7:30 to 8:30 p. m.—Walker's Fifth Street Store courtesy program.
8:30 to 10:00 p. m.—Suburban Realty Company courtesy program.

THURSDAY, APRIL 28

- 9:00 to 10:00 a. m.—Sylvia, the Blind Cook.
10:00 to 10:15 a. m.—Charles Hamp, representing the Iona Company.
10:15 to 10:45 a. m.—"Diet Question Box."
10:45 to 11:45 a. m.—Georgia O. George, "Psychology and Physiology of Beauty."
11:45 to 12:00 noon—Golf talk by S. E. Connolly of the Los Angeles Athletic Club.
4:00 to 4:30 p. m.—Talk by J. P. Redding, representing the Iona Company.
7:30 to 8:00 p. m.—Winslow B. Felix, Chevrolet dealer, courtesy program.
8:00 to 9:00 p. m.—A. D. Shotwell Corp. courtesy program.
9:00 to 10:00 p. m.—Hollywood Storage Co. courtesy program.

FRIDAY, APRIL 29

- 8:00 to 10:00 a. m.—Broadcast from "Breakfast Club."
12:30 to 1:30 p. m.—Who's Who and What's Happening in Santa Ana.
4:00 to 4:30 p. m.—Advance Elect. Co. courtesy program.
5:00 to 5:30 p. m.—Dr. Wesley M. Barrett. "Perfect Eyesight Without Glasses."
7:30 to 8:00 p. m.—Thirty Minutes of Sunshine with Charles Hamp.
8:00 to 9:00 p. m.—Walker's Fifth Street Store courtesy program.
9:00 to 10:00 p. m.—Hollywood Storage Co. courtesy program.

SATURDAY, APRIL 30

- 9:00 to 10:00 a. m.—Sylvia, the Blind Cook.
10:00 to 10:15 a. m.—Charles Hamp, representing the Iona Company.
11:30 to 12:00 noon—Gordon Whitnall of the City Planning Commission.
4:00 p. m.—Radio talk to Radio Fans by Forbes Van Why, Chief Engineer KMTR.
7:30 to 7:40 p. m.—Talk by Mr. Beneah of the Sheriff's Office.
7:40 to 8:00 p. m.—KMTR Movie Club.
8:00 to 8:30 p. m.—Lun Park courtesy program; Loren Powell's Little Symphony.
8:30 to 10:00 p. m.—Hollywood Storage Co. courtesy program.
10:00 to 12:00 midnight—Miller's Cafe Lafayette Dance Orchestra.

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BERTRAM O. HELLER, Technical Director
"In the Center of Greater Los Angeles"

DAILY EXCEPT SUNDAY—

- 10:00 to 11:00 a. m.—Hatch Graham's hour.
11:00 to 12:00 a. m.—Baron Keyes diversities.
2:00 to 4:00 p. m.—Program by remote control from Palais de Dance, featuring Ralph Markey and his Musical Keys.
4:00 to 5:00 p. m.—Educational hour.
5:00 to 5:45 p. m.—Sundown Frolic.
5:45 to 6:00 p. m.—Amusement suggestions.
6:00 to 7:00 p. m.—Pipe organ recital by remote control from the studio of Albert Hay Malotte.
10:00 to 11:00 p. m.—Palais de Dance and Ralph Markey and his Musical Keys.

WEEK COMMENCING SUNDAY, APRIL 24, 1927

SUNDAY, APRIL 24

- 4:00 to 5:00 p. m.—Bud Riley's Hawaiian Conservatory of Music—uke and steel guitar.
5:00 to 6:00 p. m.—KFXB Collegians
6:00 to 7:00 p. m.—Westlake School of Music, piano, voice, classical.
7:00 to 8:00 p. m.—Johnnie Mitch—Hell's Ebony Idols—Jazz Band.
8:00 to 9:00 p. m.—Aeolian String Trio—violin, piano, cello, voice.
9:00 to 10:00 p. m.—Leroy Perry and his Elite Dance Orchestra.

MONDAY, APRIL 25

- 7:00 to 8:00 p. m.—Sam Caldwell, director Symphony Orchestra.
8:00 to 8:30 p. m.—Yvonne Trio—violin, piano, cello; Violin Anee Mayot, baritone.
8:30 to 9:00 p. m.—Charles Diamond, steel guitar.
9:00 to 10:00 p. m.—Pope and his Californians, dance band; Ruth Michaelson.

TUESDAY, APRIL 26

- 7:00 to 7:30 p. m.—Star Furniture Co., California Banjo Boys; Ruth Michaelson, singer; J. T. Rumbles, baritone.
7:30 to 8:00 p. m.—KFXB Collegians.
8:00 to 9:00 p. m.—James Mulligan, tenor; Aeolian Trio, violin, piano, cello.
9:00 to 10:00 p. m.—KFXB Collegians, dance orchestra; Melody Malda; blue singer.

WEDNESDAY, APRIL 27

- 7:00 to 8:00 p. m.—May Co. Orchestra, Lou and Ann Morris, Red Wyatt, Tudor Owens.
8:00 to 9:00 p. m.—Eileen Johnson, soprano.
9:00 to 10:00 p. m.—Art Clark, dance orchestra; Ruth Michaelson, blue singer.

Program Published as Submitted by the Station.

THURSDAY, APRIL 28

- 7:00 to 7:30 p. m.—Radio Mfg. Supply Co., courtesy program.
7:30 to 8:15 p. m.—Louis N. Meyers Orchestra.
8:15 to 9:00 p. m.—Stark Sisters.
9:00 to 10:00 p. m.—Bell Post American Legion.

FRIDAY, APRIL 29

- 7:00 to 8:00 p. m.—KFXB Collegians; Ruth Michaelson, blue singer.
8:00 to 9:00 p. m.—Kjerulf Trio; Chas. Halford, tenor, and Chas. Myers, pianist.
9:00 to 9:30 p. m.—KFXB Collegians, orchestra.
9:30 to 10:00 p. m.—Jacques le Quesne and Raphael Zarway.

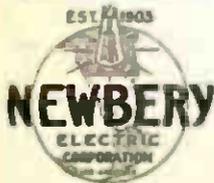
SATURDAY, APRIL 30

- 7:00 to 7:20 p. m.—Major Hammond, explorer and adventurer.
7:20 to 8:00 p. m.—Novelty Duo, Earl Lawrence and Marion Boogar.
8:00 to 10:00 p. m.—Police Frolic, California Banjo Boys, Bill Livingston and Radio Boys.

SUNDAY, MAY 1

- 4:00 to 5:00 p. m.—Bud Riley's Hawaiian Conservatory of Music and pupils.
5:00 to 6:00 p. m.—KFXB Collegians, California Banjo Boys.
6:00 to 7:00 p. m.—Yvonne String Trio; Ida Schute, soprano.
7:00 to 8:00 p. m.—Johnnie Mitch—Hell's Ebony Idols—Jazz Band.
8:00 to 9:00 p. m.—Moody Trio; Lucille Ray, contralto.
9:00 to 10:00 p. m.—Leroy Parry, Elite Orchestra, Stark Sisters.

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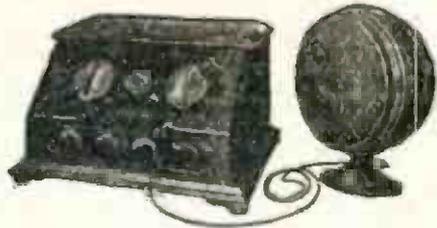
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DAILY EXCEPT SUNDAY—

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, APRIL 24, 1927

SUNDAY, APRIL 24

10:45 a. m. to 12:30 p. m.—Regular service of the Church of the Open Door.

3:00 to 4:00 p. m.—Jewish Radio Hour, Biblical Exposition by Rev. David L. Cooper.

6:00 to 7:00 p. m.—Radio Vesper Service; sermon by Rev. James H. Hutchins.

7:15 to 9:30 p. m.—Regular evening service of the Church of the Open Door. Sermon by Dr. John McNeill.

MONDAY, APRIL 25

8:00 to 9:00 p. m.—Bible Exposition by Rev. M. S. Cairns, evangelist.

