

RADIO DOINGS

RED BOOK OF RADIO

The Radio Authority
of the
Pacific Coast

10¢

WEEKLY

Geish Edwin A.
2301 W 29th Place 1-30-29



Wint Cotton—KPLA

Set Builders' Special Edition

Vol. XIII
No. 24

DECEMBER 9-16
1928

The Finest Tone in Radio



AMRAD

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DYNAMIC RADIO MODELS

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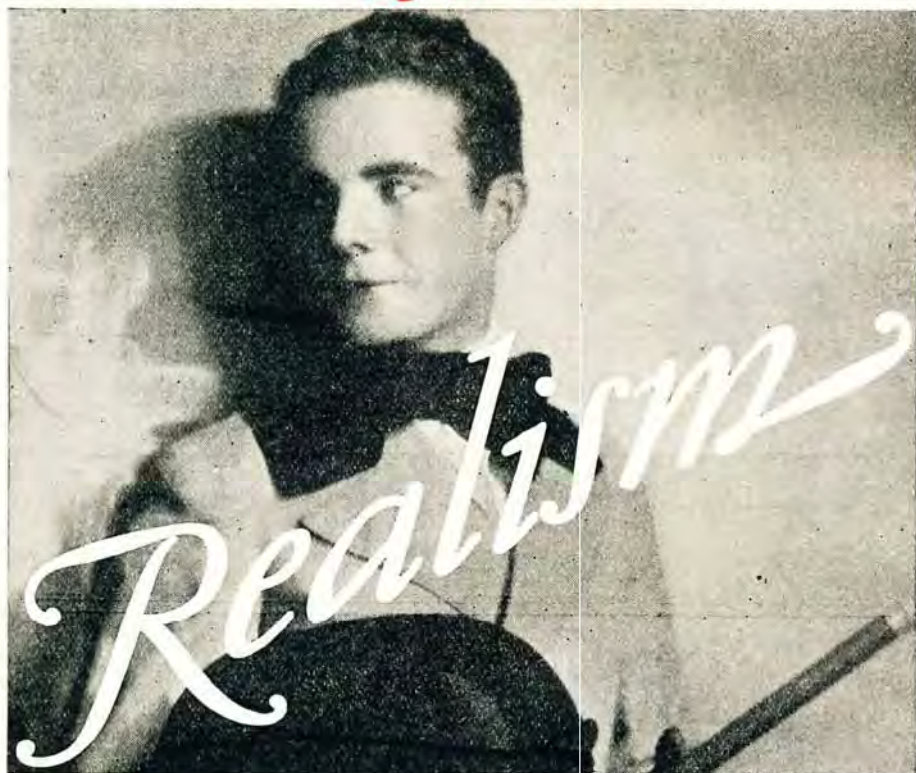
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KNIGHTS ON THE AIR
Vernon Rickard—KFWB

The Aristocrat

Beautiful butt burl
walnut cabinet fin-
ished in two tones

For A-Battery
Operation.....\$60
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DYNAMIC
THE MARK OF THE GENUINE

When Vernon Rickard sings
conversation stops . . . particularly if
you are listening over a Magnavox
Dynamic Speaker. For then his clear
tenor voice is reproduced in all its
flawless beauty. Magnavox is the
original dynamic . . . the depend-
able dynamic.

THE MAGNAVOX COMPANY

Oakland, California

Chicago, Illinois

Build Your Own

THESE long winter evenings always turn one to some kind of home diversion. There is little that is more completely satisfying than creating something. Radio, and particularly the building of a set, is a fruitful field for such enjoyment. A diagram, the parts, hours of interesting work, and what a thrill to operate a receiver of your own creation!

Who would not experience deep pride at successfully getting programs on a set personally constructed? Or, perhaps, listening to a Russian opera from Siberia or Japanese entertainment from Tokio on a short wave kit carefully put together bit by bit each evening? This kind of recreation is not reserved for experts; you can construct a powerful and successful unit by following the specifications of a reliable circuit.

Possibly your set does not suit you because it lacks selectivity, power or some other good feature. The wide variety of radio parts obtainable enables you to emphasize these particular characteristics, such as distance, tone quality and volume. Properly completed, the result will be an instrument whose performance exactly agrees with your taste.

The important fact that it is of your own building makes the apparatus a fascinating hobby for a long time to come. So when these quiet evenings after work become tiresome simply get the kind of circuit you want and the necessary material from your dealer. The hobby of making and using a receiver will bring many hours of pure contentment.

Perhaps you have friends or relatives who are interested in home set construction. There is no better guide for this than RADIO DOINGS. As an appropriate Christmas gift a subscription is ideal. It lasts an entire year and costs only \$3.00. Specially low Christmas rates for more than one subscription are: Two, \$5.50; Three, \$8.00; Four, \$10.50; Five, \$13.00. Make use of this coupon today and you can stop puzzling over what to give.

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Radio Doings, 407 East Pico Street, Los Angeles, California.

Gentlemen: Please enter a year's subscription to RADIO DOINGS, beginning with Christmas week, for the following. Send a greeting gift card to be received just before December 25th.

Name and Address.....

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Now is the Time to "Build Your Own"

THE peer of all radio receivers is the correctly made custom-built set. When making a receiving set, you tune, balance and adjust it for the location in which it is to be used. It gives you the acme of sensitivity, selectivity and true tonal reproduction.

When you "Build Your Own," you have that satisfaction of your own accomplishment and know that you are getting more value per dollar expended.

On the pages following you will find personal messages from various parts manufacturers who do their utmost to help you in "Building your Own." In addition to those you see herein displayed, you will find as many more makes of good radio parts on our shelves.

This entire stock is easily accessible to your dealer and he will welcome your inquiry for any new apparatus. He knows where to get it.

Here are Some of Our "Kits and Parts" Stock

Alco Loops	Dudlo Mfg. Co. Wire	Polymet Condensers
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Chicago Kester Solder	Morris Ball Antenna Kits	Vesta Power Units
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DAY-FAN

Makes Distant Stations
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Wagner,
Schubert—

none have risen for a century to take their places—but we can now hear their high art reproduced again and again with the Tonal Quality Day-Fan, designed by the best radio engineers, tuned to extreme sensitiveness, and with increased selectivity, yet withal, volume, clear and true, bringing out and reproducing perfectly the high and low notes of voice and instrument.



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the Qualities
of Beauty and
Performance.

Hear and See the
Day-Fan in
Justice to Radio
and Yourself.

Consolette Model,
\$215,
Less Tubes.

Also

Console, \$297.50,
Less Tubes,

and

Table Model,
\$157.50,
Less Tubes.

Christmas will soon be here. A wonderful all-year gift for your family is a new Day-Fan.

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Radio Topics of the Day

A Weekly Review of Radio News, Thought and Opinion

CHICAGO STATION BATTLE TAXES COMMISSION

Unquestionably the most interesting and the hardest-fought battle any radio stations have yet made for their rights on the air was staged last week at the Capital in a three-cornered fight between WENR of Chicago, owned by the Insull interests; WLS, of Chicago, whose ownership was recently reported to have passed from Sears Roebuck & Company to the Prairie Farmer, and WCBD of Zion, Ill., with Wilbur Glenn Voliva, general overseer of the Zion, himself on the job.

The case broke all records for the number of witnesses brought to Washington to testify in a radio case, and for the number of counsel which have ever participated in a radio hearing. So many lawyers tried to make themselves heard, that Judge E. O. Sykes, Acting Chairman of the Radio Commission, announced that when there was more than one lawyer representing an interest, he would only recognize the chief counsel.

Also this Chicago family controversy was the lengthiest the Radio Commission has had to listen to. It began Wednesday morning, lasting until midnight, Thursday the same, Friday ditto, and didn't wind up until Saturday noon.

Finding the regular hearing room entirely too small, the sessions were moved into the auditorium of the Interior Department building. By the night of the second day those participating began to look more like spectators at an eight-day bicycle race than government commissioners et al, threshing out a radio controversy.

Briefly, WENR, which now has two-sevenths time on the same wave with WLS, was asking for an equal division. Also WENR, having been granted a permit to construct a 50,000-watt station and having spent about three-quarters of a million dollars doing it, asked to be allowed to use this increased power. WCBD, through Overseer Voliva, whose station was formerly on the wave length

now occupied by WENR, asked that the wave be given back to him.

John F. Gilchrist, president of the Great Lakes Broadcasting Company, operating WENR, and vice president of the Commonwealth Edison Company, testified that the latter owned 60 per cent of the station's stock. William R. Dawes, representing the Chicago Association of Commerce, when asked if he came there "as a friend of Sam Insull," reminded listeners of his brother, Vice President Dawes, when he snapped back, "No. I came here as a friend of Chicago."

COMMISSION REPORTS NEW TROUBLE CENTERS

According to Radio Commissioner O. H. Caldwell, of the Eastern Zone, reports regarding the new assignments reaching the Radio Commission from all over the country, show a "gratifying improvement."

"This seems to be the unanimous report from all regions with one or two exceptions," the Commissioner continued. "One is in Baltimore, where a 60kilocycle separation between two local stations is causing cross-talk in old-fashioned receivers. This separation should be ample, because two of the most powerful stations in the country—WEAF and WJZ are only separated by 50 kilocycles, and no trouble has been reported here.

"In the same way, I believe many complaints in Washington, D. C., are coming from persons having improperly arranged antenna or crystal sets or earlier models of receivers."

Mr. Caldwell announced that a rearrangement of the antenna at Station WNAC, in Boston, promised to bring an improvement. A delegation from Boston, headed by the Attorney General of the State went to Washington last week to further consult Commissioner Caldwell with regard to the station.

Commissioners Lafount and Sykes of the western and southern zones, respectively, said they had had few complaints.



*Falck
Model 6A
Complete
with 8 tubes
and genuine
Magnavox
Dynamic
Speaker—\$160*

The Radio without an equal in value

Once you have seen and heard the new Falck models your search for perfect radio reception is at an end. The Falck 6A, equipped with the latest power-type Magnavox Dynamic Speaker, is creating a sensation. Creating a sensation in spite of limited production. It is useless to try to describe this single dial 8-tube set. See and hear it. You won't be satisfied with anything else — in beauty, tone or value.

Falck

ALL-ELECTRIC* RADIO

*Since August, 1926

Any of the dealers listed below will be glad to demonstrate the new Falck Radio Models to you in your own home, without obligating you in the slightest degree.

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Coast Furniture Co.
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A. W. Cooper
1315 1/2 W. 39th St. VE. 0767.
Danz Music Co.
105 N. Spring. TU. 1264.
George W. Dewey
5125 S. Western Ave. VE. 7744.
Eddie's Electric Shop
3408 Glendale Blvd. OL. 4209.
Golden Gate Radio Co.
(West Coast Theatre Arcade)
5180 Whittier Blvd. AN. 7983.
Holmlund Bros. Furn. Co.
6707 S. Broadway. TH. 4486.
L. & Y. Electric Co.
8864 W. Pico. OX. 1509.
Paramount Radio & Electric Co.
5515 Santa Monica Blvd. HE. 8473.
Peoples Outfitting Co.
3990-96 S. Vermont. VE. 3143.

Geo. R. Schofield, Inc.
3550 Whittier Blvd. AN. 3221.

H. H. Walker Electric Co.
1323 Venice Blvd. BE. 1311.

Wheeler's Shop All Electric
112 N. Avenue 36. GA. 2208.

ALHAMBRA—Alhambra Music House
105 E. Main St. Tel. 1754.

GLENDALE—Roche Radio Service
1148 N. Central Ave. Douglas 5218.

LA HABRA—P. & M. Radio Store
109 W. Central Ave. 8565.

LONG BEACH—Kelm Radio Co.
147 E. 4th St., Cor. Locust. 618-329.

Volland's Radio Studio
652 American Ave. Tel. 618-355.

Ward Bros. Radio Studio
2909 E. Anaheim. 347-242.

PASADENA—The Song Shop
16 S. Raymond Ave. WA. 2919.

REDONDO BEACH—Electric Radio Shop
(Paul Eich) Arcade Bldg.

WALNUT PARK—Lettney's Furn. Store
2680 E. Florence Ave. DE. 3245.

WATTS—Clark & Ischer
9625-9627 Holmes Ave. DE. 1254-R1.

Falck Models

Climax Model—\$99.50. Six tubes, including rectifier tube. All-electric operation. Completely self-contained in an artistic console cabinet. A wonderful set at this low price.

Falck Model 6B—\$139.50. An eight-tube, single dial controlled set. Improved built-in cone speaker. Completely enclosed in a beautiful walnut cabinet.

Model 6A—\$160.00. Eight tubes including 4 Radio Frequency tubes and Rectifier tube. Built-in power type genuine Magnavox Dynamic Speaker. Beautiful walnut cabinet.



Manufactured and Guaranteed by

ADVANCE ELECTRIC COMPANY
1260 W. Second St. Los Angeles, Calif.
Pioneer Manufacturers of Radio Equipment

WLW, WGN Received Like Locals!-

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Kc.

Selectivity



Single
Dial
Control

Verniers
for
Long
Distance
Tuning

De Luxe Model Sargent-Raymont Screen Grid Seven

Long Distance Reception Without Precedent

Imagine WLW, Cincinnati, Ohio, being received here on the Pacific Coast with such a wallop that full volume cannot be used. WGN, Chicago, the same way! This is not the ordinary type of long distance reception—it's like local. Yet, with the Sargent-Raymont Seven it is a nightly occurrence.

Long distance reception, as effected by the Sargent-Raymont Seven, is not being duplicated, or even approached, by ANY other receiver now on the market—regardless of number of tubes or type of circuit used. This set has to be heard to be fully appreciated. Except for whatever local background noise happens to be present, long distance stations come in with the sharp, clear, life-like tone of locals. There is no regeneration, no oscillation in the Sargent-Raymont Seven. Long distance reception is accomplished by the building up of a signal by TRUE RADIO FREQUENCY AMPLIFICATION. The build-up is tremendous. Four stages of radio frequency amplification, with screen grid tubes, each stage tightly sealed to prevent leakage to the next, build up the smallest ripple of an ether wave into a powerful loud speaker signal.

There are other sets that get WLW and WGN. They do not get them the way the Sargent-Raymont Seven does! There is more power, more amplification, in one screen grid stage than in four stages of amplification with any other kind of tubes, and this includes A.C. tubes, 226s, 227s, 201-AE, and 112s. Sets using these other tubes depend upon regeneration for sensitivity. The result, a rounding off of the tone quality that makes it sound as if coming through a barrel. Take away the regeneration, clear up the tone, and nothing but locals are left on the dial. Not so with screen grid tubes. These tubes mark a new milestone in radio progress. Next year they will be found in all of the leading radio sets. They are in the Sargent-Raymont Seven THIS YEAR.

Prices

For the kit—Grained aluminum finish, \$130.00;
crackle crystalline finish, \$140.00.
For the built-up set—Grained aluminum finish,
\$150.00; crackle crystalline finish, \$160.00.

Distributed to the Trade West of
the Rockies by

**RADIO CONSTRUCTORS
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357 Twelfth St., Oakland, Calif.

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1629 S. Hill St., Los Angeles

For the "B" Supply "B" and Power Amplifier

For the finest in radio reception, the 350 tube in the second audio stage is an unquestioned necessity. We offer here the best power unit on the market to handle this high power tube. Silver-Marshall 675-ABC supplies all voltages needed for filament, plate, and grid of the 350 tube. Put the tube in the last audio socket of your set, run it from the 675 unit, and run the "B" power for your whole receiver from this unit also. Voltages of 425, 135, 90, 67, 22. Will handle any set. Ideal for the Sargent-Raymont Seven. Price, less CX-381 tube, \$58.00.

The Best "B" Supply

The difference between an ordinary "B" supply and a good one is in its reserve power, which in turn depends upon its filter and transformer design. Large size wire on the transformer will let through more milliamperes without voltage drop. A large filter condenser will store them up ready for delivery when a powerful low note comes through on the receiver. On the strong, low notes, a weak eliminator will cause "blasting"; a good one will not. We endorse the Silver-Marshall 670-B as the best "B" eliminator made. Look at its size, its construction, then judge for yourself. Has voltage taps for 180, 135, 90, 22 to 90 variable, and 22. Will handle 12 tubes or more. Price, less CX-380 tube, \$43.50. Buy it from the concerns listed below.

"B" Stabilizer

To make Sargent-Raymont Seven as smooth on eliminator operation as on batteries, try a Sargent "B" Stabilizer. Price \$12.50. This unit is designed to stop motor-boating on any sets operated from standard "B" eliminators.

Where To Buy



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the
Appointment of

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CORPORATION

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1135 Wall St.
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*California Distributors
for the Famous*

Peerless
REPRODUCER



STUDIO NEWS

Wint Cotton, the man on the cover, has returned to KPLA after an absence of almost a year, during which time he entertained over KFRC, San Francisco. Mr. Cotton may be heard singing popular numbers and ballads over KPLA regularly every Sunday evening from 9 to 10 o'clock and at other times during the week.

Schubert's Symphony No. 7, played by the London Symphony Orchestra and directed by Dr. Leo Blech, and Rachmaninoff's Symphony No. 2, by Cleveland Orchestra, will be presented by electrical reproduction over KFRC next Sunday, December 9, at 2 p. m.

Peggy Price, well known in Los Angeles as a sweet blues singer, and Craig Keitch, tenor soloist with Carol Laughner's orchestra, are singing over KTM daily from 1 until 2 p. m. Mabel Wilson is the accompanist.

An hour of music, featuring the Abas String Quartet, will be heard Friday from 9 to 10 p. m. over KPO. Audrey Farncroft, guest artist, will be heard in a soprano solo.

All its program hits of 1928 will be passed in review when KOA, the Rocky Mountain broadcasting station of the General Electric Co., celebrates its fourth anniversary, December 15.

The greatest array of talent ever assembled in its studios will perform before the Denver station's microphone that night. It will be a night of revelry, from 9:30 p. m. to 1 a. m.

KPSN is broadcasting a Tea Time Concert daily, except Sunday, from 4:30 to 5 p. m.

Dr. W. E. Edmonds of the Glendale Presbyterian Church will give a talk over KTBI Tuesday, December 11, at 11:30 a. m.

The Louise Moody Concert Trio with Eva Fay, baritone, and Glen Pierce, tenor, will be heard over KMIC, Friday, December 14, at 9 p. m.

Tom Breneman, late of "Tom and his Mule Hercules" fame, is back at KNX with a program sponsored by Dr. Strasska. See KNX detailed program for hours.

KFWB presents Vincenzo Pometti's Concert Orchestra with Vernon Rickards, tenor, on Tuesday, December 11, at 8 p. m.

On Tuesday, December 11, between 9 and 11 p. m., The Historical Story of Finance, musically illustrated and written by Jean Campbell Macmillan, over KEJK.

Colburn's Old Time Dance Orchestra, directed by William Colburn, will give a half hour of old time dance pieces over KPCB from 7:30 to 8 p. m., December 13.

Sparkling dance music, played by the Clicquot Club Eskimos at New York, will broadcast through a nation-wide network of the NBC system stations Tuesday, Dec. 10th, from 7 to 7:30 o'clock, Pacific standard time.

The Clicquot Club Eskimos, popular entertainers on Eastern radio programs, were introduced to the Pacific Coast a week ago in the first of their new trans-continental broadcasts.

They offer listeners syncopated dance melodies in original arrangements, playing under the direction of Harry Reser. Reser's banjo solos are features of their programs.

The broadcast will include a new fox trot arrangement of "Dardenella," and "It All Comes Out in the Wash" and "Lady Fingers," also fox trots.

MAGNAVOX *"Dynamic"* SPEAKERS



**"FIRST
SPEAKER
FIRST
DYNAMIC"**

LICENSED APPARATUS
DYNAMIC
THE MARK OF THE GENUINE

The most undeveloped musical ear appreciates Magnavox richness of tone. The low notes are there yet not over-emphasized, and the high notes are heard in pure form without distortion. The Magnavox Beverly, above, is the popular table model. Walnut cabinet with artistic lines. AC \$60, DC \$50.

WHOLESALE DISTRIBUTORS

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LEO J. MEYBERG CO.
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WESTERN RADIO, INC.
1224 Wall St., Los Angeles

THE STUDIO

Below — This glimpse into the studio of KGFJ shows three popular radio artists: Esther Kahn plays syncopated accompaniments to the clever blues numbers for which Rae Silverman is famous over the entire Pacific Coast. Madelon Coughlan offers the violin accompaniment. Miss Silverman assisted by Miss Kahn may be heard daily over KGFJ from 12:00 noon till 1:00 and on Sundays at 3:30.



At Left—Edward Lynn, famous to radio fans for his Children's Hour over KMTR, collaborated with Charles Wakefield Cadman on his latest composition "The Rivets" which was presented for the first time at Mr. Cadman's request over KEJK, Thursday, November 29th. Mr. Lynn is well-known for his poetry and children's stories and his hours over the air are awaited and enjoyed by many hundreds of adults as well as children.



No. 39 of a Series.



*With this
Christmas
Gift You
Give
Continued
Pleasure*

For Christmas, the whole family will enjoy a Jensen Dynamic Speaker. Not only is there a world of difference in Jensen sound reproduction, but to own a Jensen Speaker gives one that definite satisfaction which comes from owning the best.

An ideal Christmas gift that will give you radio entertainment according to the highest standards of modern reproduction.

JENSEN RADIO MFG. CO.

212 Ninth Street

Oakland, Calif.

Exclusive Southern California Distributor

YALE RADIO ELECTRIC CO.

1111 Wall Street

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1163 Front St., San Diego

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San Diego, Calif.

Pacific Wholesale Radio, Inc.
Folsom at 7th St., San Francisco

JENSEN

DYNAMIC SPEAKER

"The Finest in Radio"

Licensed under Magnavox Patents

? Questions and Answers ?

A Weekly Department Conducted by K. G. Ormiston, I.R.E.

QUESTION.—I have a Silver-Marshall shielded six, built a year ago, using screen grid tubes. Have been using B batteries, and would like to change to an eliminator. Do not want to bother with assembling an outfit. What standard eliminator can you recommend for my set?

F. H. KERNS, Los Angeles.

ANSWER.—Would suggest the Silver-Marshall 670B, which may be purchased completely wired and assembled. This new type incorporates the Clough combination selective and brute-force filter, has a total output of 60 milliamperes, and taps for 22, 90, 135 and 180 volts. An additional variable voltage of 22 to 90 is provided. It has sufficiently accurate voltage for use with screen grid tubes.

QUESTION.—I have a Grebe five-tube set using four 201A and one 112 tubes. Are there other tubes which I could use to better advantage in getting distant reception? Or what about a booster?

C. W. R., Los Angeles.

ANSWER.—Would not suggest changing the type of tubes, as the set was designed to function with particular types. But be sure that your present tubes are in good shape. It might be worth while to have them tested for emission and grid performance by a service man. Now the question of a booster. Would suggest the Campbell screen-grid AC booster, which is a tuned stage of RF amplification with screen grid tube and self-contained filament supply, readily attached ahead of your set. It will materially increase your range.

QUESTION.—In this neighborhood we are troubled with such tremendous electrical interference as to almost blanket our locals. I thought it might be in my set, but the dealer tells me that

they also get it at their store. Incidentally, all in the vicinity complain. What steps can I take to obtain relief?

H. M. K., Hollywood.

ANSWER.—The Interference Committee of the Radio Trades Association now has their expert working on Hollywood exclusively. You have taken the proper step by reporting the matter to your dealer, and your dealer, if he has not already done so, should immediately get in touch with Mr. George Walters through the office of the Radio Trades Association, Commercial Exchange Bldg., Los Angeles. Several sources of electrical interference in the Hollywood district have already been eliminated, and it is hoped that the whole area will be cleaned up in short order. One thing that is needed is the utmost cooperation on the part of the radio dealer. Under the plan now in force for handling interference, the listener-in should in no case complain to the public utility corporations, but should report his difficulties to the dealer from whom he purchased his radio.

QUESTION.—Could you tell me why it is that there is almost always a very active background of code signals when playing WGN? I have always understood that code was restricted to the short waves.

A. W. CROSBY, Los Angeles.

ANSWER.—The code signals which ride in with WGN are from NPL, the Naval station at San Diego. What you hear at WGN's wavelength is one of NPL's harmonics, as the station is transmitting at long wavelength considerably above the broadcast band, but an even multiple of the frequency falls at 720 kilocycles. This can only be remedied by making enough noise about it so that the Navy Department will take steps to eliminate the harmonic. It practically ruins reception from WGN all over Southern California.

DO YOU KNOW THAT A Stage of R. F. added to Silver-Marshall, Remler or Magnaformer Supers eliminates harmonics and increases Volume and Selectivity? Let me prove it to you. Set on Demonstration.

JACK CHENEY, 1759 W. 39th St. Tel.

UNiversity 6088

Los Angeles



Through the courtesy of the Sunset Mfg. Co. of Los Angeles, a Sunset Aerial will be given each week as first prize, and a Sunset Ground as second prize, for the two best DX letters. In addition, Radio Doings will send a special "Logging Graph" with Map and Distance Chart to the writer of each DX letter published.

FIRST PRIZE

DX Club:

My new Amrad radio has fulfilled my fondest hopes, as I only purchased it a very short time ago and have logged all Western stations of importance and many foreign ones. The following is my log: KOA, WLW, WBBM, KSL, KEX, KGW, KJR, KMOX. Three Japs—JOHK, JOAK, JOCK, 4AG, Brisbane, and 3LO, Melbourne. And the big thrill came with SMSB, Sweden. I think this should entitle me to membership in the DX Club, considering what a short time I have had my set.

C. L. WADE,
3912 $\frac{1}{2}$ Mt. Clair St.,
Los Angeles, Calif.

SECOND PRIZE

The DX Club:

Having been one of the first radio experimenters in Southern California to assemble and test out the new S-M 720 Shfeld Grid Six, I feel I should let readers of the "DX" page know about the results I have had so far with this amazing set.

The real DX season has hardly begun as yet, but I find the S-M 720 knows no season except constant performance.

Following is a partial list of stations heard (all on the Magnavox Dynamic speaker):

KMOX, St. Louis; WBAP, Fort Worth; WFAA, Dallas; WGN, WENR, Chicago; WSAI, WLW, Cincinnati; CFCT, Vancouver, and two stations seldom found in DX lists,—WKY, Oklahoma City, and WLAC, Nashville, Tennessee.

Stations, such as KFRC, KSL, KEX, KPO, etc., are, of course, practically locals for this receiver.

The new Clough designed S-M Audio Transformers give the set a tone quality that is matchless—as all agree who have listened to it.

Inquiries regarding this set will be welcomed by the writer.

EARL G. DeHAVEN,
5136 Victoria Ave., Los Angeles, Calif.

This week's gold-plated grid-leak drip-pan surely goes to one Paul Potter, who sends in a verification letter from some unpronounceable place on tother side of the world. Just when all our members were gloating in contentment over six or eight Japs and a couple of Aussies, and everybody had decided that he or she owned a darned good radio set and it was a great DX season, along comes this little surprise package. Now the DXers will go around with a wild-eyed look until they, too, have tuned in this particular radiotelephonice feller. Oh, well—here's the dope:

Praha, 5th November.

Paul J. Potter,
712 S. Main St.,
Los Angeles, California, U. S. A.

Dear Sir:—

We are in receipt of your letter of the 28th Sept. and we have much pleasure to read that you have heard our broadcast station PRAHA on the 28th Sept. If you have tuned your station approximately on 349 meters it is very likely that you have heard our radio emissions, the station of ours having a wavelength of 348.9 meters.

Especially if you have heard a speaker announcing "Radiojournal Praha Czechoslovakia" you can be sure it was our program which contained on the said evening numbers you mentioned.

We enclose a photo of our station and hope you will listen to our emissions more frequently.

Yours sincerely,
Radiojournal,
Ceskoslovenske Zpravodajstvi,
Radiotelefonicke Spol. S. R. O.
(Continued on Page 58)

BT Counterphase 8 — World's Greatest Radio — Sold with a Distance Guarantee. H. A. Everest, 7406 Melrose Avenue. OREGON 4702.

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the realm
of Radio,
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the premier of all receiving sets, in a beautiful console, complete, with tubes, ready to plug into your light socket . . .

\$242.50

In all the realm of radio there is no other value like this. The famous, exclusive SPARTON EQUASONNE principle of full-wave-band tuning EQUASONNE selectivity, which brings in the desired station clear and sharp and eliminates all interference from other stations EQUASONNE richness and fidelity of tone EQUASONNE capacity and volume, which enable you to hear at room volume 300 per cent more stations than you ever have heard before.

All this, in a beautiful console cabinet, complete not a single extra to buy for only \$242.50, and on convenient terms if desired.

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Five models, beautifully encased, moderately priced, \$210 to \$950 complete



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"The Pathfinder of the Air"

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7th and Figueroa. ME 1840.
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1404 19th St. 1280.
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221 W. Covina Blvd., Covina 674-23.
BANNING: Bruce Danney
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421 Beverly Dr. OX 7133.
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BURBANK: Glen Oaks Radio Shop
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Newwood's, 250N. San Fernando Blvd.
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CHINO: Geo. Perry Phone 8111.
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CORONA: Coplan Radio Co.
320 W. Sixth St.
CORONADO: Coronado Radio Elec. Co.
1128 Orange Ave. Phone 600.
COVINA: Kirby Peyton
Phones 45002 or 21101.
CULVER CITY: Radio Electric Shop
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DOWNEY: H. P. Myers
223 N. Crawford Ave. Phone 4146.
EL CAJON: Lyon Appliance Co.
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EL CENTRO: Imperial Valley Hdwe. Co.
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17164 Ventura Blvd. Van Nuys 6011-22
ESCONDIDO: Young's Music Co.
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FALLBROOK: E. B. Waiton
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LA HABRA: E. L. Luchin
Whittier 8562.
LA JOLLA: C. H. Messner
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LA MESA: La Mesa Music Co.
Box 814. Phone 130-J.
LA VERNE: La Verne Radio Shop
Phone 1277.
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1009 Wardlow. 414-654.
Barker Bros.
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Harris Radio Service
192 Corona Ave., Belmont Shore
Jensen Radio Co.
167 Americana Ave. Phone 667-30.
McCrary Music Shoppe
228 Pine Ave. Phone 640-14.
Mills Electric Co.
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OCEAN PARK: Pier Ave. Radio Co.
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ONTARIO: R. J. Tobey
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We offer you just about that.

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Every Eveready Layerbilt "B" Battery has the word "Layerbilt" printed large on the label. Look for that word, to make sure you get the real, longer-lasting Eveready Layerbilt.

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Stewart Warner, the Director



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Marion Byron, a Hal Roach Studio featured player, has discovered that she can get the best dance orchestras and skillful physical directions via the Stewart-Warner radio. Radio fans on the Pacific Coast are finding that they can get the best of entertainment and instruction through the ether and are more and more making constant use of their radio receivers.

Stewart-Warner sets are distributed in Southern California by Western Radio, Inc., and the Stewart-Warner Sales Company.

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Matched-Unit Radio

Dynamic Console!



A Distinctive
High-Boy
Antique Finish
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\$198.50
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The Same
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New Amazing Features!



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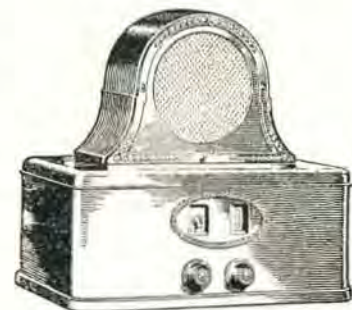
Realism in Radio

A small compact cabinet, finished in beautiful bronze Moire, completely shields the entire set. One control for tuning, one for volume. Gold-plated illuminated dial, calibrated by wave-lengths. Phonographic pick-up receptacles, re-creating record music equal to any new-type phonograph.

1929 ALL ELECTRIC \$98⁵⁰
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Model 802
Model 802 is the same as 801, but with
Built-on Magnetic Speaker—a compact,
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Call on the Stewart-Warner dealer. See and hear these wonder sets. Install one in your home for permanent radio enjoyment. The name of its maker is an unquestioned guarantee of enduring satisfaction.



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Stewart-Warner Dealer
In Your Neighborhood

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MOLE ROTHERS, 5912 S. Vermont

S. A. MCCOY, 4566 Whittier

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Ulrich Bros., 2042 S. Garfield

ANAHEIM, Janus Radio Serv., 177 W. Center St.



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Arcadia Radio & Electrical Supply, 18 N. First Ave.

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

ATASCADERO, Golden Way Radio, Box 385

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BARSTOW, Barstow Garage

BELLFLOWER, Bellflower Electric Shop

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Bell Music Co., 434 North Beverly Blvd.

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CHINO, Sofer Bros., 356 Central Ave.

COLTON, H. G. Bills, 152 N. Ninth St.

COSTA MESA, A. W. Arnold, Newport Blvd.

COVINA, H. R. Houser

CULVER CITY
Boulevard Hdw. & Elec. Co., 6547 Washington Blvd.

EAGLE ROCK, C. H. Hulbert, 1588 E. Colorado Ave.

EL MONTE, The Radio Shop, 408 W. Main St.

EL SEGUNDO, Brewer Radio Electric, 139 Richmond St.

ENCINO, Eugene R. Weber, 17164 Ventura Blvd.

FILLMORE, Halstead Auto Elec., 348 Santa Clara St.

FULLERTON, E. B. Finesth, 113 E. Commonwealth

GARDENA, Don Spears, Don's Radio Shop, 809 W. 165th St.

GLENDALE
Bogos Radio, 201 North Brand Blvd.

B. & M. Radio Co., 152 1/2 W. Los Feliz Rd.

Glendale Elec. Co., Grand and Glendale Aves.

Pacific Radio Store, Broadway and Pacific

Roche Radio Service, 1148 N. Central

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Matched-Unit Radio

The name Stewart-Warner is an unquestioned guarantee of enduring satisfaction. \$50,000,000 in resources is behind each of these dealers.

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HOLLYWOOD, The Barrows Co., 5345 Sunset

HUNTINGTON PARK, California Radio Stores, 233 Pacific Blvd.

Hurst-Klinberg Sales Co., 6614 Pacific Blvd.

INDEPENDENCE, Inyo Furn. & Hdw. Co.

INDIO, C. W. Woodhouse, Box 568

INGLEWOOD, A. L. Beagle, 402 S. Market

LA CRESCENTA, La Crescenta Hdw. & Radio Co., 2912 Michigan Ave.

LA HABRA, La Habra Electric Co.

LONE PINE, Owens Valley Elec. Co.

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Electrique Radio Co., 1719 E. Anaheim

General Speedometer Co., 510 Anaheim

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R. M. Mattson Music, 329 American Ave.

Houlette Music Co., 622 Pine Ave.

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MARICOPA, T. N. Keckler, 316 California Street

MAYWOOD, Fred's Radio Electric Shop, 3698 Slanson Ave.

MONROVIA, Arthur A. Ross, 504 S. Myrtle

MONTROSE, L. & L. Radio Service Shop, 2283 Holoahu St.

NEWALL, Triangle Gargars, P. O. Box 215

NORCO, E. L. Upham Drug Store, Box 8

NORTH HOLLYWOOD, Al W. Bryant, 5239 Lankershim Blvd.

NORTH LONG BEACH, Akers Bros., 5440 Long Beach Blvd.

OCEAN PARK, Crescent Tire & Supply Corp., 2005 Main St.

DJAI, Loring Farnum

ONTARIO, R. F. Price Tire & Supply, 111 S. Lemon St.

ORANGE, Roy A. Sands, 135 S. Cypress

OWENSMOUTH, Earl M. Heas, 21523 Sherman Way

OXNARD, H. C. Marvin, 137 Fifth Street

PACIFIC PALISADES, Winton C. Hoek

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Scribner & Knapp, 1767 E. Washington St.

Service Radio Shop, 1164 E. Colorado Ave.

Wilson Music Co., 180 E. Colorado

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PICO, Pico Radio Shop, 416 E. Whittier Blvd.

POMONA
Harrison Fitch Electric Co., 383 W. Second St.

