The New
CROSLEY JEWELBOX

WITH TUBES $131.00  $104.50 With Tubes and Speaker $147.50

WITHOUT TUBES

Put the Jewelbox to any test—try it with any other set—learn what radio reception can be! Note how easy it is to break through any surrounding wall of local stations and bring in distant programs quickly, clearly and with full volume.

Be sure to test the Jewelbox with the new De Luxe Musicone that you may fully realize how far radio has progressed.

Your Nearest Crosley Dealer Will
Gladly Arrange a Demonstration

Exclusive California Distributors

KIERULFF & RAVENSCROFT
RADIO EQUIPMENT

1630.32  121.131
S. Los Angeles St. Ninth Street
LOS ANGELES  SAN FRANCISCO
AC Operation, Quality and Moderate Price Are All Embodied in the

CROSLEY

JEWELBOX RECEIVER

Here are just a few of the many Franchised Dealers who will gladly demonstrate the Crosley Jewelbox for you:

**LOS ANGELES**

**Downtown**
Figueroa Radio Shop
937 W. Seventh St.
TUcker 7031

**South**
De Hoog Brothers
6120 S. Broadway
THornwall 0224
Wilkins Radio Mfg. Co.
5311 S. Broadway
AXridge 0827

**Southeast**
Nilsson & Nelson
4320 Avalon Blvd.
HUmbolt 0827

**Southwest**
L. A. Duncan
2891 W. Pico St.
EMpire 1141
Monarch Radio Co.
Washington at Western
EMpire 3268
Osmond Radio Co.
3206 W. Washington
EMpire 2966

Robinson Radio Shop
4528 So. Western Ave.
VeRmont 6683
Wesenberg Radio Music Co.
3819 S. Western Ave.
VeRmont 7929

**Hollywood**
Glow Electric Co.
5910 Hollywood Blvd.
HOlywood 4610

Hollywood Radio Co.
709 No. Western
GLadstone 2897
Taylor Radio Co.
1451 Vista St.
GRanite 1312

**Lincoln Heights**
One Eleven Radio
111 S. Lincoln Park
CApitol 5543

**Westlake**
Arcade Radio Studio
743 1/4 S. Alvarado
DRexel 6859

**CULVER CITY**
Culver City Radio Electric Co.
6716 Washington Blvd.
Culver City 3490

**EL MONTE**
H. T. Allen
209 West Main St.
El Monte 306

**GLENDALE**
Shuck Music Co.
211 N. Brand Blvd.
Glendale 2329

**LONG BEACH**
John J. Sawyer
543 E. Anaheim St.
Long Beach 636-235

**PASADENA**
Service Radio Shop
1164 E. Colorado
Terrace 7777 and 7908

**PASADENA. LAMANDA PARK**
Nazarian's Radio Shop
2480 E. Colorado
Colorado 5992

**PUENTE**
Puente Hardware Co.
115 Main St.
Puente 555-51

"You're there with a Crosley"
Shielded Grid Selectivity

AT LAST!

Selectivity: the Only Thing That Has Been Lacking in Shielded Grid Sets, is Maintained in the

HAMMARLUND-ROBERTS HI-Q SHIELDED GRID SIX

Through their special adjustable antenna coupling and the use of a standard "A" tube in the third RF stage with standard RF transformer coupling to the detector circuit.

SELECTIVITY—and still the utmost in sensitivity and the finest of tone quality.

Distributed By

LOS ANGELES
Yale Radio Electric Co.
C. C. Lawton Co.
Radio Supply Co.
SANTA ANA
Williams & Kientz
SAN DIEGO
Sunset Electric Co.
Coast Electric Co.

SAN FRANCISCO
United Radio Supplies Co.
Coast Radio Supply
Frederic H. Thompson
OAKLAND
Gilson Electric Supply Co.
Roose M. Gilson
SACRAMENTO
Kimball-Upson Co.

Factory Representatives

HENGER-SELTZER COMPANY

711 East 14th Street
LOS ANGELES

377 Brannan Street
SAN FRANCISCO

WEstmore 5258
ANOTHER STORM BREWING

When Congress passed the new radio law, those who had been hoping for peace in the radio industry thought the storm was over. But now it is indicated that in the background a new and bigger storm may be brewing.

The first signs of this were noticed when, although the main question that was up was that of broadcasting, the debate in both houses covered a lot of territory only remotely connected with broadcasting.

Much oratory was spilled into the Congressional Record about the dangers of "monopoly" in radio, and this monopoly charge was not confined at all to the broadcasting field. It wandered off into manufacturing and the general field of wireless communication, so that when the sessions were over it was found that there had been a lot of sensational charges about what came to be called the "radio trust."

OTHER SIDE OF MONOPOLY CASE TO BE HEARD

It is probable that hearings will be begun about April 2nd on the testimony which is to be put into the record as the answer of the Radio Corporation of America and others to the radio monopoly charges pending before the Federal Trade Commission. These hearings will be held at the New York office of the commission, at 45 Broadway. They will last for some months, at least. It took the commission several years to present its side of this case.

In this connection it is interesting to note that the Radio Corporation is having all of the testimony, together with the exhibits in the case, printed. This will make a volume of more than 6000 printed pages. This is the first time in the history of the Federal Trade Commission that such hearings have been printed. It is being done by the corporation and not by the commission. The formal complaint was issued, and this case began in January, 1924.

NEW COMMISSIONER IS GOOD LISTENER

An outstanding impression of Judge Ira E. Robinson of West Virginia, the new radio commissioner appointed by President Coolidge to succeed the late Rear Admiral Bullard, is that he is a good listener, both on and off the air.

A lawyer, and admittedly not a technical radio expert, Judge Robinson refused to be drawn into any discussion of policies or even to express an opinion as to the present status of the broadcasting tangle. It did develop, however, that, though a sparse conversationalist, he is quite a listener and takes considerably more than passing interest in the subject.

THE GHOST WALKS FINALLY

All the difference of a man working on a full stomach as against one who has not had his dinner and is under-nourished may hereafter be noted in the efforts of Radio Commissioners Caldwell, Pickard and Lafount who have been working without pay for many months but with their confirmation will receive their salary checks regularly like the rest of the Government employees.

Commissioner Caldwell in fact has been working along since February 3, 1927, without knowing the joys of a pay day so will have more than $10,000 coming to him.

COMPLETE TABLE OF CONTENTS AND DIRECTORY OF PROGRAMS ON PAGE 78.
The RADIO SUPPLY CO.

"The Parts Warehouse of the West"

Is ready to fill your requirements for Parts. Our Stock is complete and adequate at all times

Watch This List of Parts for Changes

Alco Loops
Acme Apparatus
Acme Wire
Advance Crystals
Aero-Products
Aerox Wireless Products
Allen Mfg. Co. Parts
All-American Products
Amertron Products
Amperites
Ameco Condensers
Arteco Coils
Baldwin Units
Ballkite Charges, Etc.
Benjamin Elec. Mfg. Co. Products
Bodine Loops & Coils
Brandes Phones
Branston Honeycomb Coils
Brenner-Tully Products
Brewster Coils
Bruno Coils
Camfield Coils
Carborundum Products
Cardwell Condensers
Carter Products
Cc C tubes
Celcotron Panels
C R L Var High Resistance
Chicago Kester Solder
Clarostat
Corning Pyrex
Crecent Transformers
Dawson Radio Parts
Dejur Rheostats
Deluxe Products
Dictograph Speakers
Dubilier Condenser Corp.
Dudlo Mfg. Co. Wire
Dunham Loops
Ely Binding Posts
Ekko Ground Clamps
Elkon Chargers
Essene Ball Aerial
Fomica Insulation Co.
Franco B Batteries
Electrad Products
Frost Products
General Radio Parts
Genwyn Coils
Goodrich Rubber Panels
Gouldco Wire
HFL Transformers
Hammarlund Products
Handy Chargers
Harkness Kits
Hedgehog Transformers
H-K Solledript Lugs
Hoosick Parts
Infrodyne Parts
Jefferson Products
Jones Cables
Karas Products
Kelbrackets
Kellogg Parts
Kodel Products
Kurz-Ksch Dial and Knobs
Kuprox Chargers
Lynch Leaks
Madison Moore Units
Magnafomer Units
Marco Products
Mignon S. L. F. Cord
Musler Universal Clips
Mountford Resistance
Naidl Parts
National Soldering Irons
National Co. Parts
Polymet Condensers
Preston DX Ground
QRS Tubes
Racon Horns
Radiall Co. Amperites
Rauland Lyric
Transformers
Raytheon Tubes
REL Apparatus
Remler Products
Samson Transformers
Sangamo Condensers
Scranton Hydrometers
Selectone Transformers
Sensory Insulators
Silver Marshall Products
Sovereign AC Tubes
Spaulding Bakelite
Steinite Eliminators
Sterling Meters and Testers
Svensens Tools
Thordarson Transformers
Tobe Condensers
Tom Mack Products
Tower Speakers
Trimm Cone Speakers
Tyrman Parts
Universal Battery Clips
Utah Units
Vesta Power Units
Victoreen Parts
Ward Leonard Products
Wesholly Ground and Aerial
Weston Products
Webco Power Units
Willard Batteries
X. L. Variocondensers
Yaxley Products

DEALERS: Park Next Door at Our Expense

RADIO SUPPLY CO.

WHOLESALE
912-914 S. Broadway
VA. 6063

Los Angeles

New 1928 Catalogue Now Ready—Send for It

Largest Radio Parts Jobber West of Chicago

TAKEN "ALL AROUND"

We Have a Good Stock of Radio Parts

For You to Look Over

RADIO SUPPLY CO.

WHOLESALE
912-914 S. Broadway
VA. 6063

Los Angeles

NEW 1928 CATALOGUE NOW READY—MAILED ON REQUEST

Largest Radio Parts Jobber West of Chicago
The Aristocrat New AC Model 80

Speaker Units

Dynamic 80—AC Operated
Type R-5
110 volts to be built in power amplifier.
Type R-4
Operating from the "A" battery of your set or from 6-volt trickle charger.

A Complete Line of All Models on Hand
Immediate Deliveries

Wholesale Distributors

C. C. LAWTON CO.
1125 Wall St. WEstmore 3960 Los Angeles
Commission Makes Changes in West and South

The Federal Radio Commission has licensed four Western Coast stations previously authorized to construct and has issued a permit for a new five-watt station in Montana; changes of frequency were ordered for 13 stations in the South and West; power increases were authorized for 3 stations. These changes were authorized to take effect April 1, 1928.

The five stations licensed are:
KEJK—Beverly Hills, Calif., 250 watts.
KFWB—Hollywood, Calif., issued license specifying 830 kcs.,—1000 watts, unlimited time.
KOOS—Marshfield, Oregon, issued license specifying 1450 kcs., 50 watts, limited to 9 p.m.
KSTP—St. Paul (Westcott), Minn., issued license to operate on 1360 kcs., 220.4 meters, 2000 watts, unlimited.
KGHD—Missoula, Mont., issued construction permit to erect station operating on 1290 keys., 232.4 meters, with 5 watts power output daytime only (6 a.m. to 6 p.m.).

Changes in frequency were ordered for 13 stations, as follows:
KJBS—San Francisco, Calif., operating on 1360 kcs., 220.4 meters, 100 watts, sharing with KGTT, changed to 1220 keys., 245.8 meters, 100 watts, sharing with KLS.
KFQU—Holy City, Calif., operating on 1440 kcs., 208.2 meters, 100 watts, sharing with KFUS and KZM, changed to 1360 keys., 220.4 meters, 100 watts, sharing KGTT.
KRE—Berkeley, Calif., operating on 1220 keys., 245.8 meters, 100 watts, sharing with KLS, changed to 1300 keys., 230.6 meters, 100 watts, sharing—KZM.
KV L—Seattle, Wash., operating on 1450 keys., 202.6 meters, 100 watts, sharing KKP and KRSC, changed to 1100 keys., 272.6 meters, 100 watts, sharing with KKP-KRSC.
KZM—Hayward, Calif., operating on 1440 keys., 208.2 meters, 100 watts, sharing with KFUS and KFQU, changed to 1300 keys., 230.6 meters, 100 watts, sharing with KRE.
KKP—Seattle, Wash., operating on 1480 keys., 202.6 meters, 15 watts, sharing with KVL and KRSC. Changed to 1100 keys., 272.6 meters, 15 watts, sharing with KVL and KRSC.
KRSC—Seattle, Wash., operating on 1480 keys., 202.6 meters, 50 watts, sharing with KKP and KVL, changed to 1100 keys., 272.6 meters, 50 watts, sharing with KKP and KVL.