TUESDAY, APRIL 26

8:00 to 9:00 p. m.—Evening program presented by Rev. H. J. Roberts, Secretary of "Word of Life Assn."

8:00 to 9:00 p. m.—Biblical Exposition by Dr. John McNeill.

WEDNESDAY, APRIL 27

8:00 to 9:00 p. m.—Bible Exposition by Rev. B. F. Fellman.

THURSDAY, APRIL 28

8:00 to 9:00 p. m.—Bible Exposition by Rev. B. F. Fellman.

FRIDAY, APRIL 29

6:15 to 7:00 p. m.—Aunt Martha's Children's Hour.

7:00 to 8:00 p. m.—Exposition of International Sunday School lesson by Rev. John A. Hubbard.

8:00 to 9:00 p. m.—Biblical Exposition by Dr. John McNeill.



G. N. NICHOLS
Announcer

Los Angeles, California—275.1 Meters

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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, APRIL 24, 1927

SUNDAY, APRIL 24

10:30 to 12:30 p. m.—Sunday morning worship. Aimee Semple McPherson; Charlotte Tyson Foljambe, soprano; Temple organ and chimes played by Esther Fricke Greene. Quartets and soloists.

2:30 to 4:30 p. m.—Afternoon Dispensational service by Aimee Semple McPherson.

6:30 to 8:00 p. m.—Musical Hour. Angelus Temple Band and choir.

8:00 to 9:30 p. m.—Revival service by Aimee Semple McPherson.

10:00 to 11:00 p. m.—Organ recital by Esther Fricke Greene.

TUESDAY, APRIL 26

3:30 to 4:30 p. m.—Vesper Hour. Organ recital by B. Earnest Ballard.

7:30 to 9:30 p. m.—Evangelistic services by Student Evangelists.

WEDNESDAY, APRIL 27

7:30 to 9:30 p. m.—Regular mid-week prayer service by Aimee Semple McPherson.

THURSDAY, APRIL 28

3:30 to 4:30 p. m.—Vesper Hour. Organ recital by B. Earnest Ballard.

7:30 to 9:30 p. m.—Regular Water Baptismal service by Aimee Semple McPherson.

9:15 to 10:00 p. m.—Gray Studio program. Merlin Kyle, flutist; Herbert Morley, tenor; Ladies' Quartette.

10:00 to 11:00 p. m.—Organ recital by Esther Fricke Greene.

FRIDAY, APRIL 29

3:30 to 4:30 p. m.—Vesper Hour. Organ recital by Esther Fricke Greene.

7:30 to 9:30 p. m.—Crusader Rally. Sermon by Aimee Semple McPherson.

10:30 to 11:00 p. m.—Back Home Hour. Angelus Temple Band, directed by Gladwyn N. Nichols; Mrs. C. D. Smith, xylophonist.

SATURDAY, APRIL 30

3:30 to 4:30 p. m.—The Children's Happy Hour. Program arranged by Children's Evangelist Estelle Jones; Dorris Simmons, reader; Freddy Thea, violinist; Richard Kelly; Children's Orchestra.

7:30 to 9:30 p. m.—Divine Healing service, conducted by Aimee Semple McPherson.



Dave Ward

Hollywood, California—226 Meters

KFQZ

1841 North Argyle Ave., Hollywood, California
 GLadstone 3197; GLadstone 3198
 DAVE WARD, Program Director and Announcer
 L. E. TAFT, Technical Engineer
 "The Palace Hungarow 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, APRIL 25, 1927

MONDAY, APRIL 25

7:00 p. m.—Sylvia Harding Trio, Florence Purdy, soloist.

8:00 p. m.—Barrows Motor Co. program.

9:00 p. m.—Semi-Classical Hour, presented by Myra Velle Vickers.

10:00 p. m.—Bob Buckner's Sole Killers, Helen McColl.

TUESDAY, APRIL 26

7:00 p. m.—Marion Boogar and Earl Lawrence, "The Novelty Duo"; Peterson Overbeck and Sherry, "The Campus Trio."

8:00 p. m.—Neapolitan 4, Katherine Williams.

9:00 p. m.—Joey Starr's Orchestra, Ned Miller.

WEDNESDAY, APRIL 27

7:00 p. m.—Sylvia Harding Trio, Florence Purdy.

8:00 p. m.—Clint Stevenson's Hawaiian Trio, Ed Pose.

9:00 p. m.—Dance orchestra and soloists.

THURSDAY, APRIL 28

7:00 p. m.—Leslie E. Taft on Radio.

8:00 p. m.—Barrows Motor Co. Program.

9:00 p. m.—Los Angeles Railway Orchestra.

FRIDAY, APRIL 29

12:00 noon—Greenwich Village Cafe Orchestra.

7:00 p. m.—American Hawaiian Trio, Al Flanigan, Margaret Ruth Kernan.

8:00 p. m.—Joey Starr's Orchestra, Buddy Helwig.

9:00 p. m.—Bob Buckner's Sole Killers and Helen McColl.

SATURDAY, APRIL 30

12:00 noon—Paris Inn Cafe Orchestra, Bert Roverre.

7:00 p. m.—Dinner Dance Hour.

8:00 p. m.—Jamgochian Radio Players.

9:00 p. m.—Dance orchestra, soloists.

SUNDAY, MARCH 1

8:00 p. m.—Columbia Viva-Tonal Recordings.

9:00 p. m.—Neapolitan 4; Virginia and Marble King.

Signing Off Nightly at 11 p. m.

Program Published as Submitted by the Station.

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 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, APRIL 24, 1927

SUNDAY, APRIL 24

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, APRIL 25

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

TUESDAY, APRIL 26

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

THURSDAY, APRIL 28

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

FRIDAY, APRIL 29

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

SATURDAY, APRIL 30

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

Program Published as Submitted by the Station.



Jack Duckworth
Announcer

Inglewood, California—387 Meters

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DAILY EXCEPT SUNDAY—

6:00 to 7:00 p. m.—Shopping news, with Victor Electrola Review.

WEEK COMMENCING SUNDAY, APRIL 24, 1927

SUNDAY, APRIL 24

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

Wes Woodford and his Bachelor Four;
Geraldine Gordon, baritone;

THURSDAY, APRIL 28

7:00 to 7:30 p. m.—Studio program.

7:30 to 8:00 p. m.—Ross O. Porter Tire Co. courtesy program, with the Six Syncopettes. Larry and Verne Cannon, harmony; Bill Henry and Helen McColl; Fred Wesley.

8:00 to 8:30 p. m.—Inglewood Furniture Co. courtesy program, with Waterbury's Syncopettes: Jimmie Collins, tenor; Doc Williams, the wandering minstrel of the air; Neva Negis, warbler.

8:30 to 10:00 p. m.—Studio program.

FRIDAY, APRIL 29

7:00 to 7:30 p. m.—Studio program.

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

8:00 to 8:30 p. m.—H. R. McCellen Duco Co. courtesy program, with Jack Lempke and his Radio Boys: Geo. and Harry, ukes and harmony; Fred Wesley, blues; Carol Agnew, pianist.

8:30 to 8:45 p. m.—The Little Ant Man.

8:45 to 10:00 p. m.—Studio program.

10:00 to 12:00 p. m.—Inglewood Post No. 186, American Legion Frolic.

SATURDAY, APRIL 30

7:00 to 8:00 p. m.—Studio program; Larry and Verne Cannon, buddies in harmony; Bud Riley, tenor guitar.

8:00 to 9:00 p. m.—Bill Livingston and his Radio Boys; Evie and Peggy, KMIC harmony girls; Neva Negis, warbler.

9:00 to 10:00 p. m.—Studio program; Bill Henry and Dov Williams.

MONDAY, APRIL 25

7:00 to 8:00 p. m.—Lambert Sales Co. Courtesy Program with Eddie Hoffman and his Radio Boys—Geraldine Gordon

8:00 to 9:00 p. m.—City of Inglewood program with KMIC Concert Orchestra.

9:00 to 9:30 p. m.—Geo. M. Sutton courtesy program with Eddie Hoffman and his Radio Boys—Don Miner, tenor; Louise White, soprano.

9:30 to 10:00 p. m.—Studio program.

TUESDAY, APRIL 26

7:00 to 7:15 p. m.—Skinner Mfg. Co. courtesy program.