George W. Hiett, 183 E. 3rd St.

No. Battery Radio Co., 223 N. Garey Ave.

Schwartz and Helmerl, 228 W. Second St.

PUNTEA, S. A. Peet, 112 W. Main Street

REDONDO BEACH, Campbell & Fraley, 401 S. Catalina

Service Radio Electric Co., 103 Emerald St.

REDLANDS, Dale E. Silger, 414 Orange St.

RESEDA, Prior Radio Shoppe, 18504 Sherman Way

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Shields Bros., 760 W. 9th St.

Tire & Rim Service Co., 505 West 8th Street

SAN BERNARDINO
Brown Electric Co., 414 Base Line Ave.

Radio Laboratories, 740 Magnolia Ave.

Tonnason's, 6th and "D" Sts.



Whiteside Music Co., 384 "E" St.

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SAN FERNANDO, Lewis Furniture Co., Mission Pharmacy, 901 Porter Ave.

SAN LUIS OBISPO
Cline Elec. Co., 286 Monterey Street

Rogers Radio Shop, 68 Haguera St.

SAN MARINO, San Marino Elec., 2495 Mission St.

SAN PEDRO, Johnson Radio Service, 9th at Gaffey

SANTA ANA
Robert S. Gerwing, 312 N. Broadway

SANTA BARBARA
"Doc" Davis, "DX," 650 Chapala

Hendricks Music House, 1015 State Street

SANTA MARIA, Saladin Music Store, 128 S. Main St.

SANTA MONICA—Santa Monica Radio Co., 305 Santa Monica Blvd.

SANTA PAULA
Fay Harwood

Lloyd's Automotive Service, 122 S. Mill Street

SAWTELLE, Wells Hardware Co., 11312 Santa Monica Blvd.

SHAFTER, Henry C. Neufeld, Neufeld's Corner

SOUTHGATE, DeLuxe Radio

Southgate Radio Co., 804 Seville Ave.

SOUTH PASADENA, The Radio Electric, 1101 Fair Oaks

Cross Radio Service, 1018 Mission St.

Weber & Neves, 1757 Garfield Ave.

TAFT, Taft Music Co., Cor. 4th and North Sts.

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BX	(199)	General Purpose	UX small	Dry
C	(199)	General Purpose	UV large	Dry
E	(120)	Power Amplifier	UX small	Dry
F	(112)	Power Amplifier, $\frac{1}{2}$ Ampere	UX large	Stor. or A. C.
FA	(112A)	Power Amplifier, $\frac{1}{4}$ Ampere	UX large	Stor. or A. C.
G	(240)	High Mu-Resistance or Impedance Amplification	UX large	Stor.
RF-22	(222)	Four Element Shielded Grid	UX large	Stor.
AC-22	(222)	Four Element Shielded Grid	UX large	A. C.
O1-B	—	$\frac{1}{2}$ Amp. Detector or Amplifier	UX large	Stor.
H	—	Detector (Non-Critical)	UX large	Stor.
J-71	(171)	Output Amplifier	UX large	Stor. or A. C.
JA	(171A)	Power Amplifier, $\frac{1}{4}$ Ampere	UX large	Stor. or A. C.
K	—	Radio Frequency Amplifier	UX large	Stor.
L-10	(210)	Power Amplifier	UX large	A. C.
L-50	(250)	Power Amplifier	UX large	A. C.
M-25	(226)	A. C. Amplifier	UX large	A. C.
N-27	(227)	A. C. Detector or Amplifier	5 prong	A. C.
R-80	(280)	Full Wave Rectifier	UX large	A. C.
R-81	(281)	Half Wave Rectifier	UX large	A. C.
S-27	—	A. C. Detector or Amplifier	UX large	A. C.

with side contact pins

Made by

C. E. MANUFACTURING CO. :: Providence, R. I.

Distributed by

RADIO SUPPLY CO.

H. A. DEMAREST, President

912-914 S. Broadway

VA. 6063

Los Angeles, Calif.

WHOLESALE

Largest Radio Parts Jobber West of Chicago

The Parts Warehouse of the West

The Radio Supply Co., located at 912-914 South Broadway, Los Angeles, has been engaged in the jobbing of radio parts since 1923 and during that time has seen a most substantial growth in their parts business, having grown from a modest radio establishment to one of the most widely known jobbing houses

employed in the building and maintenance of receiving sets, as well as all accessories pertaining to broadcast reception, but also through their prompt and courteous treatment.

This company was formerly located at 920 South Broadway, but their rapid growth compelled them to seek more



in the country, and is rightly named "The Parts Warehouse of the West."

It enjoys the patronage of many thousands of radio dealers and custom-built set builders, acquiring this extraordinary clientele not only through the fact of their carrying the largest stock of nationally advertised parts in the West, their stock including all products em-

commodious and advantageous quarters, resulting in their acquiring and occupying the entire building at 912-914 South Broadway, their present location.

The business of this company was built on the foundation of "SERVICE," their complete stock of thousands of parts enabling their customers to have

(Continued on Page 39)

GOSILCO
GOLD OVER SILVER ON COPPER

SUPER AERIAL WIRE

The Golden Gate to Better Reception

BEST BY NAVY TEST

"Our first tests on GOSILCO Wire showed that its high frequency resistance is very low, the lowest of any metals or alloys we have tried."

**NAVAL RESEARCH LABORATORY,
Bellevue, Anacostia, D. C.**

No. 14 cooper wire heavily plated with Pure Silver and protected with 24-K Gold.

Advantages

50% More Volume — 35% Better Selectivity — Improved Tone — Greatly Increased Distant Reception — Non-Corrosive

Endorsed by K. G. Ormiston, Gerald Best, Montgomery Ward Engineers, Major Mott, Radio News Laboratory and hosts of others.

100 feet, \$4.00; 75 feet, \$3.25; 50 feet, \$2.50

Your dealer has GOSILCO or will get it.

Over 50,000 GOSILCO Aerials in Use
There's a Reason

Manufactured By

GOSILCO RADIO PRODUCTS

Huntington Park, California DE. 3940

Pat. Applied For.

Distributed by

RADIO SUPPLY CO.

H. A. DEMAREST, President

912-914 S. Broadway

VA. 6063
WHOLESALE

Los Angeles, Calif.

Largest Radio Parts Jobber West of Chicago

The Joys of Set-Building

By HAL DAVIS

The one great defect of our otherwise marvelous "Mechanical Age" is that **too much** is being done for the average individual. A very few brilliant technical and artistic minds conceive and create luxuries—whether it be in the line of comfortable transportation, home comforts and decoration, or in the vast field of mechanical reproduction and transmission of music. These luxuries are in turn made commercially practical by a few brilliant factory production experts; then a few daring and far-seeing merchandisers step in and solve the difficult details of efficient distribution to the average citizen, Bill Perkins.

Bill Perkins, in turn, is too often a cog in the vast industrial machine, doing certain specified duties daily in office or shop, in harmony with the modern idea of "division of labor." He may have talents along many lines, but these must all be **suppressed** during his daily task; he is not paid for being individual, but only for being **efficient**.

So Bill, though earning a fair wage, is unhappy and doesn't know **why**, when the real underlying reason is that his **Creative Instinct** is finding no adequate expression.

Suppose, now, that Bill has just average mechanical skill—likes to do odd jobs with tools. The idea of "Building a Radio" is broached to him by a friend or through the printed word. Bill wonders whether he can do it, but it is shown that it is not so awfully difficult if he will follow a printed diagram and instructions given in a technical Radio magazine or book.

One night Bill comes home smiling with a mysterious-looking bundle under his arm. He hurries through his supper, to the distress of his good wife, then repairs to his garage, where on his work-bench he unwraps and arranges the shiny new parts of the Radio "Kit" he has bought. Interested? "I'll tell the world!" Why? Because

he's **making** something, by gosh, and not for somebody else, but for **himself**, and for his family to enjoy! There's a new gleam in Bill's eye as he wields screw-driver and soldering-iron and begins to see **his** receiver grow and take form under his very eyes. He hates to quit and go to bed that night, and next day he plans to get home as early as possible to go on with his job.

And then picture the Great Moment, when the set has been assembled and wired, connected to aerial and ground, and the old juice is turned on for the first time! Wife, children, and even the family dog and cat, are waiting in awe-struck silence while Dad fusses around with the last few connections. And **then!**... Oh, **Boy!**... What a G-r-r-r-rand and Glorious Feeling when that ol' jazzband booms in with Gershwin's "Rhapsody in Blue"! Natural as anything! Everybody smiles, and the kids shout, "Gee, Dad, that's a **keen** Radio!"

Do you think that at this moment Bill Perkins would trade his set, his brain-child, for the fanciest factory model that ever came down the pike in its nifty walnut cabinet? Not if he knows it!

So now, dear Radio Readers, you see why the Parts and Kit business continues to prosper in spite of other trade developments, because it is rooted in a Fundamental Human Instinct—the **Creative Urge**.

Radio Supply Co.

(Continued from Page 37)
their wants immediately supplied, instead of being compelled to wait from two to three weeks for delivery from the eastern manufacturers.

In addition to supplying the demands of dealers on the Pacific Coast and the Western States, this company has a large patronage in Canada, Mexico and the Hawaiian Islands, due to the excellent efficiency of their shipping department, as mail and telegraph orders are filled and shipped the same day orders are received. Just another evidence of "service" which can be expected and is received from this enterprising concern.

The Radio Supply Co. extends a most cordial invitation to the radio dealers and public to visit them, examine their stock and be convinced that they are rightly named "The Largest Radio Parts Jobber West of Chicago."

**VELVET
Socket-B
power for
your Radio**



**list price
less tube
\$26.⁵⁰**

A REALLY FINE PRODUCT AT A POPULAR PRICE

An entirely new Development in B-Eliminators, of advanced simplicity of design. Velvet Silent Hum-Free Output.

Safety Voltage Adjustments that Protect Tubes. Using the same rectifier tube as the highest priced A. C. sets; the U. X.-280.

Runs set up to six tubes and gives full 180 volts for 171 Power tube.

Licensed Under RCA Patents

V NATIONAL VELVET, B

Type 5580

Write us for Bulletin 132-RD

NATIONAL CO., INC.

ESTABLISHED 1914
W. A. READY, PRES.

MALDEN, MASS.

**Distributed by
RADIO SUPPLY CO.**

H. A. DEMAREST, President
VA. 6063

912-914 S. Broadway

Los Angeles, Calif.



NATIONAL Series—
Grid Short-Wave Re-
ceiver,—a non-radiating
circuit now in successful
and country-wide use. Es-
pecially adapted for S.W.
Broadcast Reception. Has
round-the-world range.

The National Shield-Grid Five

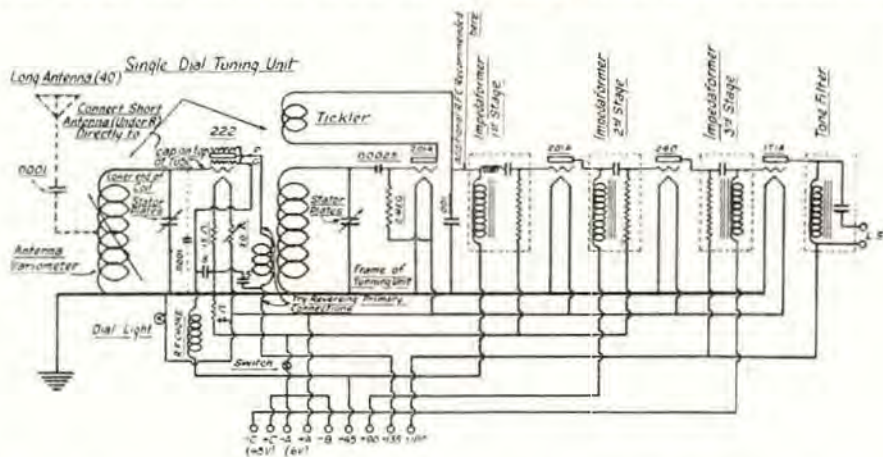
When one of the new UX-222 tubes is used with an R. F. transformer, in connection with the Browning-Drake circuit, not only is the sensitivity or distance-getting ability of the receiver improved to a marked degree, but also the necessity for neutralization, and any tendency toward undesired oscillation of the radio-frequency stage completely eliminated. This condition results in better tone quality, as the regeneration in the detector circuit may readily be controlled without affecting the stability of the radio-frequency stage.

Moreover, by the use of the special National Browning-Drake Transformer with a high impedance slot-wound pri-

Receiver is very simple and straight forward.

There is only one long lead carrying R. F.—that from the plate of the UX-222 to the primary of the R. F. Transformer. This should be run below the sub-panel in as straight a line as possible. Other parts are located so that there will be no need of any other long R. F. leads. The heavy line in the diagram indicates the frame of the tuning unit, which is at ground potential. By connecting to this frame at convenient points as shown, the wiring is much simplified.

When first putting the receiver into operation, set the inductive trimmer (the



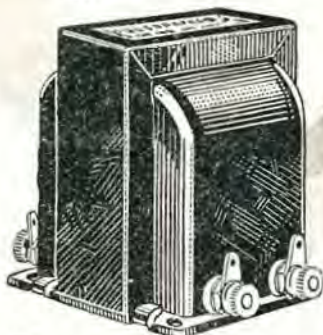
mary, the necessity for shielding is eliminated when proper care is given to the placing of the coils and condensers. This is fully covered in the National type 222 B-D Tuning-Unit, specified in the National Shield-Grid Five.

In performance, the National Shield-Grid Five, although so simple to build and operate, is capable of remarkable results. It is so sensitive that only a very few feet of antenna are sufficient for full volume D. X. operation. Three to five feet of antenna indoors should be sufficient in most cases for loud speaker reception from stations 1,000 miles away under good receiving conditions, and with such short antenna the selectivity leaves very little to be desired.

The actual assembly and wiring of the

knob on the left) in mid position, loosen the set screws on the tuning condensers and then carefully tune in a local station by moving the two tuning condensers separately. Thus the condensers may be brought into step. The screws can then be tightened and thereafter any slight variation may be compensated for by the trimmer. If the two condensers are not lined up, there will be broadness of tuning and lack of sensitivity. In tuning for distance stations, the use of regeneration in the detector circuit will be of great assistance, and it is possible because of the blocking action of the UX-222 to oscillate the detector and pick up stations by their carriers without radiating the squeals from the antenna and annoying the neighbors.

A NEW NOTE IN AUDIO AMPLIFICATION



THORDARSON R-300 AUDIO TRANSFORMER

Also

- Power Supply Transformers
- Double Choke Units
- Power Compacts
- Coupling Transformers
- Screen Grid Couplers

SUPREME in musical performance, the new Thordarson R-300 Audio Transformer brings a greater realism to radio reproduction. Introducing a new core material, "DX-Metal" (a product of the Thordarson Laboratory), the amplification range has been extended still further into the lower register, so that even the deepest tones now may be reproduced with amazing fidelity.

The amplification curve of this transformer is practically a straight line from 30 cycles to 8,000 cycles. A high frequency cut-off is provided at 8,000 cycles to confine the amplification to useful frequencies only, and to eliminate undesirable scratch that may reach the audio transformer.

When you hear the R-300 you will appreciate the popularity of Thordarson transformers among the leading receiving set manufacturers. The R-300 retails at \$8.00.

THORDARSON ELECTRIC MANUFACTURING CO.

Transformer Specialists Since 1895

**WORLD'S OLDEST AND LARGEST EXCLUSIVE
TRANSFORMER MAKERS**

Huron and Kingsbury Streets

Chicago, Ill., U. S. A.

Distributed by

RADIO SUPPLY CO.

H. A. DEMAREST, President

912-914 S. Broadway

VA. 6063
WHOLESALE

Los Angeles, Calif.

Largest Radio Parts Jobber West of Chicago

Thordarson Heavy Duty 250 Amplifier

There are times when the demands made on power amplifiers are not ordinary, when a great deal of undistorted power is essential for the operation of a battery of loud speakers. This may be a public address system, speech amplifiers, amplifiers for phonograph or broadcast music to operate several loud speakers and to deliver sufficient output to fill a large auditorium or theater or be audible over considerable area out-of-doors.

It is for purposes of this kind, rather than for home use, that we are giving data on the construction and operation of the 250 power tube in push-pull, with ample audio frequency amplification ahead of the output push-pull stage to insure sufficient voltage for efficient operation of the 250 tubes.

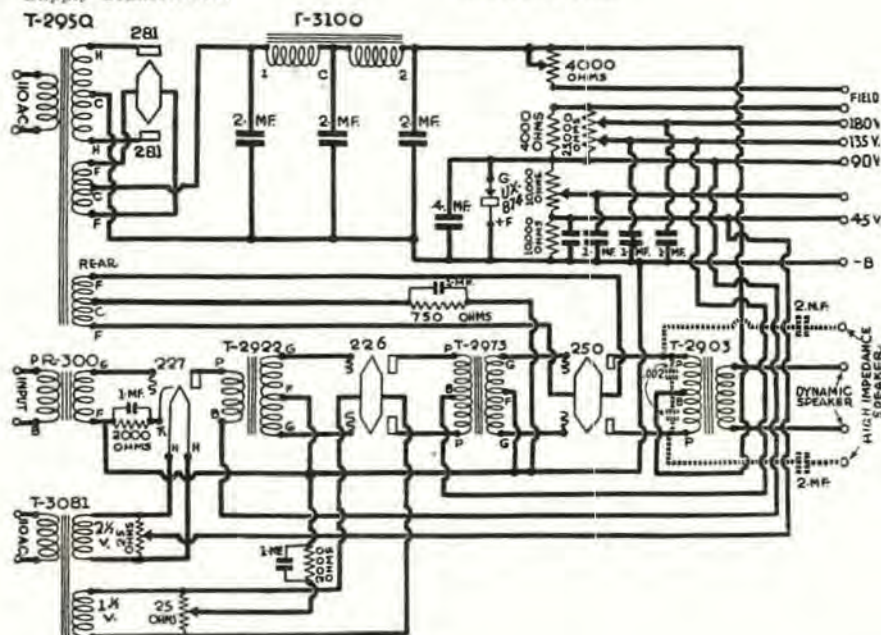
PARTS REQUIRED

- 1—Thordarson Type T-2950 Power Supply Transformer.
- 1—Thordarson Type T-3081 Filament Supply Transformer.

- 1—Thordarson Type T-3100 Double Choke Unit.
- 1—Thordarson Type T-2903 Output Transformer.
- 1—Thordarson Type R-2098 Resistance Kit.
- 1—Thordarson Type R-300 Audio Frequency Transformer.
- 1—Thordarson Type T-2922 Input Push-Pull Transformer.
- 1—Thordarson Type T-2973 Push-Pull Interstage Transformer.
- 1—250 Condenser Block—Polymet, Tobe or Aerovox.
- 5—1-mfd. Condensers, 200-volt—Polymet, Tobe or Aerovox.
- 7—UX-Sockets.
- 1—UY-Socket.
- 1—25,000 ohm 25 watt Fixed Resistance with 2 clips, Electrad.
- 2—25 ohm Center Tap Resistances (Carter, Yaxley).
- 2—2,000 ohm 25 watt Fixed Resistances (Electrad).
- 12—Binding Posts.
- 1—Baseboard (according to design).
- 1—Panel (according to design).

TUBES REQUIRED

- 2—UX-281 Rectifier Tubes.
- 1—UX-874 Voltage Regulator Tube.
- 2—UX-250 Tubes.
- 2—UX-226 Tubes.
- 1—UY-227 Tube.



SM

Why Go Without Either One?

It is true, of course, that the S-M 720 Screen Grid Six is designed for selectivity far in advance of any factory-produced set with which it might conceivably be compared. Distant stations are regularly brought in on channels only 10 or 20 kc. removed from powerful interference. The perfect shielding and unequalled quality of S-M coils takes care of that.

It is true, also, that sensitivity in the 720 is far greater than is looked for in six-tube sets—three screen-grid stages as S-M manufactures them being more than equivalent to four or five stages in an ordinary set.

Yet if these facts suggest that there is in the performance of this famous receiver any compromise whatever with tone quality requirements—all that is necessary is a single hearing of the S-M 720 connected to any modern speaker able to hold up its end of the test. Results will prove in every case that the revolutionary tonal possibilities of the S-M Clough-system Audio Transformers are nowhere more perfectly realized than here in the 720 receiver.

No wonder the S-M Screen Grid Six has repeated the history of past years in forging at once to the position of the **STANDARD OF COMPARISON** for quality-receiver performance.

Custom-built, complete in beautiful two-tone, brown-moire finished metal shielding cabinet, the price is only \$102. Complete kit, with pierced metal chassis and antique brass escutcheon, but without cabinet, \$72.50.



Super Power for Any Set at Moderate Cost

You can have it in your present receiver, without any change in the set whatever, simply by using a 250-type tube (with an adapter) in the last tube socket—with the new S-M 675ABC power supply. For AC-tube sets, it furnishes all ABC power. S-M 675ABC is priced at \$58.00 wired, or \$54.00 for the complete kit.



There are other S-M Screen-Grid Sets, available in complete kit form at from \$51.00 to \$130.00. The new 24-page S-M catalogue may be had free on request to the factory—with a sample copy of The Radiobuilder. Or if you do not build, yet want your radio to be custom made, let us refer you to an authorized Silver-Marshall Service Station near you.

MARSHANK SALES COMPANY
224 East Sixteenth Street

Southern California Representative
Los Angeles, California

SILVER-MARSHALL, INC., 876 West Jackson Blvd., Chicago, U. S. A.

Distributed by

RADIO SUPPLY CO.

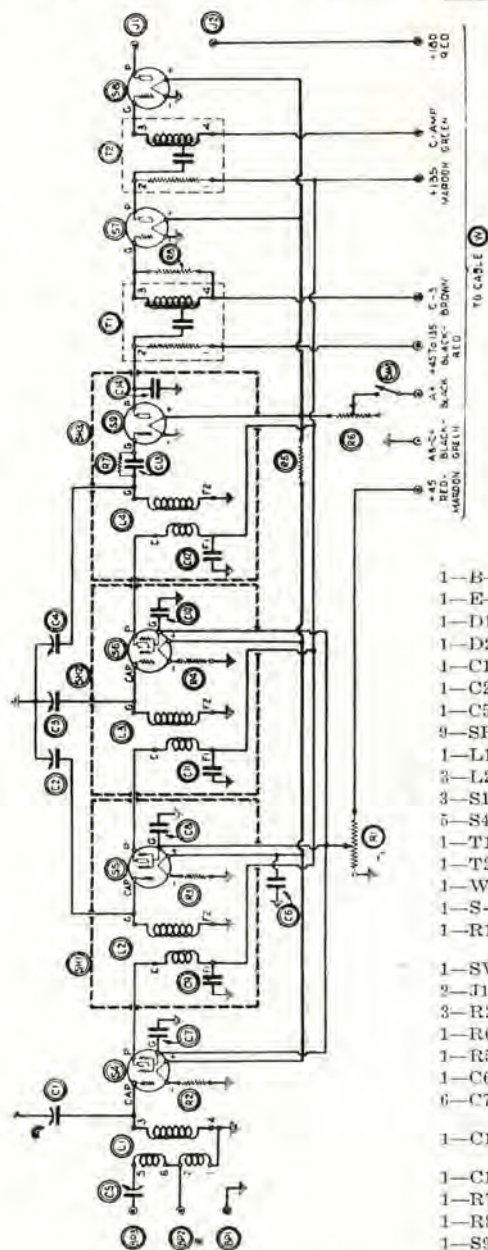
H. A. DEMAREST, President
VA. 6063
WHOLESALE

912-914 S. Broadway

Los Angeles, Calif.

Largest Radio Parts Jobber West of Chicago

Silver Marshall 720 Screen Grid Six



Here is the wiring diagram and complete list of parts for the new Silver-Marshall Screen Grid Six, known as the "720." It is a highly sensitive receiver, with marvelous tone quality. It is very easily assembled, so that even the novice may have no fears about undertaking its construction.

The key numbers given in the parts list correspond to those in the diagram. This is the most economical of the kit sets offered this season, and certainly gives a lot of radio performance and quality for each dollar.

LIST OF PARTS

- 1—B—S—M 701 Universal pierced chassis.
- 1—E—S—M 809 dual control escutcheon.
- 1—D1—S—M 806L (left) vernier drum dial.
- 1—D2—S—M 806R (right) vernier drum dial.
- 1—C1—S—M 320R .00035 mfd. Universal condenser.
- 1—C2—C3—C4—S—M .00035 mfd. 3-gang condenser.
- 1—C5—S—M 342B .000075 mfd. midget condenser.
- 9—SH1—SH2—SH3—S—M 638 copper stage shields.
- 1—L1—S—M 140 antenna coil.
- 3—L2—L3—L4—S—M 132A plug-in RF transformers.
- 3—S1—S2—S3—S—M 512 5-prong tube sockets.
- 5—S4—S5—S6—S7—S8—S—M 511 tube sockets.
- 1—T1—S—M 255 first stage A. F. transformer.
- 1—T2—S—M 256 second stage A. F. transformer.
- 1—W—S—M 708 10-lead, 5-foot connection cable.
- 1—S—M 818 Hook-up wire (25 ft. to carton).
- 1—R1—Yaxley 53000, 3,000 ohm midget potentiometer.
- 1—SW—Yaxley 500 switch attachment.
- 2—J1—J2—Yaxley 420 insulated tipjacks.
- 3—R2—R3—R4—Carter RU10, 10 ohm resistors.
- 1—R6—Carter A6, 6 ohm sub-base rheostat.
- 1—R5—Carter H1½, 1½ ohm resistor.
- 1—C6—Potter 104, 1 mfd. bypass condenser.
- 6—C7—C8—C9—C10—C11—C12—Sprague ¼ mfd. midget condensers.
- 1—C13—Polymet .00015 mfd. grid condenser with clips.
- 1—C14—Polymet .002 mfd. bypass condenser.
- 1—R7—Polymet 2 megohm grid leak.
- 1—R8—Durham .15 megohm resistor with leads.
- 1—S9—Naald 481XS cushioned tube socket.

Applause cards make it easy to show your appreciation for radio entertainment. RADIO DOINGS will mail you a quantity free on request.

**Now...Finest Music
on Radio whenever
you want it!**

*Amazing New Pick-up
hooks up Radio to
Phonograph — Plays
newest records—gives
wonderful tone—all
the volume you want*



**An unusual and
much appreciated
CHRISTMAS GIFT!**

PACENT Phonovox

The Pacent Phonovox provides all the mellow, wonderful tone and sweetness of big high-priced electric phonographs. Great to dance by. Enjoy all the big orchestras you rarely hear on radio. Simple—easily attached. Nothing to get out of order. Switches from radio to records instantly. Get one today.

Manufactured by

PACENT ELECTRIC CO., INC. • 91 Seventh Ave., New York City

Pioneers in Radio and Electric Reproduction for Over 20 Years

Manufacturing Licensee for Great Britain and Ireland, Igranic Electric Co., Ltd., Bedford, England

Representatives { J. P. Hermans, 58, Mission Street, San Francisco
Marshank Sales Co., 224 E. 16th St., Los Angeles

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VA. 6063
WHOLESALE

Los Angeles, Calif.

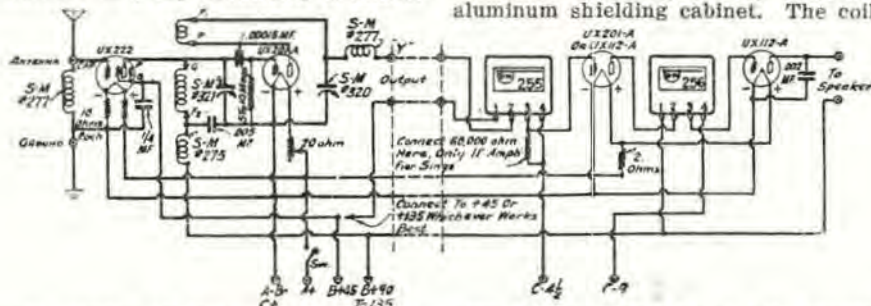
Largest Radio Parts Jobber West of Chicago

730 Round the World Four

Have you had your taste of the "thrill band"—the wavelength band from 17 to 200 meters? Down on these low waves are the foreign broadcasters—English 5SW with Colonial programs, Dutch, French, Russian, German and other re-broadcast programs. Down there you'll find KDKA, WGY, WLW, with low wave rebroadcasts that you can hear when static blankets out their regular waves. And television—it's on the low waves that you hear the musical sing-song that means the transmission of living pictures! In the "thrill band" you can hear amateurs in every continent, in almost

music programs from London, on the speaker!

The 730 Round the World Four is a complete short wave receiver and two-stage audio amplifier, using the new S-M 255 and 256 Clough audio transformers for high gain and ultrafine tone quality. It uses the new S-M 5-prong plug-in coils (131-T, 131-U, 131-V, and 131-W) to cover the whole range between 17.4 and 204 meters, efficiently and smoothly. All wavelengths are covered with no dead spots. The amateur bands fall well to the center of the tuning dial. The receiver is built into a very attractive aluminum shielding cabinet. The coils



every country, all in an evening—if you have an S-M "Round the World" short wave set.

The definite entry of Silver-Marshall into the short wave receiver field is heralded by the introduction of the "Round the World" short wave kits, with new and unique features. These trim little kits build up into receivers using one screen grid tube in a single stage of radio frequency amplification followed by a non-radiating regenerative detector. The regeneration control is smooth over the entire band—a vital necessity for the satisfactory reception of short wave telephone and broadcast programs. There is but one tuning dial, with variable vernier reduction, so that the tuning is not critical. A similar vernier dial controls the regeneration condenser.

The range for loud speaker reception is practically unlimited, it being regular practice to listen to five continents in an evening on the set. Radio Broadcast Laboratories reported listening to dance

plug into an S-M 512 socket mounted on top of the cabinet for easy and instantaneous wavelength change.

PARTS LIST

- 1—S-M 732 "Round the World" Essential kit
- 1—S-M 734 Aluminum Shielding Cabinet with terminal strip
- 1—S-M 255 First Stage AF Transformer
- 1—S-M 256 Second Stage AF Transformer
- 3—S-M 511 Tube Sockets
- 1—Yaxley 20-ohm Midget Rheostat
- 1—Yaxley Rheostat Switch Attachment
- 2—Yaxley No. 420 Insulated Tipjacks
- 1—Naald 481XS Spring Socket for Detector
- 1—Polymet .00015 Condenser
- 1—Polymet .002 Condenser
- 1—Polymet .005 Condenser
- 1—Polymet Grid Leak Mount
- 1—Polymet 5 megohm Grid Leak
- 1—Durham 60,000-ohm Resistor
- 1—Sprague or Polymet 1/4-mf. Midget Condenser
- 2—Carter H-10, 10-ohm Resistors
- 1—Carter H-2, 2-ohm Resistor
- 8—Binding Posts
- 2—National Type B Vernier Dials
- 1—Set Hardware

JIM KIRK, Phone Olympia 4446

Operating Short Wave Stations W6DPW and W6DEG

RADIO REPAIR SERVICE

Authorized Service Station — Silver-Marshall Products

Service On All Types of Radio Sets — Day and Night

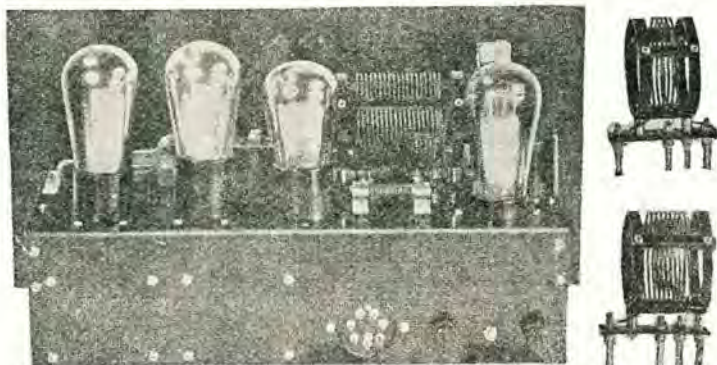
3843 Boyce Avenue

Los Angeles, Calif.

AERO COIL

SUPER-SENSITIVE INDUCTANCE UNITS

and the New



“INTERNATIONAL FOUR”

SIX MONTHS OF SERVICE has proven the Aero “International” to be the peer of any short wave receiver available to the public. Stations two thousand miles and more away are locals—transoceanic reception is not unusual.

The shield grid tube renders it non-radiating and remarkably smooth of control—the new AERO INTERNATIONAL SHORT WAVE COILS cover all wave lengths from sixteen

meters up. New AERO Audio Transformers produce unsurpassed tone quality.

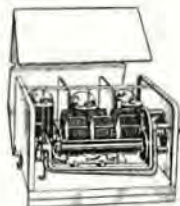
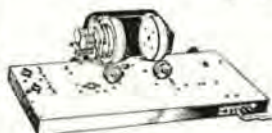
The new 1929 Aero Green Book contains complete construction details of six short wave receivers and converters, fourteen broadcast sets, and a Transmitter. Send 25c for your copy to Aero Products, Inc., 4611 East Ravenswood Ave., Chicago, U. S. A. It contains more information than any similar book ever published.

Manufactured by
AERO PRODUCTS, INC. 4611 E. Ravenswood Ave. Chicago, Ill.

Distributed by
RADIO SUPPLY CO.

H. A. DEMAREST, President
912-914 S. Broadway VA. 6063 Los Angeles, Calif.
WHOLESALE

Largest Radio Parts Jobber West of Chicago



POPULAR CIRCUITS SPECIFY REMLER

The Radio Engineer, when designing a circuit, takes no chances. He cannot afford to let doubtful or inferior parts wreck the performance of his circuit. Rugged reliability is what he wants and must have.

He can secure a substitute—at a lower price—for every Remler Part, but he can find no substitute for Remler Reliability.

Here is a list of the circuits which specify Remler Parts. It reads like a "Who's Who" of Radio.

CIRCUITS SPECIFYING REMLER PARTS

Nine-in-Line Super

Magnaformer 9-8

Best 45 K. C. Super

Infradyne

World's Record Super 10

Best Lincoln Radio

Madison-Moore A. C. One-Spot

General M. Best 115 K. C. Super

La Pops A. R. 3

Unitone Symphonic

Bodine Twin Eight A. C.

Citizens 115 K. C. Super

St. James Twin Four

Remler 45 K. C. A. C. Super

Citizens Super Nine

The New Home Receiver

Braton-King Stabilized Eight

The Unified Diamond

The A. C. 300 Receiver

Popular Mechanic's Super

The Quadrphase

World's Record Super 8

REMLER
GRAY and DANIELSON
MANUFACTURING CORPORATION

260 First Street, San Francisco

Chicago New York

Eastern Warehouse, Elkhart, Indiana

Distributed by

RADIO SUPPLY CO.

H. A. DEMAREST, President

912-914 S. Broadway

VA. 6063

Los Angeles, Calif.

WHOLESALE

Largest Radio Parts Jobber West of Chicago

The Remler 29 Shield-Grid Receiver

The Remler 29 is the custom-built set for everybody. Easy to build . . . simple to operate . . . highly selective . . . plenty of reserve power . . . unbelievably natural reproduction . . . and last, but not least in importance, surprisingly low cost. . . these are the qualities of the REMLER 29, qualities rarely grouped in a single receiver.