KMTR—Hollywood, Calif., operating on 570 keys., 500 watts, changed to 580 keys., 516.9 meters, 500 watts, full time.
KXA—Seattle, Wash., issued license changing frequency from 860 keys., to 560 keys., 535.4 meters, unlimited time.
KFAD—Phoenix, Ariz., operating on 1100 keys., 500 watts, changed to 930 keys., 322.4 meters, 500 watts, full time.
WOAI—San Antonio, Texas, operating on 860 keys., 5000 watts, sharing time with WBAP, changed to 1070 keys., 280.2 meters, 5000 watts power, unlimited time.
KTHS—Hot Springs, Ark., Arlington Hotel Co., operating on 780 keys., 1000 watts, full time; changed to 600 keys., 499.7 meters, 1000 watts, sharing with WBAP.
WBRC—Birmingham, Ala., Birmingham Broadcasting Co., operating on 1240 keys., 250 watts; changed to 990 keys., 302.8 meters, 250 watts.

Power increases were authorized for three Southern California stations, as follows:
WBT—Charlotte, N. C., C. C. Coddington, operating on 1160 keys., 1000 watts power. 7 a.m. to 7 p.m. and 750 watts after 7 p.m., granted an increase in power to 1000 watts, full time.
KUOA—Fayetteville, Ark., University of Arkansas, operating on 1010 keys., 500 watts, granted an increase in power output to 1000 watts.
WREC—Memphis, Tenn. Radio Station WFEC, Inc., authorized increased power to 500 watts, April 1, now operating on 1200 keys., 100 watts.

* EVENING SERVICE *

IS WHAT WE LIKE!
No matter what make of set, we'll keep her running like new!
Get On Our Monthly Inspection List
PHONE GRANITE 0874
Radio Service Shop, 8209 Santa Monica Boulevard, Los Angeles, Calif.
Announcing The Regal

"Worthy of Its Name"

No Batteries
No Chemicals
No Aerial
No Ground
No Crystal

A Quality Radio Combining

See It! Hear It! Now!
at
BROADWAY DEPT.
STORE
Sales Agents Metropolitan Area

A Practical Radio That Is Portable

"WISHES" A THING OF
THE PAST

"I wish we could take the radio along." This thought has been voiced at some time by every radio owner. Portable radios have never been satisfactory for home use, and a home radio was never portable. THE REGAL combines both features without loss of efficiency.

Tone, Selectivity and Beauty

$98.50

Absolutely Complete

OPERATES ANY TIME, ANYWHERE, ANY PLACE
ATTENTION! CLUBS, APARTMENT HOUSES,
HOTELS, HOSPITALS, Etc.

REPRESENTATIVE DEALERS:

Manufactured by BAKER & FITZGERALD, INC.

253 WEST SANTA BARBARA

Telephone VErmont 4194

Los Angeles, Calif.
Radio Doings

Direct Action

Common Sense says that fewer working parts and less complicated mechanism mean greater efficiency. Advanced acoustic engineering applies the dictates of Common Sense to the radio reproducer.

The Jensen Dynamic Speaker is the result. In this instrument the coil—freely suspended in a magnetic field—is firmly attached to the cone. The vibrations of the coil are directly transmitted to and magnified by the cone. It follows that in this speaker there is attained a degree of accuracy impossible in the other types.

To this accuracy is credited the mirror-like tone fidelity which substantiates the Jensen claim: "The Finest in Radio."

JENSEN RADIO MFG. CO.
212 Ninth Street
Oakland, Calif.

Distributed in Southern California by

YALE RADIO ELECTRIC CO.
1111 Wall Street
LOS ANGELES
WESTmore 3351

THE Jensen Dynamic Speaker responds with the same beautiful fidelity to the average radio set, using a 171 tube as to the full undistorted output of 210 push-pull amplifiers. Finished in handsome burled walnut. Height 14", Width 16", Depth 12".

Type D 44 (6 volt operation) $63.00
Type D 45 (90 volt operation) 67.50
Type D 44 A.C. (110 volt operation) 73.00
Unit alone—for Radio or Phonograph installation $47.50 to $57.50

This is Number 5 of a series of advertisements explaining the differences between magnetic and dynamic types of speakers.

The Jensen Dynamic Speaker is the result of this instrument the coil—freely suspended in a magnetic field—is firmly attached to the cone. The vibrations of the coil are directly transmitted to and magnified by the cone. It follows that in this speaker there is attained a degree of accuracy impossible in the other types.

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JENSEN RADIO MFG. CO.
212 Ninth Street
Oakland, Calif.

Distributed in Southern California by

YALE RADIO ELECTRIC CO.
1111 Wall Street
LOS ANGELES
WESTmore 3351
QUESTION—Please give diagram and data for the most efficient four-tube circuit, using Uncle Sam coils, with stage of R.F. ahead of regenerative detector.
E. C., Los Angeles, Calif.

ANSWER—The diagram is given herewith. It is a very efficient little set. Of particular interest is the method of stabilization used in the R.F. stage. The primary winding of the three circuit Uncle Sam tuner (which is the plate coil of the R.F. tube), has a mid-tap which connects through a .01 fixed condenser to the lower end of the secondary of the antenna coupler. This affords relatively equal neutralization on all frequencies.

All four tubes operate through filament ballast resistors, thereby reducing the number of controls to three—the two variable condensers and the tickler. In addition to the Uncle Sam coils, Hammarlund Midline condensers are recommended, Sliver-Marshall audio transformers and National tone filter. A 112-type power tube is used in the last audio stage and the tone quality is of a high order. A Yaxley cable and plug may be used for the seven connections from the set to the batteries or power supply units.

QUESTION—I am interested in a short-wave transmitting radiophone set advertised in Radio Doings. Would some sort of a license be necessary to operate such an outfit, and where can it be obtained?
J. A., Santa Monica, Calif.

ANSWER—Yes, all transmitting stations must be licensed by the Department of Commerce. Suggest that you write to Bernard Linden, Supervisor of Radio, Custom House, San Francisco, explaining in detail just what you wish to do and he will give you complete information as to the necessary procedure.

"Uncle Sam Four"

QUESTION—In operating a shielded grid tube on a 6-volt battery, what rheostat value should be used?
A. H. M., Los Angeles, Calif.

ANSWER—Since we must drop 6 volts to 3.3 volts at the filament terminals and the filament current is to be 1.3, we find by application of Ohm's Law that a 20-ohm resistor will have a drop of 2.7 volts across its terminals, with a current of 1.3 amps. Hence, a fixed resistor of 20 ohms should be in the circuit, together with a rheostat, so that when the rheostat is cut all out, not more than 3.3 volts is applied to the filament. Would suggest a 25-ohm rheostat in series with the 20-ohm fixed resistor to afford a suitable variation.
TRADE NEWS

Abbott New Crosley Sales Manager

H. Curtiss Abbott, of Chicago, nationally known in the fields of radio and music, has accepted the position of general sales manager for The Crosley Radio Corporation.

Mr. Abbott, a Yale graduate, has had many years of experience in the radio business, and has made an enviable record in the selling end of the industry.

With the Crosley Radio Corporation, Mr. Abbott has a working organization of 166 distributors and more than 13,000 dealers, representing every community in the United States.

Mr. Abbott firmly believes that the surface has hardly been scratched in the radio field. He believes the demand for Crosley products this year will be greater than ever and is laying plans for the most successful business in its history.

"While there probably will be an ever-present demand for battery operated sets, the public is being thoroughly sold on the advantages of the one-unit sets which are operated from light sockets," Mr. Abbott, said, "and the future is very bright for this product. It has been on the market long enough to have proven its worth, and there is no reason why a company with the reputation of the Crosley Radio Corporation for manufacturing the best radio sets at the lowest possible price, should not do a tremendous business in 1928."

Let's Go!

The Radio Manufacturers' Association Trade Show and Convention, Stevens Hotel, Chicago, June 11-15! If you are in the radio business, you cannot afford to miss it. All space in the show has been sold—it will be a greater exhibition than last year. Matters of great importance to the industry are scheduled for discussion during the Convention. Arrangements have been perfected to handle 4000 guests at the great annual banquet. Better make your transportation, hotel and banquet reservations now!

An Old Business Expands

M. L. Baker and Gilbert Fitzgerald, better known as Baker & Fitzgerald, of 2603 West Fifty-fourth street, Los Angeles, have conducted for nearly four years a unique and successful radio business, manufacturing the Supreme receiver and retailing direct to the public. Without extensive advertising or publicity, grounding their efforts solely on the merits of their product and personal contacts with the customer, they have in less than four years done a gross business of $150,000.

This Spring a radically new departure in their policy is taking effect. The old Supreme line of A. C. receivers is being discontinued, and after a sale of remaining stock at the Fifty-fourth Street store, the retail business will be carried on with standard nationally-advertised lines of radio sets and accessories in stock.

The manufacturing end of the business, in new and enlarged quarters at 253 West Santa Barbara, will, from now on, concentrate on one new receiver model each year, under the new trademark of "Regal." After four months of experimentation, the first Regal model is now on the market. It is truly a new departure in radio, an attractive little console model (A. C. operated, of course), easy to look at and to listen to, and with the really unique feature of portability. The pedestal stand can be easily removed, leaving the cabinet of a convenient size and weight to be stowed away in the back seat of the family car for vacation or week-end trips. This feature should make a strong appeal to the public of the Pacific Slope, most of whom are lovers of the Great Out-of-Doors, and prone to take trips on the shortest notice.

Mr. Robbins of the Broadway Department Store, Los Angeles, was quick to see the merchandising possibilities of the new Regal set, and secured the exclusive downtown franchise. Other representative dealers will be appointed at strategic points throughout the West,
Steinite
ELECTRIC RADIO
(Licensed under RCA patents)

$93.50
(less tubes)

THE STEINIT ELETRIC comes to you in one complete unit — absolutely no outside attachment!

No unsightly wiring or cables — no intermediate power units to hide — nothing to watch or charge — no acids, liquids or chemicals! Consumes less than a penny’s worth of current an hour. Beautiful solid (not veneer) Philippine Mahogany cabinets, Duco finished.

WHY BUY AN UNTRIED electric set, when you can buy the time-tested STEINITE ELECTRIC at its amazingly low price? STEINITE Electrics have given millions of hours of satisfactory performance in 50,000 American homes — they were introduced as far back as the 1926 Radio Shows!

Wholesale Distributors
NATIONAL RADIO & SUPPLY CO.
141-43 W. Washington WEStmore 2748 Los Angeles

Radio Doings
April 14

The Greatest Radio Sensation of 1928!

This remarkable receiver can be heard at any of these dealers. Go to one of them TODAY — there is one in your vicinity. Examine it closely — then BUY — safe in the realization that you have invested wisely:

LOS ANGELES
The Starr Piano Co. Downtown Headquarters
630 S. Hill St. TRinity 3905
Potter Radio Sales Co.
1817 W. 54th St. VErmont 1210
E. E. Tompkins
(S.P. Watch Inspector)
2635 Dayton Ave. CAPitol 2952
Automatic Radios
1605 W. 9th St. DUnkirk 4091
Radio Exchange and Service Co.
4211 S. Broadway AXridge 6652
LONG BEACH
Seaside Electric Co.
63 S. Magnolia Phone: 675-263

INGLEWOOD
Reliable Radio Sales & Service
114 N. Market St. Phone: 993

POMONA
No Battery Radio Co.
223 N. Geyr Phone: 1245

SAN FERNANDO
1040 Porter Ave. Main 11

VENICE
All Electric Radio Shop
1029 Washington Blvd.
(opp. Martha Washington School) Phone 644-10

Radio Glen
5203 E. 2nd St. Phone 343-230
Kelm Radio Co.
147 E. 4th St. (N.W. Cor. 4th and Locust) Phone 610-329

GARDEN and TORRANCE
Gardner Music Co.
1601 Gramercy Phone: 312-J

NATIONAL RADIO & SUPPLY CO.
141-43 W. Washington WESTmore 2748 Los Angeles
**MAGNAVOX**

**NEW 110 A. C.**

The Aristocrat New AC Model 80
$85.00

Distributed by

**Splitdorf Bethlehem Co.**
727 Venice Blvd.
Los Angeles

**MAGNAVOX**

**DYNAMIC SPEAKERS**

Speaker Units Dynamic 80
$50.00

Distributed by

**Splitdorf Bethlehem Co.**
727 Venice Blvd.
Los Angeles

San Francisco
MAGNAVOX DYNAMIC

POWER SPEAKERS

Make Your Radio Set a Musical Instrument

Modernize Your Present Phonograph

The principle employed in this type of Speaker is as far ahead of the old type Speakers as the modern automobile is ahead of the horse and buggy.