7:15 to 7:45 p. m.—Reliable Radio Sales & Service Co., courtesy program, with Milt Gardner and his Radio Boys—Larry and Verne Cannon, harmony—Doc Williams.

7:45 to 8:00 p. m.—The Little Ant Man.

8:00 to 8:30 p. m.—H. R. McCellen Duco Co., courtesy program, with Martin Wallace Orchestra—Abe Jacobson, Bill Henry, Geo. Thieroy, Harry Von Zell, Jimmy Collins, Neva Negis, warbler.

8:30 to 10:00 p. m.—Studio program.

WEDNESDAY, APRIL 27

7:00 to 7:30 p. m.—Studio program.

7:30 to 8:00 p. m.—Malloy-Clint, courtesy program, with Wes Woodford and his Bachelor Four.

8:00 to 8:30 p. m.—Lindburg Studio of Photography, courtesy program, with L. A. R. R. Orchestra or String Quartette.

8:30 to 10:00 p. m.—Studio program, with

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C. C. HOOPER, Manager

M. J. HANKINS, Technician

WEEK COMMENCING SUNDAY, APRIL 24, 1927

10:45 a. m. to 12:30 p. m.—Morning service.

5:00 to 6:00 p. m.—Vesper services.

7:00 to 8:00 p. m.—The Trinity Choir musical program.

8:00 to 9:00 p. m.—Bob Shuler's sermon.

9:00 to 10:00 p. m.—Old Songs Quartet.

10:00 to 10:30 p. m.—Family Altar service.

7:45 to 8:30 p. m.—Ellie Rhodes Singers.

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

9:30 to 10:00 p. m.—Musical program.

FRIDAY, APRIL 29

6:30 to 7:00 p. m.—Greendross Forest Preserve program.

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

7:30 to 8:00 p. m.—Regler Fellers S. S. Class

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

8:30 to 9:30 p. m.—Sou. Calif. Holiness Association.

9:30 to 10:00 p. m.—Musical program.



E. C. Huchabee

TUESDAY, APRIL 26

6:30 to 7:00 p. m.—Brunswick Panatropé concert.

7:00 to 7:30 p. m.—Dr. Howard Kelley of Johns Hopkins University.

7:30 to 8:00 p. m.—Dr. J. A. B. Fry's Bible Class.

8:00 to 8:30 p. m.—Los Angeles Church Federation.

8:30 to 9:00 p. m.—Citizens Eagle Rock

WEDNESDAY, APRIL 27

6:00 to 6:45 p. m.—Dorothy Spencer's Children's Hour.

6:45 to 7:45 p. m.—O. D. Conrey's Bible Class.



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Announcer

Santa Monica, California—238 Meters

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"The Station with a Smile"

DAILY EXCEPT SUNDAY—

4:00 to 4:45 p. m.—Smiling Circle with Tom.
2:00 to 2:30 p. m.—Shopping Tour,
2:30 to 4:00 p. m.—Santa Monica Municipal Band.
6:00 to 7:00 p. m.—Club Casa Del Mar.
7:00 to 8:00 p. m.—Merchants Preview Hour.
10:00 to 11:00 p. m.—Club Casa Del Mar.
11:00 to 12:00 p. m.—La Monica Ballroom Orchestra.

DAILY EXCEPT MONDAY—

8:00 to 9:00 p. m.—Band Concert.
2:30 p. m.—Band Concert.

WEEK COMMENCING SUNDAY, APRIL 24, 1927

SUNDAY, APRIL 24

10:45 to 11:45 a. m.—Pilgrim Lutheran Church Services, remote control.
2:30 to 4:00 p. m.—Santa Monica Municipal Band Concert.
5:15 to 6:15 p. m.—The Pirate Band.
6:15 to 7:00 p. m.—Pilgrim Lutheran Church Services, remote control.
7:00 to 8:00 p. m.—Club Casa Del Mar, remote control.
8:00 to 9:00 p. m.—Santa Monica Municipal Band Concert.
9:00 to 10:00 p. m.—Club Casa Del Mar, remote control.
10:00 to 11:00 p. m.—La Monica Ballroom Orchestra, remote control.

MONDAY, APRIL 25

8:00 to 10:00 p. m.—Main Studio program, featuring the Black and Tan Orchestra.

TUESDAY, APRIL 26

3:00 to 3:15 p. m.—Bay Builders' Exchange Booster program.
8:00 to 9:00 p. m.—Santa Monica Municipal Band Concert.
9:00 to 10:00 p. m.—Main Studio program, featuring the Southern Dons Orchestra; Novelty Duo, Marion Boogar and Earl Lawrence.

WEDNESDAY, APRIL 27

3:00 to 3:15 p. m.—Bay Builders' Exchange Booster program.
7:30 p. m.—Talk by Undersheriff Eugene Biscailuz.
8:00 to 9:00 p. m.—Santa Monica Municipal Band Concert.
9:00 to 9:30 p. m.—Club Casa Del Mar.
9:30 to 10:30 p. m.—Broadcasting of the Fights from the Ocean Park Arena.

THURSDAY, APRIL 28

8:00 to 9:00 p. m.—Santa Monica Municipal Band Concert.
9:00 to 10:00 p. m.—Main Studio program.

FRIDAY, APRIL 29

3:00 to 3:15 p. m.—Bay Builders' Exchange Booster program.
8:00 to 9:00 p. m.—Santa Monica Municipal Band Concert.

SATURDAY, APRIL 30

3:00 to 3:15 p. m.—Bay Builders' Exchange Booster program.
8:00 to 9:00 p. m.—Santa Monica Band.
9:00 to 10:00 p. m.—Main Studio program, featuring Clyde Pearson, soprano; Kathleen Williamson, blues singer, accompanied by Eleanor Swall.



Major Lawrence Mott
Announcer

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"The Isle with a Smile"

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—

8:00 to 8:30—Studio.

MONDAYS

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

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—Overseas.

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.
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MARY ELIZABETH CARTER, Mgr. and Announcer



DAILY EXCEPT SUNDAY—

- 9:00 to 11:00 a. m.—Music and shopping news.
- 11:00 a. m. to 12:00 m.—Mary Elizabeth's Garden.
- 5:30 to 7:00 p. m.—Music and shopping news.
- 8:00 p. m. to 10:00 p. m.—Studio program.
- 10:00 p. m. to 12:00 m.—Cush Branch and Orchestra from Venice

Mary Elizabeth Carter WEEK COMMENCING MONDAY, APRIL 25, 1927

MONDAY, APRIL 25

8:00 to 10:00 p. m.—The Doty Twins and Harl; Roy T. Davis, whistler; Jimmie Collins, lyric tenor; Elizabeth Blair Davis, mezzo soprano; Eddie Hoffman and his Knights of Syncopation; Elnora Swall and Catherine Williamson; Venetian Joymakers; Fred Wesley; Tiny, Jack and Buck.

TUESDAY, APRIL 26

8:00 to 10:00 p. m.—Scott McConnell, tenor; Edith Hancock, soprano; Harry Dinnawitzer, violinist; Gorman's String Band;

WEDNESDAY, APRIL 27

4:00 to 5:30 p. m.—Children's Hour, conducted by Ursula March Largey.
 8:00 to 10:00 p. m.—Lyman Wood, baritone; Nina Fry, mezzo soprano; Grace Widman, blues; Harmony Kids.

THURSDAY, APRIL 28

8:00 to 10:00 p. m.—Bob Davis, Welsh baritone; Sally J. Shull, pianist; Ansley Graham, tenor; Clyde Waller and Jack Yates, the Texas boys; California Colonial Band.

FRIDAY, APRIL 29

4:00 to 5:30 p. m.—Children's Hour,
 8:00 to 10:00 p. m.—Marbelite Corporation of America, featuring Morris Lenaky, Russian baritone; Dr. Delevanti, pianist; Marvin Christensen, tenor; Tessie Weiss, operatic soprano; G. Leavitt Browne, pianologue; Charles Robertson, tenor; Fances Harnion, soprano.