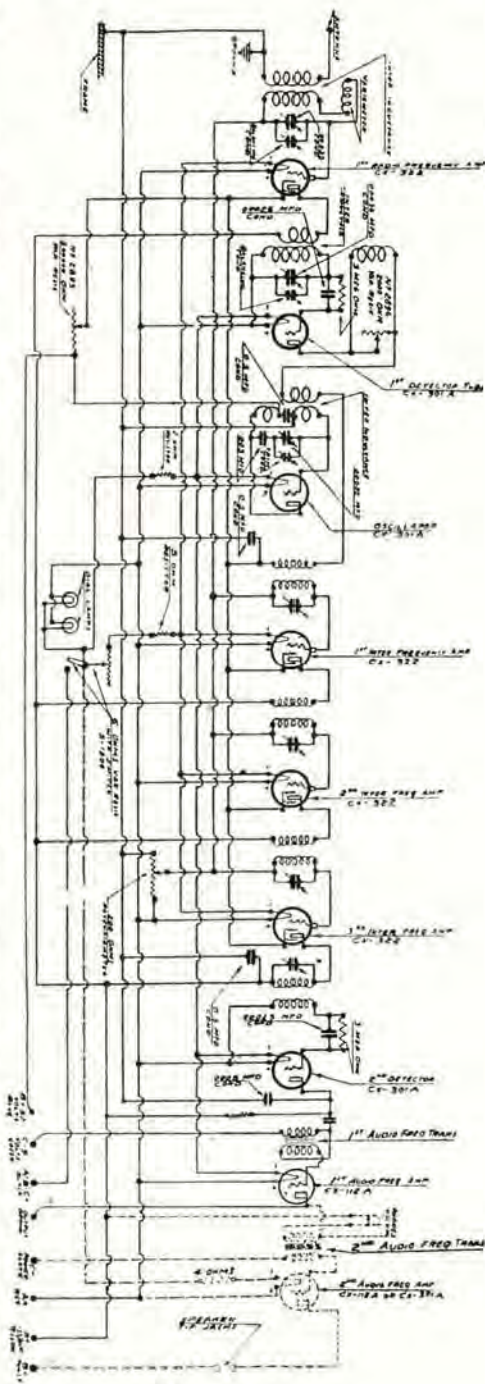
In the design of the Remler 29 no effort has been spared to simplify construction and to eliminate all possible sources of difficulty for the builder. The radio frequency, oscillator, intermediate and two detector circuits are fully wired at the factory and are enclosed in a single heavy copper case, constituting the No. 712 Shield-Grid Selector and Amplifier. Within this copper case each circuit is again individually shielded. Since the location of all of the radio frequency components and the installation of the radio frequency wiring is completed at the factory there is practically no chance for the inexperienced builder to get into trouble. Colored leads extend from the Selector and Amplifier Case for connection to the panel controls, the audio components and the battery cable terminal block. Necessary extra wire is supplied with the No. 712 Unit. All wiring is to be installed by the builder in accordance with a predetermined color code from a full-size, easily followed blueprint furnished with the No. 752 Foundation Kit.

A fully drilled, enameled, pressed-steel chassis is furnished with the Foundation Kit. All component parts of the receiver are to be mounted on this chassis by the builder. Those parts controlled from the panel are to be mounted on a pressed-steel instrument panel in front of which is located an etched bronze escutcheon plate. Both the escutcheon plate and the steel instrument panel are supplied with the Foundation Kit.

The intermediate amplifier is peaked at the factory and vernier adjustments are provided to compensate for differences in tubes and for misalignment due to rough handling.

The Remler 29 is so simple to build that it can easily be assembled, wired and put into operation in an evening's time by anyone who is familiar with the proper use of a soldering iron. No spe-

(Continued on Page 122)



STERLING



Sterling Testers

The Sterling line of Tube Testers, Set Testers and Meters covers every requirement for the store and service man's use. Complete catalog sheet from your Sterling jobber.



R-375 Pre-Amplifier

Uses 222 Screen Grid Tube. Connect ahead of any 6-volt D. C. tube set to obtain more distance, better tone, greater selectivity, less static. Ideal for sections away from prominent broadcast stations — to bring in distant stations. Installed in five minutes. List price without tube — \$12.50. Type 222 Screen Grid Tube \$6.50

A B-C Power Supplies

Sterling power units are provided for electrifying D. C. tube sets using either D. C. tubes or the new A. C. tubes. The Sterling line of power units enjoy the position of absolute leadership in the field. They give universal satisfaction. Ask your dealer for complete details on the comprehensive Sterling line of power units.

Manufactured by

STERLING MANUFACTURING CO.
2831 Prospect Ave., Cleveland, O.

Distributed by

RADIO SUPPLY CO.

912-914 S. Broadway

H. A. DEMAREST, President
VA. 6063
WHOLESALE

Los Angeles, Calif.

Largest Radio Parts Jobber West of Chicago

"DX With a Bang!"

By Fred Christian
Electric Lighting Supply Co.

"DX—huh! You ain't heard nothin' yet—you ought to hear the Japs and Aussies tear in on my new Radiola 60 Superhet—not just getting 'em—but real quality reception. Just like local!"

Thus Captain of Detectives A. J. Slaten addressed the writer the day after we had sold him a new A. C. set.

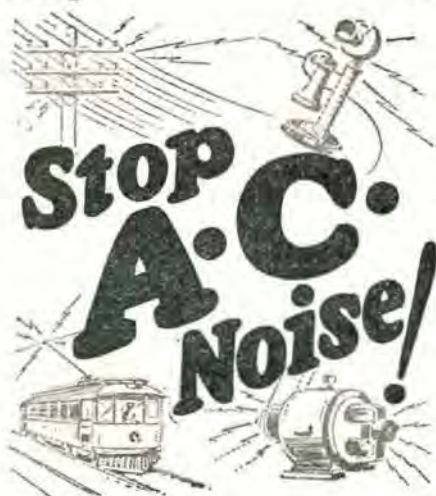
Now, we had heard the Japs and Aussies many times before on divers neutrodyne, superhets and custom-built sets, and had been none-too-well pleased with the results. For this reason we had never tried out the 60 on them, thinking the reception would be about the same.

However, Captain Slaten's tale interested us again and a party at the skipper's house was speedily arranged. The early evening was passed, tuning in Eastern stations, and some DX reception!—WHAS, Louisville; KDKA, Pittsburg; WLW, Cincinnati; WGN, WCNB and several other Chicago stations; CNRV in Canada; WTMJ, Milwaukee; WOR, Newark; KMOX, St. Louis; WJZ, New York; KMA, Shenandoah, Iowa; WBT, Charlotteville, N. C., and many other Easterners all were brought in—loud and clear as local.

At 12:45 a. m. the Japs started coming, and JOAK first boomed in. Captain Slaten had invited four local Japanese people to hear their native land and, incidentally, act as interpreters. During the morning, JOAK, JOBK, JOCK, JOIK and JOFK were logged. The material broadcast was mostly talking, interspersed, at long intervals, with a little music.

One station, JOAK, had on a children's hour similar to the old KHJ Uncle John's broadcast. Children's stories were told, including one about hiding horses, and small children sang.

Another station told historical stories called, in Japanese, Kodan. There were exercises celebrating the coronation of the new Emperor, musical selections, played on three tree instruments in trio, accompanied with woman's singing. These weird-sounding instruments are called Cimisan, Koto and Chikuhaski. Several Japanese selections were recorded on an aluminum phonograph disc, so loud did the signals come in.



ALL over the country they are praising this wonderful improvement that blocks out line interference noise and radio frequency disturbances. Plug in a Falck Claroceptor between your receiving set and wall socket. You won't get any more of that man-made "static" from motors, street cars, telephones, electrical appliances, etc. An absolute necessity to clear reception in some locations. Also improves selectivity and distance.

A Falck Claroceptor requires no changes in your set. Measures just $3\frac{1}{2} \times 5\frac{1}{2} \times 2\frac{1}{2}$ inches. Tested, proved. Get one right away—only equipment of its kind. At radio parts dealers, or write to factory for new descriptive folder FREE.



complete with
cord and plug

Falck

CLAROCEPTOR

Manufactured by ADVANCE ELECTRIC CO.
1268 W. Second St., Los Angeles
JOBBER AND DEALERS, GET OUR PROPOSITION

Stations Sharing Time

By order of the Federal Radio Commission, the Western Stations listed below are to share time on the air:

CALL	Kilo	Wave Length	Power	Location
------	------	-------------	-------	----------

SOUTHERN CALIFORNIA

KMTR (KPLA)	570	526.0	1000	Hollywood
KPLA (KMTR)	570	526.0	1000	Los Angeles
KELW (KTM)	780	384.4	500	Burbank
KTM (KELW)	870	384.4	500	Santa Mon.
KFWB (KPSN)	950	315.6	1000	Hollywood
KFSG (KMIC)	1120	267.7	500	Los Angeles
KMIC (KFSG)	1120	267.7	500	Inglewood
KFWC (KPPC)	1200	249.9	100	Pomona
KPPC (KFWC)	1200	249.9	50	Pasadena
KTBI (KGEF)	1300	230.6	1000	Los Angeles
KWTC (KFWO)	1500	199.9	100	Santa Ana
KEJK (KFON)	1250	239.9	500	Bev. Hills
KFON (KEJK)	1250	239.9	1000	Long Beach
KGEF (KTBI)	1300	230.6	1000	Los Angeles

NORTHERN CALIFORNIA AND NORTHWEST

KXA (KUOM)	570	526.0	500	Seattle
KUOM (KXA)	570	526.0	500	Missoula
KFWI (KFWM)	930	322.4	500	San Fran.
KFWM (KFWI)	930	322.4	500	Oakland
KEX (KOB)	1180	254.1	5000	Portland
KOB (KEX)	1180	254.1	10000	Albuquerque
KPCB (KPQ)	1210	247.8	100	Seattle
KPQ (KPCB)	1210	247.8	100	Seattle
KFJR (KTBR)	1320	230.6	500	Portland
KTBR (KFJR)	1320	230.6	500	Portland
KMO (KVI)	1340	223.7	500	Tacoma
KVI (KMO)	1340	223.7	1000	Tacoma
KFEC (KFJI)	1370	218.8	100	Portland
KFJI (KFEC)	1370	218.8	50	Astoria
KWSC (KFPY)	1390	215.7	500	Pullman
KFPY (KWSC)	1390	215.7	500	Spokane
KFQU (KGTT)	1420	211.1	100	Holy City
KFQW (KKK)	1420	211.1	100	Seattle
KGTT (KFQU)	1420	211.1	50	San Fran.
KKK (KFQW)	1420	211.1	15	Seattle
KVL (KFBL-KUJ)	1500	199.9	100	Seattle
KFBL (KUJ-KVL)	1500	199.9	50	Everett
KUJ (KFBL-KVL)	1500	199.9	10	Longview

WESTERN STATES

KFBB (KGIR)	1320	220.4	500	Havre
KFEL (KFXF)	940	319.0	250	Denver
KFXF (KFEL)	940	319.0	250	Denver
KGIR (KFBB)	1360	220.4	250	Butte
KFUP (KFJX)	1500	199.9	100	Denver
KFJX (KFUP)	1500	199.9	50	Edgewater



-just to make one EC Tube

and each operation supervised by an expert.

CeCo Tubes are as delicate and intricate to manufacture as the finest watch. Critically tested materials, vigilant inspection at every stage of making, scientific engineering throughout, and an exclusive, superior method of evacuation, insure the uniform high quality and longer life of every CeCo Tube.

ASK YOUR RADIO DEALER



**CeCo A.C. TUBES
GIVE LONGER LIFE
AND BETTER
PERFORMANCE**

Factory Representatives:

B. KRUGER & CO.
500 N. Huntley Drive
Phone OX. 3897 West Hollywood

CARTER

"Parts Headquarters"

Insist on Carter Parts



CARTER Tapered Volume Control. Developed especially for new A-C Circuits. Unsurpassed for smoothness and quietness in circuits where range of adjustment is crowded into small part of knob rotation. Moulded bakelite frame. A type for every requirement. 400 to 10,000 ohms resistance. Rheostat and Potentiometer types.



Carter "Imp" Power Switch for 110 volts or 6 volts. Small, sturdy, easy to mount, positive "on" and "off." Completely insulated — will outlast the set.
75c Each

The 1928-29 season, with its complete electrically-operated radio, finds Carter ready to fill every demand of designers and set builders. A few of the popular items are illustrated. Write to "Parts Headquarters" for your copy of the new catalog of the complete line of old favorites and new friends, fully illustrated and described. Any dealer can fill your order.



New Carter A-C Set Outlet Plate. Combines A-C outlet with aerial and ground lead-in connections. Finished—

Lacquered Brass... \$1.00
Brown Bakelite... 1.25
Statuary Bronze... 2.25

Complete with Carter "Imp" Plugs. Fits standard outlet box. Complete diagrams for radio wiring of homes on request.



Carter Center Tapped Resistors designed for A-C filament circuits. Small, neat, compact. All resistances guaranteed accurate within 3 per cent.

In Canada:

Carter Radio Co., Ltd.
Toronto

Offices In Principal Cities of the World



Distributed by

RADIO SUPPLY CO.

H. A. DEMAREST, President
VA. 6063
WHOLESALE

912-914 S. Broadway

Los Angeles, Calif.

Largest Radio Parts Jobber West of Chicago

The Find-All A.C. Band Pass Receiver

It is a simple matter to design a highly selective radio receiver. It is also easy to construct a set having splendid tone quality. However, it has been extremely difficult, in the past, to combine both selectivity and true tone reproduction in the one receiver. The Find-All A.C. Band Pass Receiver accomplishes this feat.

The Band Pass Selector consists of a system of reactances (inductance coils and variable condensers), arranged so that they are mutually balanced, not merely at a single frequency, but at a group or band of frequencies. (Definition: Reactance is that property of an electric circuit, aside from its ohmic resistance, which tends to oppose the flow of an electric current.) While the reactances are balanced within any particular band, they are unbalanced outside this band, thus being non-responsive to all frequencies outside the band in question.

The Band Pass Selector in the Find-All Band Pass Receiver consists of the parts shown within the shields in the top view illustration. There are two resonant circuits, one of which consists of the secondary of the Aero coil (4) and a Hammarlund .0005 mfd. variable condenser (6). The other resonant circuit consists of the secondary of Aero coil (9), and another Hammarlund .0005 mfd. variable condenser (8). These circuits are carefully matched and resonate to the same frequency. They are coupled to each other by a small mutual inductance coil (7). When the two resonant circuits are exactly balanced at any frequency, by adjusting the variable condensers to the same capacity, the total reactance of the entire circuit is highest at that particular frequency, due to the presence of the mutual inductance (7). At values of frequency immediately above and immediately below the particular frequency under consideration, the total reactance of the band selector circuit is zero. After passing these two zero points, the reactance again becomes very high. Stated in a few words, the effect of the band pass selector is to give two points of zero reactance immediately above and below any particular frequency to which the circuit is tuned.

The circuits of the Find-All Band

Pass Receiver are shown in two separate diagrams. It is recommended that the set be built in two separate parts, with the band pass selector, the three R.F. stages, the detector and the first audio stage in one portion and the Thordarson push-pull power amplifier and "A," "B" and "C" power supply in the other portion.

The only special part is the coil (7), which can be wound readily in accordance with the following directions:

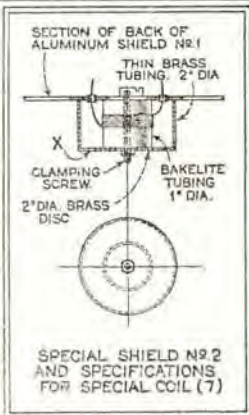
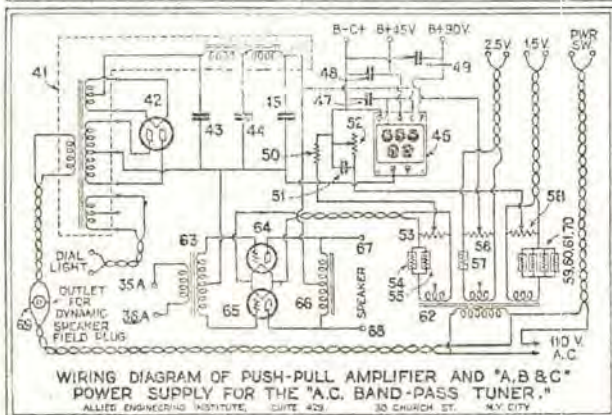
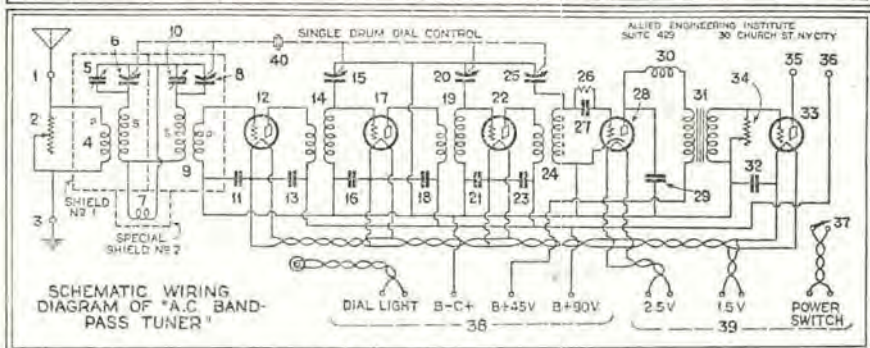
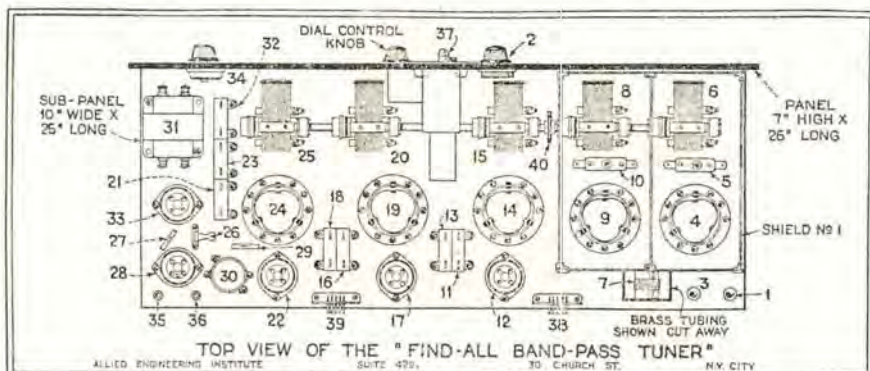
Procure a piece of 1" diameter bakelite tubing, 1½" long. On this form, wind 5 turns of No. 26 double cotton covered Corwico magnet wire. The winding should be in the center of the tubing, in order to minimize absorption as much as possible. The special shield, No. 2, for this coil, can be made out of a piece of thin brass tubing, 2" in diameter and 1½" long. One end of the brass tubing rests against the Hammarlund shield, as shown in the illustrations. The other end is closed by a flat brass disc. A 6/32 machine screw, about 1½" long, is used to fasten special shield No. 2 to the large aluminum shield No. 1. The accompanying diagram gives constructional details. The tubing on which the coil (7) is wound is filed so that it is held rigidly in position between the aluminum shield and the brass disc, when the nut on the 6/32 machine screw is tightened. Leads for the coil are passed through holes drilled in the aluminum shield.

The transformers used in the amplifier and power supply portion of the receiver are all of Thordarson manufacture. Correct "B" and "C" voltages are obtained through the use of an Electrad Truvolt Divider and Electrad fixed and variable Truvolts. A Polymet condenser block is specified. The ever-necessary amperites are mounted on the amplifier baseboard.

Complete List of Parts Required for the 10 K. C. Band Pass Tuner

- 1—Aero Universal Tuned R. F. Kit, containing 3 matched R.F. Transformers, type U-12 (4, 9, 14).
- 2—Additional Aero Matched R.F. Transformers, same as in U-12 Kit (19, 24).
- 5—.0005 mfd. Hammarlund "Mid-Line" Variable Condensers (6, 8, 15, 20, 25).

(Continued on Page 123)



Here is the first layout for the set-builder incorporating a band-pass filter system ahead of the first amplifier tube. A selector and R.F. amplifier which passes a 10 K.C. band with a comparatively flat top instead of the usual "peak" with its cut side-bands and loss in quality. This type of circuit is the answer to the problem of "selectivity with quality."



(Continued from Page 20)

DX Club:

I am very much interested in your club. Since I was ten years old I have been interested in radio. In those four years I have made a great number of sets and a great variety of them. Never before was I interested in getting distance. We have an Atwater Kent No. 40, which is very dependable. I hope I may become a member of your club, for I have the following stations on my log:

KDKA, KDYL, KEX, KFAD, KFBU, KFRC, KFSD, KFWM, KGB, KGA, KGO, KGW, KHQ, KJR, KLX, KLZ, KMOX, KOA, KOIL, KOIN, KPO, KQW, KSAC, KSL, KTAB, KXL, KYA, WBAP, WBBM, WENR, WFAA, WGN, WHAS, WHO, WIBO, WJR, WLW, WMAQ, WSB, KOMO, KWG, KFOA, KFWI, CKMO, CKWX, CNRV, JOAK, JOBK, JOCK, JOFK.

Besides these I also have logged 22 local stations. I logged the Japs between 1:30 a. m. and 2:30 a. m., Saturday, the 17th. I also heard music on the 2YA wave, but I couldn't understand the announcer. I think this is a very good record for a six-tube set.

Wishing your club the most of success.

Your truly,

RICHARD LESEBERG,

1164 E. Poli St.,
Ventura, Calif.

DX Club:

My log below is the result of two weeks' labor with a Majestic 72. Sixty feet of single wire antenna and an impromptu ground.

KOW, KFSD, KFWI, WLW, KOA, KPO, KSL, WBAP, KGW, KFAD, KLX, KTAB, KOIN, KFOA, KGO, KJR, KYA, KTHS, KDKA, WGN, WHO, WJR, KFRC, KMOX, KXA, WOI, KWKH, KOB, WLS, WLW, WCCO, KLZ, KEX, KHQ, WFAA, KFBK, KDYL, KMMJ, WSB, KFEL, KFAB, KGBZ, KOIL, WOR, WENR, and CKWX, in Vancou-

ver, B. C. All the above stations were heard between 4 p. m. and 10 p. m.

I also spent a sleepy half hour in the wee hours of the morning listening to JOAK, JOBK and JOCK. They were comparatively easy to get. But I suppose I am not an ardent music lover, for I could hardly appreciate their programs.

This is my first appearance in the DX club, and hope the log enables me to a membership with the nuts.

I. M. CLANTON,
1424 Coronado,
Long Beach, Calif.

DX Club:

I sent in my log about two weeks ago, but have had so many more stations since then that I thought I would try again. Have been up two mornings, between 2:30 and 5:00, and brought in 3 Japanese stations and quite a few Eastern stations. Last Tuesday morning I had about 6 that I couldn't catch the call numbers, but jotted down the wave length, and will try again. I have a Majestic, and have been DXing for about a month, and have had KFSD, KGB, KWTC, KGO, KPO, KSL, KFWI, KOA, KOMO, KFRC, KGW, KTAB, KQW, KEX, WENR, KOIN, KYA, KLZ, WBAP, KLX, KFBU, KFXX, WJAZ, KJR, CNRV, WSXAL, KDKA, WHO, WGN, WCCO, WFAA, KVL, KHQ, KDYL, KTHS, KWBS, KGEN, KPOF, KFOA, KMOX, KWKH, CKWX, KPQ, JOAK, JOHK, JOBK, KMA, KMMJ, on two different wave lengths; KFNF, on two different wave lengths. Suppose they were trying out their new wave length: KFAD, WAAW, KTNT, KFBB and KWJJ. Had WGY on KNRC's wave length the night of the SOS from the Trojan Star, when the local stations were off the air.

Sincerely,

MRS. DAISY PERLEE,
3532 Lafranco St.,
Los Angeles, Calif.

BT Counterphase 8—World's Greatest Radio—Sold with a Distance Guarantee. H. A. Everest, 7406 Melrose Avenue. OREGON 4702.

Great Features
Tell You Why

6000

RADIO-TRICIANS

Are Offering These

4 NEW HI-Q RECEIVERS

Custom-Built to Any Pocketbook!

No man can use the title "RADIO-TRICIAN" unless he can qualify as a radio expert. So when we tell you that 6000 authorized "RADIO-TRICIANS" throughout the country are building the new Hi-Q 29 Receivers you must agree that these receivers MUST have outstanding qualities.

The biggest advance of the year in radio design is the "Band Pass Filter"—a system which effects absolute FLAT TOP *square cut-off* TUNING with positive 10 K. C. selectivity. This is the big feature of Master Hi-Q 29 Receivers. No other set in the world has it to our knowledge. It eliminates "cross talk" even in crowded areas which have many powerful stations and gives a Super-sensitivity and Super-selectivity which assures coast-to-coast reception. Further than this, it produces a quality of tone which we have never heard equalled in any receiver!

1. 10 K.C. SELECTIVITY
2. ABSOLUTE FLAT-TOP
Square Cut-off TUNING
3. SCREEN-GRID TUBES
4. STAGE-SHIELDED
STEEL CHASSIS
5. CONCEALED WIRING
6. SIMPLIFIED OPERATION
7. NATURAL REPRODUCTION
8. COAST-TO-COAST
RECEPTION



For 1929 there are FOUR Models of Hi-Q Receivers—for battery or A.C. operation. All are the joint creation of ten of America's leading parts manufacturers. All are stage-shielded and built on steel chasses from only the finest parts available in the radio industry.

You should own one of these wonderful receivers. Build it yourself or have it built for you by your local RADIO-TRICIAN. Hammarlund-Roberts, 1182-P Broadway, New York.

**Hammarlund
Roberts**
Custom-Built
Radio

Associate Manufacturers

Sangamo Electric Co.
Thordarson Elec. Mfg. Co.
Hammarlund Mfg. Co.
Yaxley Mfg. Co.
Benjamin Elec. Mfg. Co.
Arcturus Radio Co.

Acme Wire Co. (Parvott)
International Resistance
Co. (Durham Resistors)
Radial Co. (Amperite)
Electrad, Inc. (Truvalt)
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Distributed by

RADIO SUPPLY CO.

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H. A. DEMAREST, President
VA. 6063
WHOLESALE

Los Angeles, Calif.

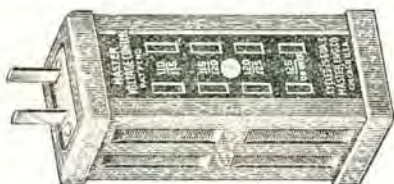
Largest Radio Parts Jobber West of Chicago

Trade News

Master Voltage Control Now in Heavy Duty Type

The Master Voltage Control unit, which has so successfully met the line voltage variation problems, is now made in a heavy duty type with a capacity of 100 watts. This type is especially designed for sets with built-in dynamic speakers such as Majestics, Sparton, Radiola 62, Zenith, Kolster, Day-Fan, Amrad, etc.

There are no moving parts and nothing to get out of adjustment and the unit is easily and quickly installed by



anyone. It is air-cooled and does not heat excessively.

The little Master unit plugs into the wall socket and then the radio set plugs into one of four outlets in the unit, marked 110-115, 115-120, 120-125, and 125-over. These figures represent the value of the line voltage, and when properly connected the Master unit serves to regulate the voltage so that just the right value is applied to the filaments of the tubes in the radio set.

The Standard type, with a capacity of 60 watts, is now universally used in connection with such sets as the Radiola 18, Atwater Kent, Stewart-Warner, etc., which do not draw more than 40-60 watts.

Tube Checkers

Set owners, who know little of the dealers' problems, often fail to appreciate the precaution which dealers have taken to insure radio satisfaction in the home.

Thousands of dealers must carry testing devices for sets and tubes, must

make sure of the efficiency of radio equipment before it is sold, and must continue to give service during the life of the receivers.

One of the most popular devices on the market for testing tubes is The Sterling Manufacturing Company's tube checker, designed to assure service.

This little device shows whether the tube has proper emission to insure lasting performance, and it also shows just where the short circuit occurs in shorted tubes, indicating whether the trouble lies between the filament and grid, plate and grid, or plate and filament.

Tests both 227 and 226 A. C. tubes that operate from 110-volt 50-60 cycle line.

This instrument has been developed by Sterling engineers who have been, for more than twenty-three years, designers and producers of precision electrical instruments.

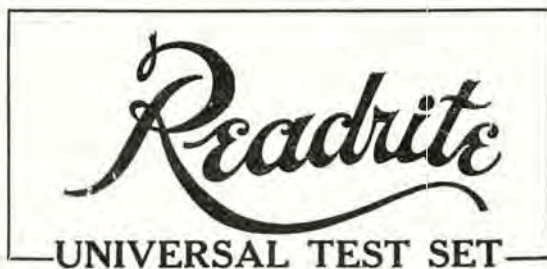
Spare Tubes

It is just as important to have spare tubes for your radio as it is to have spare tires for your automobile. The people of today want to get there and back and do not want any interruption of their pleasure or entertainment.

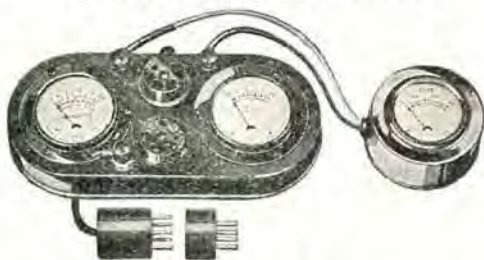
Radio tubes of the better class have reached a high state of perfection, but the fact remains that as long as they do most of the work in a radio set they require replacement occasionally. There is also the possibility of damage to the tube through accident, such as dropping or receiving a sudden jar. Set owners should get one spare tube for every different type in their set as the best insurance against possible annoyance. Remember that a radio tube wears out only through use, and a spare tube will always be as good as a new one for an indefinite period. In purchasing a new set, it is always well to have the dealer supply the spare tubes necessary. In case the set owner already has his equipment, the dealer will be able to tell him what types of tubes to provide for.

There are twenty-five different types of CeCo tubes available at authorized CeCo dealers, and there is one for every purpose.

Newer and Better!



**Tests A.C. and D.C. Tubes
Quickly Locates Set Troubles**



Test Set consists of No. 215 Tube Tester in combination with No. 346 Voltmeter. No. 215 Tube Tester has 0-10 A.C.-D.C. voltmeter, double reading 0-20 and 0-100 milliammeter, grid switch, 4 and 5 prong sockets, cord and adapter. List price \$12.50. No. 346 High Resistance Voltmeter, 0-300 volts, list price \$5.00. Total, \$17.50. Or one dollar extra if No. 347 Voltmeter, 0-500 volts, is substituted.

READRITE also supplies a very complete line of Panel Radio Meters. Ammeters, Voltmeters and Milliammeters can be supplied in all ranges, at list prices, from \$1.00 to \$6.00.

Manufactured by

READRITE METER WORKS

11 College Ave.

Est. 1904

Bluffton, Ohio

Distributed by

RADIO SUPPLY CO.

H. A. DEMAREST, President

912-914 S. Broadway

VA. 6063

Los Angeles, Calif.

WHOLESALE

Largest Radio Parts Jobber West of Chicago

Trade News

Radio's Latest Thrills!

The Flewelling Short Wave Adaptor doubles the value of any radio receiver because it allows the reception of another complete broadcasting band. Normally your receiver will tune in the local broadcasting band of 200 to 550 meters, but when the Flewelling adaptor is plugged in, your receiver is able to tune in the short wave broadcasting band of 17 to 85 meters.

The Flewelling Short Wave Adaptor is not an experiment. It thoroughly proved its value before being offered to the public by picking up 5SW of Chelmsford, England, so satisfactorily that the English station was rebroadcast through station WSAI (Cincinnati) every day for a week. At this time the adaptor was able to bring in 5SW for 61 consecutive days (Saturdays and Sundays excepted as 5SW does not operate on these days).

That radio reception is always better at night is not true of short wave reception, which is often better during the day. Hence the fact that at a distant station, it might be midnight, while at your receiver it is mid-day will not have much bearing on your reception.

Selectivity takes on a new meaning, for if you now have 20 broadcasting stations operating in and around your city, you can with the Flewelling Adaptor tune right through them.

There is some static in the short wave band, but as a conservative estimate places it as only about one-tenth as much as on the regular band one becomes delighted with the quietness of reception even during the summer months. The wonderful manner in which WGY and KDKA often comes in is a delight to the listener.

The The Kolster Radio Corporation announces the appointment of Mr. L. T. Breck as sales manager. His promotion follows within a few months his appointment as assistant to Major Herbert H. Frost, vice-president in charge of merchandising. Mr. Breck came to the company last July, when he resigned his position as Western sales manager of the Yale Electric Corporation.

Kolster Acquires New Patent Rights

Frank L. Dame, president of the North American Company, Rudolph Spreckels, chairman of the board of Kolster Radio Corporation, and Ellery W. Stone, president of Kolster Radio, announced last night the closing of two contracts of far-reaching importance between Wired Radio, Inc., a subsidiary of The North American Company, and Federal Telegraph Company, a subsidiary of Kolster Radio Corporation.

Under the first of these contracts, Kolster Radio Corporation secures title to some 600 patents, patent applications and inventions in the communications, radio, wired radio, electric phonograph, television and talking motion picture fields. These patents and inventions have been acquired by The North American Company during the past six years and their acquisition by Kolster marks probably the largest single transfer of radio patents in the history of the industry.

Mr. Stone, discussing the contracts, said: "These 600 patents acquired by Kolster Radio include several groups which patent attorneys state are widely infringed in the radio industry today and are expected to yield large royalties to Kolster as well as to place the company in an exceptionally strong position in the radio, electric phonograph and talking motion picture fields.

"Exclusive licenses are granted back to Wired Radio, Inc., by Kolster in the field of wired radio only, and Kolster retains full title to all of the patents and exclusive manufacturing and selling rights in all fields other than that of wired radio. By acquisition of the North American group of patents, Kolster has further increased its already strong patent position in the radio and allied industries.

READY FOR DELIVERY!

MASTER HEAVY DUTY Voltage Control

Eliminates Free Service Calls

Especially adapted for use on radio sets with **Built-in** Dynamic Speakers which draw 80 to 100 watts, such as Majestic, Radiola 62, Zenith, Sparton, Kolster, Bosch, Freed-Eisemann, Fada, Day-Fan, Amrad, Freshman NR 12, etc. Also Radiola 60.

MAXIMUM CAPACITY 100 WATTS

List Price \$3.00

Also Standard Model Master Voltage Control, for use on all popular sets such as Atwater Kent, Radiola 18, Crosley, Apex, Steinite, Stewart-Warner, Case, Acme, A-C Dayton, Freshman, etc., which draw 40 to 60 watts. Now in use on more than 30,000 sets.

MAXIMUM CAPACITY 60 WATTS

List Price \$2.50



ORDER AT ONCE FROM YOUR DEALER

Manufactured By

MASTER ENGINEERING CO.
122 S. Michigan Ave., Chicago, U. S. A.

Pacific Coast Representative

DON C. WALLACE

Bank of Italy Bldg., Broadway at Pine, Long Beach, Calif.

Distributed by

RADIO SUPPLY CO.

H. A. DEMAREST, President

912-914 S. Broadway

VA. 6063

Los Angeles, Calif.

WHOLESALE

Largest Radio Parts Jobber West of Chicago

APEX RADIO

Better Performance at a Lower Price

For Christmas and for every day throughout the year an Apex trouble-free All-Electric Receiver is the ideal gift for the whole family. Any dealer listed below will be glad to demonstrate without obligation.



Model 236

Equipped with Magnetic or Jensen Dynamic Speaker



Model 336

Apex Console Equipped with Famous Jensen Dynamic Speaker.