You will enjoy your radio set or phonograph as never before.

This Speaker can be installed in your present radio or phonograph, giving you the last word in quality.

Magnavox Dynamic Cone Speakers will reproduce accurately without distortion, radio speech or music delivered to them through your radio set or phonograph.

MAGNAVOX DYNAMIC SPEAKERS

Wholesale Distributors

LEO J. MEYBERG COMPANY

WEstmore 9255 1022 So. Wall St. Los Angeles, Calif.
Left—John Meehan, known as the second John McCormack, comes to KNX after two years of broadcasting over KYW, Chicago. Although Mr. Meehan’s repertoire includes selections from opera to jazz, he is best known for his Irish songs and ballads. Mr. Meehan is now broadcasting exclusively from KNX.

Above—The Zoellner Quartet have been twenty-four years before the public without a change in the personnel. During their eight years in Europe, they gave over two thousand concerts. The Quartet broadcasted over KJH for two years, and are now being heard over KNRC every Tuesday and Saturday night, from 9 to 10. The personnel is: Antoinette Zoellner, violin; Amandus Zoellner, violin; Joseph Zoellner, Sr., viola; and Joseph Zoellner, Jr., violincello.
American Radio All-Electric Set

The illustration is that of the new and very compact all-electric five-tube set developed and marketed by the American Radio Company, Los Angeles. Everything—power supply units, radio receiver, and loud speaker—is enclosed in the one cabinet. This feature, together with the one-dial control, makes the set attractive for those who desire simplicity and want to enjoy the entertainment afforded by radio with the least expense and bother.

The radio frequency tuned stages are ganged on one dial, and the detector is an A. C. tube of the heater type. The "B" power supply unit employs a gaseous rectifier tube and also furnishes C biasing voltages. The loud speaker is of the air-column type and delivers a surprising tone quality for its very compact size.

The selectivity of the receiver is all that could be desired. Operating downtown in close proximity to five stations, all local stations were separated without difficulty. In operation, the main dial selects the station and the small knob above the dial regulates the volume. The off and on switch is located at one end of the cabinet.

The unusual degree of selectivity is obtained through very careful matching of coils and condensers and in the initial ganging adjustments. Selectivity is the feature which is usually lacking in a set of this type, but the American has successfully maintained it to a high degree.

Antenna and ground connections are required, the aerial dimensions depending upon location and varying from 40 to 100 feet.

Dial strips of American All-Electric with actual logging of local stations.
What ONE CeCo Tube Did

UNITED STATES DEPARTMENT OF AGRICULTURE
FOREST SERVICE
MODOC NATIONAL FOREST
ALTURAS, CALIFORNIA

March 28, 1928.

Gentlemen:
The CeCo Type II detector tube arrived O. K., and it is surely a wow.

We have had poor DX weather, so have not had an opportunity to give it a fair test for DX. It sure brings out the locals and makes the old set stand up on its hind legs and strut its stuff!

Very truly yours,

GEORGE W. LYONS.

DON'T BE "SWITCHED" DEMAND CeCo TUBES

Factory Representatives

B. KRUGER & CO.
500 N. Huntley Drive, West Hollywood
Phone OX. 3897 Sherman P. O.
SAVE $100

Compare the NEW
ARBOR-PHONE
Using NEW AC Tubes
With Any Radio Priced
$100 Above It

Here's What You'll Find

The amazing ability of the new Arbor-Phone to bring in realistic reception on both long and short wave lengths is accomplished by the marvelous Loftin-White circuit. Operates with equal distinctiveness at every point on the dial — an unequalled feature.

Most Natural Reception.
By using two power tubes, lowest base and highest treble are faithfully reproduced with life-like realism heretofore unknown.

All-Electric Set.
The new Arbor-Phone is an all-electric set. Simply plug into light socket. No batteries, acids or eliminators.

Distinctive Models.
Distinctive walnut table cabinets.
Also a wide variety of beautiful consoles. Harmonize perfectly with your furnishings.

Watch-like Construction.
Simplicity of watch-like construction insures trouble-free performance. Finest materials and engineering skill mean fewer parts and less wiring in this set. Thus the new Arbor-Phone assures you trouble-free performance month after month.

Ask your dealer to let you operate this set yourself. If your dealer does not carry this set, come to us for a demonstration. Log it far and near, station by station. Compare it with other sets priced $100 above to prove its superiority. Try it in your own home. Then you will appreciate the new joy this set brings to radio reception and the worthwhile saving it gives you.

Write for full information. Address

A. F. Joffey Co.
RADIO ACCESSORY JOBBER

Distributors for Southern California
1145 Wall Street
Phone WE. 8772
FIRST PRIZE

DX Club:
I have been reading over the DX page in your little red magazine for quite some time and have finally decided to send in my log, which includes some of the hard ones.

My furthest ones being 2BL, 2YA, 2FC, 3LO and 5CL, JOCK; for some of the closer ones I have 3XN, PWX, CKWX, CFCQ, CFRB, CNRV, KDA, KOLR, KDLY, KEX, KFAB, KFAD, KFAU, KFBU, KFQB, KGA, KGRS, KGW, KHQ, KJ, KMA, KOB, KMOX, KOA, KOIL, KOIN, KOMO, KSEI, KSL, KTHS, WSRI, WLV, KVOO, WBAP, KWKH, WAAW, WBBM, WDAO, WAFI, WGIS, WGIN, WJIB, WRR, WHO, WJBT, WOC, WOWO, WSM, WNAX, WJZ, WJAZ. In addition to the above, I have received 37 California stations. Have verifications for most of the distant ones. Will send them if you so desire.

G. VANDEKAMP,
U. S. Naval Training Station,
San Diego, Calif.,
Radio Material School.

DX Club:
I enjoy reading your Radio Doings. Am using a Zenith Radio, Model 7. I have received all stations on the loud speaker. During the past month I have listened to the following:

WBBM, WCCO, KWKH, WGN, WBAP, KMOX, WJIB, WJBT, KMA, WIBO, PWX, KDKA, CNRV, KYW, WLV, WOAI, 3XN, WOS, KMMJ, WJAZ, KFCB, WENR, WLS, WSM, KOIL, CYJ, WFIW, KRLD, CJGX, WTAM, KFDM, WSUI, WDI, KFIZ, WDAG, WBT, KDLY, WSRI, WJID, CZE, KWWG, CZF, WRR, WHO, WTAW, WBEH, WJR, WOC, WCBR, WQT, WGY, KSEI, WFLA, WWJ, KFAU, KFQB, KOW, KVRM, WJZ, WSM, KTHS, KFAB, WJAD, WPA, CFCQ, CKWX, CKCD, KOCW, KFBU, KTSA, WREN, CFCQ, WCX, 9GW, WHB, KCW, WIL, KMO, CFCN, KTNT, WRV, WDAE, WOK, and KFKA. I am not including Pacific coast stations. I am receiving new stations every night, about four and five.

GEORGE FARQUHAR,
Box 76,
Ojai, Calif.

DX Club:
I haven't noticed any letters to your DX Club from women, but here I come with my list. Have had my Crosley Band Box, 7-tube set just one month the 15th of this month and here is what I have received: Thirty-eight California stations, 8 Utah and Colorado stations, 14 Washington and Oregon stations, and this following list of DX stations; most all are verified or verification on way:

KFUM, KMA, KTHS, KSEI, KWKH, KNRV, KMMJ, KFKU, KGER, KFBU, KOB, KWWG, KVOO, KGEH, KFBK, KFCB, KGEZ, KMED, KFAB, KMOX, KTAO, KFAU, WRR, WMW, WNAX, WREN, WAGM, WOC, WTAD, WMAQ, WTAM, WOAI, WBBM, WBAP, WCCO, WGN, WFAA, WBCN, WHO, CKCL, CFCQ, CKWX, CJEA, CNRE, CFYC, CKUA, CKGW, CJOR, 3XN, 6XJ.

I also tuned in on a station just as they were signing off and I got the call letter KFQD, but didn't hear any of the program. All came in clear with the exception of KGER and WAGM, KGEZ. I think this is a very good list of stations for the time I have had my set. Am hoping to pick up China and Australia one of these mornings.

Very truly yours,

MRS. MABEL LUTGENS,
1151 Surprise Valley Rd., Reno, Nev.

Through the courtesy of the C. E. Manufacturing Company of Providence, Rhode Island, Radio Doings offers as a prize for the best letter to the DX Club one of the famous CCO type "F" Special Detectors. This tube is especially suitable for DX work, as it is a highly sensitive "hard" detector without background noise. And remember, it is not always the big expensive set with the longest list of DX that wins the prize—everybody has a chance.

BT Counterphase 8—World's Greatest Radio—Sold with a Distance Guarantee. H. A. Everest, 1032 North Ogden Dr. GGranite 9915.
## Frequency Channel Listing

250 Watts and Up—Corrected to March 30, 1928

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## Frequency Channel Listing--Cont.

250 Watts and Up—Corrected to March 30, 1928

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**AN OLD-TIMER MOVES**

The Brode Electric Company, located for the past 28 years at 116 East Third Street (and immediate vicinity), Los Angeles, is finally "pulling stakes" and moving into larger quarters at 222 South Spring Street. Mr. A. W. Brode, the genial proprietor, can tell many a tale of the "good old days" when the Mason Opera House was the latest world wonder, and Seventh and Broadway was out in the country! Mr. Brode's many friends in the trade and among radio fans will wish him continued success in his new location.

The Los Angeles Soap concerts, broadcast each Wednesday evening at 8 o'clock, over the Northwest Network and originating in the studios of KGW, are conceded to be unique examples of program construction. The programs are of light opera and musical comedy type.
KHJ offers an interesting hour Sunday, April 15, from 1 to 2, when Dad Richards, one of the few people still living who saw Lincoln assassinated, will tell the story.

Monday night, from 12 to 2, is Frolic Night at KEJK, featuring a "What Have You" program.

Miss Lucy Day, an exclusive KNRC artist, will give a program of French Music and songs from this station, Wednesday, April 18, from 9 to 10 p.m.

Dean Metcalf, formerly announcer at KFI, is now the daytime announcer at KMTR.

The Diana Music Master, a twelve-piece jazz orchestra, is now a daily feature from KFQZ, from 6:30 to 7:30 p.m.

On Monday evening, April 16, at 7:15, KOA will broadcast a program of Negro Spirituals, sung by a negro choir.

Music of merit from France, some of which has not been heard in this country, will be played by the Parisian Quartette during their program on April 20th, from 6:30 to 7:30, over KGO.

Earle Burtnett’s Biltmore Orchestra will be featured over KHJ every night except Sunday, from 10 to 12 p.m.

Through the medium of Radio, the Alumni of the University of Southern California all over the United States, will be able to enjoy the U. S. C. Alumni dinner to be given April 24th at the Biltmore hotel. KHJ will broadcast the entire program, consisting of Trojan songs, yells and speeches.

The Federal Ortho-Sonic Hour is one of the outstanding features at KFWB every Thursday evening at 7 p.m.

KMO, Tacoma, and KGY have each installed one of the Preston Broadcast Grounds. With this positive ground they expect to have their programs heard at a greater distance.

Two organ programs are now being broadcast daily from KNRC: One at 1 o'clock, a classical and semi-classical program, and the second at 5:45, which is a request hour.

Craig Leich, a Victor Recording artist, whom many of the radio fans will remember as being the feature soloist of Henry Holstead’s band, will sing Tuesday night at KFQZ.

Mr. Walter McCready, formerly manager of KGJ, is at present conducting a classified hour, from 12 to 1, over this station. This luncheon hour program features the Elite Girls singing and a violin and piano duo.

KMTR is now featuring Melba Allen, a colored pianist and vocalist, who enjoys the reputation of being one of the “hottest” entertainers of her kind. She will be featured on a program Tuesday, from 7 to 7:30.

The male quartette from the Ohio University School of Music that is touring the country under the direction of Clarence C. Robinson, will give a half-hour program from KFI on April 16, from 9 to 9:30.

Every Thursday, from 5:30 to 6 p.m., KPO broadcasts a program of International News. This is a weekly summary of the World’s News Topics.