SATURDAY, APRIL 30

1:00 to 2:00 p. m.—Harry Judson's Entertainers Hour,
 8:00 to 10:00 p. m.—Merchants of Venice Frolic, featuring Hal, Ted and Buzz, the Harmoniacs; Juanita Kennedy, blues; Ed. Bergin and his Jazzy Boys; Tiny, Jack and Buck, the KFVD Harmony Trio.
 12:00 m. to 2:00 a. m.—Tommy Jacobs and his Ship Cafe.

SUNDAY, MARCH 1

6:00 to 12:00 p. m.—Cush Branch and his Melody Orchestra

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Announcer

Long Beach, California—233 Meters

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Studio—214 Jergins Trust Bldg. 617-19, 614-60
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DAILY—

4:30 to 6:00 p. m.—Piggly Wiggly Concert Orchestra.
6:00 to 6:15 p. m.—Request Period by Doris & Clarence.
6:15 to 7:00 p. m.—Piggly Wiggly Concert Orchestra.

DAILY EXCEPT SATURDAY AND SUNDAY—

10:15 to 10:30 a. m.—Devotional Period.
10:30 to 11:30 a. m.—Physiology of Beauty, Georgia O. George.

DAILY EXCEPT SUNDAY—

11:30 to 12:00 a. m.—Press-Telegram Early News.
12:00 noon—Lost and Found announcements.
4:00 to 4:30 p. m.—Press-Telegram late news.

DAILY EXCEPT MONDAY—

9:30 to 10:15 a. m.—Pacific Coast Club Organ—Herbert Nixon at the console.
2:30 to 3:10 p. m.—Long Beach Municipal Band.
3:10 to 3:20 p. m.—Intermission.
3:20 to 4:00 p. m.—Long Beach Municipal Band.
6:00 to 8:10 p. m.—Press-Telegram presenting Long Beach Municipal Band.
8:10 to 8:20 p. m.—Intermission.
8:20 to 9:00 p. m.—Press-Telegram presenting Long Beach Municipal Band.

WEEK COMMENCING SUNDAY, APRIL 24, 1927

SUNDAY, APRIL 24

11:00 to 12:30 p. m.—Church of the Nazarene, Rev. L. A. Reed.
12:30 to 2:00 p. m.—Musical program, sponsored by Birkel Music Co.
2:00 to 2:30 p. m.—Pacific Coast Club Organ, Herbert Nixon at the console.
4:00 to 5:00 p. m.—Vesper Hour.
7:00 to 7:45 p. m.—Caskill Mfg. Co. and Missman Radio Co. program.
7:45 to 9:00 p. m.—Services from First Church of Christ, Scientist, remote control.
9:00 to 12:00 p. m.—Everybody's Night—
MONDAY, APRIL 25

12:00 to 12:30 p. m.—Moore's Apparel Shop, sponsoring musical program.
12:30 to 1:00 p. m.—Wiltshire Ionaco program, featuring Doris and Clarence.
1:30 to 2:30 p. m.—Special Merchants Hour
7:00 to 8:00 p. m.—Thrifty Sandy program, sponsored by Citizens State Bank.
8:15 to 9:00 p. m.—Piggly Wiggly Haymakers, old-time dance music.
9:00 to 12:00 p. m.—Kiwanis Frolic.
TUESDAY, APRIL 26

12:00 to 12:30 p. m.—Kay & Burbank Co., musical program.
1:00 to 1:30 p. m.—Kiwanis Club luncheon.
1:30 to 2:30 p. m.—Woman's Music Study Club, direction of Ruth Parkinson.
7:00 to 7:30 p. m.—Poly Hi School Oral Expression Class.
7:30 to 8:00 p. m.—Chat for Booklovers, presented by Hewitt's Bookstore.
8:00 to 10:00 p. m.—Piggly Wiggly Hour.
10:00 to 11:00 p. m.—Special Merchants Hour, featuring Majestic Ballroom Orchestra.
11:00 to 12:00 p. m.—Majestic Ballroom
WEDNESDAY, APRIL 27

12:00 to 12:30 p. m.—Moore's Apparel Shop,
12:30 to 1:30 p. m.—Rotary Club luncheon.
1:30 to 2:00 p. m.—Wiltshire Ionaco program, featuring Doris and Clarence.
2:00 to 2:30 p. m.—Capitol Theatre Organ, Dick Dickson at the console.
7:00 to 7:30 p. m.—Texas Cowboys, old-time dance music.
7:30 to 8:00 p. m.—Studio program.
8:00 to 8:15 p. m.—The Woman and the

Law, by Herbert Middledich

9:00 to 10:00 p. m.—Studio program.
10:00 to 11:00 p. m.—Special Merchants Hour, featuring Fred Rogers' Hawaiian Trio.
11:00 to 12:00 p. m.—Pacific Coast Club Orchestra, remote control.

THURSDAY, APRIL 28

12:00 to 12:30 p. m.—Kay & Burbank Co., musical program.
12:30 to 1:00 p. m.—Beauty talk
2:00 to 2:30 p. m.—Health and Efficiency, Dr. Elmer S. Clark.
7:00 to 8:00 p. m.—Special Merchants Hour, featuring studio artists.
8:10 to 8:20 p. m.—Poly Hi Evening School.
9:00 to 10:00 p. m.—Shell Oil Company's Orchestra.
10:00 to 11:00 p. m.—Capitol Theatre Organ, Dick Dickson at the console.
11:00 to 12:00 p. m.—Majestic Ballroom

FRIDAY, APRIL 29

12:00 to 12:30 p. m.—Moore's Apparel Shop, sponsoring musical program.
12:30 to 1:00 p. m.—American Markets, sponsoring musical program.
1:00 to 1:30 p. m.—Wiltshire Ionaco program, featuring Doris and Clarence.
1:30 to 2:30 p. m.—Capitol Theatre Organ.
7:00 to 7:30 p. m.—Church of Christ.
7:30 to 7:45 p. m.—"A Selma Sizer Program."
7:45 to 8:00 p. m.—"Lucky Jim" Investment Chat, Seaboard Bond & Mortgage Co.
9:00 to 10:00 p. m.—Special Merchants Hour, featuring Majestic Ballroom Orchestra.
10:00 to 12:00 p. m.—Elks' Frolic, Lodge No. 886.

SATURDAY, APRIL 30

10:30 to 11:30 a. m.—Studio program.
12:00 to 12:30 p. m.—Kay & Burbank Co.,
7:00 to 8:00 p. m.—"Piggly Wiggly Minstrel."
9:00 to 10:00 p. m.—Special Merchants Hour, featuring Fred Rogers' Hawaiian Trio.
10:00 to 11:00 p. m.—Capitol Theatre Organ.
11:00 to 12:00 p. m.—Pacific Coast Club Orchestra, remote control.

Program Published as Submitted by the Station.



TOM SEXTON
Announcer

San Diego, California—245.8 Meters

KFSD

1000 WATTS—1220 KILOCYCLES
AIRFAN RADIO CORPORATION
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H. C. ROGERS, President and General Manager
TOM SEXTON, Announcer

"Kiss From San Diego"

DAILY EXCEPT SUNDAY—

8:00 to 7:00 p. m.—Nightly musical review.

10:00 to 11:00 p. m.—Harvey Ball and his U. S. Grant Hotel Orches

DAILY EXCEPT SUNDAY AND MONDAY—

9:00 to 10:00 p. m.—La Bohemian Dance Program.

WEEK COMMENCING SUNDAY, APRIL 24, 1927

SUNDAY, APRIL 24

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

MONDAY, APRIL 25

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, APRIL 26

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, APRIL 27

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

7:30 to 8:30 p. m.—Concert program furnished by the Theosophical University.

8:30 to 9:30 p. m.—Request Program.

9:30 to 10:00 p. m.—Request Program.

THURSDAY, APRIL 28

7:00 to 8:00 p. m.—Police program, dance music and concert music.

8:00 to 9:00 p. m.—Mixed musical program.

FRIDAY, APRIL 29

7:00 to 8:00 p. m.—Studio hour.

8:00 to 9:00 p. m.—Studio program.