- | | | | |
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| Apollo Radio Shop
1707 N. Western Ave. | Electric Service Co.
4308 1/2 S. Vermont Ave. | Jenkins Radio Shop
8452 S. Broadway | Quimby's Radio Service
1860 N. Vermont St. |
| Angelus Radio Shop
4208 Santa Monica | El Sereno Service Co.
5319 Navarro St. | Forer Tire Company
4723 Whittier Blvd. | Pico Radio Shop
4505 W. Pico St. |
| Walter F. Browne
4508 Hollywood Blvd. | F. & H. Radio Shop
5011 York Blvd. | Motley Elec. Service
7761 Santa Monica Blvd. | Radio Headquarters
7214 S. Broadway |
| Downtown Radio Co.
134 W. 7th St. | Fogil Radio Shop
310 W. 61st St. | Noren-Wuster Furniture Co.
3300 W. Washington | Shane Hardware Co.
2906 Division St. |
| Acme Radio Store
709 So. Main St. | Forer Tire Co.
412 W. Pico St. | Paramount Radio Co.
3515 Santa Monica Blvd. | Star Furniture Co.
3573 Whittier Blvd. |
| Davis Hdwe. Co.
3904 S. Western Ave. | Forer Tire Company
5500 S. Vermont Ave. | Pete's Radio & Electric Shop
8704 Elm St. | A. W. Townsend
3653 Edenhurst St. |
| | W. L. Gaylord
6618 S. Vermont Ave. | | Walker Radio Shop
5851 S. Vermont St. |
| | Jatho Radio Service
5410 Central Ave. | | |

South California

- | | | | | | |
|---|---|---|---|---|--|
| ANAHEIM
C. A. Knapp
1101 Lincoln Ave.
BELL
North & Lory Hdwe. Co.
4119 Baker Avenue
BELLFLOWER
Moore's Radio Shop
427 Somerset St.
CORONA
Corona Hardware Co.
606 Main St.
BEVERLY HILLS
Wilshire Hdwe. Co.
1242 Wilshire Blvd.
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Norwood's Furniture Co.
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CULVER CITY
Noren-Wuster Furn. Co.
6710 Washington Blvd. | ESCONDIDO
Young's Music Co.
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Gardena Hardware Co.
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GLENDALE
Richardson Furn. Store
1526 E. Colorado St.
Forer Tire Company
701 S. Brand Blvd.
Parker & Black
217 W. Colorado St.
HEMET, CALIF.
McArthur Radio Co.
405 E. Florida St.
HERMOSA BEACH
Newcomb Electric Shop
1129 Hermosa Avenue | HUNTINGTON PARK
Huntington Park Furn. Co.
6217 Pacific Blvd.
Forer Tire Company
6040 Pacific Blvd.
INGLEWOOD
Inglewood Hdwe. Co.
129 N. Commercial St.
LONG BEACH
Kelm Radio
147 E. Fourth St.
Morey's Music Store
239 E. 4th St.
Supertone Radio Co.
610 Broadway
Seaside Elec. Shop
2185 Atlantic Ave.
LA JOLLA
C. H. Messner Radio
927 Silverado Ave. | LOMITA
Calkins Hardware Co.
Lomita, Calif.
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1621 Magnolia Blvd.
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5437 Lankershim Blvd.
NORWALK
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OCEANSIDE
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Roy Storie Pedley Station
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SAN PEDRO
San Pedro Radio Co.
378 W. Sixth St.
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1618 Craven Ave.
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The Bartlett Co.
804 Main St.
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Apex All-Electric Receivers Price from \$87.50 to \$199.50 (Less Tubes)

Wholesale Distributors

YALE RADIO ELECTRIC COMPANY

1111 Wall Street

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Los Angeles, Calif.

The
**RADIO
OWL**
Controls
ANY Set.

Automatic
In Its
Operation

No More
Guessing

Your *Owl*
Will See
that Your
Set Is
Turned
Off

When the
Time
Comes



An
Ideal
Xmas Gift
Done In
Most
Attractive
Xmas Box
Ready for
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A
Necessary
Accessory
for Any
Set

List
Price

\$3.50

Press Down the OWL—It Does the Rest!

Distributed by

RADIO SUPPLY CO.

912-914 S. Broadway

H. A. DEMAREST, President
VA. 6063
WHOLESALE

Los Angeles, Calif.

Largest Radio Parts Jobber West of Chicago

West Now Faring Better Than East

Letters and telegrams which are being received in bales and bundles by the Radio Commission regarding the reallocation plan are beginning to show a definite trend. This indicates that while there are many complaints, there are also many satisfied customers. Also that the wide open spaces of the west are receiving better radio service while the eastern states are not as good as before the reallocation.

This very fact, that reception in the west is apparently better while in the east it is not so good, puts the matter right at the door of the Congress of the United States.

Listeners of the country, in commenting on the plan, and particularly in their uncomplimentary remarks about the work of the Commission, are entirely losing track of the fact that the reallocation has been worked out, not for the pleasure of the Commission, but at the direct request of Congress, and in accordance with the law passed at the last session.

This law was instigated, in great measure, by the fact that the farmers of the west were not getting the radio reception that they thought they were entitled to. In working out the reallocation plan, the Commission had to take cognizance of the fact that the north, south and west were entitled to more radio facilities, and the east to less. That is just what the Commission has done, and it is from those sections of the country that the complaints are coming from primarily.

Taking some of the thousands of letters that are being received as a cross section, there is every indication that the plan is a success. There are, of course, certain "bad spots," and it is just as certain that the Commission will see that these places are smoothed out. Among them can be mentioned St. Louis, Boston, Baltimore and Washington. In all of these localities, however, the situation is purely a local one, and one in which there will be no very great difficulty in reaching an adjustment.



With NA-ALD accessories you can put power tubes in your set—convert your battery set to an AC set—prevent your set from oscillating (or squealing)—put battery type tubes in dry cell sets—make battery sets portable using dry cell tubes—attach electric pickups to AC or DC sets—make your radio set electrically amplify music from your phonograph, greatly improving its tone quality—stop microphonic noises in tubes in your set, and a host of other things.

Manufactured by

ALDEN MFG. CO.

Brockton, Mass.

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Los Angeles

*Largest Radio Parts Jobbers
West of Chicago*

Log of Western Stations

CALIFORNIA			Call	Meters	Log	NEVADA		
Call	Meters	Log				Call	Meters	Log
KTAB	545.0		KFWO	199.9		KOH	218.8	
KMTR	526.0		KWTC	199.9		COLORADO		
KPLA	526.0		OREGON			KLZ	534.4	
KFSD	499.7		KOAC	535.4		KOA	361.2	
KFRC	491.5		KGW	483.6		KFKA	340.7	
KFI	468.5		KOIN	319.0		KPOF	340.7	
KPO	440.9		KWJJ	282.8		KFXF	319.0	
KFVD	428.3		KEX	254.1		KFEL	319.0	
KTM	384.4		KXL	239.9		KOW	315.7	
KELW	384.4		KFJR	230.6		KFHA	249.9	
KGO	379.5		KTBR	230.6		KGEK	249.9	
KFQZ	352.7		KFEC	218.8		KGEW	249.9	
KLX	340.7		KFJI	218.8		KGDP	247.8	
KHJ	333.1		KFIF	211.1		KFUM	236.1	
KFWI	322.4		KMED	211.1		KFXJ	228.9	
KFWM	322.4		KORE	211.1		KFUP	228.9	
KFWB	315.6		KWBS	199.9		KGHF	227.1	
KPSN	315.6		WASHINGTON			NEW MEXICO		
KGFH	299.8		KXA	526.0		KOB	254.1	
KQW	296.6		KHQ	508.2		KGGM	218.8	
KNX	285.5		KOMO	325.9		KGFL	218.8	
KJBS	272.6		KJR	309.1		ARIZONA		
KFSG	267.7		KRSC	267.7		KFAD	483.6	
KMIC	267.7		KGY	249.9		KFCB	228.9	
KGDM	260.7		KVOS	249.9		KGAR	218.8	
KFWC	249.9		KPCB	247.8		KFXV	211.1	
KMJ	249.9		KPQ	247.8		KPJM	199.9	
KPPC	249.9		KFIO	243.8		KSEI	333.1	
KSMR	249.9		KFOA	236.1		KFEY	247.8	
KWG	249.9		KTW	236.1		KFAU	239.9	
KXO	249.9		KVI	223.7		KGIO	227.1	
KYA	243.8		KMO	223.7		KGIQ	227.1	
KEJK	239.9		KVL	218.8		KFXD	211.1	
KFON	239.9		KFPY	215.7		MONTANA		
KGEF	230.6		KWSC	215.7		KUOM	526.0	
KTBI	230.6		KFQW	211.1		KGHL	315.6	
KFBK	228.9		KKP	211.1		KGEZ	228.9	
KGB	220.4		KXRO	211.1		KFBB	220.4	
KGER	218.8		KGA	204.0		KGIR	220.4	
KRE	218.8		KFBL	199.9		KGCX	211.1	
KZM	218.8		KUJ	199.9		KPHD	211.1	
KFQU	211.1		UTAH			WYOMING		
KGfJ	211.1		KSL	265.3		KFBU	499.7	
KGTT	211.1		KDYL	232.4				
KLS	208.2		KFUR	218.8				
KFCR	199.9							

this combination.
**All AC Model
Atwater Kent Radios
and a Pemco Dynamic Speaker is**

unbeatable!



Talk about tone quality!
Just listen in on any Atwater
Kent AC operated radio
hooked up with a *Pemco*
Dynamic Speaker and you'll
be sold, sure enough.

See your Atwater Kent dealer
today and have him demonstrate
this unbeatable *Pemco and At-*
water Kent combination, for tone
quality and all-around "bang up"
reception. No fooling — your
"A K" will "talk up" like a mil-
lion dollars after you have it
"hitched up" to a Pemco Dynamic.

*The cost of a Pemco
Dynamic Speaker, Model
AC K, designed especially
for Atwater Kent and all
similar AC models, is sur-
prisingly low—only \$32.50
for the chassis model.*

*The Pemco Dynamic
Speaker is the new type
dynamic, a year ahead in
design and performance.
Nothing compares with it.*

*See your Atwater Kent
Dealer today* and hear a
demonstration!*



Manufactured by:
PRECISION ELECTRIC MFG. CO.
1020 Santa Fe Ave. Los Angeles
Phone: TRinity 0237

SAMSON "Pam" Amplifier

*Type PAM 16
is for all ordi-
nary types of
loud
speakers.*



*Type PAM 17
is for and sup-
plies field cur-
rent to dynamic
type speakers.*

Type PAM 16 or 17, List Price \$125.00 for 110 Volt, 50-60 Cycle A.C.

A compact, self-contained, rugged, all electric, two stage audio amplifier for radio console or table. Designed to meet Underwriters' and A. I. E. E. standards. Compensation is made for the voltage variation. Approximate undistorted power output 7 watts.

Due to the high standard of parts used in its manufacture, the question of service ends with its installation. Jobbers and dealers should have them in stock.

With the use of superlatives in radio advertising all too prevalent, the best guarantee of excellence in performance is the fact that Samson products have been standard in the quality field since 1882.

Manufactured by
SAMSON ELECTRIC CO., Canton, Mass.

Distributed By
RADIO SUPPLY CO.

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H. A. DEMAREST, President
VA. 6063
WHOLESALE

Los Angeles, Calif.

Largest Radio Parts Jobber West of Chicago

Food For Thought

Speaking before the International Radiotelegraph Conference in Washington recently, Herr Lindow, a German scientist, said: "Suppose, gentlemen, that we should find that with the development of our five senses we have lost a sixth sense, perhaps more important than the others. We are constantly using shorter and shorter wavelengths and the power of our transmitters constantly grows smaller. Suppose that we should come to find that each of us has in his head an effective short wave transmitter and receiver operating on frequencies higher than we know anything of now and with power smaller than we know anything about. What is telepathy? What is mind reading? What is thought transference? Many have had experience of them. Have we not often seen a friend at a distance and thought and thought until he was impelled to turn and look? What is it that guides the bird, the dog, the bee unerringly to his home from what ever distance he may have been carried? Have we not seen that the bees and many insects and animals carry antennae on their faces? Would it not be a simple explanation of something we have supposed to be very complex if we could learn that the bee or the bird could rise after being carried long distances and wing his way home, not because of any complicated processes, but because he knows the way home by the use of instrumentalities given him by God and given alike to man, but which in man have become useless from long disuse."

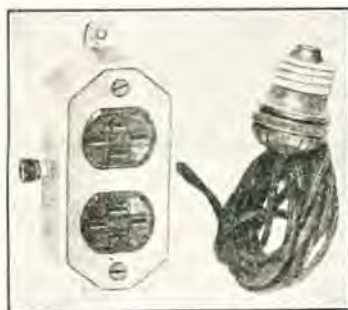
Philco Hour

Beginning with December 1st. NATION-WIDE PHILCO HOUR will be broadcast through a hook-up which will include a total of thirty-two stations and will bring to Pacific Coast listeners from six to seven P. M. every Saturday night, one of Victor Herbert's light operettas.

Colln O'More and Jessica Dragonette, nationally known radio stars, will be heard for the first time on the Pacific Coast, during this hour.

Next Saturday evening, December 1st, at six o'clock, Pacific Coast Standard time, comic light operetta to be broadcast, is entitled "The Red Mill."

KABINETTENNA



Combines inside aerial with power lines---

You can eliminate unsightly wiring, double plugs, and cumbersome aerials—eliminate all of these simply by installing the Kabinettenna. Kabinettenna requires no lightning arrester, reduces static and local interference. Kabinettenna is built on an entirely new and successful principle.

Prolonged tests have proved Kabinettenna the champion long distance performer of inside aerials, and users enthusiastically endorse the compact, efficient operation.

Money Back Guarantee

Backed by an iron-clad guarantee, Kabinettenna is positive assurance that you can get every voice from the skies. A trial will prove its superiority.

Priced at \$4.50

Manufactured by

YAHRLANGE
MILWAUKEE INCORPORATED WISCONSIN

Distributed by

RADIO SUPPLY CO.

H. A. DEMAREST, President

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Los Angeles

WHOLESALE

**Largest Radio Parts Jobbers
West of Chicago**

A Woman's Viewpoint

By MRS. DON C. WALLACE,
"A Day-Fan Enthusiast"

Do you know how many prune stones there are in a pound of prunes? or what the least expensive cuts of meat are, and how to make them taste like a French chef had cooked them? or how to clean your upholstered furniture? The most approved method of punishing your children, and how to tell if they need punishing? For any one of these puzzling and interesting bits of information, and many others that the up-to-date housewife wants to know—meet Agnes White over the air every morning at 10:15:

Or if you are a man and interested in making a wise investment, listen in to "Dollars and Cents," and you will be given many invaluable pointers on buying stocks and bonds—even the more common terms in use in the stock exchanges are explained fully: the difference between such ferocious creatures as "bear" and "bull" for instance.

Or perhaps you are suffering from acidosis, or a bad cold, or indigestion. Tune in on Dr. Lovell and get some valuable data on how to take care of your health by eating correctly. Very frank and free from hypocrisy he is, too—worth giving an ear, even if you do like your coffee and doughnuts occasionally.

Exercise? Surely—every morning several classes for the early birds, and then again for the birds who are not so early. The pep of the leader and the sprightly music will inspire you to do your daily dozen or more, with as much pleasure as if you were in a gym class.

Will you have to stay home from church next Sunday for any reason? Tune in to the "Radio Church of the Air" Sunday evening, or to any of the excellent services conducted from regular churches in the morning and you may enjoy the programs from the depths of your favorite comfy chair.

The air is literally filled with good things to listen to—just have at hand a good radio set like the new Day-Fan, and you will never have reason to complain of being bored or not having enough to do.

Listening to the "Symphonies under the Stars" is a summertime treat never to be forgotten, especially if one plans to take the radio set out into the garden or patio of one's home, and gather a group of friendly listeners around for the evening. During the cooler winter evenings other famous symphony orchestras play for their radio listeners, who may be gathered about a cozy fire place listening . . .

Or if jazz suits the mood better, the best of modern dance music can be secured with a twist of the dial. Was there ever a prince with more costly or more talented entertainment at his finger tips? It sounds like a fairy tale.

Being "tied down to a house and seven children" has its compensations these days, with a radio set to keep one company. While the week's ironing or mending is being done, the housewife may listen to a history lecture to keep her brain from getting "rusty"—or she may tune in on a household discussion, such as a Gold Medal talk, for instance, and be given accurate information about the making of a new dessert for dinner.

Radio is taking the monotony out of housekeeping—for since most household tasks are more or less routine, the mind is left free to be entertained while the body is working.

Get acquainted with your radio set! Don't look upon it merely as a beautiful piece of furniture—use it and keep yourself alive and interesting. Have the best set you can afford, for it will give you pleasure and service in proportion to its worth, just as a fine automobile does.

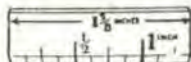
SALES MANAGER

Will consider connection December 10th. Wholesale or retail. Will manage radio department of department store. Have sales crew. Well known both with electrical and furniture dealers in Southern California and Arizona. Electrical engineer. Satisfactory references.

Address Box No. 10, Radio Doings,
407 E. Pico St., Los Angeles, Calif.

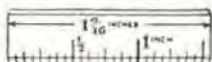
YAXLEY

APPROVED RADIO PRODUCTS

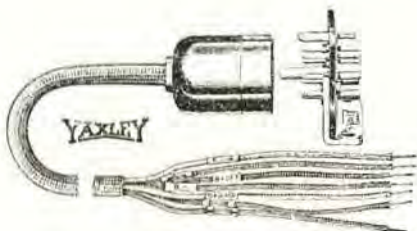


**Junior Rheostats
and
Potentiometers**
Also
Switching Rheostats

*Small in Size,
But Dependable*



**Cable
Connectors
for all
Sets,
AC and DC**



*R. M. A.
Standard
Color
Code
Used*

YAXLEY
No. 440 Full Automatic
Power Control



Full Automatic Power Control

Switches B eliminator and charger off and on and also automatically cuts in the charger at the low point and cuts out when battery is fully charged. Provides known, reliable, uniform power.

Manufactured by
Yaxley Manufacturing Co., Chicago, Ill.

Distributed by

RADIO SUPPLY CO.

H. A. DEMAREST, President

912-914 S. Broadway

VA. 6063

Los Angeles, Calif.

WHOLESALE

Largest Radio Parts Jobber West of Chicago

Schedule of DX Stations

RADIO DOINGS has been unable to publish the DX schedules since the reallocation plan went into effect on November 11th due to the fact that the stations have been forced to completely rearrange their schedules and are only now beginning to become adjusted to the new plan. There will be additions to the list below as we receive the new programs. The hours given below are the opening and closing hours of the evening broadcast. Reception is impossible prior to 5 p. m. and hence we do not give the preceding hours.

Call Letters	Location	Freq. Kc.	W. L. Meters	Power Watts	Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
WGR	Buffalo, N. Y.	550	545.1	750	4.45-7.15	5.00-10.00	5.00-8.00	4.30-9.00	5.00-10.00	5.00-9.00	6.00-8.00
WOW	Omaha, Neb.	590	508.2	1000	6.00-8.15	4.30-9.00	4.30-8.00	5.00-8.30	5.00-8.30	4.45-8.30	5.00-8.30
WDAF	Kansas City, Mo.	610	370.2	1000	7.15-8.00	5.00-11.00	5.00-11.00	5.00-11.00	5.00-11.00	5.00-11.00	5.00-11.00
WIP	Philadelphia, Pa.	610	491.5	500	7.00-8.00	5.00-9.00	S	5.00-9.00	S	5.00-9.00	S
WEAF	New York, N. Y.	660	454.3	50000	S	5.00-9.00	5.00-9.00	5.00-9.00	5.00-9.00	5.00-9.00	5.00-9.00
WLW	Mason, Ohio	700	428.3	50000	5.00-8.30	8.00-10.30	5.00-10.00	5.00-10.00	5.00-10.00	5.00-10.30	5.00-9.00
WOR	Newark, N. J.	710	422.3	5000	5.30-7.30	5.00-9.00	5.00-9.00	5.00-9.00	5.00-9.00	5.00-9.00	5.00-9.00
WGN	Chicago, Ill.	720	416.4	15000	5.10-10.00	5.00-10.10	5.00-10.10	5.00-10.10	5.00-10.10	5.00-10.00	5.00-12.00
CFCF	Montreal, Can.	730	410.7	1650	S	5.00-11.00	S	5.00-8.00	S	5.00-9.00	S
WJR	Detroit, Mich.	750	400	5000	5.00-10.00	5.00-10.00	5.00-10.00	5.00-10.30	5.00-10.00	5.00-10.00	5.00-10.30
WBBM	Chicago, Ill.	770	389.4	25000	5.30-1 A.M.	5.00-11.00	6.00-10.00	5.10-11.00	5.00-10.00	5.00-11.00	5.00-11.00
KFAB	Lincoln, Neb.	770	389.4	5000	S	4.00-10.00	4.00-6.00	4.00-10.00	4.00-6.00	4.00-10.00	4.00-10.00
WGY	Schenectady, N. Y.	790	379.5	50000	6.00-7.30	5.00-8.00	5.00-9.00	6.00-8.00	5.00-9.30	5.00-8.00	5.00-9.00
KTHS	Hot Springs, Ark.	800	374.8	5000	6.30-8.00	7.00-10.00	5.00-7.00	7.00-10.00	7.00-10.00	5.00-7.00	7.00-10.00
WCCO	Minneapolis, Minn.	810	370.2	10000	5.00-8.15	5.00-8.30	5.00-8.30	5.00-9.00	5.00-8.00	5.00-9.00	5.00-9.00
KFNF	Shenandoah, Ia.	890	336.9	500	5.00-6.00	5.30-7.10	5.30-7.10	5.30-9.00	5.30-7.10	5.30-9.00	5.30-9.00
WFLA-WSUN	Clearwater, Fla. St. Petersburg, Fla.	900	333.1	1000	S	5.30-9.00	5.30-9.00	5.30-9.00	5.30-9.00	5.30-9.00	5.30-9.00
WCFL	Chicago, Ill.	970	309.1	50000	4.30-6.00	4.30-6.00	4.30-6.00	4.30-6.00	4.30-6.00	4.30-6.00	4.30-6.00
KDKA	Pittsburgh, Pa.	980	305.9	50000	5.00-7.15	5.00-7.30	5.00-8.00	5.00-9.00	5.00-8.30	5.00-9.00	5.00-9.00
CNRV	Vancouver, B. C.	1030	291.1	500	9.00-10.00	10.00-11.00	9.00-10.00	10.00-11.00	10.00-11.00	7.30-11.00	S
WBAL	Baltimore, Md.	1060	283	5000	5.00-7.30	5.30-8.00	5.00-8.00	5.00-8.00	5.00-8.00	5.00-8.00	5.00-8.00
WTAM	Cleveland, Ohio	1070	286.2	3500	6.00-9.00	5.00-9.00	5.00-9.00	5.00-9.00	5.00-9.00	5.00-9.00	5.00-9.00
WPG	Atlantic City, N. J.	1100	272.6	5000	6.15-8.30	5.00-9.00	5.00-9.00	5.00-9.00	5.00-9.00	5.00-9.00	5.00-9.00
KOIL	Council Bluffs, Neb.	1260	238	1000	5.00-9.15	5.00-10.00	5.00-10.00	5.00-10.00	5.00-10.00	5.00-10.00	5.00-11.00


SM

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National Broadcasting Co., Inc.

PACIFIC COAST NETWORK



JENNINGS PIERCE
Announcer

**KFI KPO KGO
KGW KOMO
KHQ**

Charles H. Gabriel, Jr.
Program Director

Jennings Pierce
Chief Announcer
and Program Director

DAILY

5:30 p. m.—Time broadcast (except Saturday).
10:30 p. m.—The Trocadero's Dance Orchestra, except Monday.

SUNDAY, DECEMBER 9

1:30 p. m.—Gracious waltz rhythms from Strauss' internationally successful three-act comedy for music, "Der Rosenkavalier," mark the opening number of the Peerless Reproducers' program.
Broadcast over stations KHQ, KOMO, KGW, KGO, KPO and KFL.

3:00 p. m.—Sunday Afternoon Concert. Phyllida Ashley, brilliant and renowned pianist, will be the guest artist for the Sunday Afternoon Concert.
Broadcast over KHQ, KOMO, KGW, KGO, KPO and KFL.

4:30 p. m.—"The Prodigal Son" will be broadcast during the Biblical Dramas period.
Broadcast over KHQ, KOMO, KGW, KGO, KPO and KFL.

1:15 p. m.—Beloved strains of "Home, Sweet Home," will greet listeners for the second of the new fifteen-minute Dunn and McCarthy program.
Broadcast through KHQ, KMO, KGW and KFL.

7:30 p. m.—Ring's "African Dances" open the White-tail Anglo-Persian program. Another dance melody is listed among the selections—the "Gypsy Dancer," from Bizet's intensely dramatic opera, "Carmen."
Broadcast over KHQ, KOMO, KGW, KGO and KFL.

9:00 p. m.—De Koven's "Robin Hood," his best-known light opera, provides the opening number on the Alwater Kent program. Memories of Ireland will be recalled as the orchestra presents "The Emerald Isle."
Broadcast over KHQ, KOMO, KGW, KGO, KPO and KFL.

MONDAY, DECEMBER 10

6:30 p. m.—Coming three thousand miles across the continent from New York to the Pacific Coast, a General Motors Family Party will be broadcast through NBC System stations tonight from 6:30 to 7:30 o'clock, Pacific Standard Time.
Broadcast over KHQ, KOMO, KGW, KGO, KFL.

8:00 p. m.—An hour of musical entertainment will be broadcast through NBC System stations tonight from 8:00 o'clock by Rudy Seiner's Shell Symphonists.
Broadcast over KHQ, KOMO, KGW, KGO, KPO and KFL.

9:20 p. m.—The "Voice of Firestone" will be heard by the Pacific Coast for the second time when another program in this series is broadcast at this time.
Broadcast over KHQ, KOMO, KGW, KGO and KFL.

9:30 p. m.—Mozart's last great work, "The Magic Flute," and Dvorak's touchingly beautiful "New World Symphony" are outstanding compositions to be represented on the Slumber Hour program.
Broadcast over KHQ and KGW.

TUESDAY, DECEMBER 11

10:30 a. m.—"Woman's Magazine of the Air."
Broadcast over KHQ, KOMO, KGW, KGO, KPO and KFL.

6:00 p. m.—The Eveready Hour, to be broadcast from New York through NBC System stations, from 6:00 to 7:00 o'clock tonight, Pacific Standard Time, will be furnished you by the Eveready Hours, room 1341, 200 Fifth Avenue, New York City.
Broadcast over KHQ, KOMO, KGW, KGO and KFL.

6:00 p. m.—Sparkling dance music, played by the Cleopatra Club Eskimos at New York, will broadcast through a nation-wide network of NBC System stations tonight.
Broadcast over KHQ, KOMO, KGW, KGO, KPO and KFL.

7:30 p. m.—Music of Russian composers will be featured during the "Musical Miniatures," conceived and produced by Max Dolin.
Broadcast over KGO.

8:00 p. m.—Lifting songs of the Southland will regale auditors who accept the invitation of Judge Chandler to be guests at his Dixie mansion tonight from 8:00 to 8:30 o'clock, during the broadcast of "Plantation Echoes," through stations of the NBC System.
Broadcast over KHQ, KGW, KGO and KPO.

8:30 p. m.—Arnaldo's Gitanos will offer characteristically bright music, with the themes of the Old World and the New affording interesting contrasts.
Broadcast over KHQ, KOMO, KGW, KGO, KPO and KFL.

WEDNESDAY, DECEMBER 12

10:30 a. m.—Suggesting solutions to Household problems, Helen Webster will talk to housewives.
Broadcast over KHQ, KOMO, KGW, KGO, KPO and KFL.

11:30 a. m.—Dramatic incidents in the tragic life of Mary Stuart, Queen of Scots, will be reviewed during the "Hands of History" program.
Broadcast over KGO and KFL.

6:30 p. m.—Palmolive Hour. Details to be released later.
Broadcast over KHQ, KOMO, KGW, KGO and KFL.

7:30 p. m.—Interspersing music with dramatic episodes, one of the "Yellow Cab Gazettees" will be broadcast at this time.
Broadcast over KPO and KFL.

8:30 p. m.—Two NBC artists, Charles H. Gabriel, Jr., pianist, and Max Dolin, violinist, will entertain auditors with a thirty-minute radio recital beginning at 8:30 o'clock tonight.
Broadcast over KHQ and KGW.

9:00 p. m.—Listeners will follow another "Roads to Romance" adventure of "Jack and Ethyl, the Associated Motormen," tonight, from 9:00 to 9:30.
Broadcast over KHQ, KOMO, KGW, KGO, KPO and KFL.

THURSDAY, DECEMBER 13

12:30 a. m.—The music of Poland will be the lesson theme for the Standard School Broadcast this morning. As in previous lessons, the musical illustrations will be played by the Arion Trio.
Broadcast over KHQ, KOMO, KGW, KGO, KPO and KFL.

8:00 p. m.—"Ceasing to Care," a song written especially for James Melton, Seiberling tenor, will be heard by radio audiences for the first time when Melton sings it during the Seiberling program.
Broadcast over KHQ, KOMO, KGW, KGO, and KFL.

7:30 p. m.—"Polish Mazurka," one of the most famous and characteristic of Chopin's works, will be presented by the Standard Symphony Orchestra, under the direction of Max Dolin, as the opening number of the Standard Symphony Hour broadcast. Tonight's concert features numbers explained during the Standard School morning broadcast.
Broadcast over KHQ, KOMO, KGW, KGO and KFL.

8:30 p. m.—The "Memory Lane" program broadcast through NBC System stations from 8:30 to 9:30 o'clock tonight will have as its central idea the timely topic of Christmas gifts.
Broadcast over KOMO, KGW and KGO.

9:30 p. m.—The "Cuckoo" Waltz, which recently became one of the favorites of the American public, and Kettleby's "Bells Across the Meadows" are among other numbers to be played by the Maxwell House Concert Orchestra under Max Dolin.
Broadcast over KHQ, KOMO, KGW, KGO, KPO and KFL.

(Continued on Page 122)

Golden Bear AIR COLUMN SPEAKER

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6 to 7 P. M.
Pacific Standard Time

KOMO, KHQ,
KGW, KGO,
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7 to 8 P. M.
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ROBERT HURD

KFI

Los Angeles, Calif.—640 Kc.

5000 WATTS—468.5 METERS

Radio Central Super-Station of Earle C. Anthony, Inc.
1000 S. Hope, Phone WE. 0331, After 5 P. M., WE. 9337

DAILY EXCEPT SUNDAY

8:00 a. m.—Shell Happy Time from KPO.
12:00 noon—U. C. and U. S. Dept. of Agriculture Talks.
12:15 p. m.—Federal and State Market Reports.
1:00 p. m.—Talk on Traffic Violations (except Tuesday).
5:00 p. m.—Big Brother Ken (except Saturday).
10:00 p. m.—NBC Dance Music (except Monday and Tuesday).

4:00 p. m.—Inez Ingram, she and song; Bell Biddlewell Dancie, soprano.
5:30 p. m.—Nelle Callender Mills, violinist.
6:00 p. m.—Old Man Opportunity.
6:30 p. m.—NBC, Palmolive program.
7:30 p. m.—NBC, Yellow Cab Company.
8:00 p. m.—Pasadena Trio.
9:00 p. m.—NBC, Associated Oil Co. program.
9:30 p. m.—Georgia O. George Lab.
10:00 p. m.—NBC, Dance music.

THURSDAY, DECEMBER 11

9:00 a. m.—Musical Program by Sylvia.
10:00 a. m.—Sylvia's Happy Hour; Bristol and Hoodin, sponsors.
11:00 a. m.—Georgia O. George Lab.
11:30 a. m.—NBC, Standard School program.
12:25 p. m.—Kenny and Ray.
1:02 p. m.—Smiling Eddie Marble.
1:30 p. m.—Elizabeth Cooper.
2:00 p. m.—Helen White and Sarah Whitmore; Aaron Gonzales, pianist.
2:45 p. m.—Felix Orman, "American Motion Pictures in Europe."
3:00 p. m.—Alma and Adela Howell.
3:30 p. m.—Betty Thompson, contralto and pianist.
4:30 p. m.—Jack McGuire and Albee Stoddard; Kay Phillips.
5:30 p. m.—Griffith Jones, attorney.
5:45 p. m.—Senator George W. Cartwright.
6:00 p. m.—NBC, Selterling Singers.
6:30 p. m.—Red Wyatt and Eddie Goldmacher, pianist.
7:00 p. m.—Geo. E. Chase, L. A. Public Library.
7:30 p. m.—NBC, Standard Oil Symphony Hour.
8:30 p. m.—Georgia O. George program.
9:30 p. m.—NBC, Maxwell House program.
10:15 p. m.—NBC, Dance music program.

FRIDAY, DECEMBER 11

10:00 a. m.—Betty Crocker.
10:30 a. m.—NBC, Woman's Magazine of the Air.
12:25 p. m.—Franklin L. Graves talk.
2:00 p. m.—Variety.
2:30 p. m.—Win. Don, English comedian; Harold Ray, violin, tenor.
3:00 p. m.—Dolly McDonald, blues.
3:30 p. m.—Victor Miller, "Character Sketches."
4:00 p. m.—Ceclian Trio and Hilda Goldman.
5:00 p. m.—Big Brother Ken.
5:30 p. m.—Uncle Andy Claus; Erwin Waser & Co.
6:00 p. m.—NBC, Wrigley program.
6:30 p. m.—Studio program.
7:00 p. m.—NBC, L. A. Studio Spanish Hour with Los Caballeros and Jose Gil.
8:00 p. m.—NBC, RCA Hour.
9:00 p. m.—Packard Concert Orch., Pryor Moore, dir.
10:00 p. m.—NBC, Dance music.

SATURDAY, DECEMBER 15

12:25 p. m.—Silverstone Harmonica Trio.
12:45 p. m.—Paris Inn Cafe Orchestra, P. E. Shultz, Jr., director.
1:02 p. m.—Paris Inn Cafe Orchestra.
1:30 p. m.—Dicky Thomas and Berta Hill.
2:00 p. m.—Ernie La Jeunesse.
3:00 p. m.—D'Arcy Corrigan, mystery stories.
4:00 p. m.—Variety Hour.
5:00 p. m.—Walter W. Strong, dietician.
5:15 p. m.—Opal Snow, ballads.
6:00 p. m.—NBC, Philco Hour.
7:00 p. m.—NBC, Dance music program.
8:00 p. m.—Packard Concert Orchestra.
9:00 p. m.—Grand Opera program, "Il Trovatore," by Leoncavallo, with Virginia Flohr, Robert Hurd, Everton Stidham and Pryor Moore's Orchestra.
11:00 p. m.—KFI Midnight Frolic.

* See Page 76 for detailed program of National Broadcasting Company.

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Glenn R. Dolberg
Night Time Director

E. K. Barnes
Daytime Director

C. M. C. Raymond
Commercial Director

Ernest G. Underwood
Technical Director

7:30 p. m.—Chevrolet Motors program.
8:00 p. m.—Sun Dodgers, with Charlie Wellman.
9:00 p. m.—Don Lee Symphony Orchestra.

TUESDAY, DECEMBER 11

4:00 a. m.—University of Southern California.
11:15 a. m.—Dr. Eugene Brown, talk on "Health."
12:45 p. m.—L. A. Adv. Club luncheon, from Biltmore.
1:30 p. m.—Myrrol program, with Charlie Wellman.
2:00 p. m.—U. S. C. Trojan Hour.
2:30 p. m.—Street and Highway Safety.
4:00 p. m.—Dr. Frank McCoy, health talk.
4:30 p. m.—Rabbi Edgar Magnin's Hour.
7:30 p. m.—Overell Furniture Co. playlet.
8:00 p. m.—Chevrolet Motors program.
9:00 p. m.—Don Lee Symphony.

WEDNESDAY, DECEMBER 12

10:00 a. m.—University of Southern California.
12:45 p. m.—L. A. Optimists' Club Luncheon from Biltmore.
2:00 p. m.—Dr. Eugene Brown, health talk.
2:30 p. m.—Los Angeles Public Library.
4:00 p. m.—Fred C. McNabb, Garden talk.
7:00 p. m.—Liquorcoold program, with Charlie Wellman.
7:30 p. m.—Chevrolet Motors program.
8:00 p. m.—Pacific States Savings & Loan Co. program.
9:00 p. m.—Elvia Allman's Surprise Package.

THURSDAY, DECEMBER 13

10:00 a. m.—University of Southern California.
11:30 a. m.—Studio program.
2:00 p. m.—Bureau of Public Safety.
2:30 p. m.—Dorothy Ellen Cole, "This and That."
4:00 p. m.—Dr. Philip M. Lovell, "Care of the Body."
4:30 p. m.—"Uncle Jerry," "Trip Through Funland."
7:00 p. m.—Inglewood Park Cemetery Association.
7:30 p. m.—Chevrolet Motors program.
8:00 p. m.—Ungar & Watson, Inc.
9:00 p. m.—Martin Music Co. program.