On Tuesday evening, April 17, from 9 to 10 p.m., KGW will feature an hour’s program by the Maxwell House Coffee Orchestra, with Stephen Gaylord, baritone, and Dorothy Lewis, contralto.
HUNDREDS
Are Taking Advantage of Our Sensational Speaker Special
JUST THINK—A HIGH QUALITY
SPEAKER
Is Yours for
$1
DOWN
then
$1.25 Week

We Carry the
New 24-Inch
Western Electric
(Shown on Left—Price $35.00)
New Improved Rola
Atwater Kent
Fada
AND OTHERS
Your Radio Is No Better Than Your Loudspeaker

A FEW SPECIALS
$3.00 Detector Tubes .................. 59c 99 and 201-A Tubes .................. 75c
$5.00 Brandes Superior Phones $2.10 $25.00 Kellogg Speakers .................. $4.95
Reliable Dry Cells, 3 for .............. 95c 45-volt B Batteries ................ $1.25
Output Transformers ................ $2.95 4½-volt C Batteries ................ 35c
Aerial Wire, 100 feet .................. 29c $10 Dictaphone Fono units ........ $1.95
—SHORT WAVE COIL KITS, Complete Set ......................... $4.50—

IN STOCK
Falck Claroeptors, Wesholly Grounds and Aerials, Armo Variable Condensers
Rayovac Batteries, Pilot Parts Products. New Prices

"RADIO AND ELECTRICAL"
MAIL ORDERS Established 1904
J. C. RENDLER TRinity 4281
625 SO. MAIN ST. OPP. P. E. DEPOT LOS ANGELES
Didja Ever Try It?

Now that the public is beginning to realize that there is such a thing as good radio reproduction, and have generally invested in equipment which includes good audio amplification and loud speakers that have some musical sense, they are all set to take the fullest advantage of this equipment by allowing it to serve as an electric phonograph, and thus increase the entertainment possibilities.

All that is necessary is some means of turning the phonograph record (and any old style phonograph or portable will serve the purpose), and a pick-up unit, such as the Patent Phonovox. And if your amplifier and speaker are real good, the result will be equivalent to any high-priced electric phonograph on the market.

Nearly every owner of a high grade radio receiver has an old style phonograph kicking around the house. As a general rule it is never used, because its tone quality is so terrible in comparison with the radio. But just you put a Phonovox on the old heap’s tone arm, plug into the detector socket of your set and sit back and listen!

PRESTON
Radio Ground

is an ideal underground antenna for summer radio reception. It actually eliminates static-like resistance noises and greatly improves tone qualities of your receiver.

Ask your dealer about the Preston Ground or send name and address for free descriptive folder.

UNGAR & WATSON, INC.
Manufacturers
1366 So. Figueroa St.
Los Angeles Phone WEstm. 2411
“Super-Hayes”  
By K. G. O.

In our series “A Study of Great Men in History,” we are presenting today a reproduction of the physiognomy of E. K. Hayes, taken in his youth. Senor Hayes is proprietor of the Laboratory of Radio Standards in the City of the Angels, and in that capacity has assembled, wired, and otherwise built and constructed between forty-five and fifty “Maggies.” Be it known that the term “Maggie” is affectionately applied by those so fortunate as to own one, to

E. K. Hayes

Don’t let “man-made static” that originates in motors, streets cars, telephones and electrical appliances and which comes in over the lighting wires mar your programs with blare, squeal, fry and scratch.

Now you can have clearer AC reception. Plug in a Falck Claropper between wall socket and set. The Claropper grounds and thus blocks out of the set line interference noises and radio frequency disturbances. Selectivity and distance also are improved. No changes in set. Measures only 3½ x 5½ x 2½ inches. Tested, proved. Users enthusiastic. A product of pioneer radio equipment manufacturers; $7.50 complete with cord and plug. At radio parts dealers.

Advance Electric Co.
1260 W. 2nd St.
Los Angeles, Calif.
Jobbers & Dealers: write for proposition.
ALL ELECTRIC

NO BATTERIES
CHEMICALS OR LIQUIDS
CRYSTAL DETECTORS
FUSS, MUSS, OR TROUBLE

When you have one of the NEW AMERICAN ALL-ELECTRIC SETS installed in your home. Just snap on the switch for the best in radio reception. Single dial selector brings in the station you want to hear, and no other station will interfere with your favorite program. One small knob regulates the volume as you desire.

Five Tube All Electric

Beautiful
Console
Models, Priced
Slightly Higher
May We
Demonstrate?

Come, See,
Hear This
Wonderful Set
and Don't
Forget It's
All Electric

Dealers
Are
Invited to
Write for
Details

$85

Complete
Installed.

Air Column
Speaker Used
in This Set

Don't Think of Radio Until You Have Seen and Heard
Our New Set

AMERICAN RADIO CO.

108 East Eighth Street
TUcker 6028

Los Angeles, Calif.
Open Evenings Until 8
## SUNDAY TIME TABLE

(X) Indicates Station Is On the Air

### SOUTHERN CALIFORNIA

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### NORTHERN CALIFORNIA AND WESTERN STATES

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**SOUTHERN CALIFORNIA**

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### SOUTHERN CALIFORNIA

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### NORTHERN CALIFORNIA AND WESTERN STATES

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### EASTERN AND MIDDLE WESTERN STATES

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## SOUTHERN CALIFORNIA

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## NORTHERN CALIFORNIA AND WESTERN STATES

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## EASTERN AND MIDDLE WESTERN STATES

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**NORTHERN CALIFORNIA AND WESTERN STATES**

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**EASTERN AND MIDDLE WESTERN STATES**

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**Radio Doings**  
*April 14*

*(X) Indicates Station Is On the Air*

**ADJUSTED TO PACIFIC TIME**

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#### SOUTHERN CALIFORNIA

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#### NORTHERN CALIFORNIA AND WESTERN STATES

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### NORTHERN CALIFORNIA AND WESTERN STATES

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<td>XIKSL 990, 306, 1000 Salt Lake City</td>
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</table>
Mr. Radio Dealer:

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SETS—PARTS—KITS—ACCESSORIES—RADIO FURNITURE—POWER DEVICES

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Program Director
Jennings Pierce
Chief Announcer

DAILY
9:00 p.m. — Time broadcast.
10:00 p.m. — The Tocadore's Dance Orch.
cept Monday.

SUNDAY, APRIL 15
10:00 p.m. — Gold Strand Group in a pro-
gram combining classic melodies with
more modern harmonies. Dorothy Talbot,
soprano, and Gwynn Jones, tenor.
Broadcast over KHQ, KOMO, KFOA, KGO,
KPO and KFI.
3:00 p.m. — Sunday afternoon concert.
Broadcast over KHQ, KOMO, KGW, KGO and
KFI.
4:30 p.m. — Great Moments in History will
tell the colorful story of Thomas Jefferson,
beginning when he was 31 years old.
Broadcast over KHQ, KOMO, KGW and
KFI.

MONDAY, APRIL 16
8:00 p.m. — Rudy Seiger's Shell Symphonists
Broadcast over KHQ, KOMO, KFOA,
KGW, KGO, KPO and KFI.
9:00 p.m. — The Rounders will open their
program with the big song from "Hit the
Deck," "Hallelujah.
Broadcast over KHQ, KOMO, KGW, KGO and
KPO.
9:30 p.m. — Flisek "Time to Retire" Boys
singing an unusually entertaining group
of numbers.
Broadcast over KHQ, KOMO, KFOA,
KGW, KGO, KPO and KFI.

TUESDAY, APRIL 17
10:30 a.m. — Johnson Travoleague. The John-
on Twins will fly over Austin today and
give their interesting account of what
they see.
Broadcast over KGW, KGO, KPO and KFI.
11:00 a.m. — Royal Baking Powder Menu
Hints, with Ruth Baker.
Broadcast over KHQ, KOMO, KFOA,
KGW, KGO, KPO and KFI.
6:30 p.m. — Memory Lane presents Indian-
apolis as it was 20 years ago when
Kissel's Garden on the banks of Fall
Creek was the Sunday afternoon rendez-
vous of the German citizens.
Broadcast over KHQ, KOMO and KGO.
8:00 p.m. — Eveready Salon Orchestra.
Broadcast over KHQ, KOMO, KFOA, KGO,
KGW, KPO and KFI.
8:30 p.m. — Don Amaio will relate another
one of his fascinating tales.
Broadcast over KHQ, KOMO, KFOA,
KGW, KPO and KFI.

WEDNESDAY, APRIL 18
8:30 p.m. — Musical Fruit Cocktail by the
Sunkist Melodists.
Broadcast over KHQ, KOMO, KFOA,
KGW, KPO and KFI.
9:00 p.m. — "Jack and Ethyl, the Motor
Mates," will tell about their honeymoon
tour which is taking them throughout
Washington, Oregon and California.
Broadcast over KOMO, KFOA, KGW,
KPO and KFI.
8:30 p.m. — Royal Ambassadors will pre-
sent a gala program.
Broadcast over KHQ, KOMO, KFOA,
KGW, KPO and KFI.

THURSDAY, APRIL 19
8:00 p.m. — Calpet Hour, presenting "The
Gondoliers," Gilbert & Sullivan's comic
opera.
Broadcast over KHQ, KOMO, KFOA,
KGW, KPO and KFI.
9:00 p.m. — Dodge Broth,ers Presentation.
Broadcast over KHQ, KOMO, KFOA,
KGW, KPO and KFI.
9:30 p.m. — Moon Magic weaves its usual
magic spell under the limpid rays of the
moon.
Broadcast over KHQ, KOMO, KFOA,
KGW.
10:00 p.m. — Los Angeles Studio Program
offers rare entertainment. Eva Olivintti,
prima donna, will sing a group of Italian
folk songs. James Burroughs, tenor.
Broadcast over KOMO, KFOA, KGW, KGO,
and KFI.

FRIDAY, APRIL 20
8:00 p.m. — Wrigley Review. Wrigley presents
the weekly gala parade of Wrigley Spearmen.
Broadcast over KHQ, KOMO, KFOA,
KGW, KPO, KPO and KFI.
9:00 p.m. — White Rock concert with Gail
Taylor, soprano.
Broadcast over KOMO, KFOA, KGW,
KGO, KPO and KFI.
9:30 p.m. — Relent Tales. "Conscience in
Art" by O. Henry, will be presented by
the National Players under direction of
Willa Wilson Church.
Broadcast over KOMO, KHQ, KFOA,
KGW and KGO.

SATURDAY, APRIL 21
8:00 p.m. — RCA Hour presenting its pro-
gram of music and a talk by Henry M.
Hyde, who will talk on "Jupiter, the
Giant World." The orchestra will follow.
Broadcast over KHQ, KOMO, KFOA,
KGW, KGO, KPO and KFI.
9:00 p.m. — Philco Hour presenting a pro-
gram of diversified musical numbers.
Broadcast over KHQ, KOMO, KFOA,
KGW, KGO, KPO and KFI.

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DAILY EXCEPT SUNDAY—
11:15 a.m.—Sylvia's Happy Hour (except Tues., Thurs., Sat.).
Studio Program (except Mon. and Tues.).
12:10 p.m.—Federal and State Market Reports, except Thursday.
12:15 p.m.—U. C. and U. S. Dept. of Agrl Talks, except Thursday.
5:00 p.m.—Big Brother Bob (except Saturday).
6:30 p.m.—White King Soap Mar. Quartet Dinner Hour, ex. Wed.
10:00 p.m.—N. B. C. Dance Music over F. C. N., except Mon., Sat.