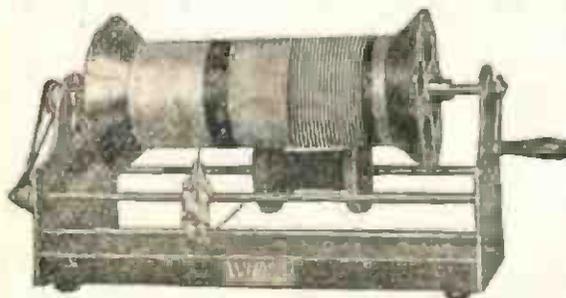
SATURDAY, APRIL 30

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

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

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KYA CLAIR MORRISON, Mgr. EDWARD LUTES, Announcer

DAILY EXCEPT SUNDAY—

12:30 to 2:00 p. m.—Sollie Heilbrommer's Clift Hotel Trio.

6:30 to 7:30 p. m.—Sollie Heilbrommer's Clift Hotel Trio.

10:00 to 11:00 p. m.—Herb Meyerinck's Clift Hotel Orchestra.

WEEK COMMENCING SUNDAY, APRIL 24, 1927

SUNDAY, APRIL 24

11:00 a. m.—Services from the Central Methodist Episcopal Church. Dr. Walter John Sherman, Pastor.

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

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

MONDAY, APRIL 25

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

10:00 to 11:00 p. m.—Herb Meyerinck's Clift Hotel Orchestra.

TUESDAY, APRIL 26

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.—Studio program.

9:00 to 10:00 p. m.—Eduardo Abdo, Arabian tenor; Jean, pianist, and his artists.

WEDNESDAY, APRIL 27

8:00 to 10:00 p. m.—Program under direction of A. K. Blotchy.

9:00 to 10:00 p. m.—Annae K. Blotcky will offer a program under her personal supervision.

THURSDAY, APRIL 28

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

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

8:00 to 9:00 p. m.—Studio program.

9:00 to 10:00 p. m.—Robera Leitch, lyric soprano, and other KYA Artists.

FRIDAY, APRIL 29

9:30 to 10:30 a. m.—KYA Shopping Service.

10:00 to 10:45 a. m.—Diet and Health Talk.

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

8:00 to 10:00 p. m.—Studio program.

SATURDAY, APRIL 30

4:00 to 5:30 p. m.—Herb Meyerinck's Clift Hotel Dance Orchestra, playing the Tea Dansant.

8:00 to 12:00 p. m.—Herb Meyerinck's Clift Hotel Dance Orchestra.

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Phone Kearney 5777

"The Voice of San Francisco"

DAILY EXCEPT SUNDAY—

- 6:45, 7:15 and 7:45 a.m.—Daily health drill by Hugh Barrett Dobba.
- 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.
- 2:30 to 4:30 p.m.—Baseball.
- 4:30 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, APRIL 24, 1927

SUNDAY, APRIL 24

- 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 United States weather forecast and general information.
- 2:30 to 4:30 p.m.—Play-by-play broadcast of baseball game.
- 6:00 to 6:30 p.m.—States Restaurant Orchestra, Waldemar Lind, director.
- 6:30 p.m.—"Ye Towne Crier" giving general information.
- 6:35 to 8:35 p.m.—Palace Hotel Concert Orchestra, Cyrus Trobbe, director.
- 8:35 to 10:00 p.m.—Rudy Seiger's Fairmont Hotel Concert Orchestra.
- 10:00 to 12:00 p.m.—John Wolohan and his Californians at the Trianon Ballroom.

MONDAY, APRIL 25

- 8:00 to 9:00 p.m.—Program by the National Broadcasting Company.
- 9:00 to 10:00 p.m.—Studio program for Sheli Company of California.
- 10:00 to 12:00 p.m.—KPO's Variety Hour, featuring KPO's well known artists.

TUESDAY, APRIL 26

- 8:00 to 9:00 p.m.—Uda Waldrop Hour, featuring Uda Waldrop, KPO's official or-

ganist, at the organ of the First Unitarian Church.

- 9:00 to 10:00 p.m.—Program by National Broadcasting Company.
- 10:00 to 11:00 p.m.—Palace Hotel Rose Room Dance Orchestra, Gene James, director.

WEDNESDAY, APRIL 27

- 8:00 to 9:00 p.m.—Program by the Atwater Kent Artists, under the auspices of Ernest Ingold, Inc.
- 9:00 to 10:00 p.m.—Program by National Broadcasting Company.
- 10:00 to 11:00 p.m.—States Restaurant Orchestra, Waldemar Lind, director.

THURSDAY, APRIL 28

- 8:00 to 9:00 p.m.—Studio program.
- 9:00 to 10:00 p.m.—Program of National Broadcasting Company.
- 10:00 to 11:00 p.m.—Palace Hotel Rose Room Dance Orchestra, Gene James, director.

FRIDAY, APRIL 29

- 8:00 to 9:00 p.m.—Dance music.
- 9:00 to 10:00 p.m.—Program of National Broadcasting Company.
- 10:00 to 11:00 p.m.—States Restaurant Orchestra, Waldemar Lind, director.

SATURDAY, APRIL 30

- 8:00 to 9:00 p.m.—Program by National Broadcasting Company.
- 9:00 p.m. to 1:00 a.m.—Dance music.

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Los Angeles, Calif.



Howard I. Milholland
Announcer

Oakland, California—361.2 Meters

KGO

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PACIFIC COAST STATION, GENERAL ELECTRIC CO.
Phone Fruitvale 5980

DAILY EXCEPT SUNDAY—

11:30 a. m. to 1:00 p. m.—Hotel Leamington concert.

DAILY EXCEPT SATURDAY AND SUNDAY—

1:30 and 6:00 p. m.—Stock and weather reports. Base ball 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, APRIL 24, 1927

SUNDAY, APRIL 24

11:00 a. m.—First Presbyterian Church service.
4:00 p. m.—Vesper service, Grace Cathedral.
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.—First Presbyterian Church.
9:00 to 10:00 p. m.—Concert by Bem's Little Symphony Orchestra.

MONDAY, APRIL 25

4:00 to 5:00 p. m.—California Federation of Women's Clubs.
Silent Night.

TUESDAY, APRIL 26

5:0 p. m.—"Mental Measurements."
8:00 to 9:00 p. m.—The Pilgrims. Eveready program by National Carbon Company.
9:00 p. m.—Joseph Henry Jackson: "Chats About New Books."
9:20 p. m.—Surprise broadcast.

WEDNESDAY, APRIL 27

8:00 p. m.—Farm program.

THURSDAY, APRIL 28

10:40 a. m.—Classroom instruction, Oakland Public Schools.

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.

9:30 to 12:00 midnight.—Dance music program by Jack Coakley's Band, Collegiate Ball Room, Hotel Leamington, Oakland.

FRIDAY, APRIL 29

11:10 a. m.—Prudence Penny, Homemaking talk.

5:30 p. m.—Day-Ray-O, children's story-teller from Land-O-Health.

8:00 p. m.—Western Artist Series concert by the California Singers, under the direction of Uda Waldrop. Grace Northrup, soprano; Eva Gruninger Atkinson, contralto; Easton Kent, tenor; E. Harold Dana, baritone.

SATURDAY, APRIL 30

8:00 p. m.—"Weekly Sport Review" by Al Santoro.

8:15 to 9:15 p. m.—Studio program.

9:15 p. m. to 1:00 a. m.—Dance music, Wilt Gutzendorfer's Hotel Whitcomb Band, San Francisco. Rose Lind, contralto.

Program Published as Submitted by the Station.



Chas. E. Gabriello, Jr.
Announcer

Oakland, California—508.2 Meters

KLX

500 WATTS—508.2 Meters
OAKLAND TRIBUNE RADIOPHONE
Phone, Lakeside 6015

"Oakland, Where Rail and Water Meet"

DAILY EXCEPT SUNDAY—

7:00 to 7:30 p. m.—News broadcast.
3:00 p. m.—Baseball.

WEEK COMMENCING MONDAY, APRIL 25, 1927

MONDAY, APRIL 25

10:30 a. m.—Martha Lee.
7:00 to 7:30 p. m.—News broadcast.
8:00 to 9:00 p. m.—Piggly Wiggly Hawaiian program.
9:00 to 10:00 p. m.—Weekly meeting of Lake Merritt Ducks.

TUESDAY, APRIL 26

5:30 to 6:30 p. m.—Brother Bob.
Silent after 7:30 p. m.