FRIDAY, DECEMBER 14

8:00 a. m.—Verdugo Woodlands Breakfast Club.
2:00 p. m.—U. S. C. Trojan Hour.
2:30 p. m.—Florence Dobinson, The Theater, Past, Present and Future.
3:00 p. m.—Elvia Allman's Surprise Package.
4:00 p. m.—Los Angeles City Schools program.
4:30 p. m.—Council of International Relations.
7:00 p. m.—U. S. C. Trojan program.
7:30 p. m.—Myrrol Chemical Co. program, with Charlie Wellman.
8:00 p. m.—Continuity program, written by Vau C. Newkirk.
9:00 p. m.—Don Lee Symphony.

SATURDAY, DECEMBER 15

8:00 to 12:00 noon—Dark.
2:00 p. m.—KHJ Concert Solists.
3:00 p. m.—Melody Masters.
7:00 p. m.—Bond Electric Corp. program.
7:30 p. m.—General Motors Co. program.
8:00 p. m.—KHJ Concert Orchestra.
9:00 p. m.—Charlie Wellman and his Merry-makers.

DAILY EXCEPT SUNDAY
7:30 a. m.—Physical Culture Period by Dr. Phillip M. Lovell.
8:00 a. m.—KHJ Early Bird Program (ex. Fri. & Sat.).
9:00 a. m.—Half hour of late recordings (ex. Saturday).
9:30 a. m.—Studio Program, featuring Mona Content (except Saturday).
10:15 a. m.—Agnes White, "At Our House" (ex. Sat.).
12:00 noon—Los Angeles Biltmore Hotel Concert Orch.
12:30 p. m.—World-Wide News, courtesy L. A. Times.
1:30 p. m.—Charlie Wellman's Request Program.
3:00 p. m.—Matinee Melody Masters (except Monday).
4:00 p. m.—Lecture Period.
5:00 p. m.—Story Man and his Air Castle (ex. Mon.).
6:00 p. m.—Nightly Dolberg.
6:15 p. m.—Organ Recital by Wesley B. Tourtellotte.
6:45 p. m.—World-Wide News, courtesy L. A. Times.
7:00 p. m.—Concert Orchestra and Solists (ex. Tues.).
10:00 p. m.—Earl Burnett's Los Angeles Biltmore Hotel Concert Orchestra and Intermissions, through the courtesy of Ungar & Watson, Majestic Distributors.

SUNDAY, DECEMBER 9

9:30 a. m.—Late recordings.
10:30 a. m.—Morning services, First M. E. Church.
12:30 p. m.—Recordings.
2:00 p. m.—"The Old Adobe of Verdugo Woodlands."
3:00 p. m.—Concert recordings, courtesy Richardson's.
3:30 p. m.—KHJ Ballad Hour.
6:00 p. m.—Nightly Dolberg.
6:15 p. m.—Evening Musicals, First M. E. Church.
6:45 p. m.—World-Wide News, courtesy L. A. Times.
7:00 p. m.—Evening services from First M. E. Church.
8:00 p. m.—Don Lee Symphony Orchestra.
9:00 p. m.—Cadillac-LaSalle Orchestra.
10:00 p. m.—Viennese Quintette.
11:30 p. m.—KHJ Dance Orchestra.

MONDAY, DECEMBER 10

10:00 a. m.—University of Southern California.
11:15 a. m.—Dr. Eugene Brown.
3:00 p. m.—"Chasin' the Blues."
4:30 p. m.—George M. Lord, Western Air Express.
4:45 p. m.—M. D. Benesh, L. A. Co. Sheriff's Office.
4:30 p. m.—Marye Shannon Harrington, talk on "Problems of the Home."
5:00 p. m.—Pacific States Savings & Loan Co. program.
6:15 p. m.—Organ recital by Wesley Tourtellotte.

MAJESTIC!

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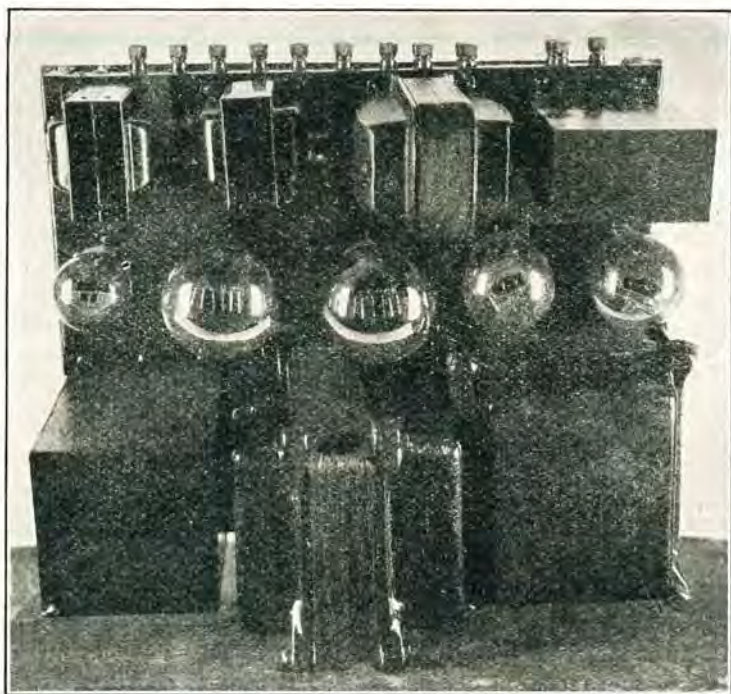
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HAROLD ISBELL

DAILY EXCEPT SUNDAY

- 6:45 a. m.—"Earlybirds," exercises given by Dr. P. M. Selvas.
 7:15 a. m.—"Pep and Vigor," exercises given by Dr. P. M. Selvas.
 7:45 a. m.—"Home Folks," exercises given by Dr. P. M. Selvas.
 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, conducted by Carrie Preston Bittmeister.
 10:00 a. m.—Town Crier of the Day's morning message.
 10:30 a. m.—Kate Brew Vaughn, director of Household Economics Department of the Evening Express.
 12:00 noon—Longines Time Signals, courtesy Geo. D. Davison Company.
 12:00 noon—Musical Program.
 12:30 p. m.—W. F. Alder, travelogue.
 1:30 p. m.—The Bookworm.
 2:00 p. m.—Program, through the courtesy of the Los Angeles Evening Express Classified Advertising Department.
 2:30 p. m.—Musical Program.
 3:00 p. m.—C. P. R.'s Musical Program.
 4:15 p. m.—Lost and Found Announcements.
 4:25 p. m.—Stock market reports.
 5:00 p. m.—"Own Your Own Home," by Chet Miltendorf.
 5:45 p. m.—Town Crier's Timely Amusement Tips.
 6:00 p. m.—Dinner Program, presenting the KNX String Quintet, under the direction of Paul Finsteln.
 6:30 p. m.—C. Sharp—Minor at the organ from the Hotel Ambassador Theater.
 7:00 p. m.—Longines Time Signals, courtesy Geo. D. Davison Company.
 10:00 p. m.—Longines Time Signals, courtesy Geo. D. Davison Company.
 10:00 p. m.—Hotel Ambassador; Gus Arnheim and His Coconut Grove Orchestra, through the courtesy of the Rex Motor Car Company of California.
 12:00 midnight—The Dorado Club Silver Fizz Dance Hour.
- SUNDAY, DECEMBER 9**
 9:00 a. m.—Musical Program by Chet Miltendorf.
 10:00 a. m.—Regum Toothpaste Company, courtesy program.
 11:00 a. m.—First Presbyterian Church of Hollywood.
 12:30 p. m.—"Automobile Buyers' Guide."
 1:00 p. m.—Inter. Bible Students' Assn.
 2:00 p. m.—City Park Board Musical Program.
 4:00 p. m.—Roberts' Golden State Band.
 5:30 p. m.—All Souls Church; Dr. Charles Akod.
 6:00 p. m.—Talk by Ernest Holmes.
 6:30 p. m.—Hollywood Unitarian Church.
 7:00 p. m.—Josef Rosenfeld's Concert Orchestra from Hotel Ambassador.
 8:00 p. m.—First Presbyterian Church of Hollywood; Rev. Stewart P. MacLennan, pastor.
 9:00 p. m.—Calmon Lubovicki, master violinist; Claire Mellonino, pianist; Walter V. Fernet, cellist.
- MONDAY, DECEMBER 10**
 11:00 a. m.—Georgia O. George, courtesy program.
 4:00 p. m.—Perfect eyesight without glasses by Dr.

KNX Hollywood, Calif.—1050 Kc.

5000 Watts—285.5 Meters—Los Angeles Evening Express
 Paramount-Lasky Studio, 5555 Marathon
 "The Voice of Hollywood"

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Naylor Rogers
 Manager and Program
 Director

Glen Rice
 Assistant Manager

N. D. Garver
 Technical Engineer

- Wesley M. Barrett.
 7:00 p. m.—Feature Program.
 7:30 p. m.—One-act play, directed by Georgia Fifield, courtesy of the Overall Furniture Company.
 8:00 p. m.—Fitzgerald Music Company courtesy program.
 9:00 p. m.—Feature Program.

TUESDAY, DECEMBER 11

- 11:00 a. m.—Strasska Laboratories, presenting Tom Breneman.
 11:30 a. m.—French Lessons by Edgard Leon.
 12:30 p. m.—Musical Program.
 4:00 p. m.—Garden talk by Dewey R. Kruskeberg, through the courtesy of the Theodore Payne Nurseries.
 4:30 p. m.—Riccardo, the psychic prince.
 7:00 p. m.—Talk on popular science by Dr. Mars Baumgardt.
 8:00 p. m.—Hercules Gasoline Company, presenting "Rufus and His Mule Hercules."
 9:00 p. m.—Feature Program.

WEDNESDAY, DECEMBER 12

- 4:00 p. m.—Perfect eyesight without glasses, by Dr. Wesley M. Barrett.
 6:00 p. m.—Playgoers' Club, conducted by Wedgwood Nowell.
 7:00 p. m.—Maytag Company, courtesy program.
 7:00 p. m.—Strasska Laboratories, presenting Tom Breneman.
 8:00 p. m.—Brown Israel Company, courtesy program.
 8:30 p. m.—Great Moments in Biscuitry, courtesy of the Log Cabin Bread Company.
 9:00 p. m.—Feature Program.

THURSDAY, DECEMBER 13

- 11:00 a. m.—French Lessons by Edgard Leon.
 2:30 p. m.—Paul Hugon.
 4:00 p. m.—Louise Johnson, reading horoscopes.
 7:00 p. m.—Strasska Laboratories, presenting Tom Breneman.
 7:30 p. m.—Imperial Gas Company of Long Beach, courtesy program.
 8:00 p. m.—Platt Personality Program.
 9:30 p. m.—Feature Program.

FRIDAY, DECEMBER 14

- 10:30 a. m.—Strasska Laboratories, presenting Tom Breneman.
 2:30 p. m.—Los Angeles District Federation of Women's Clubs.
 4:00 p. m.—Perfect eyesight without glasses, by Wesley M. Barrett.
 5:15 p. m.—Riccardo, the psychic prince.
 10:30 p. m.—Strasska Laboratories, presenting Tom Breneman.
 7:30 p. m.—Hancock Oil Company, courtesy program.
 8:00 p. m.—Royal Order of Optimistic De-Nuts, through the courtesy of the Davis Perfection Broad Company.
 9:00 p. m.—Gilmore Oil Company, presenting the Lion Tamers' program.
 9:45 p. m.—Broadcasting the main event from the Hollywood Legion Stadium, through the courtesy of Dan Parker, the tailor.

SATURDAY, DECEMBER 15

- 10:30 a. m.—Beauty talk, courtesy of Madam Maria.
 1:00 p. m.—C. P. R.'s Musical Program.
 2:00 p. m.—Broadcasting the football game from the Coliseum, through the courtesy of the Union Oil Co.
 6:00 p. m.—Playgoers' Club, conducted by Wedgwood Nowell.
 7:30 p. m.—Bundy & Albright, courtesy program.
 8:00 p. m.—Announcement of the services of the leading Los Angeles Churches.
 8:05 p. m.—Feature Program.
 9:00 p. m.—Mr. and Mrs. Radio Kid.
 9:00 p. m.—Feature Program.
 1:00 a. m.—The Midnight Express.

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The essential features of these programs are identical with those sent by the stations.
By order of the Federal Radio Commission, KMTR and KPLA must share time.



GERALD G. STALEY

DAILY EXCEPT SUNDAY

- 8:00 a. m.—The New Idea Man's Wholesome Food Breakfast Club.
8:57 a. m.—Time Signals from Washington, D. C.
9:00 a. m.—Mildred Kitchen of the Household Economics Department of the Evening Herald.
1:00 p. m.—Dollars and Sense Man.
1:30 p. m.—Electrola Recordings.
7:00 a. m.—The New Idea Man's Wholesome Food Breakfast Club, with Louise Howell.
9:00 a. m.—Musical Journey with the New Idea Man
9:00 p. m.—Majestic Radio program from New York City over the Columbia Network.
7:00 p. m.—Loren Powell's Little Symphony
MONDAY, DECEMBER 10
1:00 p. m.—Evening Herald news bulletins.
1:30 p. m.—KMTR Radio Press Agent program.
2:15 p. m.—KMTR Spanish program.
7:00 p. m.—Evening Herald news bulletins.
7:15 p. m.—Timely Topics.
7:30 p. m.—Los Angeles Realty Board courtesy program.
8:00 p. m.—Loren Powell's Little Symphony
9:00 p. m.—Kelley Kar Company popular program.
TUESDAY, DECEMBER 11
8:42 a. m.—Georgia O. George courtesy program.

KMTR

Gerald G. Staley
Business Manager
Dean Metcalf
Publicity
Forbes Van Why
Chief Engineer
Loren Powell
Program and Musical
Director
Leslie Adams
Chief Announcer

Hollywood, Calif.—570 Kc.

500 WATTS—525.0 METERS
KMTR RADIO STATION, 1028 N. Highland Ave. HOLLY 3026
The Official Broadcasting Station of the
Los Angeles Evening Herald.

- 1:30 p. m.—KMTR Radio Press Agent Hour.
2:00 p. m.—Terpzone courtesy program.
2:30 p. m.—KMTR Spanish program.
7:00 p. m.—Santa Claus on the Air.
7:30 p. m.—Timely Topics.
7:45 p. m.—Evening Herald news bulletins.
9:00 p. m.—Purr-Pull Gasoline popular program.
9:30 p. m.—Musical program.

WEDNESDAY, DECEMBER 12

- 1:30 p. m.—KMTR Radio Press Agent Hour.
2:00 p. m.—Garden Talk by Opal Scarborough.
2:15 p. m.—KMTR Spanish program.
7:00 p. m.—Evening Herald news bulletins.
7:15 p. m.—Timely Topics.
7:30 p. m.—Musical program.
8:00 p. m.—Loren Powell's Little Symphony
9:00 p. m.—Overall's Furniture Company courtesy program of light operatic selections.

THURSDAY, DECEMBER 13

- 7:00 p. m.—Santa Claus on the Air, through the courtesy of the May Company.
7:30 p. m.—Timely Topics.
7:45 p. m.—Evening Herald news bulletins.
8:00 p. m.—Loren Powell's Little Symphony
9:00 p. m.—Kelley Kar Company courtesy program

FRIDAY, DECEMBER 14

- 8:45 a. m.—Georgia O. George courtesy program.
1:30 p. m.—KMTR Radio Press Agent Hour.
2:00 p. m.—Timely Topics.
2:15 p. m.—KMTR Spanish program.
7:45 p. m.—Evening Herald news bulletins.
8:00 p. m.—Daltons, Incorporated, courtesy program.
9:00 p. m.—Popular program.

SATURDAY, DECEMBER 15

- 7:54 p. m.—Evening Herald news bulletins.
8:00 p. m.—Loren Powell's Little Symphony
9:00 p. m.—Kelley Kar Company popular program



MAEBELLE LESLIE

DAILY EXCEPT SUNDAY

- 9:15 a. m. to 10:00 a. m.—Band.
11:00 a. m. to 1:30 p. m.—Classified Ads.
12:00 noon—Recordings.
3:00 p. m.—Popular Request program.
4:00 to 6:00 p. m.—KPLA Concert Quartet with soloist
10:00 p. m.—KPLA Dance Orchestra, soloists (ex. Sat.) (except Saturday).
SUNDAY, DECEMBER 9
3:00 p. m.—Concert recordings.
6:00 p. m.—Moran & Mack, Two Black Crows, featured over the Columbia Network.
9:00 p. m.—KPLA Dance Orchestra, Edna McKee, Wint Cotton, Billy Barron, in request program.
MONDAY, DECEMBER 10
10:00 a. m.—Prudence Penny.
10:30 p. m.—Re Nu Yuth program with Novelty Six
4:05 p. m.—Concert Quartette with Leonard Van Berg.
5:00 p. m.—KPLA Concert Quartette with Ruth Glesley.
6:00 p. m.—Druggist Radio Association.
7:00 p. m.—J. H. Bentley, Safet-First program
10:00 p. m.—Romola, Inc., program, KPLA Dance Orchestra and Frankie Callahan.
TUESDAY, DECEMBER 11
10:00 a. m.—Sunny Three Hawaiian Trio.
10:30 a. m.—Novelty Six.

KPLA

Los Angeles, Calif.—570 Kc.

500 WATTS—525.0 METERS
Commercial Exchange Building, Eighth and Olive Streets
Official Station of The Los Angeles Examiner

Phone TRINITY 3202
A. MacDonald
Manager
Yale Whitney
Announcer
Billy Barron
Program Manager and
Director of Popular
Orchestra
Maebelle Leslie
Director of Concert
Orchestra
G. M. Sprague
Director of Transmission

- 4:05 p. m.—Concert Quintette and soloist.
5:00 p. m.—KPLA Salon Orchestra with Hulda Dietz.
7:00 p. m.—Druggist Radio Association.
8:00 p. m.—Bridge Game, courtesy U. S. Playing Card Company.
8:30 p. m.—Metropolitan Theatre Revue.
10:00 p. m.—Romola, Inc., with Billy Barron

WEDNESDAY, DECEMBER 12

- 10:00 a. m.—Prudence Penny.
10:30 a. m.—Re Nu Yuth program with Novelty Six
4:05 p. m.—Maebelle Leslie and her Concert Quartette.
5:00 p. m.—KPLA Concert Quintette
6:00 p. m.—Druggist Radio Association program.
7:00 p. m.—J. H. Bentley Safet-First program
9:00 p. m.—Romola, Inc., KPLA Dance Orchestra with Joe Graham.

THURSDAY, DECEMBER 13

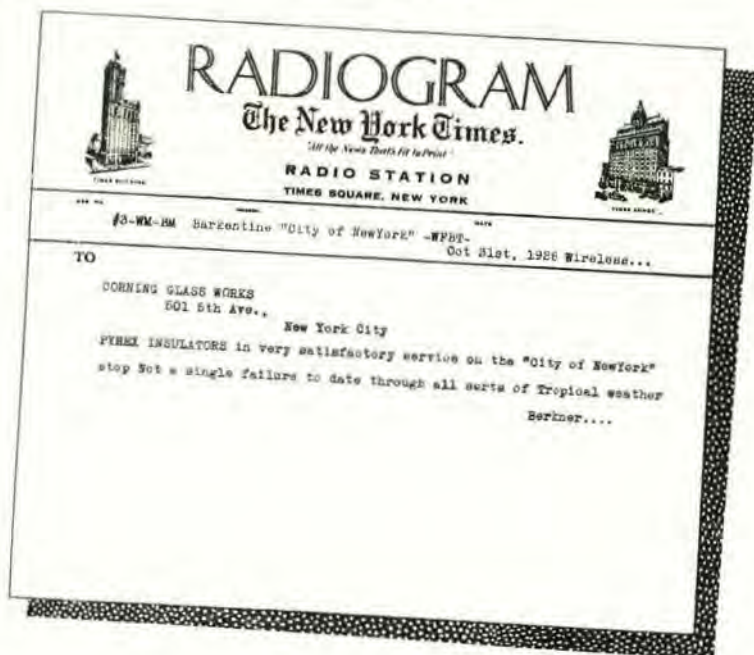
- 10:00 a. m.—Sunny Three Hawaiian Trio.
10:30 a. m.—Novelty Six.
4:05 p. m.—String Quartette with Wint Cotton.
5:00 p. m.—Maebelle Leslie and her Concert Quintette
6:00 p. m.—Druggist Radio Association program.

FRIDAY, DECEMBER 14

- 10:00 a. m.—Prudence Penny.
10:30 a. m.—Re Nu Yuth program with Novelty Six.
3:00 p. m.—Los Angeles Police Dept.
4:05 p. m.—Concert Quintette with soloist.
5:00 p. m.—KPLA Salon Orchestra
6:00 p. m.—Druggist Radio Association program.
7:00 p. m.—J. H. Bentley Safety-First program with the Sunny Three.
9:00 p. m.—Moran & Fields Courtesy program. Band

SATURDAY, DECEMBER 15

- 10:00 a. m.—Sunny Three Hawaiian Trio.
10:30 a. m.—Eastern Football game.
2:00 p. m.—Football game at Coliseum.
5:00 p. m.—KPLA Concert Quintette with Otto Plotz.
8:00 p. m.—Druggist Radio Association.
10:00 p. m.—Billy Barron and his Orchestra



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Leslie Hewitt
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Hollywood, Calif.—950 Kc.

1000 WATTS—315.6 METERS
WARNER BROS. MOTION PICTURE STUDIOS
Warner Brothers' Theater, 6425 Hollywood Boulevard

8:10 p. m.—Don Thraffkill, baritone; KFWB Concert Orchestra.

9:00 p. m.—Bill's Ragtime Review,
Signing off at 10:00 P. M.

MONDAY, DECEMBER 10

9:00 p. m.—Wurlitzer Music Co.

TUESDAY, DECEMBER 11

8:00 p. m.—Vicenzo Pometti's Concert Orchestra; Vernon Rickard, tenor.

9:00 p. m.—Edgeworth Club program.

9:30 p. m.—Blow by blow description of the Olympic Auditorium boxing bout.

10:30 p. m.—Roy Fox's Orchestra, by remote control from the Montmartre Cafe.

WEDNESDAY, DECEMBER 12

8:00 p. m.—By remote control from the Breakfast Club.

1:30 p. m.—Roy Fox's Orchestra, by remote control from the Montmartre Cafe.

2:30 p. m.—Housekeepers' Chat, by Aunt Sammy.

8:00 p. m.—Xavier Cugat and his Gigolos; Carmen Castillo, soprano, in "Memories of Early California."

9:00 p. m.—Keeney and Ray, harmony duo, and the KFWB Concert Orchestra.

THURSDAY, DECEMBER 13

8:00 p. m.—Ann Grey in popular songs; the Srenaders.

9:00 p. m.—Federal Radio Corporation, featuring Vernon Rickard, tenor, and the Federal Radio Orch.

FRIDAY, DECEMBER 14

1:30 p. m.—Roy Fox Orchestra, by remote control from the Montmartre Cafe.

2:30 p. m.—Housekeepers' Chat, by Aunt Sammy.

7:45 p. m.—Gene Leonard, "Wizard of the Ivories."

8:00 p. m.—Daily News Items; Hawaiian Quartet; Esther White and Lucy Wilbur in harmony numbers.

9:00 p. m.—Light Opera Hour, played by Vicenzo Pometti's Concert Orchestra, assisted by Emma Kimmell, soprano, and Charles Beauchamp, tenor.

SATURDAY, DECEMBER 15

7:45 p. m.—Don Warner in piano solos.

8:00 p. m.—Mona Motor Ollers; Jean Cowan, popular songs.

9:00 p. m.—Program in honor of the Illustrated Daily News.

7:00 a. m.—Jack Rinearson's Sunshine Melody Boys.

9:30 a. m.—Harmony Hour.

10:30 a. m.—Spanish program.

11:00 a. m.—KFWB Shoppers' Directory.

12:30 p. m.—Air Journal.

1:30 p. m.—Housekeepers' Chat by Aunt Sammy of U. S. Home Economics.

4:00 p. m.—Travel Tales.

5:00 p. m.—Radio Review.

5:45 p. m.—Town Tattler.

6:00 p. m.—KFWB Concert Quintet.

6:45 p. m.—Harry Jackson an entertainers (from Pig's Whistle, Hollywood).

7:15 p. m.—Kolster Orchestra, courtesy John G. Rapp Corp., Kolster Radio Dist.

7:45 p. m.—Daily News (except Saturday).

8:00 p. m.—Time Signal, New Haven Clock Co.

10:00 p. m.—Roy Fox Orchestra from Montmartre.

Signing off at 11:10 (except Tuesday).

SUNDAY, DECEMBER 9

10:00 a. m.—Program by courtesy of Dan Parker, Tailor.

6:00 p. m.—Harry Jackson and his Entertainers, by remote control from Pig's Whistle, Hollywood.

7:30 p. m.—Burr Melutosh, "The Cheerful Philosopher."

8:00 p. m.—Time signal, by courtesy of New Haven Clock Co., followed by Daily News Items.



W. S. BROWN

KGFH

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General Manager

W. S. Brown
Sales Manager

Narola Conrad
Musical Director

Barrett Cosby
Technician

Glendale, Calif.—1000 Kc.

250 WATTS—299.8 METERS
Main Studio: Hotel Glendale, E. Broadway and Glendale Blvd
Douglas 3326, Los Angeles Tel. CA. 6385

4:30 p. m.—Business Announcements and Music.

5:30 p. m.—Late news and music.

5:45 p. m.—Recordings.

WEDNESDAY, DECEMBER 12

11:30 a. m.—Rev. Cole.

4:00 p. m.—Variety Program.

4:30 p. m.—Business Announcements and Music.

5:30 p. m.—Late news and music.

5:45 p. m.—Recordings.

THURSDAY, DECEMBER 13

11:30 p. m.—Parliamentary Law Club.

4:00 p. m.—Studio Program.

4:30 p. m.—Business Announcements and Music.

5:30 p. m.—Late news and music.

5:45 p. m.—Recordings.

FRIDAY, DECEMBER 14

11:30 a. m.—Dr. Juno Walton, numerologist.

4:00 p. m.—Studio Musical Program.

4:30 p. m.—Business Announcements and Music.

5:30 p. m.—Late news.

5:45 p. m.—Recordings.

SATURDAY, DECEMBER 15

11:30 a. m.—Glendale Forum; Mr. Myers, speaker.

4:00 p. m.—Perle Dresseo, violinist; Mary Slick, pianist.

4:30 p. m.—Business Announcements.

5:30 p. m.—Late news and music.

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By order of the Federal Radio Commission, KTM and KELW must share time.



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Gerree Middleton
Assistant Director

Wm. K. Sabransky
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W. K. McCreery
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Los Angeles Studio: Elks' Temple 99—Dunkirk 5154

Pickwick Broadcasting Corporation
Geo. H. Bowler, Vice-Pres. and Gen. Mgr.
Clarence B. Juneau, Chief Transmission Engineer
Harry D. Mills, Chief Structural Engineer

4:36 p. m.—Elks Mighty Organ Recital; Sully G.
10:00 p. m.—Plantation Cafe Frolic; Cass Hagan and
Orchestra, featuring Red Nichols and His Original
Five Pennies.

MONDAY, DECEMBER 10

1:00 p. m.—Peggy Price, blues; Craig Leitch, tenor;
Mabel Wilson, pianist.

3:20 p. m.—Berlitz Method Spanish Lesson.

8:30 p. m.—Meyrle Holmes, violin, and Dorothea Vogel.

9:00 p. m.—Blu-Green Gas Boys; Hale Hooper, ballads;
Loyce Whiteman, blues.

TUESDAY, DECEMBER 11

1:00 p. m.—Peggy Price, blues; Craig Leitch, tenor;
Mabel Wilson, pianist.

9:00 p. m.—Blu-Green Gas Boys; Hale Hooper, ballads;
Loyce Whiteman, blues.

WEDNESDAY, DECEMBER 12

1:00 p. m.—Peggy Price, blues; Craig Leitch, tenor;
Mabel Wilson, pianist.

3:20 p. m.—Berlitz Method Spanish Lesson.

9:00 p. m.—Blu-Green Gas Boys; Hale Hooper, ballads;
Loyce Whiteman, blues.

THURSDAY, DECEMBER 13

1:00 p. m.—Craig Leitch, tenor; Peggy Price, blues;
Mabel Wilson, pianist.

9:00 p. m.—Blu-Green Gas Boys; Hale Hooper, ballads;
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9:00 p. m.—Blu-Green Gas Boys; Hale Hooper, ballads;
Loyce Whiteman, blues.

DAILY EXCEPT SUNDAY

1:00 a. m.—Pickwick Nite Coach program.

5:00 a. m.—"Morning Chort" program; the Earlybirds
Orchestra.

8:00 a. m.—Bert's Request program.

1:00 p. m.—Studio Specialties Hour.

2:00 p. m.—Lola.

2:30 p. m.—Santa Monica Municipal Band Concert (ex-
cept Monday).

3:30 p. m.—Siesta program; Wm. Sabransky at console
of the Elks Mighty Organ.

4:00 p. m.—Merchants' Publicizing Hour.

8:00 p. m.—Liddell's Radio Sparks, playing in dining-
room of the Elks Club.

8:30 p. m.—Studio Specialties.

9:00 p. m.—Gilmore program.

8:00 p. m.—Air Theater Varieties.

11:00 p. m.—Elks Toast to Absent Brothers.

11:00 p. m.—Plantation Cafe Frolic; Cass Hagan and
Orchestra, featuring Red Nichols and his Original
Five Pennies.

SUNDAY, DECEMBER 9

7:00 midnight.—Pickwick Coach program.

8:00 a. m.—Popular Pickwick Panatope program.

9:00 a. m.—International Bible Students' Association;
Records.

10:00 a. m.—Records.

1:00 p. m.—Carol Laughner's Orchestra; Craig Leitch.

2:30 p. m.—Santa Monica Municipal Band concert.

3:30 p. m.—Meyrle Holmes Concert Trio.

KELW

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DAILY EXCEPT SUNDAY

10:00 a. m.—Audrey Evans, featuring Frank Jocelyn.

11:00 a. m.—World News and Panatope.

5:00 p. m.—California String Quartet.

5:45 p. m.—Morris-Hill Ideas.

MONDAY, DECEMBER 10

7:00 p. m.—The Troubadour Male Quartet; Ruth
Hiestand, accompanist.

TUESDAY, DECEMBER 11

7:00 p. m.—Charles King, tenor; Irmalee Campbell, so-
prano; Hollywood Harmony Quartet.

WEDNESDAY, DECEMBER 12

7:00 p. m.—Artists' Trio; Ruth Haddock, contralto.

THURSDAY, DECEMBER 13

7:00 p. m.—California String Quartet; Cliff Gunning,
tenor.

FRIDAY, DECEMBER 14

7:00 p. m.—Neapolitan Trio; Otto Ploetz, tenor.

SATURDAY, DECEMBER 15

7:00 p. m.—Magnolia Park Trio; Iris Ilr, contralto.

SUNDAY, DECEMBER 15

10:45 a. m.—First Baptist Church, Glendale.

7:15 p. m.—First Baptist Church, Glendale.

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ACME ELECTRIC AND MFG. CO. CLEVELAND OHIO.

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JIM FOUCH

KMIC Inglewood, Calif.—1120 Kc.

250 WATTS—267.7 METERS
 Chamber of Commerce Bldg., Inglewood, Calif.
Voice-over of the Air

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Little Eddie Barnes
 Studio Director and
 Program Manager
Mildred Jean
 Noon Announcer
G. B. Olmstead
 Chief Technician
NEWS BULLETIN
HOURLY

DAILY EXCEPT SUNDAY

- 8:00 a. m.—Columbia Recordings.
 9:00 a. m.—Organ Request program.
 12:00 noon—Symphony Recordings.
 1:50 p. m.—Mabel of the Air.
 3:00 p. m.—Columbia Dance Recordings.
 6:00 p. m.—Organ Recital.
 6:30 p. m.—F. B. Miller program.
MONDAY, DECEMBER 10
 6:45 p. m.—Cactus Mfg. Co.
 7:00 p. m.—City of Inglewood, presenting Louise Moody Trio.
 8:00 p. m.—Paradise Hawaiian Serenaders.
 8:30 p. m.—Sherman Hunter, tenor.
 9:00 p. m.—Al Chaudet and Blue Boys—Little Eva Barnes, blues.
TUESDAY, DECEMBER 11
 6:45 p. m.—Atty. S. S. Hahn.
 7:00 p. m.—Louise Moody, violinist; Mabel Fay, contralto.

- 7:30 p. m.—Marguerite LeGendre, concert pianist.
 8:00 p. m.—Martin Hawaiian Trio, Nellie Darcy, blues.
 9:00 p. m.—McKinley Night School Orchestra, directed by J. V. White.

WEDNESDAY, DECEMBER 12

- 6:45 p. m.—John Mand, Nervous and Mental Talks.
 7:00 p. m.—Frank and his Guitar.
 7:00 p. m.—Frank and His Guitar.
 8:00 p. m.—Clark Sisters, Harmony Duo; Eddie Beale, tenor.
 9:00 p. m.—Schubert Concert Trio; Gladys Gordon, soprano; Bob Oswald, baritone.

THURSDAY, DECEMBER 13

- 6:45 p. m.—Cactus Mfg. program.
 7:00 p. m.—Rolando Concert Trio; John Dixon, baritone.
 8:00 p. m.—Sign off for KFSG.

FRIDAY, DECEMBER 14

- 6:45 p. m.—Cactus Mfg. Co. program.
 7:00 p. m.—L. A. Police Quartette with Officer Kilgore.
 7:30 p. m.—Chas. Ross, baritone; courtesy Southern Calif. Music Co.

- 8:00 p. m.—Al Chaudet and Blue Boys; Louise H. Nash, contralto.
 9:00 p. m.—Louise Moody Concert Trio; Eva Fay, baritone; Glen Pierce, tenor.

SATURDAY, DECEMBER 15

- 6:45 p. m.—Cactus Mfg. Co. program.
 7:00 p. m.—KMIC Little Symphony Orchestra, directed by C. J. Schubert; KMIC Vocal Ensemble—Gladys Gordon, Eddie Barnes, Robt. Oswald, Mabel Fay, Mildred Jean, Glen Pierce.
 8:00 p. m.—Sign off for KFSG.
 No Sundays.



BOB SWAN

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 1417 S. Figueroa St., Los Angeles, Calif. Westmore 3001.

Walter King, Gen. Mgr.
 L. E. Tatt, Studio Mgr.
Bob Swan, Announcer
 Al Cajal, Studio Aids.
Monroe Manning
 Business Manager
Pearl Bestman
 Program Director

DAILY EXCEPT SUNDAY

- 7:00 a. m.—Panatropé.
 8:30 a. m.—Prosperity Program, with Orchestra.
 10:00 a. m.—Panatropé and Shopping News.
 3:00 p. m.—Panatropé and Shopping News.
 6:00 p. m.—Silent.
 10:00 p. m.—Jesse Stafford and his Brunswick Recording Orchestra, by remote control from the Cinderella Roof.
 12:00 midnight—Panatropé Request.
SUNDAY, DECEMBER 9
 8:00 a. m.—Breakfast program.
 9:00 a. m.—Melrose Radio Shop program.
 9:30 a. m.—Murray's Courtesy program.
 10:40 a. m.—Morgan and Fields program.
 11:00 a. m.—Courtesy program.
 12:00 noon.—Panatropé.
 9:00 p. m.—Harmony Trio and soloist.
 10:00 p. m.—Norman Johnson; Singing Sisters.
 11:00 p. m.—Dolly McDonald; Clinton Dimmick.
MONDAY, DECEMBER 10
 10:05 a. m.—Helene's Secret Period.