ROBERT HURD
SUNDAY, APRIL 15
10:00 a.m.—Church Federation Services.
1:00 p.m.—N. B. C.—American Fabric Co.
3:00 p.m.—Musical Program.
4:30 p.m.—Great Moments of History.
5:00 p.m.—Glen Edmuns Collegians—Edna Cook, soloist.
6:00 p.m.—Pasquin and Harris.
6:30 p.m.—N. B. C.—Standard Oil Company.
7:30 p.m.—Father Ricard's Weather Forecast.
7:32 p.m.—Varlettes—Gene Johnston.
8:00 p.m.— Aeolian Recital. Alex Reilly.
9:00 p.m.—N. B. C.—Atwater Kent Co.
9:30 p.m.—Nelle Callender Mills, violinist.
10:00 p.m.—Packard Six Orchestra.
MONDAY, APRIL 16
12:00 noon—David Leavitt—Ballads.
12:45 p.m.— Jacob Markowitz, violinist.
1:00 p.m.—Melba Melting. Spanish songs.
1:15 p.m.—Talks on Traffic Violations.
2:00 p.m.—Mac Lask, ballads.
2:15 p.m.—Oscar Grofenstein, zither.
2:30 p.m.—Edla Laurence, psychologist.
3:00 p.m.—Virginia McCoy, contralto.
3:45 p.m.—Walter W. Strong.
4:00 p.m.—L. A. Fire Dept. Orch.—Helen Guest.
5:30 p.m.—Mr. Dunlap. Board of Education.
5:45 p.m.—Senator Geo. W. Wright.
7:00 p.m.—KFI Symphonette—Virginia Eshbri.
8:00 p.m.—N. B. C.—Shell Program.
9:30 p.m.—N. B. C.—Fisk Tire Co. Prog.
TUESDAY, APRIL 17
10:30 a.m.—N. B. C.—Johnson & Washer Co.
11:00 a.m.—N. B. C.—Royal Baking Powder
11:15 a.m.—Georgia O. George.
11:45 a.m.—Modes & Mannequins, by "Ivar.
1:00 p.m.—Cliff Howell and Alan Raines.
1:30 p.m.—Beverly Trio.
2:30 p.m.—Mary Bell Chapman, ballads.
3:00 p.m.—Marie Lohlikar, contralto.
3:30 p.m.—Betty Thompson, contralto.
4:00 p.m.—U. S. C. Course in Music Appreciation.
4:30 p.m.—Dragon Hawaiian Trio.
5:30 p.m.—Prof. Carl S. Knopf.
5:50 p.m.—Louis DeJean, Aviation Talks.
7:00 p.m.—Nick Harris; Richard Skinner.
7:30 p.m.—Wm. MacDougal, comedian.
8:00 p.m.—N. B. C.—National Carbon Co.
8:30 p.m.—N. B. C.—American Maize.
9:00 p.m.—KFI Symphonette.
10:45 p.m.—Psychic Stories, D'Arcy Corrigan.
WEDNESDAY, APRIL 18
12:30 p.m.—Pasquin and Harris.
12:45 p.m.—Marian Boogar, ballads.
1:00 p.m.—La Mont Stetzer, baritone.
1:15 p.m.—Talks on Traffic Violations.
1:30 p.m.—L. A. Police Quartette.
2:00 p.m.—Margaret Meatheringham.*

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DAILY EXCEPT SUNDAY

8:00 a.m.—Sperry Flour Revelle Hour (ex. Sat.).
9:00 a.m.—"Have you ever heard?"
9:30 a.m.—The Story Man and his Air Castle.
10:00 a.m.—A half hour at home.
10:30 a.m.—Old-Timers' String Quartet, except Wednesday and Saturday.
12:00 noon—Earl Burtnett's Los Angeles Biltmore Hotel Orchestra.
12:30 p.m.—L. A. Times World Wide News.
1:30 p.m.—Charlie Wellman's program.
2:00 p.m.—Celeste Ryus. "Musical Appreciation" (ex. Mon.).
3:00 p.m.—Matinee Melody Masters.
5:00 p.m.—Sunset musical (except Mon.).
6:00 p.m.—Nightly Doings.
6:15 p.m.—Fitzgerald's Orthophonic and Ampico Concert (ex. Thurs.).
6:45 p.m.—L. A. Times World Wide News.
10:00 p.m.—Time signals, courtesy So. Pac.
10:00 p.m.—Earl Burtnett's Biltmore Orch. (ex. Sat.).

SUNDAY, APRIL 15

9:30 a.m.—KHJ Concert Ensemble.
10:30 a.m.—First M. E. Church.
12:30 p.m.—Half hour of late records.
1:00 p.m.—The Viennese Quintet.
4:00 p.m.—Concert Ensemble and soloist.
5:00 p.m.—Twilight Musical.
6:00 p.m.—Nightly Doings.
6:15 p.m.—Orthophonic and Knabe Ampico Program.
6:45 p.m.—World Wide News.
7:00 p.m.—First M. E. Church.
8:00 p.m.—KHJ Concert Orchestra.
9:00 p.m.—KHJ Concert Ensemble.
10:00 p.m.—Flamenco Seziet.
11:00 p.m.—Dance Orch. and Time Signals.

MONDAY, APRIL 16

2:00 p.m.—Elvin Allman's Surprise pkg.
4:00 p.m.—C. W. H. Smith, Traffic Dept., Western Air Express.
4:15 p.m.—M. S. Benesh, Sheriff's Office.
4:30 p.m.—Talk on "Child Psychology."
5:00 p.m.—Pacific States Savings & Loan Company Program.
7:00 p.m.—KHJ Symphonic Band.
8:00 p.m.—KHJ Concert Orchestra.
9:00 p.m.—Sun Dodgers.

TUESDAY, APRIL 17

4:00 p.m.—Dr. Frank McCoy's talk on "Health."
4:15 p.m.—Speaker.
4:30 p.m.—"Jewish Literature and History."
7:00 p.m.—L. A. Police Dept.
7:30 p.m.—Winslow B. Felix Chevrolet Orch.
8:00 p.m.—Maxwell House Coffee Orchestra.
9:00 p.m.—KHJ Mixed Quartet Orchestra.

WEDNESDAY, APRIL 18

2:30 p.m.—L. A. Public Library.
4:00 p.m.—Fred C. McNabb, Garden Talk.
7:00 p.m.—KHJ Symphonic Band.
8:00 p.m.—Pacific States Savings and Loan Company Program.
9:00 p.m.—KHJ Concert Orchestra.

THURSDAY, APRIL 19

2:30 p.m.—KHJ Concert soloists.
4:00 p.m.—Dr. Phillip M. Lovell.
4:30 p.m.—Florence Dobinson.
7:00 p.m.—Cadillac-La Salle Concert Eight.
8:00 p.m.—Cartoonist's Hour. Robert Wild- huck.
9:00 p.m.—KHJ "Orioles" and orchestra.

FRIDAY, APRIL 20

2:30 p.m.—KHJ Concert soloists.
4:00 p.m.—"Stories of American History."
4:30 p.m.—Council of International Relations.
5:45 p.m.—Auto Club of So. Calif. Orchestra.
7:00 p.m.—Elvin Allman's Surprise Package.
8:00 p.m.—KHJ Symphonic Band.
9:00 p.m.—"Echoes of the Rialto" and KHJ Mixed Quartet.

SATURDAY, APRIL 21

8:00 a.m.—Students' Music Hour.
2:30 p.m.—Art Pabst and his band.
4:00 p.m.—Rev. Albert Anderson, Talk on China.
4:00 p.m.—L. A. Playground Recreational Department.
7:00 p.m.—KHJ Movie Club.
8:00 p.m.—Continuity Program.
9:00 p.m.—KHJ Concert Orchestra.
12:00 midnight—KHJ Merry Makers—Time Signals.

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*April 14*

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500 Waltz—337 Meters—Los Angeles Evening Express  
"The Voice of Hollywood"

11:00 a.m.—Little Jean and the Town Crier.
7:00 p.m.—Carthay Circle Theatre program.
7:30 p.m.—One-act play, directed by Georgia Fifield, through the courtesy of the Overell Furniture Company.
8:00 p.m.—Log Cabins Bread Co. courtesy program.
9:00 p.m.—Feature program.
9:30 p.m.—15 minutes with Gene Leonard.
9:45 p.m.—Feature program.

**Tuesday, April 17**
11:00 a.m.—French lessons.
4:00 p.m.—Little Joyce Coad, movie actress.
7:00 p.m.—Gruman's Chinese Theater.
7:30 p.m.—Georgia O. George.
8:00 p.m.—"Tom and his mule, Hercules."
9:00 p.m.—Old Mission Laboratories of Pasadena.
9:30 p.m.—Feature program.

**Wednesday, April 18**
12:45 p.m.—Charles Weeks' courtesy program.
4:00 p.m.—Garden talk,
7:00 p.m.—Playgers' Club, conducted by Wedgwood Nover.
7:30 p.m.—Annandale Estates courtesy program.
8:00 p.m.—"Bert Butterworth and his Air-dales."
9:00 p.m.—Charles Weeks' courtesy program.

**Thursday, April 19**
11:00 a.m.—French lessons.
4:15 p.m.—Louise Johnson, reading horoscopes.
8:00 p.m.—Carthay Circle Theater.
8:15 p.m.—C. P. R.'s musical program.
8:45 p.m.—Stock market reports.
9:15 p.m.—Town Crier's Amusement Tiptops.
6:00 p.m.—Paul Finstein's KNX String Quartet.
6:30 p.m.—Josef Rosenfeld's Concert Orchestra from the Ambassador Hotel.

**Sunday, April 15**
10:00 a.m.—First Presbyterian Church.
2:00 p.m.—City Park Band musical.
4:00 p.m.—Roberts Golden State Band.
5:15 p.m.—All Souls Church.
6:00 p.m.—Talk by Ernest Holmes.
6:30 p.m.—Hollywood Unitarian Church.
7:00 p.m.—First Presbyterian Church.
8:00 p.m.—Josef Rosenfeld's Concert Orchestra from the Ambassador Hotel.
9:00 p.m.—Calvin Lubovski, master violinist; Claire Mellinno, pianist.

**Monday, April 16**
11:00 a.m.—Georgia O. George courtesy program.
2:30 p.m.—"Human Nature." William Benton.

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KMTR RADIO STATION, 1028 N. Highland Ave., Holl 3026

9:30 p.m.—Musical Program.

TUESDAY, APRIL 17

10:00 a.m.—Georgia O. George.
1:30 p.m.—KMTR Radio Press Agent Hour.
2:30 p.m.—L. A. Police Quartet.
3:00 p.m.—Parke and Melford Serogen.
7:00 p.m.—Melba Allen, vocalist & pianist.
7:30 p.m.—Overall's Furniture Company, presenting Overell KMTR Players in a one-act play directed by Edward Murphy.
8:00 p.m.—KMTR Light Operatic program, featuring Loren Powell's Little Symphony and Eva Olivotti, soprano.
9:00 p.m.—Musical Program.

WEDNESDAY, APRIL 18

12:00 noon—Mae Day Beauty Salon.
1:45 p.m.—Hollywood Chamber of Commerce program.
4:00 p.m.—Cortchay Circle Theater artists.
7:00 p.m.—The Informative Period, by Hugh Otto Knowit.
7:30 p.m.—Fraternal Brotherhood program.
8:00 p.m.—So. Cal. Edison Co. Symphonic Orchestra and Jean Chown, contralto.
9:00 p.m.—June Pursell and Ron Wilson.

THURSDAY, APRIL 19

1:30 p.m.—Parke and Melford Serogen courtesy.
4:15 p.m.—"Marriage," by Walter Brown Murray.
7:00 p.m.—Musical program.
9:00 p.m.—Courtesy program.

FRIDAY, APRIL 20

8:30 a.m.—Cordon Whitnall.
1:30 p.m.—Parke and Melford Serogen.
3:00 p.m.—Artists from "Excess Baggage."
5:30 p.m.—Talk by Eugene Biscalez of the Sheriff's Office.
7:00 p.m.—The Girl Friends Trio and others.
9:00 p.m.—Winnifred Hooke, concert pianist.
9:30 p.m.—Georgia Williams, violinist; Lilian Ariel, pianist.

SATURDAY, APRIL 21

7:00 p.m.—Songs by Tom Mitchell, baritone.
7:30 p.m.—Musical program.
9:00 p.m.—Eva Olivotti, soprano, and other artists.

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Radio Doings

April 14

KFWB

Hollywood, Calif.—830 Kc.

1000 WATTS—361.2 METERS

WARNER BROS. MOTION PICTURE STUDIOS

Warner Brothers’ Theater, 6425 Hollywood Boulevard

4:00 p.m.—Ten Colored Melody Lads.
5:00 p.m.—Radio Travel Tales.
7:00 p.m.—Perfection Cook Ware Corp.
8:00 p.m.—June Parker, blues, and Don Warner and his studio boys.
9:00 p.m.—David Percy, baritone, and Cyril Godwin’s Concert Trio.

TUESDAY, APRIL 17
5:00 p.m.—Courtesy Program.
7:00 p.m.—KFWB String Quintet.
8:00 p.m.—Helen Davis, soprano; LeGrand Concert Trio.
9:00 p.m.—Sleepy Time Hour.

WEDNESDAY, APRIL 18
8:00 a.m.—The Breakfast Club.
9:30 a.m.—Dr. Paul J. Dorosh, diet specialist.
9:45 a.m.—Spanish Program.
10:15 a.m.—Characteristic Hour.
11:15 a.m.—Housekeepers’ Chat, by Aunt Sammy.
5:00 p.m.—Radio Travel Tales.
7:00 p.m.—Address.
7:15 p.m.—Ray Bailey’s Quintet.
8:00 p.m.—Don and Frank, songs; Charlotte De Lovelace, blues; KFWB String Quartet.
9:00 p.m.—Variety Hour.
11:30 a.m.—The L. A. Police Dept. Quartet and traffic announcements.
5:00 p.m.—Courtesy Program.
7:00 p.m.—KFWB Concert Quintet.
8:00 p.m.—Arlene Jackson, songs; Don Santos’ Hawaiian Trio.
9:00 p.m.—Vernon Rickard, tenor; Leon Belasky’s European Quartet.