WEDNESDAY, APRIL 27

10:30 a. m.—Martha Lee.
5:30 to 6:30 p. m.—Brother Bob.
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.

THURSDAY, APRIL 28

5:30 to 6:30 p. m.—Brother Bob.
Silent after 7:30 p. m.

FRIDAY, APRIL 29

10:30 a. m.—Martha Lee.
5:30 to 6:30 p. m.—Brother Bob.
8:00 to 8:30 p. m.—Motor chats.
8:30 to 10:30 p. m.—Athens Athletic Club Orchestra.

SATURDAY, APRIL 30

3:00 p. m.—Baseball.



"MAC"

San Francisco, California—268 Meters

KFRC

Owned and Operated by Don Lee,
California Distributor for Cadillac Motor Car.
50 WATTS — 1120 KILOCYCLES
HARRISON HOLLIWAY, Manager
FRANK MOSS, Musical Director
"Keep Forever Radiating Cheer"

DAILY EXCEPT SUNDAY—

- 7:00 to 8:00 a. m.—Breakfast concert.
- 10:00 to 11:00 a. m.—Sherman-Clay concert.
- 11:00 to 11:30 a. m.—Household Hints.
- 11:30 a. m. to Noon—Tryouts.
- 12:00 to 2:00 p. m.—Mark Hopkins Concert Orchestra.
- 4:00 to 5:30 p. m.—Mark Hopkins Dance Orchestra.
- 5:30 to 6:30 p. m.—Mac and his Gang. Stage and Screen.
- 6:30 to 7:00 p. m.—Cecillia Trio.

WEEK COMMENCING SUNDAY, APRIL 24, 1927

SUNDAY, APRIL 24

- 5:00 to 6:00 p. m.—Twilight Recital. Vocal and instrumental selections.
- 6:00 p. m.—Stage, Screen and Police Reports.
- 6:30 to 8:30 p. m.—Hotel Mark Hopkins Concert Orchestra.

MONDAY, APRIL 25

- 7:00 to 7:30 p. m.—Western Motors Hawaiians.
- 8:00 to 10:00 p. m.—Blue Monday Jamboree.
- 10:00 to 12:00 p. m.—Eddie Harkness Mark Hopkins Hotel Dance Orchestra.

TUESDAY, APRIL 26

- 7:00 to 7:20 p. m. — Russell-Colvin Trio; Mary Paamore, violinist; Frank Moss, pianist; Herman Reinberg, 'cellist.
- 8:05 to 8:40 p. m. — KFRC Radio Movie Club, with Bill Hawley and "Puss" Donahoo, comedy duo.
- 8:40 to 8:50 p. m.—Prof. Herman Schnitzel.
- 8:45 to 12:00 p. m.—Eddie Harkness' Mark Hopkins Dance Orchestra.

WEDNESDAY, APRIL 27

- 7:00 to 8:00 a. m.—Breakfast concert.
- 7:00 to 7:30 p. m.—"Puss" Donahoo and his Orchestra.

- 8:00 to 10:00 p. m.—Sherman, Clay & Co. presents the grand opera "Carmen" by Bizet, direction Frank Moss.
- 10:00 to 12:00 p. m.—Eddie Harkness' Mark Hopkins Dance Orchestra.

THURSDAY, APRIL 28

- 7:00 to 7:03 p. m.—Western Motors Trio.
- 8:00 to 9:00 p. m.—MonaMotor Oil program.
- 9:00 to 10:00 p. m. — Organ Recital by Theodore Strong at Aeolian Duo-Art Pipe-Organ.
- 10:00 to 12:00 p. m.—Eddie Harkness' Mark Hopkins Dance Orchestra.

FRIDAY, APRIL 29

- 7:00 to 7:30 p. m.—KFRC Encyclopedia Period.
- 8:00 to 10:00 p. m. — Gillfillan Neutrodyne Evening of Music.
- 9:00 to 10:00 p. m.—Program, featuring selections from grand opera "Faust."
- 10:00 to 12:00 p. m.—Eddie Harkness' Mark Hopkins Hotel Dance Orchestra.

SATURDAY, APRIL 30

- 7:00 to 7:30 p. m.—Club Carlton Orchestra.
- 8:00 p. m. to 1:00 a. m. — Eddie Harkness' Mark Hopkins Dance Orchestra.

Program Published as Submitted by the Station.

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Announcer

Portland, Oregon—491.5 Meters

KGW

1000 WATTS—610 KILOCYCLES
THE MORNING OREGONIAN
"Keep Growing Wiser"

DAILY EXCEPT SUNDAY—

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

SUNDAY, APRIL 24

10:55 a. m. to 12:30 p. m.—Morning services from the Church of Our Father.
1:00 to 2:00 p. m.—Mock Crest "Home and Fireside Hour" concert.
7:30 to 9:00 p. m.—Evening services from the First Presbyterian Church.
9:00 to 10:00 p. m.—National Broadcasting Co. Inc. program from San Francisco.
10:00 to 11:00 p. m.—Public Service Little Symphony Orchestra.

MONDAY, APRIL 25

8:00 to 9:00 p. m.—National Broadcasting Co. program from San Francisco.
9:00 to 10:00 p. m.—Venetian Hour, soloists and orchestra, presented by Tarola Motor Car Co.
10:00 to 12:00 midnight—Dance music by Cole McElroy's Spanish Ballroom Band.

TUESDAY, APRIL 26

2:00 to 3:00 p. m.—Women's Matinee, lectures and music.
7:00 to 9:00 p. m.—Educational program.
9:00 to 10:00 p. m.—National Broadcasting Co. program from San Francisco.
10:00 to 12:00 midnight—Dance music, featuring Herman Kenin and his orchestra.

WEDNESDAY, APRIL 27

7:00 to 7:15 p. m.—Utility service.
8:00 to 9:00 p. m.—Concert by the Maxwell House Coffee Orchestra and vocal artists, simultaneously with KFOA and KHQ.

9:00 to 10:00 p. m.—National Broadcasting Co. program from San Francisco.
10:00 to 10:30 p. m.—Bridge game.

THURSDAY, APRIL 28

7:00 to 7:15 p. m.—Old Hickory Smoked Salt talk.
7:45 to 8:00 p. m.—Lecture, given under the auspices of the Catholic Truth Society of Oregon.
8:00 to 9:00 p. m.—Vaudeville entertainment.
9:00 to 10:00 p. m.—National Broadcasting Co. program from San Francisco.
10:00 to 12:00 midnight—Cole McElroy's Spanish Ballroom Dance Band.

FRIDAY, APRIL 29

2:00 to 3:00 p. m.—Women's Matinee.
7:00 to 7:30 p. m.—Utility service.
7:30 to 8:00 p. m.—Albers Bros. Poultry talk.
8:00 to 9:00 p. m.—Concert by the Mission Bell Orchestra with soloists.
9:00 to 10:00 p. m.—National Broadcasting Co. program from San Francisco.
10:00 to 10:30 p. m.—Musical program.
10:30 to 12:00 midnight—Weekly Frolic of the Keep Growing Wiser Order of Hoot Owls.

SATURDAY, APRIL 30

8:00 to 9:00 p. m.—National Broadcasting Co. program from San Francisco.
10:00 to 12:00 midnight—Dance music, featuring Herman Kenin and orchestra.

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GENERAL ELECTRIC COMPANY
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, APRIL 24, 1927

SUNDAY, APRIL 24

- 10:00 a. m.—Services of Central Presbyterian church, Denver. Sermon—"The Kinship of Christ," Rev. Martin E. Anderson, D.D. pastor.
- 4:30 p. m.—Organ recital from Central Presbyterian church, Denver; Clarence Reynolds, organist.
- 6:30 p. m.—Dinner concert, Brown Palace orchestra, Howard Tillotson, director.
- 6:45 p. m.—Service of Central Presbyterian church, Denver. Sermon—"The Primacy of the Cross," Rev. Martin E. Anderson, D.D., pastor.

MONDAY, APRIL 25

- 6:30 p. m.—Children's hour.
- 7:00 p. m.—Instrumental program by Scheuerman's Colorado orchestra.
- 7:15 p. m.—D. & R. Theaters program, featuring the Egyptian Theater orchestra.