- 12:00 noon.—Bob Swan and Al Cajal, Diversified Hour.
 1:00 p. m.—Sammy Koran; Louis Crawford.
 2:00 p. m.—KFQZ Hawaiian Trio.
 9:00 p. m.—Purr-Pull Synopsators; Al Cajal.

TUESDAY, DECEMBER 11

- 12:00 noon.—Bob Swan and Al Cajal, Diversified Hour.
 1:00 p. m.—Bill Blaska; Dolly McDonald.
 2:00 p. m.—Louis Crawford; Eddie Grandy.
 2:30 p. m.—Dr. Moore's Talk on Health.
 2:45 p. m.—Lois Crawford.
 9:00 p. m.—Al Cajal Piano Request Hour.

WEDNESDAY, DECEMBER 12

- 10:05 a. m.—Helene's Secret Hour Period.
 12:00 noon.—Bob Swan and Al Cajal.
 1:00 p. m.—Sammy Koran; Lois Crawford.
 2:00 p. m.—KFQZ Hawaiian Trio.
 9:00 p. m.—Purr-Pull Synopsators; Al Cajal.

THURSDAY, DECEMBER 13

- 12:00 noon.—Bob Swan and Al Cajal, Diversified Hour.
 1:00 p. m.—Marie Winger; Bill Blaska.
 2:00 p. m.—Eddie Grandy; Lois Crawford.
 4:00 p. m.—Auditions.

FRIDAY, DECEMBER 14

- 10:05 p. m.—Helene's Secret Period.
 12:00 noon.—Bob Swan and Al Cajal, Diversified Hour.
 1:00 p. m.—Lois Crawford; Marshall Elston.
 2:00 p. m.—KFQZ Hawaiian Trio.
 2:30 p. m.—Dr. Moore's Health Talk.
 2:45 p. m.—KFQZ Hawaiian Trio.

SATURDAY, DECEMBER 15

- 12:00 noon.—Marie Winger, Bob Swan, Al Cajal.
 1:00 p. m.—Jack Roberts; Dolly McDonald.
 2:00 p. m.—Melody Sweethearts; Don Dorsey, Lois Crawford.

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Larry Snell
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Chas. Whilney
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H. Frank Bruck
Night Owl
Phones:
Westmore 7777
Westmore 7778

DAILY EXCEPT SUNDAY

- 12:00 p. m.—Nite Owl program.
7:00 a. m.—Breakfast program; Dave Ward, the Office Boy.
8:30 a. m.—Gordon Smith's Radiotising Service; Albert Keglovich, violin; Blanche Cooper, pianist.
9:30 a. m.—Adele Millar Beauty talk.
10:00 a. m.—Airline Radio service.
12:00 noon—Your Favorite Request hour.
1:00 p. m.—Studio program.
6:00 p. m.—Dick Moder and His Bandoliers.
8:00 p. m.—Gordon Smith's Radiotising service.
8:00 p. m.—Rae and Esther, blues.
8:30 p. m.—Maurice Monge and his El Patio Orchestra, by remote control from El Patio Ballroom.
10:30 p. m.—Studio program.

SUNDAY, DECEMBER 9

- 12:00 p. m.—Nite Owl program.
7:00 a. m.—John Wright program; KMTR rebroadcast.
10:00 a. m.—Southlanders Orchestra; Charlie Cole, tenor.
12:00 noon—Hotel Alexandria Concert Trio; Rocky Bernard, baritone.
1:30 p. m.—Honolulu Three Hawaiian Trio; Laurita Nance, blues.
3:30 p. m.—Sunday Afternoon Frolic; Nat Winecoff, baritone; Rae Silverman and Esther, blues.
6:00 p. m.—Studio program.
9:00 p. m.—Recordings.

- MONDAY, DECEMBER 10**
11:00 a. m.—Rocky Bernard, baritone; Paul McNally; Margaret Hart, pianist.
12:00 noon—Rae Silverman, blues singer; Esther Kahn, pianist.
1:00 p. m.—Operatic recordings.
3:00 p. m.—Bureau of Public Safety; L. A. Police Quartet.
7:00 p. m.—Albert Keglovich, violinist; Blanche Cooper.
10:30 p. m.—Honolulu Three Hawaiian Trio; Mary Mitchell, soprano; Earl Snyder, baritone; Gene Perry, uke.

TUESDAY, DECEMBER 11

- 11:00 a. m.—Rocky Bernard, baritone; Paul McNally; Margaret Hart, pianist.
12:00 noon—Rae Silverman, blues singer; Esther Kahn.
7:00 p. m.—Albert Keglovich, violinist; Blanche Cooper, pianist; Charlie Davis, uke.
10:30 p. m.—Honolulu Three Hawaiian Trio; Dorothy Green, blues; Ernie West, banjo.

WEDNESDAY, DECEMBER 12

- 11:00 a. m.—Rocky Bernard, baritone; Paul McNally; Margaret Hart, pianist.
12:00 noon—Rae Silverman, blues singer; Esther Kahn.
7:00 p. m.—Albert Keglovich, violinist; Blanche Cooper and Mildred Brotzman, blues.

THURSDAY, DECEMBER 13

- 11:00 a. m.—Rocky Bernard, baritone; Margaret Hart.
12:00 noon—Rae Silverman, blues singer; Esther Kahn.
7:00 p. m.—Albert Keglovich, violinist; Blanche Cooper.
10:30 p. m.—Honolulu Three Hawaiian Trio; Gertrude Goldberg, soprano; Nat Winecoff, baritone.

FRIDAY, DECEMBER 14

- 11:00 a. m.—Rocky Bernard, baritone; Margaret Hart.
12:00 noon—Rae Silverman, blues singer; Esther Kahn.
7:00 p. m.—Albert Keglovich, violinist; Blanche Cooper.
10:30 p. m.—Honolulu Three Hawaiian Trio; Dorothy Green, blues; Gene Perry, uke.

SATURDAY, DECEMBER 15

- 11:00 a. m.—Paul McNally, baritone; Margaret Hart.
12:00 noon—Rae Silverman, blues singer; Esther Kahn, pianist; Charlie Davis, uke.
10:30 p. m.—Honolulu Three Hawaiian Trio;

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DAILY EXCEPT SUNDAY

- 12:00 p. m.—Merchants Air Service.
6:00 p. m.—Merchants Air Service.
6:45 p. m.—News, markets, weather reports.
7:30 p. m.—Kilpatrick's After Dinner Musical.
8:00 p. m.—L & W Service Corp.; Harvey Brubaker.
8:30 p. m.—Borson's Ready-to-Wear.
8:45 p. m.—The Big Stores, recordings.

SUNDAY, DECEMBER 9

- 9:00 a. m.—First Christian Church, Rev. Hatalet.
5:00 p. m.—First M. E. Church, Rev. Reynolds

MONDAY, DECEMBER 10

- 7:00 p. m.—Children's program.
7:45 p. m.—Ontario Shade and Linolem Co.; Nell North, tenor.
8:15 p. m.—Gas House Rounders,

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Phone 1147

249.9 METERS—100 WATTS

Elsberry Reynolds Studebaker Bldg.

- 8:30 p. m.—De Luxe Market; Gas House Rounders.
8:45 p. m.—Studio program, variety.

TUESDAY, DECEMBER 11

- 7:00 p. m.—KFWC Playlet.
7:45 p. m.—Studio program.
8:15 p. m.—Braundale Acres.
8:30 p. m.—De Luxe Market.
8:45 p. m.—Studio program, requests.

WEDNESDAY, DECEMBER 12

Silent Night.

THURSDAY, DECEMBER 13

- 7:00 p. m.—Mrs. Ellsworth, concert pianist.
7:15 p. m.—A. V. Storer, Merchants Credit Assn.
7:45 p. m.—Ontario Shade and Linolem Co.; Nell North, tenor.
8:15 p. m.—Braundale Acres, recordings.
8:30 p. m.—De Luxe Market; the Gen Boys.
8:45 p. m.—Studio program, requests.

FRIDAY, DECEMBER 14

- 7:00 p. m.—Studio program.
7:45 p. m.—Ralph Nye, tenor.
8:15 p. m.—Studio program, popular requests.
8:30 p. m.—De Luxe Market.
8:45 p. m.—Studio program.

SATURDAY, DECEMBER 15

- 7:00 p. m.—Studio program.
8:15 p. m.—Braundale Acres.
8:30 p. m.—De Luxe Market.
8:45 p. m.—Studio program.

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Announcer

DAILY EXCEPT SUNDAY

- 9:00 a. m.—Tadpole Jones, the Buttercream Boy.
9:15 a. m.—Egyptian Theatre Organ; Dick Dixon at Console.
9:45 a. m.—Prizma Hour.
10:00 a. m.—Hawaiian program.
10:10 a. m.—Salon music.
10:30 a. m.—Popular Dance program.
11:20 a. m.—"Clarence," courtesy Harris Furs.
11:30 a. m.—Press-Telegram News, Frank P. Goss.
11:50 a. m.—Varied and musical program.
12:00 noon.—Egyptian Theatre Organ; Dick Dixon.
4:00 p. m.—Press-Telegram News, Frank P. Goss.
5:30 p. m.—Hancock Oil Co. Orchestra and entertainment (every day).
5:00 p. m.—Egyptian Theatre Organ; Dick Dixon.
6:00 p. m.—Lost and Found Dept.
6:05 p. m.—Hancock Oil Co. Orchestra and entertainers (every day).

SUNDAY, DECEMBER 9

- 8:30 a. m.—Organ recital from Studio.
10:30 a. m.—Musical program.
11:00 a. m.—St. Luke's Episcopal Church, Rev. Austin.
12:30 p. m.—Musical program for Dirkel Music Co.
1:30 p. m.—Organ recital from Pacific Coast Club; Herbert Nixon at the console.
2:30 p. m.—Long Beach Municipal Band concert.
4:00 p. m.—New Masonic Temple organ; Dick Dixon.
5:00 p. m.—Hancock Oil Co. Orchestra.
6:00 p. m.—Radio Church of the Air.
7:00 p. m.—Bear Cafe Orchestra.



EDMUND LYTTON

DAILY EXCEPT SUNDAY

- 7:00 a. m.—Red Seal Artists.
8:00 a. m.—Margaret's Hour.
MONDAY, DECEMBER 10
2:00 p. m.—Variety matinee, featuring Edward Jardon, Lucy Day, Tudor Williams and Mildred Ware, KEJK Concert Orchestra and Trio.
3:40 p. m.—Dr. Lowell Frost, "Boys' Problems."
9:00 p. m.—Studio program, featuring KEJK exclusive entertainers and concert orchestra.
12:00 midnight.—Request record program.
TUESDAY, DECEMBER 11
2:00 p. m.—Variety matinee, Joseph Barrett, saxophone solo; Marshall Chashoudian, violinist, and KEJK soloists.
9:00 p. m.—Historical story on Finance, musically il-

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- WEDNESDAY, DECEMBER 12**
2:00 p. m.—Variety matinee, Lucy Day, soprano; Mildred Ware, contralto; Edward Jardon, tenor; Tudor Williams, baritone, and concert orchestra.
9:00 p. m.—Studio Concert, featuring exclusive KEJK Entertainers, Concert Orchestra and Trio.
THURSDAY, DECEMBER 13
2:00 p. m.—Variety matinee, Lucy Day, soprano; Mildred Ware, contralto; Edward Jardon, tenor; Tudor Williams, baritone, and Concert Orchestra.
9:00 p. m.—Studio concert, featuring exclusive KEJK Entertainers, Concert Orchestra and Trio.
12:00 midnight.—Record request program.
FRIDAY, DECEMBER 14
2:00 p. m.—Variety matinee, Lucy Day, soprano; Mildred Ware, contralto; Edward Jardon, tenor; Tudor Williams, baritone, and Concert Orchestra.
9:00 p. m.—"When Lights Are Low," a musically illustrated short story by Jean Campbell Macmillan.
10:00 p. m.—More-Mileage Dance Orchestra.
SATURDAY, DECEMBER 15
2:00 p. m.—Variety matinee, Mildred Ware, contralto; Tudor Williams, baritone; Lucy Day, soprano and Edward Jardon, tenor, with KEJK Concert Orchestra (furnishing musical background).
9:00 p. m.—Studio concert, featuring exclusive KEJK Entertainers, Concert Orchestra and Trio.

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Technician

DAILY EXCEPT SUNDAY

- 8:30 a. m.—Devotional period, Rev. Johnston Calhoun
8:45 a. m.—Staff artist.
9:00 a. m.—Daily Calendar and announcements.
9:15 a. m.—Morning Frolic.
10:15 a. m.—How to be beautiful.
10:30 a. m.—Concert trio.
11:00 a. m.—Imperial Theater Organ (ex. Thurs.).
11:30 a. m.—Music.
12:00 a. m.—Your favorite popular number.
2:30 p. m.—Long Beach Municipal Band (ex. Mon.).
5:00 p. m.—Children's program.
5:30 p. m.—Health program (ex. Tues., Thurs., Sat.).
10:30 p. m.—Majestic Ballroom Orchestra.
11:00 p. m.—Dobyns Shoestrings.
- SUNDAY, DECEMBER 9**
9:30 a. m.—Taubman Men's Bible Class.
11:00 a. m.—First United Presbyterian Church Services.
2:00 p. m.—Music Dept. of City Schools.
2:30 p. m.—Long Beach Municipal Band Concert.
4:00 p. m.—Boys' Glee Club.
5:00 p. m.—Things Worthwhile, Frank Waller Allen.
5:15 p. m.—Concert trio.
6:00 p. m.—Popular program.
7:00 p. m.—Hawaiian Trio.
8:00 p. m.—Concert Trio.
9:00 p. m.—Sunday Night Frolic.

MONDAY, DECEMBER 10

- 1:00 p. m.—Exchange Club from the Hotel Virginia.
1:30 p. m.—Dobyns Shoestrings.
2:30 p. m.—Laiana Siring Trio.
4:00 p. m.—Child Psychology, Gladys Sanger Heyman.
6:00 p. m.—Shell Orchestra.
7:00 p. m.—Better English period.
7:15 p. m.—Diamond Hawaiian Trio.
8:15 p. m.—Woman's Music Club.
9:00 p. m.—Marian Sevier, whistler.

TUESDAY, DECEMBER 11

- 1:00 p. m.—Dobyns Shoestrings.
2:00 p. m.—Cortland Gilmore Saxophone Conservatory.
6:00 p. m.—Dick Love's Tavern Club Orch.
7:00 p. m.—Book Reviews period.
9:00 p. m.—Poly High School program.

WEDNESDAY, DECEMBER 12

- 1:00 p. m.—Hawaiian Trio.
4:00 p. m.—Home Economics, Mary Moore Monroe.
6:00 p. m.—Jolly Jesters Orchestra.
9:00 p. m.—Masque and Sandal Players.

THURSDAY, DECEMBER 13

- 1:00 p. m.—Optomist Club from the Hotel Virginia.
1:30 p. m.—Voice Clinic.
6:00 p. m.—Sunset Hawaiian Trio.
9:00 p. m.—Miss Bernice Beal, violin.
9:30 p. m.—Eldorado Ladies Trio.

FRIDAY, DECEMBER 14

- 1:00 p. m.—Trio.
2:00 p. m.—School Program.
6:00 p. m.—Dick Love's Tavern Club Orch.
7:00 p. m.—Political Situation.

SATURDAY, DECEMBER 15

- 11:40 a. m.—Nature Study period.
12:00 noon.—Your Favorite popular number.
2:30 p. m.—Long Beach Municipal Band Concert.
4:00 p. m.—Dobyns Shoestrings.
6:00 p. m.—Dance Orchestra.
7:00 p. m.—Church announcements and program.
7:30 p. m.—Long Beach Municipal Band Concert.

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TOM SEXTON
General Manager

GENE MERRITT
Chief Technician

7:30 p. m.—Bernis Belding McClintock, violinist; Agnes Shay, soprano.
8:00 p. m.—Feature program.
9:00 p. m.—Imperial Syncopators; Cota McClum, contralto.
10:00 p. m.—Jimmie Kerr's Orchestra.
11:00 p. m.—Plata Real Orchestra.

WEDNESDAY, DECEMBER 12

3:15 p. m.—Spreckels Outdoor Organ.
6:15 p. m.—Bob Larsen's Orchestra.
7:00 p. m.—Charles Gurley, Reiter Business Bureau.
7:05 p. m.—Velma Robinson, Marguerite Smith.
7:30 p. m.—Theological University concert.
8:30 p. m.—Studio program.
9:30 p. m.—Sunshine Hawaiian Quartette; Ted Naman, baritone.
10:00 p. m.—Hotel Del Coronado Casino Orchestra.
11:00 p. m.—Plata Real Orchestra.

THURSDAY, DECEMBER 13

3:15 p. m.—Balboa Park Organ.
6:15 p. m.—Plata Real Orchestra.
7:00 p. m.—San Diego Police Dept. program; traffic regulations, Sgt. Mike Nerly.
8:00 p. m.—Unitarian Church hour.
9:00 p. m.—Cramer's Baking hour.
10:00 p. m.—Jimmie Kerr's Casino Orchestra.
11:00 p. m.—Bob Larsen's Plata Real Orchestra.

FRIDAY, DECEMBER 14

3:15 p. m.—Spreckels Outdoor Organ.
6:15 p. m.—Dinner program.
7:00 p. m.—Thearle Music Co. hour.
8:00 p. m.—Motor Hdw. & Equip. Old Time hour.
Bosworth & Carr, Raymond Powell.
9:00 p. m.—Feature program.
10:00 p. m.—Hotel Del Coronado Casino Orchestra.
11:00 p. m.—Plata Real Orchestra.

SATURDAY, DECEMBER 15

3:15 p. m.—Organ Recital, Balboa Park.
6:15 p. m.—San Diego Union and Tribune program.
7:00 p. m.—Children's Variety hour.
8:00 p. m.—Studio program.
9:00 p. m.—Aloha Boys, Velma Pritchard.
10:00 p. m.—Jimmie Kerr's Casino Orchestra.
11:00 p. m.—Bob Larsen's Orchestra.

DAILY EXCEPT SUNDAY

9:00 a. m.—Morning Musical, H. T. Peterson.
10:00 a. m.—Amy-Lou Shopping Hour.
11:00 a. m.—Service Hour.
12:00 noon.—Time Signals.
12:01 p. m.—Peck's Service Hour.
12:30 p. m.—Pastages Organ Recital.
3:15 p. m.—Organ Recital.
4:45 p. m.—Musical Review.
6:00 p. m.—Time Signals.
6:02 p. m.—San Diego Union and Tribune news items.
7:00 p. m.—U. S. Government weather report.
9:00 p. m.—Time Signals.

SUNDAY, DECEMBER 9

11:00 a. m.—Music Box Review.
2:00 p. m.—Services, International Bible Students.
3:00 p. m.—Services, Theological Society.
4:00 p. m.—Spreckels Outdoor Organ, Balboa Park.
8:30 p. m.—Button's Hotel Del Coronado Concert Quartette.

MONDAY, DECEMBER 10

6:15 p. m.—Dinner program.
7:00 p. m.—Thearle Music Hour.
8:00 p. m.—Studio program.
9:00 p. m.—American Legion Roundup, featuring the official American Legion Quartette and Pastages headliners.

11:00 p. m.—Plata Real Orchestra.

TUESDAY, DECEMBER 11

3:15 p. m.—Organ Recital, Balboa Park.
6:15 p. m.—Bob Larsen's Orchestra.
7:00 p. m.—George Ballentine, Dorothy Zimbleman.



G. F. CARR

KFVD

Culver City, Calif.—700 Kc.

250 WATTS—428.3 METERS
The Official Station of the Radio Distributing Company
Operated by the Culver City Broadcast Company

N. H. Marshall
Commercial Manager

G. F. Carr
Studio Manager

Marvin Adams
Chief Technician

Chief Caters
Program Director

11:00 a. m.—Organ Music.
12:00 noon.—Soloists.
1:00 p. m.—String Ensemble.
2:00 p. m.—Amedeo Reno, violinist.
3:00 p. m.—Andy Lawless, Cliff Wright.
4:00 p. m.—Irene Wynn, Louise Homer.

MONDAY, DECEMBER 10

10:00 a. m.—Home Economics.
10:45 a. m.—Talk on latest books.
12:30 p. m.—Male Quartette.
1:00 p. m.—Studio Program.

TUESDAY, DECEMBER 11

3:00 p. m.—String Ensemble

WEDNESDAY, DECEMBER 12

3:00 p. m.—String Quartette.
10:00 p. m.—One-act Play.
11:00 p. m.—Studio Program.

THURSDAY, DECEMBER 13

10:00 a. m.—Home Economics.
10:45 p. m.—Talk on latest books.
12:30 p. m.—Male Quartette.
1:00 p. m.—Studio Program.

FRIDAY, DECEMBER 14

3:00 p. m.—String Quartette

SATURDAY, DECEMBER 15

10:00 p. m.—Pop-eyed Club

DAILY EXCEPT SUNDAY

7:00 a. m.—Breakfast Frolic.
8:30 a. m.—Health Talk and Exercise.
9:30 a. m.—Latest Recordings.
10:00 a. m.—Studio program (except Wednesday).
10:30 a. m.—Announcements (ex. Monday).
11:00 a. m.—Organ Music.
12:00 noon.—Studio Program (ex. Mon. and Thurs.).
4:00 p. m.—Organ Recital.
10:00 p. m.—Studio Program (ex. Wednesday).
12:00 p. m.—Dance Band.

SUNDAY, DECEMBER 9

10:00 a. m.—Church Services.

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H. A. DEMAREST, President

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Los Angeles, Calif.

WHOLESALE

Largest Radio Parts' Jobber West of Chicago

Manufactured by The Radio Products Company, Dayton, O.

E. T. Flewelling, President

The essential features of these programs are identical with those sent by the stations.



CURTIS PECK

KPO San Francisco, Calif.—710 Kc.

1000 WATTS—422.3 METERS
HALE BROTHERS AND THE CHRONICLE
"The Voice of San Francisco"

Phone Kearney 704

J. W. Laughlin
Managing Director
Mrs. Frederick Grows
Program Director
Curtis Peck
Technical Director

DAILY EXCEPT SUNDAY

- 6:45 a. m.—S. & W. Health Exercises, with Hugh Dobbs.
8:30 a. m.—The Shell Happy Time.
9:30 a. m.—Dobbie's Daily Chat.
11:30 a. m.—Ye Town Cryer (except Thursday).
12:00 noon.—Time signals, scripture reading, etc., (except Saturday).
12:00 noon.—Lillian R. (except Saturday).
1:00 p. m.—Jerry Jermaine, for Hale Bros. (except Wednesday, Thursday and Friday at 1:30).
2:30 p. m.—House of Dreams (ex. Mon. and Sat.)
4:30 p. m.—Ye Town Cryer Service (ex. Tues.).
5:00 p. m.—Children's Hour.
6:00 p. m.—Reo League with music.
10:00 a. m.—Art Talk by Helen Gordon Barker, "Ceramic Art."
7:00 p. m.—KPO Trio and Kevin Ahearn, tenor.
8:00 p. m.—N. B. C. program.
9:00 p. m.—N. B. C. program.
9:30 p. m.—KPO's Variety Hour, featuring KPO's popular entertainers.

SUNDAY, DECEMBER 9

- 9:45 a. m.—Interdenominational and Nonsectarian Church services.
1:30 p. m.—N. B. C.
3:00 p. m.—N. B. C.
5:00 p. m.—"By Candlelight," Uda Waldrop, organist; Thorstein Jensen, violinist; Myrnard Jones, basso.
6:30 p. m.—KPO Symphony Orchestra.
7:30 p. m.—Embassy Theatre Vocal Ensemble.
8:30 p. m.—Rudy Selger and his Fairmont Hotel Concert Orchestra.

MONDAY, DECEMBER 10

- 10:00 a. m.—Art Talk by Helen Gordon Barker.
7:00 p. m.—KPO Trio and Kevin Ahearn, tenor.
8:00 p. m.—N. B. C. program.
9:00 p. m.—N. B. C. program.
9:30 p. m.—KPO's Variety Hour, featuring KPO's popular entertainers.

*See Page 76 for detailed program of National Broadcasting Company.



HAROLD MATHEWS

DAILY EXCEPT SUNDAY

- 5:00 p. m.—Dinner Hour.
6:00 p. m.—Studio program (except Tues. and Fri.).

MONDAY, DECEMBER 10

- 6:30 p. m.—Garden Grove Free Methodist Choir.
7:00 p. m.—Popular hour.
8:00 p. m.—Chandler's Music Store DeLuxe Trio, assisted by Thelma Stovall, soprano, and Al Ford, baritone.
9:00 p. m.—Request Hour, presented by Edna Burge Palne, featuring The Delgado Spanish Entertainers, with Edward Delgado, baritone.

KWTC Santa Ana, Calif.—1500 Kc.

Studio at 1101 North Ross St., Santa Ana, California.

"The Garden of Eden Station"

"Kum West to California"

199.9 METERS—100 WATTS
WESTERN ELECTRIC INSTALLATION

TUESDAY, DECEMBER 11

- 6:00 p. m.—Greenleaf Motor Musicale.
6:30 p. m.—"Smiling" Eddie Marble's hour of requests.

WEDNESDAY, DECEMBER 12

- 6:30 p. m.—Allen and Lorene, piano and song.
7:00 p. m.—Program arranged by Carolyn Haughton.
7:30 p. m.—Ruby Paul, contralto; Norma Forman, pianist.
8:00 p. m.—KWTC Silvertone Male Quartette.
9:00 p. m.—Al Jasper, violin; The Haskin Twins; Don Moyla with Surprise captures.

THURSDAY, DECEMBER 13

- 7:00 p. m.—Santa Ana Musical Travelogue, presented by Edna Burge Palne, assisted by The Sundown Hawaiian Trio.

FRIDAY, DECEMBER 14

- 6:30 p. m.—"Smiling" Eddie Marble's request hour.
7:30 p. m.—Charmanis.
8:00 p. m.—Jack and Ray's Music Box hour.
9:00 p. m.—The Sunshine Trio: Kenneth Workman, tenor; Harriet Morris, contralto; Arthur Jaques, pianist.

SATURDAY, DECEMBER 15

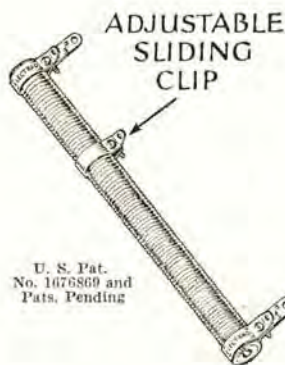
- 6:00 p. m.—Juvenile Hour with The Dreamland Lady.

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VA. 6063

Los Angeles, Calif.

WHOLESALE

Largest Radio Parts Jobber West of Chicago

The essential features of these programs are identical with those sent by the stations.



HOWARD MILHOLLAND

KGO Oakland, California—790 Kc.

5000 WATTS—379.5 METERS
PACIFIC COAST STATION, GENERAL ELECTRIC CO.
Phone Fruitvale 8989
557 Hotel St. Franel

DAILY EXCEPT SUNDAY

9:30 a. m.—California Home Life.
11:30 a. m.—Rembrandt Trio (except Wednesday and Thursday).
12:00 noon—Luncheon Concert.
12:00 noon, 6:00 p. m. and 10:00 p. m.—Telechone Times.
12:30 and 1:00 p. m.—Stock and weather reports.
4:00 p. m.—Hotel St. Francis Dance Orchestra (except Monday).
5:30 p. m.—San Francisco and New York Stocks (except Wednesday and Saturday).
8:00 p. m.—Sessions Westminster Chimes.
9:00 p. m.—Time signals.

11:30 a. m.—Thin Hand Cream program.

11:45 a. m.—Rembrandt Trio.

5:00 p. m.—Dr. Albertine Richards Nash.

5:15 p. m.—Weekly Financial Review, T. MacMahon.

6:00 p. m.—Rembrandt Trio and Reba Swan.

6:30 p. m.—Poetry and music.

7:00 p. m.—Agricultural program.

7:30 p. m.—Remar program.

9:00 p. m.—NBC.*

THURSDAY, DECEMBER 11

11:30 a. m.—NBC.*

12:00 noon.—Rembrandt Trio.

5:00 p. m.—Tom King detective stories.

6:00 p. m.—NBC.*

7:30 p. m.—NBC.*

9:30 p. m.—Marwell House program.

FRIDAY, DECEMBER 11

10:30 a. m.—NBC.*

11:30 a. m.—Elnor Martin, "Home Economics."

11:50 a. m.—Rembrandt Trio.

5:30 p. m.—NBC.*

7:00 p. m.—Los Caballeros Orchestra (Los Angeles).

8:00 p. m.—RCA Hour.

9:00 p. m.—Mystery serial "The Tocsin of Tamhou"

9:30 p. m.—NBC.*

10:00 p. m.—Western Artist Series concert.

11:30 p. m.—NBC.*

SATURDAY, DECEMBER 11

5:00 p. m.—Jack Martin's Hawaiians.

6:00 p. m.—NBC.*

SUNDAY, DECEMBER 9

11:00 a. m.—First Methodist Episcopal Church.

1:30 p. m.—NBC.*

6:30 p. m.—Hotel St. Francis Concert Orchestra.

7:30 p. m.—NBC.*

8:00 p. m.—First Methodist Episcopal Church.

9:00 p. m.—NBC.*

MONDAY, DECEMBER 10

3:30 p. m.—"Everyday Living," Christina S. Mathison.

5:00 p. m.—Aunt Betty stories.

6:00 p. m.—Popular program.

6:30 p. m.—NBC.*

7:30 p. m.—KGO's Salon Ensemble.

8:00 p. m.—NBC.*

9:00 p. m.—Slumber Hour.

9:30 p. m.—General Electric program.

10:30 p. m.—Alaskan News Flashes, United Press.

TUESDAY, DECEMBER 11

10:30 a. m.—NBC.*

12:00 noon.—Rembrandt Trio.

5:00 p. m.—"What's Happening in the World."

6:00 p. m.—Dinner concert.

6:30 p. m.—The Strolling Troubadour.

7:00 p. m.—Musical miniatures.

7:30 p. m.—NBC.*

9:00 p. m.—"The Pilgrims."

WEDNESDAY, DECEMBER 12

10:30 a. m.—NBC.*

*See Page 76 for detailed program of National Broadcasting Company.

OFFICIAL

STERLING SERVICE ELKON SERVICE

D. C. Sets Made All A. C. Using
STERLING TRI-POWER

Service on all Types of Battery Eliminators and A.C. Sets. Courtesy to Dealers
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H. A. DEMAREST, President
Vandike 6063
WHOLESALE

Los Angeles, Calif.

Largest Radio Parts Jobbers West of Chicago

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IDEAL BALL AERIALS



The many superior features of this wonder aerial have placed it in a class by itself. Under the most adverse conditions it is capable of bringing in distant stations with the utmost clarity, cutting down static to a minimum and greatly increasing the selectivity of your set.

IDEAL BALL AERIALS are well constructed—of pure copper, highly nickel and silver plated and polished. This protects against rust and corrosion.

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H. A. DEMAREST, President
VA. 6063
WHOLESALE

Los Angeles, Calif.

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"MAC"

KFRC San Francisco, Calif.—610 Kc.

Owned and Operated by Don Lee, Cal. Dist. for Cadillac & LaSalle
1000 WATTS—491.5 METERS
1000 Van Ness. Telephone Prospect 180
"Keep Forever Radiating Cheer"

Harrison Holloway
Manager
Helen O'Neil
Program Director
Frank Moss
Musical Director
Alan N. Cormack
Engineer

4:15 p. m.—Talk by physician from University of California Medical Dept., directed by Dr. H. M. F. Behnenman.
4:30 p. m.—Something About Everything.
4:45 p. m.—S. F. Call news bulletins and lost and found.
7:00 p. m.—Art Hickman's Orchestra.
7:30 p. m.—Myrohl Mirthful Melody,
8:00 p. m.—"Blue Monday Jamboree,"

DAILY EXCEPT SUNDAY
7:00 a. m.—Slumpy Fitter, courtesy Airflex Mattress Mfrs.
8:00 a. m.—Musical records program (ex. Mon., Thur.)
9:00 a. m.—Georgia O. George (except Saturday).
10:00 a. m.—Wyn's Daily Chat (ex. Tues.).
11:50 a. m.—Amateur Tryouts (except Saturday).
12:00 noon—Sherman Clay concert.
1:00 p. m.—San Francisco Symphony Orch. recordings (except Monday and Tuesday).
2:00 p. m.—Matinee Concert, courtesy of Pacific Radio Trades (except Saturday).
3:00 p. m.—Matinee Orch. Concert (ex. Thurs., Fri.).
4:30 p. m.—Something About Everything.
4:45 p. m.—San Francisco Call, news items.
5:00 p. m.—Mac and his Gang.
5:50 p. m.—Town Topics.
6:30 p. m.—Theodore Strong Organ Recital.
6:50 p. m.—Embassy Theatre prog. (ex. Tues., Fri.).
10:00 p. m.—Amos 'n' Andy (ex. Wed.).
10:10 p. m.—Dance music.

SUNDAY, DECEMBER 9
9:00 a. m.—KFRC Radio Fellowship Church.
10:00 a. m.—"Home, Sweet Home" concert.
12:00 noon—Paulist Fathers' Old St. Mary's Church
1:15 p. m.—The Sunday Recital.
2:00 p. m.—Schubert's Symphony No. 7 is played by the London Symphony Orchestra.
3:00 p. m.—Rachmaninoff Symphony No. 2, by Cleveland Orchestra.
4:00 p. m.—Red Neisler and Art Fadden.
4:30 p. m.—"Tea Time Three."
6:00 p. m.—Majestic Theater of the Air, featuring Moran and Mack, "The Two Black Crows."
7:00 p. m.—Charles Bulloff, tenor, and others.
8:00 p. m.—"Pop" Concert, with Bob and his zither
9:30 p. m.—Tom Gerunovich and his Roof Garden Orch.
10:00 p. m.—Amos 'n' Andy.
10:10 p. m.—Tom Gerunovich and his Roof Garden Orchestra.
11:10 p. m.—Studio program.

MONDAY, DECEMBER 10
3:00 p. m.—Matinee Concert Orchestra.
4:00 p. m.—"Careers for Women," direction of Matilda Rosenfeld.

TUESDAY, DECEMBER 11

11:00 a. m.—Child diet.
4:00 p. m.—"Careers for Women."
4:15 p. m.—Western Air Express Aviation talk.
4:30 p. m.—Something About Everything.
6:30 p. m.—"Bobs," noted sports authority.
7:00 p. m.—Maytag Quartet and Art Fadden.
7:30 p. m.—Cecilians.
8:00 p. m.—Haas Candy Stores' "Sweetheart Hour."
8:30 p. m.—Art Hickman's Orchestra.
9:00 p. m.—KFRC Concert Orchestra.

WEDNESDAY, DECEMBER 12

4:00 p. m.—Educational Period.
4:20 p. m.—Fan Fare, by Fred Johnson of the Call.
7:00 p. m.—Art Hickman's Orchestra.
7:30 p. m.—West Portal Merchants Ass'n program.
8:00 p. m.—Frank Moss piano recital.
8:30 p. m.—Cecilians.
9:00 p. m.—Arizona, Land of Romance.

THURSDAY, DECEMBER 13

4:00 p. m.—"The Observer," about new books and current topics.
4:30 p. m.—Something About Everything.
7:00 p. m.—Art Hickman's Orchestra.
7:30 p. m.—Myrohl Mirth and Melody.
8:00 p. m.—Concert program featuring Bob Klier and his zither, and Harry McKnight.
9:00 p. m.—"Tea Time Three."

FRIDAY, DECEMBER 14

11:00 a. m.—"Hints to Home Makers," by Aunt Martha.
1:30 p. m.—Matinee Concert Orchestra.
4:30 p. m.—Garden talk by F. W. Davis.
6:30 p. m.—Pat Frayne, sports editor of the Call.
7:00 p. m.—Hot 'n' Kold Shops program
7:30 p. m.—Cecilians.
8:00 p. m.—"Great Ladies."
8:30 p. m.—Shasta Foursome and the Sparklers.
9:00 p. m.—Cadillac-La Salle Orchestra.