FRIDAY, APRIL 20
4:30 p.m.—A. T. Rainey, psychic.
5:00 p.m.—Radio Travel Tales.
7:00 p.m.—KFWB String Quartet.
8:00 p.m.—Helen Pacino, songs; Don Warner and his studio boys.
9:00 p.m.—Robert Wynton: KFWB Concert Quartet.

SATURDAY, APRIL 21
7:00 p.m.—A one-act play by Playshop Players.
8:00 p.m.—The MonoMotor Ollers and so-loists.
9:00 p.m.—Ralph Markey and his Musical Keys.

6:30-7 NITELY ARDEN CERTIFIED MILK MUSICAL PROGRAM KFWB

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Paul Reese
Night Director

Margaret MacDonald Shogli
Assistant Program Director

C. B. Jureau
Transmission Engineer

**DAILY EXCEPT SUNDAY**

1:00 p.m. — Siesta Hour, Albert Tufts at the console of the Elks mighty organ.
2:00 p.m. — Air Theater String Ensemble, Paul Reese, tenor.
3:00 p.m. — Santa Monica Municipal Band Concert.
5:45 p.m. — "Castles in the Air," Albert Tufts at console of the Elks mighty organ.
7:00 p.m. — Santa Monica Municipal Band Concert.
9:00 p.m. — Air Theater Headliner.
11:00 p.m. — Elks Toast to Absent Brothers.

**SUNDAY, APRIL 15**

9:45 a.m. — Pilgrim Lutheran Church.
10:45 a.m. — International Bible Students.
2:30 p.m. — Santa Monica Municipal Band.
4:00 p.m. — International Bible Students.
4:30 p.m. — Vesper Services: Sibley Pease, organist.
6:15 p.m. — Pilgrim Lutheran Church.
7:00 p.m. — International Bible Students.
8:00 p.m. — Santa Monica Municipal Band.

**MONDAY, APRIL 16**

3:00 p.m. — Air Theater Varieties. Leonard Van Berg and assisting artists.
6:45 p.m. — What's Doing in Elkdom.
7:00 p.m. — Dance Orchestra, Bobby Gross.

---

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THE NEW

LOS ANGELES  SAN FRANCISCO
918 E. FIRST ST.  325 FIFTH STREET
<table>
<thead>
<tr>
<th>Time</th>
<th>Program</th>
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<tbody>
<tr>
<td>10:00</td>
<td>Records, courtesy of Barker Bros. (except Tues., Thurs., Sat.)</td>
</tr>
<tr>
<td>11:00</td>
<td>KPLA Diversities, 3:00 p.m.-Palais de Dance, featuring Ralph Markey and his Musical Keys, 4:00 p.m.-Health Bulletin, 4:05 p.m.-Records, courtesy of Barker Bros.</td>
</tr>
<tr>
<td>6:00</td>
<td>Dinner hour program</td>
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<tr>
<td>8:00</td>
<td>KPLA Florentine Quintet and soloists</td>
</tr>
<tr>
<td>10:00</td>
<td>Palais de Dance</td>
</tr>
<tr>
<td>8:00</td>
<td>Romola Theater Orchestra; Billy Barron: Katherine O'Neill and others.</td>
</tr>
<tr>
<td>7:00</td>
<td>Spanish Course</td>
</tr>
<tr>
<td>7:30</td>
<td>Popular Program - Katherine O'Neill; Bobby Gross</td>
</tr>
<tr>
<td>9:00</td>
<td>Romola Theater Orchestra and soloist</td>
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**Sunday, April 15**

<table>
<thead>
<tr>
<th>Time</th>
<th>Program</th>
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</thead>
<tbody>
<tr>
<td>6:00</td>
<td>Light Opera</td>
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<tr>
<td>7:00</td>
<td>Golden Hour</td>
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<tr>
<td>8:30</td>
<td>Hotel St. Catherine Orchestra</td>
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<tr>
<td>9:15</td>
<td>Grand Opera program</td>
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**Avalon, Calif. — 1000 Kc.**

<table>
<thead>
<tr>
<th>Time</th>
<th>Program</th>
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<tbody>
<tr>
<td>6:00</td>
<td>Popular concert</td>
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<tr>
<td>7:00</td>
<td>Studio program</td>
</tr>
<tr>
<td>8:30</td>
<td>Stories of musicians and their works</td>
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<tr>
<td>9:00</td>
<td>Dance program</td>
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</table>

**Tuesday, April 17**

<table>
<thead>
<tr>
<th>Time</th>
<th>Program</th>
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<tbody>
<tr>
<td>10:30</td>
<td>Records—Courtesy of Barker Brothers.</td>
</tr>
<tr>
<td>7:00</td>
<td>Sen. Geo. Wilder Cartwright</td>
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<tr>
<td>7:15</td>
<td>Bob Harker and Tod Waterman, Virginia Co; Coral Atkins</td>
</tr>
<tr>
<td>9:00</td>
<td>Fred Leedom Scott, tenor, and James Murray, baritone.</td>
</tr>
<tr>
<td>9:30</td>
<td>Billy Barron: Katherine O'Neill; Doris Decker</td>
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**Wednesday, April 18**

<table>
<thead>
<tr>
<th>Time</th>
<th>Program</th>
</tr>
</thead>
<tbody>
<tr>
<td>9:00</td>
<td>Ids. Schultz, soprano; Pat O'Neill, Irish baritone; Gray T. Sampson, pianist.</td>
</tr>
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**Thursday, April 19**

<table>
<thead>
<tr>
<th>Time</th>
<th>Program</th>
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<tbody>
<tr>
<td>10:30</td>
<td>Records—Courtesy of Barker Brothers.</td>
</tr>
<tr>
<td>7:00</td>
<td>Glen Edmunds' Collegians</td>
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<tr>
<td>9:00</td>
<td>Romola Theater Orchestra, soloists</td>
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</tbody>
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**Friday, April 20**

<table>
<thead>
<tr>
<th>Time</th>
<th>Program</th>
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</thead>
<tbody>
<tr>
<td>2:30</td>
<td>Bureau of Public Safety of L. A. Police Department.</td>
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<tr>
<td>5:00</td>
<td>Spanish Course</td>
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<tr>
<td>7:00</td>
<td>Nelson Case</td>
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<tr>
<td>7:30</td>
<td>Helen Dalzel, soprano; Coral Atkins, pianist</td>
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<tr>
<td>9:00</td>
<td>Cecil Fry and his Blue Threat</td>
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<tr>
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<td>Johnny Laughlin, piano solo; Jovita Jordan; Harry Co.</td>
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**Saturday, April 21**

<table>
<thead>
<tr>
<th>Time</th>
<th>Program</th>
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<tbody>
<tr>
<td>7:00</td>
<td>Studio program, with Jean Talbot, piano solo; Doris Decker; Katherine O'Neill; Leonard Van Berg</td>
</tr>
<tr>
<td>9:00</td>
<td>Fay Sisters and Cliff Cuning</td>
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AGENUINE SALE
REAL OPPOTUNITY

BAKER & FITZGERALD, Inc.
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<tr>
<th>List Price</th>
<th>Sale Price</th>
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<tr>
<td>$42.50</td>
<td>$29.75</td>
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<td>49.50</td>
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<td>82.50</td>
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<td>189.00</td>
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<td>200.00</td>
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<td>325.00</td>
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7 Tube
7 Tube

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"Keeping Good Folks Joyful Twenty-four Hours a Day"

10:00 a.m.—Frank Martin, Don Hunt, Peggy Price.
4:00 p.m.—Marie Crowe, soprano; Bill Steinbrenner, violin.
6:00 p.m.—John Wright Orchestra.
7:00 p.m.—Semi-classical hour.
9:30 p.m.—Haywire Three, Norman John son, yodeller.

MONDAY, APRIL 18

11:30 a.m.—Otto's Memory Contest.
12:00 noon—Elite Girls.
7:00 p.m.—Charlie Davis, songs.
10:00 p.m.—Emil Groh, pianist; Golden State Hawaiians.

TUESDAY, APRIL 19

9:30 a.m.—Bob Roper—Health Talk.
12:00 noon—Elite Girls.
2:00 p.m.—George Nays, trumpet solo.
7:00 p.m.—Two Little Redheads.

WEDNESDAY, APRIL 20

9:30 a.m.—Mrs. Claire Charles.
12:00 noon—Elite Girls.
2:00 p.m.—Jimmie Haliday, tenor.
7:00 p.m.—Charlie Davis, ukulele and vocals; Skeet Wakefield.

THURSDAY, APRIL 21

11:30 a.m.—Otto's Memory Contest.
12:00 noon—Elite Girls.
7:00 p.m.—Hal Roach Studio Orchestra.
10:00 p.m.—Shadowland Serenaders.

FRIDAY, APRIL 22

9:30 a.m.—Bob Roper—Health Talk.
12:00 noon—Elite Girls.
2:00 p.m.—George Nays, trumpet solo.
7:00 p.m.—Golden State Hawaiian Trio.

SATURDAY, APRIL 23

12:00 noon—Elite Girls.
7:00 p.m.—Keystone String Quartet.

Beverly Hills, Cal.—1190 Kc.

250 WATTS—252 METERS

Owned and Operated by EARNEST J. KRAUSE, INC.
Earnest J. Krause, Inc., Bldgs., Beverly Hills.—Oxford 1036

MONDAY, APRIL 18

7:30 p.m.—Novelty Program.
8:00 p.m.—Betty Travis, violist; Iva May Travis, pianist, and Reginald Taylor, baritone.

TUESDAY, APRIL 19

7:30 p.m.—Amber Fay, soprano, and James Murray, baritone, in duet.
8:00 p.m.—Louise Kloss Trio, and Paul Taylor, tenor.

THURSDAY, APRIL 21

7:30 p.m.—Hawaiian Music.
8:00 p.m.—Beverly Hills Institute Music and Art.

FRIDAY, APRIL 22

7:30 p.m.—Novelty Program.
8:00 p.m.—Bessie Chapin Trio, Dr. Omeron, tenor.
KFSG

7:00 a.m.—Family Altar.
8:00 a.m.—Bible Study Hour.
10:30 a.m.—Sunshine Hour.
11:30 a.m.—Noonday Musical.
4:00 p.m.—Classic Hour, ex. Wed. and Sat.
12:00 midnight—Midnight Heralds and music

SUNDAY, APRIL 15
10:30 a.m.—Sunday Morning Worship.
2:30 p.m.—Dispensational Message.
6:00 p.m.—Silver Band Concert.
7:00 p.m.—Musical Hour.
8:00 p.m.—Revival Service.
12:00 p.m.—Midnight Heralds.

Los Angeles, Calif.—1190 Kc.

MONDAY, APRIL 16
3:00 p.m.—Santa Monica Branch.
5:00 p.m.—Vesper Hour, Organ Recital, Esther Fricke.

TUESDAY, April 17
3:00 p.m.—Goodyear Branch Church.
5:00 p.m.—Book Lover's Hour.

WEDNESDAY, APRIL 18
2:30 p.m.—Divine Healing Service, Almee Semple McPherson.
6:00 p.m.—Organ Recital, Esther Fricke.
7:00 p.m.—Symphony Orchestra Concert.
7:30 p.m.—Water Baptism Service.

THURSDAY, APRIL 19
3:00 p.m.—Rev. Britton and Alhambra Group.
5:00 p.m.—Vesper Hour, Organ Recital, Esther Fricke.

FRIDAY, APRIL 20
3:00 p.m.—Bertha Scramton and Pasadena Group.
5:00 p.m.—World Travel Hour.

SATURDAY, APRIL 21
2:00 p.m.—Children's Happy Hour.
3:00 p.m.—Crusader Hour.
5:00 p.m.—The Banjo Club.
7:30 p.m.—Divine Healing Service.

KTBI

7:30 a.m.—Devotional hour.
10:45 a.m.—Student Chorus singing (except Monday).

SUNDAY, APRIL 15
10:45 a.m.—Church of the Open Door.
3:00 p.m.—Jewish Radio Hour.
6:00 p.m.—Radio Vesper Service.
7:15 p.m.—Church of the Open Door.
9:15 p.m.—Old hymns by Chorus Choir.

MONDAY, APRIL 16
2:00 p.m.—Monday Club.
4:00 p.m.—Bible Institute News Hour.
7:00 p.m.—Mexican Program.
8:00 p.m.—Musical program.
9:00 p.m.—Old hymns by Mixed Quartet.

TUESDAY, APRIL 17
2:00 p.m.—King's Business Question Box.