TUESDAY, APRIL 26

- 2:15 p. m.—Talk—"The Gentle Art," given by Anne McKeen Schuler.
- 2:15 p. m.—Talk—"The Gentle Art, given by Anne McKeen Schuler.
- 2:30 p. m.—Housewives' matinee, arranged by Helen Olin Roberts.
- 3:30 p. m.—Question box.
- 3:45 p. m.—Fashion review, given by the Gano-Downs company, Denver.
- 6:30 p. m.—Farm question box George C. Wheeler, editor, Western Farm Life.
- 8:00 p. m.—Radio instruction in auction bridge, conducted by studio players.

WEDNESDAY, APRIL 27

- 6:30 p. m.—Wynken, Blynken and Nod time.
- 7:00 p. m.—Instrumental program by Scheuerman's Colorado orchestra.
- 7:15 p. m.—Public Service company program.

THURSDAY, APRIL 28

- 2:15 p. m.—Talk—"The Gentle Art," given by Anne McKeen Schuler.
- 2:30 p. m.—Housewives' matinee, "The Little Poor Man," presented by Jefferson Dramatic Society of St. Elizabeth's church.
- 3:30 p. m.—Fashion review, given by the Gano-Downs company, Denver.
- 4:00 p. m.—Stocks, markets, livestock, produce and news bulletins.
- Silent Night.

FRIDAY, APRIL 29

- 10:00 a. m.—Lenten service in the studio. Sermon—"The Religion of the Cross," Rev. Robert Hopkin, pastor of First Congregational church, Denver.
- 11:15 p. m.—Instrumental concert by Denver Union Pacific Shop Employees' band.
- 12:00 Noon—Organ recital Aladdin theater.
- 6:00 p. m.—"Aggie Kickoffs," Colorado Agricultural college.
- 6:30 p. m.—Preview of International Sunday school lesson.
- 7:00 p. m.—Good Friday service, a cantata, "The Crucifixion," by Sir John Stainer, to be presented at Central Presbyterian church, Denver.

SATURDAY, APRIL 30

- 9:15 p. m.—Dance program, Scheuerman's Colorado orchestra, from the Cathedral ballroom, Albany hotel, Denver.

Program Published as Submitted by the Station.

STANDARD RADIO CO.

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FADA, ATWATER KENT, FEDERAL AND WESTERN ELECTRIC DEALER

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Two-Tube Harkness Changed to 3-Tube, Guaranteed Perfect Tune-out on Local Stations

Telephone WESTmore 1560

Open Saturday Evenings Until 9 o'clock

What Price Quality ?

(Continued from Page 17)

Inductance of the windings provides a tuned circuit for some particular group of frequencies which will be amplified out of all proportion to the rest of the scale.

Transformer manufacturers have fought this proposition until the amplification curve has gradually flattened out, but still is far from a straight line.

Then we have resistance coupling. Here is an improvement in that iron cores with their lagging molecules, unwanted resonant circuits of inductance and capacity, etc., are eliminated, BUT, in order to keep the plate voltage of the preceding tube off the grid of the next tube we must use a grid condenser, and then to maintain our grid polarity we must use a grid leak.

The coupling resistance, the grid condenser and grid leak must be very carefully balanced for each stage, the values changing as the amplification progresses. The difficulty is to keep the grid negative when each grid has a greater alternating voltage applied to it than the preceding tube. Hence the variation in the leaks. Furthermore, since the circuits contain capacity and no inductance, the current and voltage will be out of phase with each other, and this phase angle difference must be constant all through the amplifier or distortion results. However, with a properly designed resistance coupled amplifier a more nearly straight-line characteristic may be obtained than with transformers.

Another type is the impedance coupled. Here we still have the grid condenser and leak as well as the impedance unit, with its inductance, distributed capacity and iron core. Through the use of very high grade and costly inductances, this type is on a par with the best of the first two types mentioned. A recent development is the "dou-

ble impedance" type. Here the grid leak is replaced by an inductance, which eliminates the uncertainty of the permanency of the resistance value of the leak, permits the use of the normal and definite C voltage, prevents blocking, etc. However, for fairly uniform amplification the inductances must be very large, as must also the coupling condenser. There will probably be considerable development along the lines of the double impedance type.

One of the most interesting and outstanding developments in audio amplification is the new Orthoformer. In this system we have only the pure amplification of the vacuum tube. In the coupling method there are no capacities or inductances, just pure non-inductive resistance.

The two amplifier tubes operate exactly under conditions of B and C potential which insure straight-line distortionless amplification and there is nothing in the accompanying coupling circuits which can detract from or add to the amplification of any frequency with relation to any other frequency. The faults of the other types of amplifiers are all due to the presence of inductance, capacity, iron cores, and circuits whose characteristics are not constant under the varying frequencies of the audio range and which often prevent even the tubes from operating as efficient amplifiers.

The first Orthoformer tube does not function as an amplifier, but simply as a coupling relay or "trigger," to operate the two amplifying tubes which follow. The writer is not at liberty to disclose the patented circuit employed, but can state that in the Orthoformer the ideal conditions desired for true amplification are attained. Not only is the characteristic a straight-line for the whole

(Turn to Page 76)

The Musician's Point of View

(Continued from Page 18)

stance of joy. This comes to him from two main sources,—hearing the music that comes from his instrument, and seeing the appreciation of his audience and the happiness he has brought to his listeners. These were the first two things that radio took from him! He has no visible audience, and he is put into a padded cell that chokes off the sound that returns to him from reverberating walls, that alone tells him of the beauty, the merit of his work.

What deeper and heavier voice can thrill an audience as does the tenor and the soprano? Yet, so afraid is the radio apparatus of a high or life-vibrating dramatic note, that the engineers in charge of stations throttle these singers until they are but corpses of dead joy before they ever begin their song! If the singer succeeds in preserving a tiny bit of life, and accidentally lets it manifest itself in a high note, thrilling with the sheer joy of life, the operator at the set twiddles a dial—he is afraid of “blasting”—and the note comes out as a faint thing!

This same worthy and conscientious operator—faithfully guarding his tubes—will take a tiny, screeching, shrill voice and, by certain twiddling of his dials, send it forth a wondrous mezzo-soprano, or a rich, operatic tenor! He takes the silken threads of a high violin note and twiddles it into a brazen copper band of sound! He reduces—by more twiddling—the dramatic crescendos of a symphony orchestra to a thrillless flow of cold molasses! He raises the pianissimo passages to a monotonous medium—and these are some of the reasons why honest-to-God musicians seldom listen in! Why so many of the really great singers demand such exorbitant prices to sing for you! Why

members of the Musicians' Union do likewise!

But think of the good they can do over radio! the people whom they can reach that can not be reached in any other way! I can almost hear some of you say—True! And, for pure dyed-in-the-wool charity, backed up by Uncle Sam's gold coin, go to the musicians, the artists, the stage folk! This is so well known that those who damn them all, as a class, one day, search them out the next, knowing that they are the first to turn their pockets inside out for some poor devil who is up against it!

A pianist thrills himself and his listeners with the marvelous tonal qualities of his pedal-sustained notes. The studio manager eliminates the sustaining pedal with his first word of direction to the performer. Piano manufacturers spend more time, money and thought over the perfection of this pedal than over any other part of the instrument, because it is the vibratlog sustained note that thrills, inspires the player as well as the listener. Some studio managers have even gone to the length of tying down or removing this pedal altogether, and the radio listener hears a tinety-blinkety noise like no piano on earth!

Engineers in the huge laboratories are working like madmen, literally driving themselves into premature graves via the sanitarium route, in order to perfect apparatus. They will never rest until they can deliver the music into your homes exactly as it sounds to you when you hear it in a theatre or great auditorium. Meanwhile, stations are sending out music through, as yet, unperfected apparatus, handled, in most cases, by earnest young mechanics who may know how to run the works, but who do not know a note of music, and

The Musician's Point of View

(Continued from Page 75)

whose knowledge of beautiful tone production is limited by the fear of what a high note will do to his tubes, and his firm belief that high violin notes and sopranos and dramatic orchestral music are hell!

In another article I hope to tell you something of how two temperamental people—a soprano and a poet-writer-fisherman-soldier, — neither of whom have ever experienced that much-talked-about thing, a suppressed emotion,—have fought this thing out at KFWO, and still live to tell the tale!