SATURDAY, DECEMBER 15

8:00 a. m.—Studio program.
8:30 a. m.—Bear Photo Service program.
10:00 a. m.—Studio program.
7:00 p. m.—Art Weldner's Orchestra and Glen Hod.
7:30 p. m.—Studio program.
8:00 p. m.—KFRC Concert Orchestra.
9:00 p. m.—Hotel Mark Hopkins Orchestra.

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Condensors and Resistors that are built
—To Endure.

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Now you can place your Radio Speaker on one side of the room and the Set on the other; or to any room in the house, with the New Birnbach Moisture-Proof Extension Cord. Attaches instantly to the cord on your Speaker. It pays to replace old extension cords with the New Birnbach Moisture-Proof Extension Cord and put an end to distortion caused by poorly insulated cords. Your dealer has these sizes in stock: 10-20-30-40-50 and 100-Foot Lengths.

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Los Angeles, Calif.

WHOLESALE

Largest Radio Parts Jobber West of Chicago

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MEL LE MON

KTAB

Oakland, Calif.—550 Kc.

500 WATTS—545.1 METERS
Knowledge, Truth and Beauty

Official Pickwick Stages Station
Owned and Operated by the Pickwick Broadcasting Corp.

MEL LE MON, Manager
ADA MORGAN O'BRIEN, Program Director

IRVING KRICK, Announcer
Pickwick Terminal Hotel, Fifth and Mission Sts.
Telephone Merritt 0246

DAILY EXCEPT SUNDAY

7:00 a. m.—Setting-up Exercises.
8:00 a. m.—Popular Recordings.
9:00 a. m.—Hour of Prayer.
9:40 a. m.—Recordings (except Tuesday).
10:00 a. m.—Restful Hour with B. B.
11:00 a. m.—Variety Recordings.

12:00 noon.—Recordings (except Monday and Wednesday)
12:30 p. m.—Organ Recital, Ests Marvin Pomeros.
2:00 p. m.—Puss Donahoo's Joy Hour.
2:30 p. m.—Recordings.
3:30 p. m.—Studio matinee.
4:00 p. m.—Matinee (except Saturday).
4:30 p. m.—Tea Hour, Elysian Trio (Official Pickwick)
5:30 p. m.—Recordings.
6:30 p. m.—Twilight Hour.
7:00 p. m.—Dinner Concert.
8:00 p. m.—Colonial Mystery Hour.
11:00 p. m.—Dance music (except Thursday and Friday)
12:00 midnight.—The Night Owl.

SUNDAY, DECEMBER 9

11:00 a. m.—Tenth Avenue Baptist Church, Dr. Geo. W. Phillips.
1:00 p. m.—Coloured concert hour.
2:30 p. m.—Sapphire Concert Trio.
3:00 p. m.—Chuck Thode, piano recital.
3:30 p. m.—Organ recital.
4:00 p. m.—Symphony recordings.
5:00 p. m.—Concert hour.
6:00 p. m.—Majestic Radio hour over the "Columbia Chain."
7:00 p. m.—States Restaurant Dinner Concert half hour, Waldemar Lind, director.
7:00 p. m.—Tenth Avenue Baptist Church, Rev. Geo. W. Phillips.
10:00 p. m.—Piano recital, Chuck Thode.

MONDAY, DECEMBER 10

8:00 p. m.—Jack Spaulding, football expert.
9:10 p. m.—Elysian Trio—Soloist, Mme. Lydia Sturde.
10:10 p. m.—Varsity Screamers, Swede Lindquist, tenor.

TUESDAY, DECEMBER 11

9:30 a. m.—Dr. J. Douglas Thompson on "Eating Your Way to Health."
10:30 a. m.—Betina Angelo—Talk on House Decoration.
7:00 p. m.—States Restaurant, direction of Waldemar Lind.
8:00 p. m.—Colonial hour.
9:00 p. m.—"Light" program—Pickwick Pals.
9:30 p. m.—A Cappella Choir from College of the Pacific, Stockton, under direction of Chas. Dennis.

WEDNESDAY, DECEMBER 12

3:30 p. m.—Studio matinee.
9:00 p. m.—Harry L. Todd, Postmaster, on "Evolution of the Post Office."
9:20 p. m.—Band concert.

THURSDAY, DECEMBER 13

9:00 p. m.—Crocant Club.
FRIDAY, DECEMBER 14
9:00 p. m.—"Eight" program.
9:30 p. m.—Studio matinee.
10:00 p. m.—Varsity Screamers, under direction of Gerald Dolan, "Scottie" McKeena, Scotch entertainer with Mark Anderson.

SATURDAY, DECEMBER 15

10:30 a. m.—OB's Surprise hour—May Clarke Burns, soprano soloist.
9:00 p. m.—Christmas Carols—Choir of First Presbyterian Church, Alameda, under direction of Mrs. Westgate.



AIMEE SIMPLE
McPHERSON

KFSG

Los Angeles, Calif.—1120 Kc.

500 Watts—267.7 Meters. Angelus Temple, Echo Park. Fl. 5121

"Four Square Gospel"

MONDAY, DECEMBER 10

11:00 a. m.—Recorded program from Gray Studio.

TUESDAY, DECEMBER 11

2:00 p. m.—Aimee Simple McPherson Correspondence School hour.
3:00 p. m.—Bethesda hour, Dr. Gurden.

4:00 p. m.—Recorded program from Gray Studio.

WEDNESDAY, DECEMBER 12

2:30 p. m.—Divine Healing service, Aimee Simple McPherson.

THURSDAY, DECEMBER 13

2:00 p. m.—Aimee Simple McPherson Correspondence hour.
3:00 p. m.—Bethesda hour, Dr. Gurden.

4:00 p. m.—Rev. Claire Britton and Alhambra Branch Church Group.
8:00 p. m.—Water Baptismal service, Aimee Simple McPherson.

FRIDAY, DECEMBER 14

2:00 p. m.—Aimee Simple McPherson Correspondence School hour.
3:00 p. m.—Bethesda hour, Dr. Gurden.

4:00 p. m.—Rev. B. Bruffet and Pasadena Branch Church Group.

SATURDAY, DECEMBER 15

2:00 p. m.—Children's Happy hour, Miss Estelle Jones.
3:00 p. m.—Bethesda hour, Dr. Gurden.

4:00 p. m.—Travelogue, Jas. R. McIntire.
8:00 p. m.—Divine Healing service, Aimee Simple McPherson.

Aimee Simple McPherson

Founder, President

Roderick H. Morrison

Manager

M. E. Kennedy

Technician

C. N. Tucker

Announcer

Ether Fricke

Temple Organist

DAILY EXCEPT SUNDAY

7:00 a. m.—Family Altar.
10:00 a. m.—Sunshine Hour.
11:00 a. m.—Noonday musical, with Esther Fricke, organist (except Tuesday).

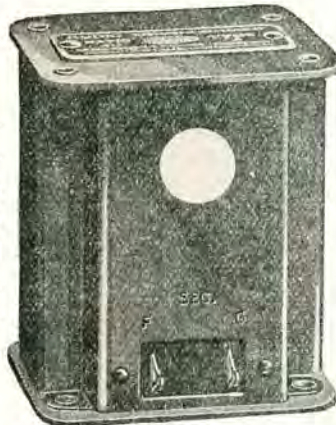
SUNDAY, DECEMBER 9

10:15 a. m.—Sunday morning worship, Aimee Simple McPherson.
2:30 p. m.—Dispensational Message, Aimee Simple McPherson.
6:30 p. m.—Levine Barilotti and Angelus Temple Silver Band.
7:00 p. m.—Musical hour, Temple Choir, Silver Band, Organ.
8:00 p. m.—Revival service, Aimee Simple McPherson.
10:00 p. m.—Music Lovers' hour, Esther Fricke.

PHONE

Audio Transformers

Type "A" Sangamo Audio Transformer 3 to 1 ratio has more uniform amplification at all audible frequencies than any transformer now available.



For Push-Pull Amplifiers:

Sangamo In-Put Transformers and two types of Out-Put Transformers to match impedances of various power tubes, including the new UX-250 (CX-350).

Out-Put Impedance

for keeping "B" current from speaker windings. Tap for matching impedance to the different power tubes.

Plate Impedance

for impedance or auto-transformer coupling or for plate circuit of detector tube to prevent feed back.

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IN
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CHANGES

Manufactured by

SANGAMO ELECTRIC CO., Springfield, Ill.

J. C. Monahan, District Manager, 750 Subway Terminal Bldg., Los Angeles

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H. A. DEMAREST, President

912-914 S. Broadway

VA. 6063
WHOLESALE

Los Angeles, Calif.

Largest Radio Parts Jobber West of Chicago

The essential features of these programs are identical with those sent by the stations.



EDWARD LUTES

KYA San Francisco, Calif.—1230 Kc.

"THEATRE OF THE AIR"
1000 WATTS—243.8 METERS
West Coast Theaters Studio, 938 Market Street, Tel. Prospect 5022
CLAIR MORRISON, Manager
Edward Ludes, Chief Announcer T. B. Palmer, Chief Technician
Liborius Hauptmann, Musical and Program Director
DAILY EXCEPT SUNDAY

8:00 a. m.—"The KYA Morning Glories," with music and songs.
9:00 a. m.—Sally Cooke, the "Better Home Girl of KYA."
10:00 a. m.—Musical program (except Tuesday and Friday).
11:00 a. m.—"California Sunshine Hour."
12:00 noon—News Items direct.
3:00 p. m.—Bride party.
4:00 p. m.—News Casting.
5:00 p. m.—Who's Who program.
6:00 p. m.—News from the Examiner.
6:15 p. m.—The Golden Gate Cryer.
8:00 p. m.—Studio program.
10:00 p. m.—Tavannes Time Signal.
10:00 p. m.—Dance Orchestra (except Saturday).
Hudson Bay Fur Time hourly, 8:00 a. m. to 6:00 p. m.

SUNDAY, DECEMBER 9

10:00 a. m.—Examiner Funny Hour, with Miles Overhol.
11:00 a. m.—Temple Methodist Church.
12:30 p. m.—Pacific Salon Orchestra.
5:00 p. m.—Recorded program.
5:30 p. m.—Frederick W. Clappett.
6:00 p. m.—"Majestic Theater of the Air."
7:30 p. m.—Temple Methodist Church.
9:00 p. m.—Pacific Symphony Orchestra.

MONDAY, DECEMBER 10

12:25 p. m.—Recorded program.
2:00 p. m.—Dr. B. L. Corley.
2:10 p. m.—Recorded program.
7:00 p. m.—George Taylor and Dell Perry.
8:30 p. m.—West Coast Theaters Frolic.
9:30 p. m.—Dr. Corley program.

TUESDAY, DECEMBER 11

10:30 a. m.—Dr. B. L. Corley.
10:40 a. m.—Recorded program.
12:15 p. m.—Tuesday Noon Club, with the Pacific Salon Orchestra.
1:30 p. m.—Pacific Salon Orchestra.
1:50 p. m.—Babette, fashion authority of Examiner.
2:00 p. m.—Matinee musicale of the Pacific Salon Orch.
7:00 p. m.—Intelligence Broadcasting Corporation.
8:30 p. m.—West Coast Theaters Frolic.
9:00 p. m.—Pacific Symphony Orchestra; Liborius Hauptmann, director.

WEDNESDAY, DECEMBER 12

11:00 a. m.—California Sunshine Hour.
11:40 a. m.—Dr. J. R. Brandon.
12:30 p. m.—Pacific Salon Orchestra.
1:30 p. m.—Recorded program.
2:50 p. m.—Dr. B. L. Corley.
2:10 p. m.—Pacific Salon Orchestra.
7:00 p. m.—Musical Demi Tasse, with the Pacific Or-

chestra; Greta and Lucette, vocalists.

9:30 p. m.—Symphony Orchestra.

THURSDAY, DECEMBER 13

10:45 a. m.—Prudence Penny, household editor of Examiner.
11:00 a. m.—California Sunshine Hour.
11:40 p. m.—Dr. J. R. Brandon.
12:15 p. m.—Bell Laboratory program.
12:25 p. m.—Pacific Salon Orchestra.
1:30 p. m.—Recorded program.
2:10 p. m.—Pacific Salon Orchestra in a matinee musicale.
7:00 p. m.—Musical Demi Tasse, featuring orchestra and Greta and Lucette.
9:00 p. m.—Pacific Symphony Orchestra; Liborius Hauptmann, director.

FRIDAY, DECEMBER 14

10:30 a. m.—Dr. B. L. Corley.
12:25 p. m.—Pacific Salon Orchestra.
1:30 p. m.—Recorded program.
2:00 p. m.—Matinee musicale.
4:00 p. m.—Hammet Kiddies and the KYA Orchestra.
4:30 p. m.—Pacific Salon Orchestra.
7:00 p. m.—Musical Demi Tasse of the Pacific Salon Orchestra; Greta and Lucette, vocalists.
9:00 p. m.—Pacific Symphony Orchestra; Liborius Hauptmann, director.

SATURDAY, DECEMBER 15

10:30 a. m.—Dr. B. L. Corley.
12:30 p. m.—Pacific Salon Orchestra.
1:30 p. m.—Recorded program.
7:00 p. m.—Musical Demi Tasse of the Pacific Salon Orchestra; Greta and Lucette, vocalists.
9:00 p. m.—Pacific Symphony Orchestra; Liborius Hauptmann, director.
10:00 p. m.—Frolic with orchestra and revue of artists.
11:00 p. m.—Frolic studio program.



FORRES WEIR

KFWI

Chas. L. Peck
General Manager
Mildred L. Schneider
Program Director

San Francisco—930 Kc.

500 WATTS—322.4 METERS
Radio Entertainments, Inc., 1182 Market Street
Telephone Market 1140

6:00 p. m.—Dinner Hour program (ex. Tues. & Sat.).
8:33 p. m.—Studio program (except Monday).
8:30 p. m.—Police Report of Missing People (ex. Tues.).
10:00 p. m.—Dance music (except Tuesday).

SUNDAY, DECEMBER 9

7:50 p. m.—First Church of Christ, Scientist, Services.
9:00 p. m.—Semi-classical program.

MONDAY, DECEMBER 10

9:00 a. m.—Musical Breakfast program.
8:33 p. m.—Cantillations and Readings by May Joseph Kincaid.
9:00 p. m.—Musical program.

TUESDAY, DECEMBER 11

6:55 p. m.—Police Reports of Missing People.
8:30 p. m.—Hank Blank.

WEDNESDAY, DECEMBER 12

9:00 p. m.—Musical program.

FRIDAY, DECEMBER 14

8:30 p. m.—Hank Blank.
9:00 p. m.—Musical program.

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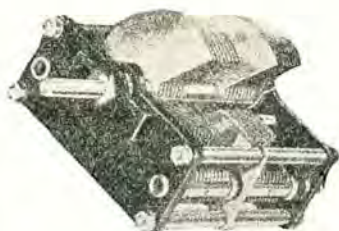
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WHOLESALE

Los Angeles, Calif.

Largest Radio Parts Jobber West of Chicago

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STEPHEN I. GAYLORD

KGW

Portland, Oregon—620 Kc.

1000 WATTS—483.6 METERS
THE MORNING OREGONIAN
"Keep Growing Wiser"

DAILY EXCEPT SUNDAY

10:00 a. m.—Town Crier, weather reports, news items.
12:00 noon—Luncheon Concert.
9:00 p. m.—NBC, Longline Time Signals.

WEDNESDAY, DECEMBER 12

7:15 a. m.—Y. M. C. A. Health Exercises.
8:00 a. m.—NBC.*
9:00 p. m.—French Lesson by Mile, Radka Ivanakova.
9:30 p. m.—Studio program.
6:00 p. m.—Concert Trio.
6:55 p. m.—Thrift Talk by Geo. P. Simons.
7:00 p. m.—Studio program.
8:00 p. m.—Equitable Savings & Loan Assn. Historical Drama.
8:30 p. m.—Studio program.
9:00 p. m.—NBC.*

THURSDAY, DECEMBER 13

9:45 a. m.—Women's Setting-up Exercises.
11:30 a. m.—NBC.*
6:00 p. m.—NBC.*
6:30 p. m.—Dinner Concert.
7:00 p. m.—Studio Entertainment.
7:15 p. m.—Tommy Luke's Flower Girls.
7:30 p. m.—NBC.*
10:00 p. m.—Associated Oil program from KOMO.
11:00 p. m.—Dance Frolic.

FRIDAY, DECEMBER 14

7:15 a. m.—Y. M. C. A. Health Exercises.
10:30 a. m.—NBC.*
11:00 a. m.—Continuation of the Town Crier.
5:00 p. m.—Concert Trio.
5:35 p. m.—NBC.*
6:00 p. m.—NBC.*
7:00 p. m.—Studio music from KOMO.
8:00 p. m.—NBC.*
9:00 p. m.—Red and White Jesters.
9:30 p. m.—Affiliated Buyers Concert.
10:00 p. m.—Studio Concert.
10:30 p. m.—Frolic of the Keen Growing Wiser Order of Hoop Owls.

SATURDAY, DECEMBER 15

6:00 p. m.—Dinner Concert.
7:00 p. m.—NBC.*

*See Page 76 for detailed program of National Broadcasting Company.



DOLPH THOMAS
Announcer

KOIN

Portland, Oregon—940 Kc.

1000 WATTS—310 METERS
Studios: New Heathman Hotel
Broadway at Balboa St.

C. H. Watson
Station Engineer

Dolph Thomas
Studio Director and
Chief Announcer

Tom Clarke
Junior Announcer

DAILY EXCEPT SUNDAY

9:40 a. m.—Housekeepers' Chat; Ruth Adamson.
10:00 a. m.—Town Topics, musical; Velva Weller.
11:15 a. m.—Louise Palmer Webber, Dietician.
11:30 a. m.—U. S. Dept. of Agriculture features.
11:45 a. m.—Weather Report; Correct Time.
12:00 noon—Luncheon Concert, Heathman Hotel Organ.
3:00 p. m.—Portland News Matinee.
5:15 p. m.—Portland News Topsy Turvy Time.
8:00 p. m.—Parker Realty Co. Organ Concert.
6:30 p. m.—Druggist hour.
7:30 p. m.—Benson Hotel Concert Orch. (ex. Mon.).

SUNDAY, DECEMBER 9

12:30 p. m.—Portland Theater organ, Iris Wilkins.
1:30 p. m.—Four Square Gospel Lighthouse service.
6:00 p. m.—Parker Realty Co. organ concert.
8:30 p. m.—Dinner concert on Heathman Hotel pipe organ.

7:00 p. m.—The Benson Hotel Orchestra.
8:00 p. m.—First Church of Christ, Scientist.
9:00 p. m.—Musical comedy hour.

MONDAY, DECEMBER 10

8:00 p. m.—Studio program.
9:00 p. m.—Regum Twins.
9:30 p. m.—Studio program.
10:00 p. m.—Cole McElroy's Oregonians

TUESDAY, DECEMBER 11

1:15 p. m.—Outdoors with the Scientist.
8:00 p. m.—Foster Flowers talk.
8:15 p. m.—Cole McElroy's Oregonians.
8:30 p. m.—Tarola Venetian hour of Italian music, courtesy of Tarola Motor Car Co.
9:30 p. m.—Flight broadcast, courtesy American Legion, Portland Post No. 1.

WEDNESDAY, DECEMBER 12

8:00 p. m.—Studio.
8:30 p. m.—KOIN Players, direction Edris Morrison.
10:00 p. m.—Cole McElroy's Oregonians.

THURSDAY, DECEMBER 13

8:00 p. m.—Regum Twins.
8:30 p. m.—Sherman Clay & Co.
9:00 p. m.—Olson hour; soloists' program.
10:30 p. m.—Broadway Theater Dance Frolic, direction George Stoll from Broadway Theater.

FRIDAY, DECEMBER 14

8:00 p. m.—Studio program.
10:00 p. m.—Cole McElroy's Oregonians.

SATURDAY, DECEMBER 15

8:00 p. m.—Silent for DX listeners.
11:00 p. m.—West Coast Theatre Frolic.

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6	6,000,000
7	7,000,000
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Los Angeles, Calif.

WHOLESALE

Largest Radio Parts Jobber West of Chicago

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GEORGE GODFREY

KOMO

Seattle, Wash.—920 Kc.

FISHER'S BLEND STATION 325.9 METERS

METROPOLITAN CENTER, SEATTLE

Telephone Elliott 5890

DAILY EXCEPT SUNDAY

- 10:00 a. m.—Inspirational Services.
 10:15 a. m.—Y. M. C. A. Health Exercises.
 10:30 a. m.—"What to Prepare for Dinner."
 11:00 a. m.—Organ music, solos, etc. (except Tuesday).
 12:00 noon—Farm Flashes, Grain Reports, Music, News (except Monday).
 12:30 p. m.—"Constance Cook" and Rienna Marshall.
 1:00 p. m.—Totem Concert Orchestra and soloists.
 4:45 p. m.—Silent Period.
 5:00 p. m.—Kiddies' program.
 5:30 p. m.—Stocks and Bonds, News.
 6:00 p. m.—Totem Orchestra and soloists (except Friday).
 9:00 p. m.—NBC, Longline Time Signal.
 10:00 p. m.—Totem Dance Orchestra. Late news flashes (except Wed., Fri. and Sat.).

SUNDAY, DECEMBER 9

- 10:00 a. m.—International Bible Students' Ass'n.
 11:00 a. m.—Plymouth Congregational Church.
 12:20 p. m.—Fifth Ave. Theater Organ concert.
 1:00 p. m.—Musical program
 1:30 p. m.—NBC.*
 2:00 p. m.—Stoneway Tabernacle.
 2:30 p. m.—Pilgrim Congregational Church.
 3:00 p. m.—NBC.*
 5:00 p. m.—Totem Sunday Trio.
 7:30 p. m.—NBC.*
 8:00 p. m.—First Church of Christ, Scientist.
 9:30 p. m.—NBC, Atwater Kent Artists.
 9:30 p. m.—Totem Sunday Trio and vocal quartet.

MONDAY, DECEMBER 10

- 8:00 a. m.—NBC.*
 9:00 a. m.—Totem Concert Trio; vocal.
 9:20 p. m.—Totem Concert Quintet; vocal.
 6:30 p. m.—NBC.*
 7:30 p. m.—Totem Concert Orchestra; vocal.
 8:30 p. m.—NBC.*
 11:30 p. m.—Fifth Ave. Theater Frolie.

TUESDAY, DECEMBER 11

- 10:20 a. m.—"What to Prepare for Dinner" talk.
 10:30 a. m.—NBC.*
 6:00 p. m.—NBC.*
 7:00 p. m.—Totem Concert Orchestra; vocal.
 8:30 p. m.—NBC.*
 9:00 p. m.—Totem Little Symphony; vocal.

WEDNESDAY, DECEMBER 12

- 8:00 a. m.—NBC.*
 9:30 a. m.—Fifth Ave. Theater organ.

*See Page 76 for detailed program of National Broadcasting Company.

- 10:05 a. m.—Y. M. C. A. Health Exercises.
 10:20 a. m.—"What to Prepare for Dinner" talk.
 10:30 a. m.—NBC.*
 11:30 a. m.—Totem Concert Trio; vocal.
 6:00 p. m.—Totem Concert Orchestra; vocal.
 6:30 p. m.—NBC.*
 9:00 p. m.—NBC, Jack and Ethyl.
 9:30 p. m.—"Fireside Hour."
 11:00 p. m.—Totem Concert Orchestra; vocal duets

THURSDAY, DECEMBER 13

- 11:30 a. m.—NBC.*
 6:00 p. m.—NBC.*
 5:30 p. m.—Totem Spanish Orchestra; vocal.
 7:30 p. m.—NBC.*
 9:00 p. m.—Totem Concert Orchestra; vocal.
 9:30 p. m.—NBC.*

FRIDAY, DECEMBER 14

- 10:30 a. m.—NBC.*
 11:30 a. m.—"Joy Boys"; vocal.
 5:30 p. m.—NBC.*
 9:00 p. m.—"Sacred Half Hour."
 9:30 p. m.—NBC.*

SATURDAY, DECEMBER 15

- 8:00 a. m.—NBC.*
 9:00 a. m.—Fifth Ave. Theater organ.
 5:00 p. m.—Kiddies' program.
 5:30 p. m.—Stock and bond quotations.
 6:00 p. m.—NBC.*
 8:00 p. m.—General Insurance Orchestra; vocal.
 9:00 p. m.—Totem Male Quartet.
 9:15 p. m.—Totem Dance Orchestra; vocal.
 11:45 p. m.—Totem Concert Orchestra; male quartet.



CARL E. HAYMOND

KMO

Tacoma, Wash.—1180 Kc.

500 WATT WESTERN ELECTRIC—254.1 METERS

Owned by KMO, Inc.

Hotel Winthrop

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Announcer

J. A. MURPHY

Commercial Manager

JANE MORSE

Studio Director

MARGIE MAHON

Ass't Studio Director

J. D. KOLESAR

Chief Technician

DAILY EXCEPT SUNDAY

- 8:00 a. m.—KMO Early Birds.
 9:30 a. m.—Boys' program.
 10:00 a. m.—News Flashes and Time Signals.
 10:30 a. m.—Home Economics.
 10:45 a. m.—Town Crier and music.
 5:15 p. m.—Sports Review.
 5:30 p. m.—M. Y. M. C. Orchestra (except Tues. Thurs. and Sat.).

MONDAY, DECEMBER 10

- 6:00 p. m.—The Shoppers.
 6:30 p. m.—Luggage program.
 7:00 p. m.—Classical Navytex program.
 7:30 p. m.—Jane Morse, blues singer; Dorothy Lyons, accompanist; Clinton Raymond, popular songs.
 8:15 p. m.—Book Chat, by Mrs. Page Homer.

TUESDAY, DECEMBER 11

- 8:30 p. m.—Classical Navytex program.
 9:00 p. m.—Elks Stocking Fillers variety program.

WEDNESDAY, DECEMBER 12

- 6:00 p. m.—Tacoma Auto Supply program.
 6:30 p. m.—Luggage program.
 7:00 p. m.—Classical Navytex program.
 7:30 p. m.—Union Service Hour.
 8:00 p. m.—The Shoppers.

THURSDAY, DECEMBER 14

- 8:30 p. m.—Classical Navytex program.
 9:00 p. m.—Tacoma Auto Supply program.
 9:30 p. m.—Union Service Hour.
 10:00 p. m.—O. B. Clow program.
 10:30 p. m.—O. B. Clow program.
 11:00 p. m.—Dance program.

FRIDAY, DECEMBER 14

- 5:00 p. m.—O. B. Clow program.
 6:00 p. m.—The Luggage program.
 6:30 p. m.—Jane Morse and Hugh Helms, blues.
 7:00 p. m.—Classical Navytex program.
 7:30 p. m.—Civie program.
 8:00 p. m.—Kelly Girls Saxophone Quartet.

SATURDAY, DECEMBER 15

- 8:30 p. m.—Navytex classical program.
 9:00 p. m.—Tacoma Auto Supply program.
 9:30 p. m.—Union Service Hour.
 10:00 p. m.—Al Quinster's Ten-Piece Greenwich Coliseum Orchestra.

SUNDAY, DECEMBER 16

- 6:00 p. m.—Hotel Winthrop Trio.
 7:00 p. m.—Dinner Hour music.
 7:30 p. m.—First Christian Church.

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H. A. DEMAREST, President

VA. 6063

WHOLESALE

912-914 S. Broadway

Los Angeles, Calif.

Largest Radio Parts Jobber West of Chicago



The essential features of these programs are identical with those sent by the stations.

KFOA

Seattle, Wash.—1270 Kc.

236.1 METERS—1600 WATTS
Owned and Operated by Rhodes Department Store
Arcade Square, Seattle, Washington, Phone Main 8000

P. B. Gale, Station Manager. Ward J. Ireland and Ted McGrath, Announcers
Charles Burson and James Clark, Operators. Frederick C. Feinger, Musical Director
Alfred Green, Commercial Manager

DAILY EXCEPT SUNDAY

- 6:45 a. m.—Sunset's Musical Klook.
- 8:45 a. m.—Puget Sound Half Hour.
- 9:15 a. m.—Studio news.
- 9:45 a. m.—Aunt Sammy's Housekeeper's Chat.
- 10:00 a. m.—Rhodes' Air News.
- 10:30 a. m.—Morning musical.
- 10:45 a. m.—Georgia O. George.
- 11:00 a. m.—Dorothy Neighbors. Menu Hints, etc.
- 12:00 noon—Organ Concert (except Fri. and Sat.).
- 12:15 p. m.—Farm Flashes, Crops, etc.
- 2:30 p. m.—Studio musical (except Thurs. and Sat.).
- 3:00 p. m.—Organ recital.
- 5:30 p. m.—News items, weather reports.
- 6:00 p. m.—Seasons Chimes, News Casting.
- 6:05 p. m.—KFOA Travel Service.
- 6:30 p. m.—Drugists Radio hour.
- 7:30 p. m.—Elaine Goertze, time signals.

MONDAY, DECEMBER 10

- 11:15 a. m.—Morning Musicals.
- 4:00 p. m.—Studio Musicals.
- 7:30 p. m.—Better Flowers talk.
- 7:45 p. m.—"Industriograms."
- 8:00 p. m.—Variety Hour from KMO.
- 8:30 p. m.—Studio program.
- 9:30 p. m.—"Klug Taste Time."

TUESDAY, DECEMBER 11

- 12:30 p. m.—Kiwanis Club Luncheon program from the Olympic Hotel.
- 7:00 p. m.—"Regum Revelers."
- 8:00 p. m.—Old Melodies broadcast.
- 9:00 p. m.—Organ Recital and Popular Melodies.
- 9:30 p. m.—Radio Auction Bridge Game.

WEDNESDAY, DECEMBER 12

- 12:30 p. m.—Rotary Club Luncheon program from the Olympic Hotel.
- 7:30 p. m.—"Sweet Moments."
- 8:00 p. m.—Studio program.
- 8:15 p. m.—KFOA Movie Club.
- 8:30 p. m.—"Notes from the Skipper's Log."
- 8:45 p. m.—Studio program.

THURSDAY, DECEMBER 13

- 12:30 p. m.—Sprin Club Luncheon program from the Olympic Hotel.
- 2:00 p. m.—University of Washington vs. Washington State College football game.
- 8:00 p. m.—"A-H Club Crier" and Primer for Town Farmers.
- 8:15 p. m.—Book Chat—Travel Books for Winter.
- 9:00 p. m.—Troubadour Hour.

FRIDAY, DECEMBER 14

- 11:30 a. m.—Ghirardelli Chocolate program.
- 12:30 noon—Members Council Luncheon program from the Chamber of Commerce.
- 3:30 p. m.—Roosevelt vs. Broadway High School football game.
- 7:30 p. m.—"Sweet Moments."
- 8:00 p. m.—"Regum Revelers."
- 8:30 p. m.—Hockey Game, Seattle vs. Vancouver.
- 10:30 p. m.—Hoot Owls from KGW.

SATURDAY, DECEMBER 15

- 10:00 a. m.—"Magic Voyage of the Old Ship."
- 12:00 noon—Organ Recital, Frederick C. Feinger.
- 2:30 p. m.—Studio Musicals.
- 7:30 p. m.—Farm Science Snapshots.
- 7:40 p. m.—Camp Fire Girls program.
- 8:10 p. m.—Boy Scouts program.



JOHN MARSH

KJR

Seattle, Washington—970 Kc.

5000 WATTS—309.1 METERS. Phone Main 2475

Operated by the American Broadcasting Co.
604 Home Savings Building, 1529 Westlake Ave.

Robert Nichols
Senior Announcer
Royal Forbes
Studio Director
Arthur L. Fram
Program Director
John Marsh
Pianist
Clarence Clark
Engineer

DAILY EXCEPT SUNDAY

- 6:45 a. m.—Vim, Vigor and Vitality.
- 7:45 a. m.—Breakfast News.
- 8:00 a. m.—The Golden Hour Orchestra.
- 9:00 a. m., 12:00 noon and 10:00 p. m.—Pacific Standard Time Signals.
- 9:00 a. m.—Mary Cooke, KJR Better Homes Girl.
- 9:45 a. m.—Devotional Service.
- 10:00 a. m.—KJR Characteristic Hour.
- 10:30 a. m.—Studio program.
- 11:00 a. m.—Variety program.
- 12:00 noon—Late News Events and Novelties.
- 12:30 p. m.—American Salon Orchestra, under direction of Francisco Longo (ex. Monday and Saturday).
- 1:30 p. m.—Song Recital.
- 2:00 p. m.—ABC Artistic Ensemble (except Monday).
- 3:00 p. m.—American Symphony Orchestra (ex. Sat.).
- 4:00 p. m.—Siesta Hour (except Wednesday).
- 5:00 p. m.—Request Hour (except Tuesday and Friday).
- 6:00 p. m.—Special Announcements.
- 8:15 p. m.—Theatrical Review, News, Sports, etc.
- 8:30 p. m.—The Captivators (ex. Tues. and Wed.).
- 8:55 p. m.—Red Cross (except Saturday).
- 7:00 p. m.—Twilight Hour program (ex. Mon. & Wed.).
- 9:00 p. m.—American Symphony Orchestra (ex. Wed.).
- 10:00 p. m.—Hotel Butler Rose Room Dance Orchestra.

SUNDAY, DECEMBER 9

- 11:00 a. m.—Sacred concert.
- 2:00 p. m.—American Salon Orchestra.
- 3:00 p. m.—Home Savings Building Trio.
- 4:00 p. m.—American Salon Orchestra.
- 5:00 p. m.—Cathedral Hour.
- 6:00 p. m.—Majestic Theatre of the Air.
- 7:00 p. m.—Recital; Peter Meremblum.
- 7:30 p. m.—Novelty program.
- 8:00 p. m.—American Salon Orchestra.

MONDAY, DECEMBER 10

- 10:30 a. m.—Studio program.
- 8:40 p. m.—Novelty program.
- 9:00 p. m.—American Salon Orchestra.

WEDNESDAY, DECEMBER 12

- 4:00 p. m.—Bridge Table; Lillian C. Thompson.
- 4:20 p. m.—Siesta Hour program.
- 8:30 p. m.—Song recital.

THURSDAY, DECEMBER 13

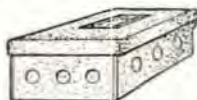
- 2:00 p. m.—ABC.*
- 3:00 p. m.—American Salon Orchestra.
- 7:00 p. m.—Twilight Hour program.
- 8:00 p. m.—ABC Artistic Ensemble; soloist, Virginia Strong (ABC).

FRIDAY, DECEMBER 14

- 12:00 noon.—Music Appreciation by Ramond David Holmes; late news.
- 2:00 p. m.—ABC Artistic Ensemble.
- 8:00 p. m.—ABC Artistic Ensemble; soloist, Hayden Morris.

SATURDAY, DECEMBER 15

- 8:00 p. m.—Vincent Knowles Orchestra.
- 9:00 p. m.—Novelty program.
- 9:30 p. m.—Vic Meyers' Hotel Butler Dance Orchestra (ABC).
- 10:3 p. m.—Charmed Land Quartet.
- 11:00 p. m.—Show Boat Frolie.

TOBE**STOPS MAN-MADE STATIC****FILTERETTE
No. 22****\$15⁰⁰**

There is a FILTERETTE designed for every purpose. Sign flashers are treated as individual problems. Individual engineering is available when needed on other similar unusual problems.

FILTERETTE No. 22

FOR STOPPING "MAN-MADE" STATIC AT ITS SOURCE

DESIGNED FOR ALL TYPES OF

MOTORS, GENERATORS, BLOWERS OR OTHER ELECTRICAL APPARATUS
USING 110 OR 220 VOLTS REGARDLESS OF HORSEPOWER

MOTOR, GENERATOR,
BLOWER OR OTHER
ELECTRICAL APPARATUS



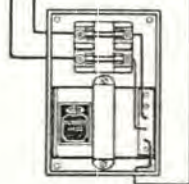
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Tobe Filterette No. 22 will take out "static" caused by motors, oil burners, blowers, fans, ice machines or any noise disturbing electrical device.