Los Angeles, Calif.—1090 Kc.

4:00 p.m.—Biographies of Great Hymn Writers.

WEDNESDAY, APRIL 18
2:00 p.m.—Inspirational Hour.
4:00 p.m.—News of Christian Work in the World.

THURSDAY, April 19
2:00 p.m.—New Testament Word Studies.
4:00 p.m.—Studies of Missionary Heroes.

FRIDAY, APRIL 20
2:00 p.m.—Great Preachers of the Past and Their Messages.
4:00 p.m.—An hour with Prophecy.
7:00 p.m.—Exposition of International Sunday School lesson.
8:00 p.m.—St. Luke's Gospel; Music.
9:15 p.m.—Old hymns by Girl's Octet.

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Los Angeles, Calif.—1290 Kc.

2224 METERS

1417 S. Figueroa St., Los Angeles, Calif., Westmore 3091.

**SUNDAY, APRIL 15**

8:00 a.m.—Dan Parker courtesy program.
9:00 p.m.—April Fool Frolic.

**MONDAY, APRIL 16**

7:00 p.m.—After dinner concert
8:00 p.m.—Ernie Owens Orchestra

**TUESDAY, APRIL 17**

7:00 p.m.—Wally Halnes Orchestra.
8:00 p.m.—Lou Bickels Orchestra

**WEDNESDAY, APRIL 18**

7:00 p.m.—Musical comedy hour
8:00 p.m.—Glenn Edmon's Sunset Serenaders; Mary Stockberger.

**THURSDAY, APRIL 19**

7:00 p.m.—Thelma Potter; Howard Dodds, soprano.
8:00 p.m.—California Poppies, Helen Pacino

**FRIDAY, APRIL 20**

7:00 p.m.—Josephine Lackmar's artist hour
8:00 p.m.—Coppock Trio, Rae Silverman.

**SATURDAY, APRIL 21**

7:00 p.m.—Ballad hour.

**KGEF**

Los Angeles, Calif.—1140 Kc.

1000 WATTS—263 METERS

TRINITY METHODIST CHURCH. BOB SHULER, Pastor

**SUNDAY, APRIL 15**

10:45 a.m.—Morning Service.
3:00 p.m.—So. Calif. Holiness Ass'n.
4:00 p.m.—Studio Records.
5:00 p.m.—Vesper Service.
7:00 p.m.—Trinity Choir.
8:00 p.m.—Bob Shuler.
9:00 p.m.—The Old Songs Quartet.
9:45 p.m.—Bob Shuler.

**TUESDAY, APRIL 17**

5:30 p.m.—Uncle Tom's Children Hour.
6:30 p.m.—Margaret Hughes, Jay Allard, and Ida Mae Goltz.

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San Diego, California—680 Kc.

KFD

DAILY EXCEPT SUNDAY—
10:00 to 11:00 a.m.—Amy Lou Shopping Hour.
12:30 to 1:30 p.m.—Carr Bros. Plaza Real Orchestra.
5:45 to 6:00 p.m.—Late news items; sporting events by San Diego Union and Tribune.
6:00 to 7:00 p.m.—Musical Review.
7:30 to 8:30 p.m.—Concert program. Theosophical Society.
8:30 to 9:00 p.m.—Orthophonic pipe organ.
9:00 to 10:00 p.m.—Aeolian Quartette.
10:00 to 11:00 p.m.—Ratliff Dance Academy.

THURSDAY, APRIL 19
7:00 to 8:00 p.m.—San Diego Police Dept. program.
8:00 to 9:00 p.m.—Unitarian Church program.
9:00 to 10:00 p.m.—Ratliff Academy of Dancing.

FRIDAY, APRIL 20
7:00 to 8:00 p.m.—Fegan’s San Diego Orchestra.
8:00 to 8:30 p.m.—Minor Twins, Stubbs Brothers.
8:30 to 10:00 p.m.—Hutton’s Hotel Del Coronado Concert Quartette.

SATURDAY, APRIL 21
7:00 to 8:00 p.m.—San Diego H. S. prog.
8:00 to 9:00 p.m.—Franco-American bough.
9:00 to 10:00 p.m.—Studio program.
10:00 to 11:00 p.m.—Ratliff Dance Academy.

Burbank, Calif.—1310 Kc.

KELW

DAILY EXCEPT SUNDAY
10:00 a.m.—Audrey Evans and Jack Brooks.
11:00 a.m.—World News and Fanatope.
5:00 p.m.—California String Quartet.

MONDAY, APRIL 16
7:00 p.m.—Ed Graham and Cook Bros.; Harold Drummond, Scotch baritone.
8:00 p.m.—Kenney and Ray, vocal duettists; Evangeline Huntley Smith, soprano.
9:00 p.m.—Magnolia Park Trio. Emma Woodman, soprano soloist.

TUESDAY, APRIL 17
5:00 p.m.—Jack Rogers Feature Hour.
7:00 p.m.—Walter Butterly, Herbert Henning; pianist; Prof. Glumac, Concertina soloist.

MAGNOLIA PARK. 500 WATTS—228.9 METERS
"The White Spot of the San Fernando Valley"

8:00 p.m.—Calif. String Quartet, Cliff Gunnin, tenor.
9:00 p.m.—Lee Brann’s New Society Orch.

WEDNESDAY, APRIL 18
5:00 p.m.—Jack Rogers Feature Hour.
7:00 p.m.—Van Nuys Specialty Program.
8:00 p.m.—Peggy and Edna, Novelty Duo; Dorothy Earl, movie star; Ray Haddock, tenor soloist.

THURSDAY, APRIL 19
7:00 p.m.—Valry Sisters, Belgian Nightingales; Mel Hunt, songs.
8:00 p.m.—Solistos from Mission Play.
9:00 p.m.—Mission Play Trio.

FRIDAY, APRIL 20
5:00 p.m.—Jack Rogers Feature Hour.
7:00 p.m.—Burbank Tribune Novelty Program.
8:00 p.m.—Neapolitan Girls; Otto Ploetz, tenor.
9:00 p.m.—San Fernando Elks, Orchestra.

SATURDAY, APRIL 21
7:00 p.m.—Myrna Belle Vickers Trio; Albert Bryant, tenor; KELW Mixed Quartet.
8:00 p.m.—Howard and Beatrice Cavanah, Duetists; Matt Lauder, Scotch baritone.
9:00 p.m.—California String Quartet; Jack Jenkins, Jeanne Dunn, song impressionists; Eva Jenkins, whistler.
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AND THEN A LOT OF FOLKS come to us and tell us just what they want to accomplish and we engineer the whole outfit for them, or they get our specifications and make the assembly themselves and we do the FINISHING UP and ADJUSTING for them and they SAVE A LOT OF MONEY, TIME AND GRIEF.

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LOS ANGELES
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CLARENCE GRAY

12:05 a.m.— Popular Jazz Band (ex. Tues., Thurs., Sat.).
12:30 p.m.— "Doris and Clarence."
1:30 p.m.— "Snappy Songs," Lucky Wilber.
2:00 p.m.— Manuel Contreras, cornetist; Hal G. Nichols, violinst; Doris Dolan, pianist.
4:00 p.m.— Press-Telegram late news, Frank Goss.
4:30 p.m.— Piggly Wiggly Concert Orchestra and Entertainers.
6:45 p.m.— Adult Radio School, Elmer C. Jones (except Tuesday, Saturday).

DAILY EXCEPT MONDAY
2:30 p.m.— Long Beach Municipal Band.
3:10 p.m.— Piggly Wiggly Menu Girl (except Sunday).
3:20 p.m.— Long Beach Municipal Band.
8:00 p.m.— Press-Telegram presenting L. B. Municipal Band.
12:00 p.m.— Midnight dance program.

SUNDAY, APRIL 15
9:30 a.m.— Capitol Theatre organ.
10:00 a.m.— Angeles Abbey program.

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DAILY EXCEPT SUNDAY

8:30 a.m.— "Bright" and "Early" Hour.
9:00 a.m.— Benjamin Irving, Jewelers, except Tues., Thurs., Sat."
9:00 a.m.— Hirsfield's, except Monday, Wednesday and Saturday.
9:30 a.m.— Organ Recital—Kilpatrick's Bakery.
10:00 a.m.— "Shopping News"— Hugh A. Marti Co.
10:15 a.m.— "Devotional Period," except Saturday.
10:30 a.m.— Physiology of Beauty— Georgia O. George, ex. Saturday.
11:30 a.m.— Press-Telegram Early News— Frank Goss.
12:00 noon— Lost and Found Announcements.

11:00 a.m.— St. Luke's Episcopal Church— R. O. Perry Oust.
12:30 p.m.— Birkel Music Co.
1:30 p.m.— Pacific Coast Club organ.
4:00 p.m.— Late popular record releases.
5:30 p.m.— "The Haymakers."
6:00 p.m.— Bear Cafe Jazz Band.
7:00 p.m.— Barkey's Ladies' Mandolin Or.
7:45 p.m.— First Church of Christ, Scientist.
9:00 p.m.— Piggly Wiggly All Star Night.

MONDAY, APRIL 16
1:00 p.m.— Spanish program.
2:30 p.m.— Capitol Theater Organ.
7:00 p.m.— Suydam's Buttercream School.
8:00 p.m.— Bennie Light, jazz pianist; Mark cool, singer.
9:00 p.m.— "Hirsfield's Hawaiians."
9:30 p.m.— Kilwatin Frolic.

TUESDAY, APRIL 17
12:00 noon— Hawaiians Program.
1:00 p.m.— Kilwatin Club Luncheon.
6:45 p.m.— Talk on Health.
7:00 p.m.— Hancock Oil Program.
9:00 p.m.— "Tone Formas."
10:00 p.m.— Majestic Ballroom Orchestra.
11:00 p.m.— Pacific Coast Club Organ.

WEDNESDAY, APRIL 18
1:00 p.m.— Rotary Club Luncheon.
7:00 p.m.— "Fain's Pair of Kids."
7:30 p.m.— Georgia O. George.
9:00 p.m.— Pacific Coast Club Orchestra.
9:30 p.m.— Main Event, Wilmington Bowl.
11:00 p.m.— Pacific Coast Club Orchestra.

THURSDAY, APRIL 19
12:00 noon— Hawaiians Program.
1:00 p.m.— Spanish program.
2:00 p.m.— Health and Efficiency, Dr. Clark.
7:00 p.m.— Cloverleaf Orchestra.
7:30 p.m.— Angeles Abbey program.
9:00 p.m.— Hi Jinks Musical Comedy, Capitol Theatre.
10:00 p.m.— Masterpiece program.
11:00 p.m.— Pacific Coast Club Organ.

FRIDAY, APRIL 20
1:00 p.m.— Masonic Club Luncheon.
7:00 p.m.— Irene Martin, Lucky Wilber.
Jack Nash and entertainers.
9:00 p.m.— "Ye Olde Song Album."
10:00 p.m.— Capitol Theatre Organ.
11:00 p.m.— West Coast Theatre Frolic.

SATURDAY, APRIL 21
10:30 a.m.— Capitol Theatre Organ.
12:00 noon— Hawaiian Program.
1:00 p.m.— Vernon Dalhart Program.
1:30 p.m.— Imperial Trio.
4:30 p.m.— Majestic Ballroom Orchestra.
7:00 p.m.— Piggly Wiggly Snappy Hour.
9:00 p.m.— Pacific Coast Club Orchestra.
10:00 p.m.— Masterpiece program.
11:00 p.m.— Majestic Ballroom Orchestra.
**KPO**

San Francisco, Calif. — 710 Kc.

1000 WATTS—422.3 METERS

**HALE BROTHERS AND THE CHRONICLE**

"The Voice of San Francisco"

1:00 p.m.—E. A. Pierce & Co. stock market quotations.
6:00 p.m.—Wolverines.
7:20 p.m.—Book review by Harold Small.
8:00 p.m.—N. B. C.*
9:00 p.m.—N. B. C.*

**TUESDAY, APRIL 17**

10:00 a.m.—Ann Warner, domestic economist.
10:25 a.m.—Ye Towne Cryer Service.
10:30 a.m.—N. B. C.*
11:00 a.m.—N. B. C.*
11:15 a.m.—Gypsy and Marta.
11:45 a.m.—Program by Kane's Hawaiians.
8:00 p.m.—N. B. C.*
8:30 p.m.—N. B. C.*
9:00 p.m.—Kolster Radio Hour.