Quality

(Continued from Page 74)

range, but due to the fact that there is no phase-angle varying through successive stages, the result is a clean cut reproduction of every note, and not a blurring together of a mass of what were once individual frequencies. In other words, it is possible to pick out each individual instrument and note in an orchestra; individual voices in a chorus. The elimination of all inductance, capacity and iron, have left exactly what is desired,—a true, clean-cut and uniform reproduction of the whole audio range.

Woman's Page

(Continued from Page 26)

of making Angel Food Cake; and now with eggs 30c a dozen, this is really the most economical of cakes. I am assured that one will never have a failure with this recipe, and that the cake will never be dry. •

Boll together $1\frac{1}{2}$ cups of sugar and $\frac{1}{2}$ cup of water until when dropped in cold water it forms a soft ball. Have

beaten the whites of eggs (about nine, but the amount of whites unbeaten should be $1\frac{1}{4}$ cups). While beating the whites add 1 teaspoonful of cream tartar and $\frac{1}{4}$ teaspoonful of salt. Pour the boiling syrup into the stiff whites of eggs, beating it in slowly as you pour; then fold in a cup of Swansdown flour, which has been sifted four times. Bake in a regular angel-food cake tin, in a slow oven, about 45 minutes.

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Why confine your radio programs to a few local stations when the expensive concerts, dance music and lectures of hundreds of big cities are ready for you? With every order for our treatise, "The Distance Getter," we include FREE our wonderful new Distance Transformer. Tune your set according to our special instructions and presto — note the distant stations roll in!

Satisfaction Guaranteed

Your money instantly refunded if you are not satisfied. The attachment furnished FREE with the "Distance Getter" alone is worth the price.

"Results beyond all expectations. Cuts through local stations like a knife." — writes Galloway of Chicago, Ill.

"Send three more for my friends. I get Denver and Calif. easily," says Homes, Palos, Ill. "I also get stations in Canada, Chicago, Miami, all on loud speaker with sufficient volume to be heard all over the house," says Pecker of Swampscott, Mass.

"Thus far I've pulled in many stations I formerly only read about" Prael of Ohio.



Hazleton Laboratories, 4654 Mulden St., Dept. 241, Chicago, Illinois

- Send me "The Distance Getter" postpaid, enclosed find \$1 (J. O., stamps or check).
 Send C. O. D., plus small postage added.

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State _____

MAIL COUPON TODAY

Timely Trade Topics

The next regular meeting of the Radio Manufacturers Agents Association will be held at the Elite, 633 S. Flower Street on Friday, April 22, at noon. The annual election of officers to serve for one year will be held at this time.

The Baker-Smith Company, who represent the Enchanter, the Herald, the Sylfan and the Elec-Tru-Tone Companies have removed from their old office at 715 New Call Bldg., San Francisco, to the New Chronicle Building.

The Woodlark Radio Products Company, 7730 Washington Blvd., is again in production on the Woodlark and Big Chief Speakers. Mr. R. W. Powers recently sold his interest in this company to Mr. David O. Stohl and C. W. Taylor.

H. G. Pearce of Los Angeles, long connected with Amateur Radio, is taking over the management of Long's Radio Co. at 2812 South Main Street. A more extensive line of supplies will be handled for the home set-builder and amateur experimenter.

The Holloway Hardware Company, located at Vernon and Manchester, Los Angeles, have installed a complete radio department, handling nothing but the best in radio, including the Holmes Receivers and Loud Speaker, CeCo Tubes, Gosilco Aerial and Bus Wire, Philco products, and many other popular lines.

The Pacific Wholesale, Inc., of 1320 South San Pedro Street, is distributing the Eclipse set in Southern California and reports wonderful success. Mr. Carter, President of the Eclipse Mfg. Company, has lately moved the plant to 1911 Fourth Avenue, where they are equipped to more than double the production possible in the old plant.

The Neutrowound Manufacturing Co., of Homewood, Ill., manufacturers of the famous Neutrowound receiver, and represented in Southern California by J. W. Fitzgerald, are now displaying their ALLECTRIC set in their headquarters, room 900 Allied Crafts Bldg., corner Pico and Maple, Los Angeles. The manufacturers of this model have left nothing undone towards embodying the latest features in their attractive batterless set. It operates direct from electric light socket. Mr. Fitzgerald invites the trade to visit the Western Auto Electric Co., 16th and Hope Sts., Southern California Distributors.

The A. J. Tobey Company, 15th and Hope streets, Los Angeles, distributors for the PHILCO Socket power unit, Holmes receiving sets, CeCo tubes and various other popular and well-known radio merchandise, to assist his many dealers in both Los Angeles and Hollywood, is employing an attractively decorated automobile in charge of that popular entertainer, Uncle Remus, using the public address system, in a novel advertising campaign, Uncle Remus, with Little Boy Blue, providing entertainment in their inimitable style, at the various dealers during the evenings. This is only one manner in which the A. J. Tobey Company lends full co-operation to his many dealers.

Lowe's Cabinet Shop, located at 3635 Avalon Blvd., Los Angeles, has been purchased by W. A. Johnson, and is now known as JOHNSON'S CABINET WORKS. Mr. Johnson, who needs no introduction to the cabinet trade, has installed new machinery of the latest type and has obtained the services of mechanics of the highest calibre. Mr. Johnson personally supervises all work going through his shop and guarantees absolute satisfaction.

Broadcasters' Digest

Harold Isbell, Town Crier of the Night at KNX, the Evening Express, considered one of the leading announcers on the coast, caused considerable havoc among listeners recently when he took a three-day trip without having any kind of an announcement made. Hundreds of people phoned in asking what had happened. Isbell keeps himself in the background all of the time and makes only the necessary announcements during programs, which makes him even more popular. It was necessary for the substitute announcer to explain that Isbell would be back in a few days before the inquiries could be halted.

KPO's HAPPY HOUR for the shut-in folks is now being broadcast every morning except Sunday from KPO, during the 8 to 9 o'clock hour. Sponsored by the Sperry Flour Company, the new feature is introducing many novel things in the way of entertainment and cheer for the folks who must live lonely lives because of some physical ailment or misfortune. Interesting readings, musical offerings by some of KPO's favorite artists, and instructive articles will be broadcast during the Happy Hour from time to time, it is announced. The feature is being directed by Hugh Barrett Dobbs, Physical Instructor, and one of the station's cleverest entertainers.

One hundred baby chicks are being given to some poultry raiser in the Northwest each week through a Minneapolis station.

Station KFVD, at Venice, California, claims the distinction of having the only woman announcer, studio manager and accompanist in the West—Mrs. Mary Elizabeth Carter. Mrs. Carter's long experience on the stage in New York City and other metropolitan centers was excellent training for her present position, and she is noted for the clearness and charm of her enunciation. Mrs. Carter was the originator of "Mary Elizabeth's Garden," a morning feature which has proven very popular with women and children; but her work registers equally well with men listeners, whose early skepticism has been overcome. Station KFVD is located above the Venice Ballroom on the famous pleasure pier, and Mr. McWhinnie of the McWhinnie Electric Company, owners of the Station, wishes the public to know that visitors are always welcome in the studio at any time between 9 a.m. and midnight. Mrs. Carter is always there, whether "at the mike" or not, and is anxious to get acquainted with, and receive suggestions from the Radio Public.

SH-H-H!

Query—I hear such dizzy noises on my radio, what can the answer be?

Answer—Probably your tubes are "lit."—Radio News.

Nearly all the Navy spark sets ashore and afloat have now been replaced by tube sets, causing listeners much less interference.

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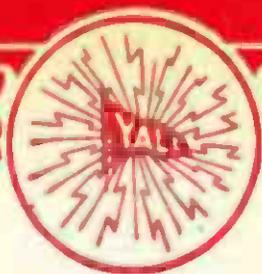
The new radio batteries are the very latest effort to make Ray-O-Vac products the most serviceable of their kind to radio fans. The improved reception, with either of these batteries in the circuits, is very noticeable, due to their low internal resistance. Owing to a new type of construction they are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

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Madison, Wisconsin

737 Terminal St.

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With*

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Federal tone quality
Federal performance
and best of all with
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