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RECOMMENDED OR TWO TOBE FILTERETTE No. 22

Write for "The Filterette" the new TOBE Monthly House Organ, covering the new field of interference suppression.

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RADIO SUPPLY CO.

H. A. DEMAREST, President

912-914 S. Broadway

VA. 6063

Los Angeles, Calif.

The essential features of these programs are identical with those sent by the stations.



CECIL F. UNDERWOOD
Chief Announcer

KHQ

Spokane, Washington—590 Kc.

1000 WATTS—508.2 METERS

LOUIS WASMER, INC., Standard Stock Exchange Bldg.
Telephone Main 4442

DAILY EXCEPT SUNDAY

- 6:45 a. m.—Bailey's Period of Pen and Calligraphies (except Wednesday).
7:30 a. m.—Schultz Musical Klock (except Wednesday).
8:30 a. m.—Inland Empire Road Reports (except Wednesday).
9:30 a. m.—Household Service, Tull & Gibbs (except Wednesday and Friday).
10:00 a. m.—Sara Leigh's Hour with Women (except Wednesday).
11:00 a. m.—Farmers' Service Hour (except Tuesday).
12:00 noon.—The Diamond Hour (except Tuesday).
12:30 p. m.—The Majestic Tenor and His Banjo (except Tuesday).
1:00 p. m.—Miss Modern.
1:30 p. m.—Fur Facts.
2:00 p. m.—Washington Home Service Hour (except Tuesday and Friday).
2:30 p. m.—Kolster Concert.
3:30 p. m.—Stewart Musical Program.
- 4:00 p. m.—Paint o Mine Period.
4:30 p. m.—Bailey's Concert.
5:00 p. m.—Service Hour (except Friday).
6:00 p. m.—Mahon Merrick's Concert Orchestra (except Wed., Thurs. and Fri.).

SUNDAY, DECEMBER 9

- 10:30 a. m.—Children's Sunday School program.
11:00 a. m.—Central Methodist Episcopal Church.
1:30 p. m.—NBC.*
3:00 p. m.—NBC.*
4:30 p. m.—NBC.*
5:30 p. m.—International Bible Students.
5:00 p. m.—Bailey's Concert.
7:30 p. m.—NBC.*
9:00 p. m.—NBC.*
10:00 p. m.—City Service Little Symphony.

MONDAY, DECEMBER 10

- 9:00 a. m.—The Happy Time Hour, NBC.
6:30 p. m.—NBC.*
7:30 p. m.—Musical programs.
8:00 p. m.—NBC.*
9:00 p. m.—NBC.*

TUESDAY, DECEMBER 11

- 10:30 a. m.—NBC.*
11:30 a. m.—Farmers' Service Hour.
7:30 p. m.—Musical programs.

- 7:45 p. m.—National Savings Twins.
8:00 p. m.—NBC.*
8:30 p. m.—NBC.*
9:00 p. m.—Golconda Orchestra.
10:00 p. m.—Dance music by Mahlon Merrick and his Orchestra.

WEDNESDAY, DECEMBER 12

- 8:00 a. m.—The Happy Time Hour, NBC.
9:00 a. m.—Musical Klock.
9:30 p. m.—Sara Leigh's Hour with Women.
10:30 a. m.—NBC.*
4:00 p. m.—C. Andre 1st.
5:00 p. m.—Varieties program.
6:00 p. m.—Service Hour.
6:30 p. m.—National Savings Twins.
7:00 p. m.—Santa Claus.
7:30 p. m.—Dinner concert.
8:00 p. m.—Bridge lessons.
8:30 p. m.—Musical programs.
9:00 p. m.—NBC.*
9:30 p. m.—Standard Stock Exchange Bldg. program.

THURSDAY, DECEMBER 13

- 6:00 p. m.—NBC.*
6:30 p. m.—Mahon Merrick's Concert Orchestra.
7:00 p. m.—National Savings Twins.
7:30 p. m.—NBC.*
8:30 p. m.—Crescents Old Favorites.
9:30 p. m.—NBC.*
10:00 p. m.—Associated Oil from KOMO.
11:00 p. m.—Dance music by Mahlon Merrick and Orch.

FRIDAY, DECEMBER 14

- 9:00 a. m.—The Chocolate Girl.
5:30 p. m.—NBC.*
6:30 p. m.—NBC.*
6:30 p. m.—Dinner Concert, Sports, etc.
7:00 p. m.—Santa Claus.
7:30 p. m.—National Savings Twins.
8:00 p. m.—NBC.*
9:00 p. m.—Miss Spokane and her Orchestra.
9:30 p. m.—NBC.*

SATURDAY, DECEMBER 15

- 8:00 a. m.—NBC.*
6:00 p. m.—NBC.*
7:30 p. m.—NBC.*
8:00 p. m.—Dinner Concert, Sports, etc.
8:30 p. m.—National Savings Twins.
9:00 p. m.—NBC.*
10:00 p. m.—NBC.*

What's All This Racket About Majestic?

If you've heard one—you know!

If you haven't—you owe it to yourself and radio to hear one right now!

More than a hundred carloads of Majestics have been sold in Southern California as a result of demonstrations in the home... and all those folks can't be wrong!

And here's another thought—Every set we sell is *balanced to the peak of performance!*

Think it over!

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Phone Whitney 6806

FOR SALE

SHORT WAVE TRANSMITTER—A. C. operated, 18 to 86 meters, 7½ watts, 210 oscillator, 2 210 modulators, 2 281 rectifiers. Proven results.

Ampliphonic Radio Lab.

See Applegate

Midland 1181 2455 E. 27th St.

DAVEN TELEVISION and RADIO PRODUCTS



Daven Television Essential Kit

The first complete kit. Furnished with either T-24, T-36 or T-48 Scanning Disc, and Motor, Bushing, Motor Control, Daven Television Lamp, 3 Complete Stages of Daven Television Amplification and Instruction for Building.....\$60.00

Daven De Luxe Television Kit

Furnished with Combination 24, 36, and 48 line Scanning Disc, Motor, Bushing, Motor Control, Daven Television Lamp, Adjustable Lamp Bracket, and Daven T-4 Television Amplifier with Super Davohms used as Plate Resistors. Instructions for Building.....\$90.00

DAVEN SUPER-DAVOHM

500 OHMS TO 5,000,000 OHMS



(ACTUAL SIZE)

Super-Davohms meet the demand of the advanced amateur who is desirous of eliminating all distortion in his television receiver as a substitute for the ordinary grid and plate resistors. Being wire wound, they are absolutely noiseless, distortionless and indestructible if not overloaded.

Engineers and manufacturers have always sought a resistor that was so small

it could be mounted in the conventional grid clip, yet so accurate that it would deserve a place among the best precision instruments of the laboratory. These units may be obtained from 500 to 5,000,000 ohms.

DAVEN GLASTOR



The Transparent Resistor

Glastor, made only by Daven by a secret process, makes the glass itself conductive. Cannot change in value nor become noisy, while the glass remains intact. Made in full range of values. Priced at 40c and 50c each.

THE DAVEN CORPORATION

160 Summit St.

Newark, N. J.

Distributed by

RADIO SUPPLY CO.

H. A. DEMAREST, President

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VA. 6063

Los Angeles, Calif.

WHOLESALE

Largest Radio Parts Jobber West of Chicago

The essential features of these programs are identical with those sent by the stations. By order of the Federal Radio Commission, KPCB and KPQ must share time.



KPCB

Lewis D. Greenway
Manager-Announcer
Florence E. Wallace
Program Director
John R. Hill
Technician

Seattle, Wash.—1210 Kc.

"The Snowflake Station"
Owned and Operated by The Pacific Coast Broadcast Co.
100 WATTS—247.8 METERS
Central Building, MA. 7997

- 1:30 p. m.—Pacific Coast Broadcast Co. "Trump Hour."
- 2:00 p. m.—Bulgette Hour.
- 2:30 p. m.—Program sponsored by Red Rock Creamery.
- 3:00 p. m.—Centennial Mill Hour.
- 3:30 p. m.—Crescent Baking Suggestions.
- 4:00 p. m.—Recipe talk.
- 4:15 p. m.—Shopping Hints.

TUESDAY, DECEMBER 11

- 4:00 p. m.—Recipe talk.
- 4:15 p. m.—Shopping hints.
- 4:30 p. m.—The Winter Garden.
- 5:00 p. m.—Studio program.
- 5:30 p. m.—Vocal program.
- 6:00 p. m.—Revelation Hour.
- 8:30 p. m.—Studio program.
- 6:30 p. m.—Talk by Paul R. McCann.
- 7:00 p. m.—Musical recordings.
- 7:30 p. m.—Thomas A. Barstow, psycho-analyst.
- 9:00 p. m.—Vic Meyers and his Trianon Ballroom Orchestra.
- 11:00 p. m.—News items.
- 11:20 p. m.—Vic Meyers and his Orchestra.

THURSDAY, DECEMBER 13

- 4:00 p. m.—Recipe talk.
- 4:15 p. m.—Shopping hints.
- 4:30 p. m.—Suggestions for Interior Decorators at home.
- 5:30 p. m.—Ethel Webb Livesley's Children's Hour.
- 6:00 p. m.—Revelation program.
- 6:30 p. m.—Talk by Paul R. McCann.
- 7:00 p. m.—Studio program, featuring Thelma Olsen.
- 7:30 p. m.—Coburn's Old-Time Dance Orchestra.

SATURDAY, DECEMBER 15

- 4:00 p. m.—Matinee concert, featuring Vic Meyers and his Orchestra.
- 5:30 p. m.—Late recordings of the week.
- 6:30 p. m.—Revelation program.
- 7:00 p. m.—Studio program.
- 9:00 p. m.—Vic Meyers and his Trianon Ballroom Orch.
- 11:00 p. m.—News items.
- 11:20 p. m.—Vic Meyers and his Trianon Ballroom Orch.

LEWIS D. GREENWAY

DAILY EXCEPT TUES, THURS. AND SAT.

- 8:00 a. m.—Early morning concert.
- 8:30 a. m.—Morning Musicale.
- 10:00 a. m.—Program of the Red Rock Creamery.
- 10:30 a. m.—Crescent Baking Powder hour.
- 11:00 a. m.—New Gems of Flavor.
- 11:30 a. m.—Musical program.
- 12:00 noon—Luncheon hour concert.
- 1:00 p. m.—Popular Concert Numbers.
- 1:30 p. m.—P.C.E. "Trump Hour."
- 2:00 p. m.—Rubyette Hour.
- 2:30 p. m.—Program sponsored by Red Rock Creamery.
- 3:00 p. m.—Band concert.
- 3:30 p. m.—Centennial Mill Hour.
- 4:00 p. m.—Recipe hour.
- 4:15 p. m.—Shopping Hints.

SUNDAY, DECEMBER 9

- 11:00 a. m.—Musical program.
- 7:00 p. m.—Musical program.
- 8:30 p. m.—Covey Laundry request program.

MONDAY, DECEMBER 10

- 8:00 a. m.—Early morning concert.
- 8:30 a. m.—Morning Musicale.
- 10:00 a. m.—Program of Red Rock Creamery.
- 10:30 p. m.—Crescent Baking Powder Hour.
- 11:00 a. m.—New Gems of Flavor.
- 11:30 a. m.—Covey Laundry Service program.
- 12:00 noon—Luncheon Hour musicale.
- 1:00 p. m.—Popular Concert numbers.



KGA

H. E. Studebaker
Studio Manager

Carris Andrew
Announcer

Spokane, Wash.—1470 Kc.

5000 WATTS—204.0 METERS
Operated by the American Broadcasting Co., located in the Sun Life Assurance Building

SUNDAY, DECEMBER 9

- 11:00 a. m.—First Presbyterian Church services
- 2:00 p. m.—ABC.
- 6:00 p. m.—Majestic Theater Hour of the ABC and Columbia System from New York.
- 7:00 p. m.—Kinnman's String Trio.
- 7:30 p. m.—First Presbyterian Church service.
- 9:00 p. m.—ABC. American Salon Orchestra; soloists

MONDAY, DECEMBER 10

- 10:30 a. m.—Popular recordings.
- 11:15 a. m.—Favorite Songs and Melodies.
- 10:00 p. m.—Studio program.

TUESDAY, DECEMBER 11

- 10:00 a. m.—Popular recordings.
- 8:00 p. m.—Perdin Korsmo, tenor artist.
- 8:30 p. m.—Studio program.
- 10:00 p. m.—Simson's Old Timers.

WEDNESDAY, DECEMBER 12

- 10:30 a. m.—Popular recordings.
- 11:15 a. m.—Favorite Songs and Melodies.
- 8:30 p. m.—ABC. Song Recital!
- 10:00 p. m.—Van Ausdie Hoffman program.

THURSDAY, DECEMBER 13

- 10:00 a. m.—Popular recordings.
- 8:00 p. m.—Studio program.
- 10:00 p. m.—Edna Hovenden, pianist.

FRIDAY, DECEMBER 14

- 10:30 a. m.—Popular recordings.
- 11:15 a. m.—Favorite Songs and Melodies.
- 8:00 p. m.—Melody Boys Dance Orchestra.
- 10:00 p. m.—Judson Mather, organ recital.

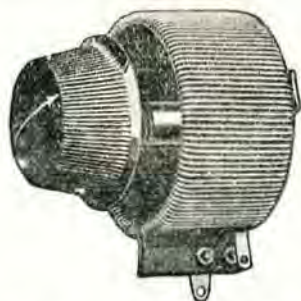
SATURDAY, DECEMBER 15

- 10:00 a. m.—Popular recordings.
- 12:45 p. m.—Talk on Esperanto by R. W. Mason.
- 12:50 p. m.—Musical program.
- 9:30 p. m.—ABC; Vic Meyers' Dance program
- 10:30 p. m.—ABC.
- 11:00 p. m.—ABC. Show Boat Frolfe.

CARRIE ANDREW

DAILY EXCEPT SUNDAY

- 8:45 a. m.—ABC chain sartin-up exercises.
- 9:00 a. m., 12:00 noon, 7:00, 10:00 and 12:00 p. m.—Time Signals.
- 9:50 a. m.—Betty Cooke, KGA Better Homes Girl.
- 10:00 a. m.—Burgan's Economy program (except Tues., Thurs. and Sat.).
- 10:45 a. m.—Wetzel Jewelers Review.
- 11:00 a. m.—Shopping Service; music; dietetic talk.
- 12:00 noon—Time; weather; garden notes.
- 12:10 p. m.—Livestock Quotations.
- 12:15 p. m.—Logan & Bryan Grain Quotations.
- 12:30 p. m.—Musical program (except Saturday).
- 1:00 p. m.—Van Ausdie Hoffman Music Co.
- 1:30 p. m.—Studio Specialties.
- 2:00 p. m.—Musical.
- 4:00 p. m.—Van Ausdie Hoffman Music Co.
- 4:30 p. m.—Musical program.
- 4:55 p. m.—World Book-Man.
- 5:00 p. m.—Uncle Andy's Hour with Kiddies.
- 5:20 p. m.—Dinner Hour of Music.
- 7:00 p. m.—Weather Forecast.
- 7:00 p. m.—ABC Chain (except Thursday).
- 8:00 p. m.—ABC (ex. Mon., Tuesday and Fri.).
- 9:00 p. m.—ABC.



Giant Power Rheostat

S MALL IN DIAMETER, but large in capacity, this rheostat will safely carry any power load of 70 watts. Constructed of heat proof materials throughout. There is no fibre to warp or burn out. Wire is wound on a steel core insulated with asbestos. Extra wide core assures large area for quick heat dissipation.

This unit is ideal for primary control of "AC" receivers or "A" Power Units. It will keep the line at a constant workable average, keeping the secondary output well within rated limits. These units connected in series across the output of a Rectifier and Filter system for "B" Power will provide all necessary voltage taps.

These units can be used in any power circuit position without any danger of burning out—the capacity is only limited by the capacity of the wire.

Manufactured with two or three terminals. Diameter 2", depth 1 1/4". Write for new booklet on "Volume Controls and Voltage Controls—their use."

Centralab

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16 KEEFE AVENUE, MILWAUKEE

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RADIO SUPPLY CO.

H. A. DEMAREST, President

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VA. 6063

Los Angeles, Calif.

WHOLESALE

Largest Radio Parts Jobber West of Chicago

(NBC—Continued from Page 76)

FRIDAY, DECEMBER 14

- 10:30 a. m.—"Woman's Magazine of the Air."
Broadcast over KHQ, KOMO, KGW, KGO, KPO and KFI.
- 5:35 p. m.—DA-RA-O takes his young friends of the radio to the Inspection House this afternoon.
Broadcast over KHQ, KOMO, KGW and KGO.
- 6:00 p. m.—Byrd's famous number, "Arkansas Hushkin' Bee," will be played as a feature of the Wrigley Review broadcast.
Broadcast over KHQ, KOMO, KGW, KGO and KFI.
- 7:00 p. m.—Picturesque Spanish songs and colorful instrumental numbers are scheduled on the Los Angeles studio program.
Broadcast over KGO and KFI.
- 8:00 p. m.—Tchaikovsky's "Chorus of Shepherds and Shepherdesses" will be played by the RCA Orchestra, under the direction of Max Dolin as the opening number of the RCA Hour.
Broadcast over KHQ, KOMO, KGW, KGO, KPO and KFI.
- 9:30 p. m.—A half hour of melody, inspired by the spell of Moon Magic.
Broadcast over KHQ, KOMO, KGW, KGO.

SATURDAY, DECEMBER 15

- 6:00 p. m.—Victor Herbert's operetta, "Sweethearts," with Jessica Dragonette, soprano, and Collin O'More, tenor, in the leading roles, will be presented by the Philco Hour.
Broadcast over KHQ, KOMO, KGW, KGO and KFI.
- 7:00 p. m.—"There's a Rainbow 'Round My Shoulder," one of the latest "tunes that made Broadway Broadway," and one of the "hit" songs in "The Singing Fool," will be a feature of Lucky Strike Dance program.
Broadcast over KHQ, KOMO, KGW, KGO, KPO and KFI.
- 9:00 p. m.—Dion Boucicault's three-act Irish drama, "Arrah-Na-Pogue" (The Wicklow Wedding), will be presented in a specially prepared radio version by the "Golden Legend" program.
Broadcast on KHQ, KGW and KGO.
- 10:00 p. m.—"Unt Comes It Now" Schmitzel will preside as master of ceremonies during the weekly "Big Show" broadcast through NBC System stations.
Broadcast over KHQ, KGW, KGO, KPO (10:30 to 12:00).

Pyrex Insulators

The Corning Glass Company of Corning, N. Y., are manufacturers of Pyrex radio insulators, making strain insulators, varying in size from 3 1/2" to 12 1/4" in length, adapted for any use, receiving or transmitting. They are also manufacturers of Pyrex lead-in bowls and various sizes of stand-off insulators.

Pyrex is the highest grade of its type known for insulating material, which statement is backed up by Radio Operator Berkner, of the S. S. "City of New York," of the Byrd South Pole expedition. It is interesting to note Berkner's radiogram elsewhere in this issue as to his experience with Pyrex under the most adverse and exacting conditions.

The Pyrex products are distributed by The Radio Supply Company, 912 South Broadway, Los Angeles.

Remler 29

(Continued from Page 57)

etal knowledge, tools or equipment are necessary.

One cannot operate the Remler 29

without being impressed by its remarkable sensitivity . . . its reserve power. Fulltest possible advantage is taken of four stages of shield-grid amplification and yet the gain per stage is not made so high that selectivity is sacrificed or excessive background noise is introduced. Under reasonably favorable conditions it can safely be said that the range of the Remler 29 is virtually unlimited.

No receiver can successfully accomplish its primary mission, that of giving pleasure and entertainment, unless the reproduction which it provides is natural and true to life. Remler Engineers have appreciated the limitations placed on reproduction by the audio systems which have been available in the past. They have devoted much time and energy to the development of a complete line of Remler Audio Components, the design of which is based upon practice which, while not fundamentally new, is nevertheless entirely new to radio. The Remler Audio System of the "29" provides reproduction which is so natural, so life-like that it is difficult not to imagine the artist present in person. Each note, regardless of its position in the musical scale, and all the overtones which are essential to brilliant, sparkling reproduction are passed on to the speaker in exactly their correct relative intensities.

PARTS FOR THE REMLER "29"
SHIELD-GRID SUPER-
HERERO DYNE

- 1 Remler No. 712 Shield-Grid Selector and Amplifier. (All wire necessary for the complete receiver is included with this unit.)
- 1 Remler No. 752 Foundation Kit, Incorporating:
 - 1 Pressed Steel Base.
 - 1 Pressed Steel Instrument Panel.
 - 1 Bronze Escutcheon Plate.
 All necessary fixed and compensating condensers, cord-tip jacks, binding posts, bakelite knobs, insulating washers, bolts, nuts and screws.
- 2 Remler No. 110 Universal Drum Dials.
- 1 Remler Type 632 Two-in-Line Condenser.
- 1 Remler Type 638 Twin-Rotor Condenser.
- 1 Frost No. 1895 500,000-ohm Variable Resistor (Volume Control).
- 1 Frost No. 1896 2,000-ohm Variable Resistor (Sensitivity Control).
- 1 Frost No. S 1906 6-ohm Rheostat and Switch.
- 1 Frost No. 782 Battery Cable Plug Socket.
- 1 Frost No. 780 Battery Cable and Connector.
- 1 Remler No. 900 or 920 First-Stage Audio Transformer.

Band-Pass Receiver

(Continued from Page 56)

- 1—Yaxley 75-ohm Junior Rheostat (2).
 - 2—Yaxley Insulated Tip Jacks, No. 422 (35, 36).
 - 4—Eby Sockets, UX type (12, 17, 22, 33).
 - 1—Eby Socket, UY type (28).
 - 1—Electrad Tonatrol, type S (34).
 - 1—.00025 mfd. Polymet molded Bakelite fixed mica grid condenser (27).
 - 1—.001 mfd. Polymet molded Bakelite fixed mica condenser (29).
 - 7— $\frac{1}{2}$ mfd. Polymet "Hi Volt" Filter Condensers, type C-908 (11, 13, 16, 18, 21, 23, 32).
 - 1—2 meg. Durham Metallized Resistor Grid Leak, with Durham Vertical Single M't'g (26).
 - 1—Silver-Marshall Vernier Drum Dial, type 806-R, with Drum Dial Window, type 807.
 - 1—Thordarson Transformer, type R-300 (31).
 - 1—Hammardlund R.F. Choke, type RFC-85 (30).
 - 1—Carter "Imp" Power Switch (37).
 - 1—Hammerlund Flexible Coupling, type FC (40).
 - 1—Hammardlund Shield, type HQS, Aluminum.
 - 1—Special Inductance Coil (See Constructional Directions).
 - 1—Shield for Special Coil (See Constructional Directions).
 - 2—Muter Variable Balancing Condensers, type 1900 (5, 10).
 - 2—Yaxley Cable Connectors, No. 660, complete with Plugs and M't'gs (38, 39).
 - 2—Eby Engraved Binding Posts (1, 3).
 - 1—Can Kester Radio Solder (Rosin Core) by the Chicago Solder Co.
 - 1—Roll Corwico Braidite, stranded core, Hook-up Wire.
 - 1—"Radion" or "Ace" 7"x26"x3/16" Hard Rubber Panel.
 - 1—"Radion" or "Ace" 10"x25"x3/16" Hard Rubber Sub-Panel.
 - 4—Brackets, 1" high.
- Complete List of Parts Required for Push-Pull Amplifier and "A," "B" and "C" Power Supply for the 10 K.C. Band Pass Receiver**
- 1—Thordarson R-480 Power Compact (41).
 - 1—Thordarson Filament Supply Transformer, type T-2445 (62).
 - 1—Thordarson Push-Pull Input Transformer, type T-2408 (63).
 - 1—Thordarson Push-Pull Output Choke, type T-2420 (66).

- 1—Electrad Truvolt Divider (46).
- 1—Electrad Truvolt Variable Resistance, type T-20 (52).
- 1—Electrad Truvolt Fixed Resistance, type B-10 (50).
- 1—Polymet Block Condenser, type F-1005, (43-2mfd.) (44-2 mfd.) (45-4 mfd.).
- 4—1 mfd. Polymet "Hi Volt" "B" Filter Condensers, type C-924 (47, 48, 49, 51).
- 3—Eby Sockets, new style, UX type (42, 64, 55).
- 1—A.C. Amperite, No. 227, with M't'g (57).
- 4—A.C. Amperites, No. 226, with Mountings (59, 60, 61, 70).
- 2—Amperites, No. 112, with M't'gs (54, 55).
- 1—Carter Upright Center-Tapped Resistor, type CE-20 (56).
- 1—Carter Upright Center-Tapped Resistor, type CE-200 (53).
- 1—Roll Corwico Braidite, stranded core hook-up Wire.
- 1—Roll Corwico No. 16 Rubber-covered solid hook-up Wire.
- 4—Yaxley Insulated Tip Jacks, No. 422, (35-a, 36-a, 67, 68).
- 1—Yaxley Receptacle, A.C. Connection for Field of Dynamic Speaker (69).
- 11—Eby Engraved Binding Posts.
- 1—Wood Base.

Trade Items

The Weston Electrical Instrument Corporation are chiefly known in their manufacture of precision line of meters, of all types, covering very thoroughly every angle of radio, including panel mounting meters, portable types, tube checkers and a most complete and up-to-the-minute set tester. The Weston line of meters are known the world over for their accuracy and compactness, which is evidenced by the demand for these products from all parts of the globe.

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The Radio Cabinet Co., of 2511 Compton avenue, announce that they are now in position to furnish to the trade radio and speaker cabinets of any description and extend cordial invitation to visit their plant and look over their stock and up-to-date manufacturing facilities.

The essential features of these programs are identical with those sent by the stations.



FREEMAN H. TALBOT

KOA Denver, Colorado—830 Kc.

12,500 WATTS—361.2 METERS. GENERAL ELECTRIC CO.
Pacific Standard Time

"Rocky Mountain Broadcasting Station"

DAILY EXCEPT SUNDAY

10:00 a. m.—Farm and Home Hour, NBC (except Saturday).
10:45 a. m.—Heard Over the Telephone.
11:00 a. m.—Time Signals.
11:01 a. m.—Weather, Stocks, etc.
11:15 a. m.—Organ Recital.

7:30 p. m.—KOA Mixed quartet.
8:00 p. m.—The Novelty Show.
8:30 p. m.—Over the Garden Wall, an Italian Garden.
9:00 p. m.—KOA orchestra.

THURSDAY, DECEMBER 13

7:45 a. m.—Thrice Products program, NBC.
3:00 p. m.—A Recipe a Day.
3:05 p. m.—Thursday Afternoon Musicals, Matinee String trio and Mildred Rubge Kyffin, contralto.
3:30 p. m.—"The Denver Post Stylogram."
3:45 p. m.—Musical program.
5:00 p. m.—The Song Shop, NBC.
5:30 p. m.—Bronx Palace hotel orchestra.
6:00 p. m.—Seiberling Singers, NBC.
6:30 p. m.—Maxwell House Coffee Hour, NBC.
7:00 p. m.—Halsey Stuart, NBC.
7:30 p. m.—Colorado Agricultural college.
8:00 p. m.—Nick Palizal's Apollo Ball Room Aces.

FRIDAY, DECEMBER 14

8:00 a. m.—RCA Educational Hour—Walter Damrosch and orchestra, NBC.
9:00 p. m.—Shopping Service.
11:00 a. m.—Forhams program.
3:00 p. m.—A Recipe a Day.
3:05 p. m.—Housewives' matinee. Reese pop. quartet.
4:00 p. m.—Great Moments in History, NBC.
5:00 p. m.—Cities Service orchestra and Cavaliers, NBC.
6:30 p. m.—Wiley Review, NBC.
7:00 p. m.—Stromberg-Carlson, NBC.
7:30 p. m.—Answers on Financial Questions.
7:35 p. m.—The Soltaire Cowboys.
8:05 p. m.—Vincent Lopez's Hotel St. Regis orchestra.
9:30 p. m.—String trio.

SATURDAY, DECEMBER 15

11:30 a. m.—RCA Demonstration Hour, NBC.
4:00 p. m.—Vincent Lopez and his Hotel St. Regis dance orchestra, NBC.
4:45 p. m.—"Week of the World's Business," NBC.
5:00 p. m.—The National Symphony orchestra, NBC.
6:00 p. m.—Philco Hour, NBC.
7:00 p. m.—Lucky Strike Hour, NBC.
8:00 p. m.—Preview of International Sunday School lesson.
8:30 p. m.—Bill Grabau's Hotel Cosmopolitan orch.

SUNDAY, DECEMBER 9
9:50 a. m.—Service of 1st Congregational Ch., Denver.
12:20 p. m.—Peerless Reproducer Hour.
1:00 p. m.—Dr. S. Parkes Cadman, NBC.
2:30 p. m.—Arcadie Birkenhotz, concert violinist, NBC.
3:00 p. m.—Stetson Parade, NBC.
3:50 p. m.—Whitall Anglo Persians, NBC.
4:00 p. m.—Piggly Wiggly Grimes company program.
4:45 p. m.—Hoff-Schroeder Crystal Studio.
5:15 p. m.—Collier's Hour, NBC.
6:15 p. m.—Atwater Kent Hour, NBC.
7:15 p. m.—National Light Opera Co., NBC.
8:15 p. m.—Flower Time.

MONDAY, DECEMBER 10

5:00 p. m.—The Choristers, NBC.
5:30 p. m.—Automatic Duo Disc program, NBC.
6:00 p. m.—Brown Palace hotel orchestra.
6:30 p. m.—Musical Pirates.
7:00 p. m.—General Electric hour.
8:00 p. m.—Koa Koons in "The Gift Lizzie."
9:00 p. m.—Reese Popular quartet.

TUESDAY, DECEMBER 11

1:30 p. m.—Auction Bridal games, NBC.
3:00 p. m.—A Recipe a Day.
3:05 p. m.—Our Trip Around the World, in Germany.
4:00 p. m.—Voters' Service, NBC.
5:00 p. m.—The Mediterranean Dance band, NBC.
6:00 p. m.—Farm Question Box.
6:30 p. m.—Brown Palace hotel orchestra.
7:00 p. m.—Cliequot Club Eskimos, NBC.
7:30 p. m.—Answers on Financial Questions.
7:35 p. m.—Nick Palizal and His Apollo Aces.
8:00 p. m.—Variety—The Spice of Life.
8:30 p. m.—Ben Bernie's Hotel Roosevelt orch., NBC.

WEDNESDAY, DECEMBER 12

5:30 p. m.—Brown Palace hotel orchestra.
6:00 p. m.—Ipana Troubadours, NBC.
6:30 p. m.—Palmolive Hour, NBC.



F. M. B.
Announcer

DAILY EXCEPT SUNDAY

11:00 a. m.—Smile and Relax Hour.
12:00 noon.—Request.

SUNDAY, DECEMBER 9

11:00 a. m.—Popular musical hits of the day.
12:00 noon.—Sacred or classical concert.
1:00 p. m.—Variety Request Hour.
6:00 p. m.—Twilight Concert Hour.
7:00 p. m.—Hits of the day.
8:00 p. m.—Popular Request Hour.
9:00 p. m.—Optional sponsored.

MONDAY, DECEMBER 10

12:00 noon.—K. H. Delno Hour.
6:00 p. m.—Pacific Land and Cattle Co., Imperial.
7:00 p. m.—Classical Request Hour.
8:00 p. m.—Variety Request program.
9:00 p. m.—Spanish-Mexican Musical Hour.

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TUESDAY, DECEMBER 11

11:00 a. m.—Merry Sunshine Hour.
12:00 noon.—Piggly-Wiggly all over the world.
6:00 p. m.—Old Timers' Nite. Old requests.
7:00 p. m.—The latest musical hits.
8:00 p. m.—Old Timers' Nite. Second request hour.
9:00 p. m.—Optional.

WEDNESDAY, DECEMBER 12

6:00 p. m.—Just a Song at Twilight.
7:00 p. m.—Johnson-Groble Co.
8:00 p. m.—Variety Request Hour.
9:00 p. m.—R. H. Delno Hour.

THURSDAY, DECEMBER 13

11:00 a. m.—Merry Sunshine program.
6:00 p. m.—Just a Song at Twilight.
7:00 p. m.—Mona Motor; Edgar Bros. Hour.
8:00 p. m.—Three hours of good dance numbers, with a sprinkling of popular songs hits of the day.

FRIDAY, DECEMBER 14

6:00 p. m.—Sunset Glow program. City of Imperial Merchants.
7:00 p. m.—Valley Lumber Co. John Deers Co.
8:00 p. m.—Musical request program.
9:00 p. m.—Blume and Field Hour. Blahfield Oil Co.

SATURDAY, DECEMBER 15

11:00 a. m.—Merry Sunshine Hour.
12:00 noon.—Kiddies' request. I. V. Milk Producers Association. Holtrille.

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CLOYD MARSHALL, JR.
Editor

K. G. ORMISTON
Technical Editor

GEORGE W. MARSHALL
Business Manager

MAJ. LAWRENCE MOTT
Associate Editor

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DIRECTORY OF DETAILED PROGRAMS

Call Letters	Location	Meters	Page	Call Letters	Location	Meters	Page
KEJK...	Beverly Hills, Cal.	239.9	94	KHJ...	Los Angeles	3.3.1	80
KELW...	Burbank, Cal.	384.4	88	KHQ...	Spokane	508.2	118
KEX...	Portland	254.1	110	KJR...	Seattle	309.1	116
KFI...	Los Angeles	468.5	78	KMIC...	Inglewood, Cal.	267.7	90
KFOA...	Seattle	236.1	116	KMO...	Tacoma	254.1	114
KFON...	Long Beach	239.9	94	KMTR...	Hollywood	526	84
KFQZ...	Los Angeles	353.7	90	KNX...	Hollywood	285.5	82
KFRC...	San Francisco	491.5	104	KOA...	Denver	361.2	124
KFSD...	San Diego	499.7	98	KOIN...	Portland	319	112
KFSG...	Los Angeles	267.7	106	KOMO...	Seattle	325.9	114
KFVD...	Culver City, Cal.	428.3	98	KPCB...	Seattle	247.8	120
KFWB...	Hollywood	315.6	86	KPLA...	Los Angeles	526	84
KFWC...	Pomona, Cal.	249.9	92	KQW...	San Jose	296.9	110
KFWI...	San Francisco	322.4	108	KTAB...	Oakland, Cal.	234.2	106
KGA...	Spokane	204	120	KTM...	Santa Monica	384.4	88
KGER...	Long Beach	218.8	96	KPO...	San Francisco	440.9	100
KGFH...	Glendale, Cal.	299.8	86	KWTC...	Santa Ana	199.9	100
KGFJ...	Los Angeles	211.1	92	KXO...	El Centro, Cal.	249.4	124
KGO...	Oakland	379.5	102	KYA...	San Francisco	243.8	108
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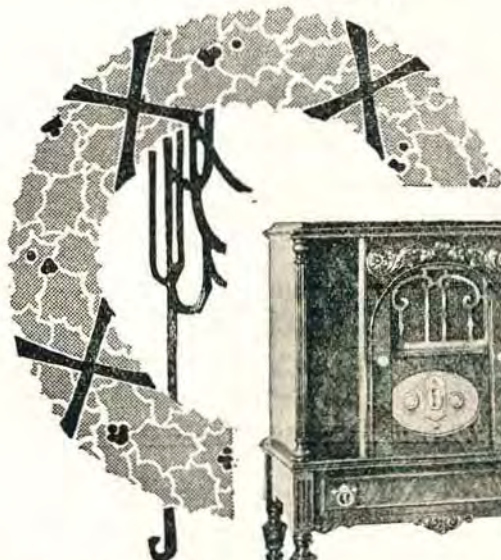




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