**WEDNESDAY, APRIL 18**

10:45 a.m.—Gold Medal service talk.
11:00 a.m.—Gypsy and Marta.
6:30 p.m.—N. B. C.*
7:00 p.m.—Studio program.
8:00 p.m.—N. B. C.*
8:30 p.m.—N. B. C.*
10:00 a.m.—Ann Warner, domestic economist.
11:00 a.m.—Gypsy and Marta.
12:15 p.m.—Ninon in a fashion talk.
7:00 p.m.—Poultry talk.
7:15 p.m.—Sports-on-the-Air by Harry Smith.
8:00 p.m.—N. B. C.*
9:00 p.m.—N. B. C.*
9:30 p.m.—Neapolitan Four.

**FRIDAY, APRIL 20**

10:45 a.m.—Gold Medal service talk.
11:00 a.m.—Gypsy and Marta.
12:45 p.m.—Commonwealth Club luncheon.
1:30 p.m.—KPO Instrumental Trio.
8:00 p.m.—N. B. C.*
9:00 p.m.—N. B. C.*
9:30 p.m.—Abas String Quartet. Allan Wilson, tenor.
10:30 p.m.—KPO Dance Orchestra.

**SATURDAY, APRIL 21**

10:00 a.m.—Ann Warner, domestic economist.
11:00 a.m.—Gypsy and Marta.
7:00 p.m.—KPO Dinner Dance Hour.
8:00 p.m.—N. B. C.*

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**Official MAGNAFORMER LABORATORY**

The Magnaformer, the Set of Proven Performance, built as per Factory Specifications, Wired and Tested, $150. We will test, assemble and wire your kit for $35.00.

**Workmanship and Efficiency Guaranteed**

**LABORATORY OF RADIO STANDARDS**

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2408 West Vernon
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Los Angeles, Calif.
AEROPLANE LOUDSPEAKER KITS

The Essentials
BREILLE Motor Units
AERO CLOTH
DRUMTITE CONVERTER

IN STOCK

RADIO MANUFACTURERS SUPPLY CO.
1000 SOUTH BROADWAY COR 10TH ST.
OPEN EVENINGS UNTIL 9PM. SATURDAY UNTIL 10PM.
San Francisco, Calif.—660 Kc.

"Keep Forever Radiating Cheer"

4:15 p.m.—Art Fadden at the Steinway.
5:00 p.m.—Organ recital, Robert Olsen.
6:00 p.m.—Inspirational talk.
6:30 p.m.—Studio program.
7:30 p.m.—Concert Orchestra.
8:30 p.m.—Tom Crumovich's Roof Orch.
9:30 p.m.—Song recital; Robert Olsen.
10:00 p.m.—KFRC Dance Orchestra.
11:00 p.m.—Walter Krausgill's Dance Orch.

MONDAY, APRIL 16
9:30 a.m.—Weinstock-Lubin & Company Shopping Service.
11:00 a.m.—Household Hints.
1:05 p.m.—"Mothercraft Club."
3:00 p.m.—KFRC Concert Orchestra.
7:00 p.m.—Cecilians.
8:00 p.m.—Blue Friday Jamboree.
10:00 p.m.—Hotel Mark Hopkins Orchestra.

TUESDAY, APRIL 17
11:00 a.m.—Studio program.
3:00 p.m.—KFRC Concert Orchestra.
4:15 p.m.—Florence Garden "Women in Business."
6:25 p.m.—Stage & Screen & U. S. Weather.
6:30 p.m.—Sports talk by "Bobs."
7:00 p.m.—Charles Hamp entertains.
8:00 p.m.—Haas Candy Stores "Sweetheart Hour."
9:00 p.m.—Musical program.
10:00 p.m.—Mark Hopkins' Dance Orch.

WEDNESDAY, APRIL 18
11:00 a.m.—Household Hints.
3:00 p.m.—KFRC Concert Orchestra.
7:00 p.m.—The Cecilians.
8:00 p.m.—Maxwell House Coffee Orchestra.
9:00 p.m.—Goodrich Silvertown Melody Hr.
10:00 p.m.—Pacific Goodrich Silvertown Cord Orch., Robert Olsen.

THURSDAY, APRIL 19
10:00 a.m.—Shopping Service.
11:00 a.m.—Charles Hamp.
1:00 p.m.—"Mothercraft Club."
6:20 p.m.—Beauty talk by Madame Marie.
6:30 p.m.—Stage and Screen and U. S. Weather Bureau reports, stock quotations.
7:00 p.m.—Concert Orchestra, Bennie Lipson and Leo Maloney and assisting artists.
9:00 p.m.—Request program for "Tee Three."
9:30 p.m.—Nuptial music.
10:00 p.m.—Roof Garden Orchestra.

FRIDAY, APRIL 20
9:30 a.m.—Shopping Service.
10:00 a.m.—Studio program.
11:00 a.m.—Hints to Home-makers.
1:00 p.m.—KFRC Concert Orchestra.
4:00 p.m.—Garden talk by F. S. Davis.
5:00 p.m.—San Francisco News items.
5:15 p.m.—Mac and his Gang.
5:45 p.m.—Joe Mendel and his Pep Band.
6:30 p.m.—Sports talk by "Bobs."
7:00 p.m.—Charles Hamp.
8:00 p.m.—Ballads and comedy song music.
9:00 p.m.—Concert Orchestra.
10:00 p.m.—Hotel Mark Hopkins Dance Orchestra.

SATURDAY, APRIL 21
10:00 a.m.—Studio program.
11:00 a.m.—Amateur Auditions.
11:45 a.m.—Announcements of Sunday Church Sermon.
2:00 p.m.—KFRC Concert Orchestra.
7:00 p.m.—The Cecilians.
8:00 p.m.—Studio program.
9:00 p.m.—Walter Krausgill's Dance Orch.
12:00 midnight—Organ program by Leigh Harline; Wint Cotton, tenor.
**Why Not Improve Your Radio Reception?**

*Increase the Power of Your Set.*
*Get More Distance.*
*Stop Overlapping of Locals.*

No matter what set you have, if a Station Isolator can be used with it you can prevent all overlapping of local stations. You can be assured of getting the program you want, clear, clean cut, with improved tone, and without interference. Radio sets four and five years old have been modernized with Station Isolators and are now giving good service.

We especially recommend Model "A" Station Isolator with the Atwater Kents named below and with the Crosley Band Box.

The Station Isolator increases the power and sensitivity of your receiver, and thus increases the distance range as well as giving better reception on coast stations. It is an accessory that, once tried, you would not be without.

**Sold by Dealers Everywhere**

---

**Sargent-Rayment Station Isolator**
Buy it on a five-day, money-back trial

---

**Try One Yourself and Be Convinced!**

You cannot really appreciate what the Station Isolator will do for you until you actually try one. Visit your dealer today and get the model needed for your set. You can install it yourself, demonstrate it to yourself by means of the On-Off Switch, and see what a difference it makes in your reception.

**PRICES:**

Use Model "A," Price $10.00, for Radiola 16 and 17, Apex, Atwater Kent No. 30, 32, 35, 37, Stewart-Warner Single Dial, Crosley Bandbox, Freshman Equaphase. (Note—Radiola 17 requires line filter also, $7.00 extra.)

For all other sets that use an antenna and 6 volt "A" supply, use Model "T." Price $12.50 (requires one DX-301-A tube, $1.50 extra).

If your dealer cannot supply you, fill your check to this ad and mail it to us. We will send you one by return mail.

Radio Constructors Corporation, 357 12th St., Oakland, Cal.
A Government “O-Kay”

None other than our old friend C. H. Preston (in the flesh) writes us from Tacoma, Washington, that the United States Government is using the Preston Permanent Ground. He quotes Mr. C. G. Thompson, Superintendent of the National Park Service, as follows:

“The Preston Grounds have proven very efficient with us and a great money saver. Where we used 4 miles of telephone wire to run to ground from Lookout station to top of Mount Scott, an elevation of 8839 feet, we simply buried Preston Ground and used 10 feet of wire. We will continue to use these grounds hereafter.”

Incidentally, while touring the Great Northwest, Mr. Preston has installed his ground on KMO, Tacoma, with excellent results, eliminating two series condensers and increasing distance, volume and tone 25%. From Tacoma he will swing around to the following stations, installing a Preston Ground at each: KFOA, Seattle; KGY, Lacey, Wash.; KMED, Medford, Ore.; KRLO, Aberdeen, Wash., and KFBK, Sacramento, Cal.

Believe It or Not!

In the wee small hours of April 1—1:00 A. M. to be exact—a truly remarkable re-broadcast was pulled off, with two extremities of our big country participating, to wit:

At the Zenith Radio Agency, 1242 Vine St., Hollywood, Cal., 9XF, Chicago (the new 50,000 Watt we mentioned in our last issue), was received on a Zenith Model 18-E. Nothing remarkable about that, to be sure, but listen: It was telephoned to KNX, re-broadcast by that station, and received by a DX maniac “way up in the Maple Sugar Belt of New Hampshire! This snow-bound Yank telephoned it to WAAM, Newark, N. J., who re-broadcast again. Meanwhile the distance hound telephoned to 9XF, apprising them of what he had done and confirming program. All those wishing to argue over this telephone HEmpstead 2504 and ask for F. Clay McConnell or K. P. Kelly!
SUNDAY, APRIL 15
9:00 a.m.—Time signals Musical program.
9:55 a.m.—International Bible students.

MONDAY, APRIL 16
5:30 p.m.—National Humane Week—talk.
7:30 p.m.—Charles Schultz, Blues.
8:00 p.m.—Studio program.
8:30 p.m.—Seattle Pacific College.

TUESDAY, APRIL 17
12:20 p.m.—Studio program.
12:30 p.m.—Ad Club luncheon program.
1:30 p.m.—Varied studio program.
4:45 p.m.—KJR Improvement Club.
5:30 p.m.—National Humane Week—talk.
7:30 p.m.—Seymore Wood, baritone.
8:00 p.m.—Lundquist-Lilly, Two-Pant Twins.
9:00 p.m.—Simultaneous broadcast.

WEDNESDAY, APRIL 18
12:00 p.m.—Ruth Harlbut, soprano.
12:30 p.m.—Varied studio program.
7:30 p.m.—Studio program.

THURSDAY, APRIL 19
12:30 p.m.—Luncheon program.
11:30 p.m.—Varied studio program.
7:30 p.m.—"Fireside Hour," with Lady Orchesta.
8:30 p.m.—"ABC" Chain broadcast.

FRIDAY, APRIL 20
12:20 p.m.—Music Appreciation talk.
12:45 p.m.—Varied studio program.
4:45 p.m.—KJR Improvement Club.
7:30 p.m.—Old Time Dance Orchestra.
8:00 p.m.—Educational program.
8:15 p.m.—Simultaneous broadcast.
9:00 p.m.—Studio program.

SATURDAY, APRIL 21
7:30 p.m.—Studio program.
KFOA

P. B. Gale
Station Manager
Arthur W. Lindsay
Program Dir. & Announcer
Ward J. Ireland
Announcer
H. M. Currie
Station Operator
Frederick C. Ferringer
Assistant Director
Gertrude Haseman
Program Clerk
Edward Fitzgerald
Commercial Manager

ARTHUR W. LINDSAY
Announcer

DAILY EXCEPT SUNDAY
10:00 a.m.—Rhodes’ Air News
10:30 a.m.—Dorothy Neighbors, presented by
Seattle Daily Times.
12:00 noon—Rhodes’ Organ Recital.
2:15 p.m.—Baseball Games (ex. Monday).
5:30 p.m.—New and Weather Report (ex. Monday).
6:00 p.m.—Sperry Flour Sightseeing Hour.
(Sat. even).
9:00 p.m.—Longine Time Signals.

SUNDAY, APRIL 15
1:00 p.m.—N. B. C.*
2:00 p.m.—Baseball game—Seattle vs.
Sacramento.
5:00 p.m.—Longine time Signals.
5:10 p.m.—Concert orchestra.
5:30 p.m.—Organ recital by C. Ferringer.
6:30 p.m.—N. B. C.*
9:00 p.m.—N. B. C.*

MONDAY, APRIL 16
12:00 p.m.—Hi-Twelve Luncheon program.
1:30 p.m.—Messages from Sarah Hodnett.
6:30 p.m.—Strood program.
7:15 p.m.—Industrial News.
7:30 p.m.—Better flowers educational talk.
7:45 p.m.—“Something About Everything.”
8:00 p.m.—N. B. C.*
9:00 p.m.—Rhodes organ recital.
9:30 p.m.—N. B. C.*
10:00 p.m.—N. B. C.*

TUESDAY, APRIL 17
11:00 a.m.—N. B. C.*
12:30 p.m.—Kiwanis Club luncheon program.

*See Page 42 for detailed program of National Broadcasting Co.

Seattle, Wash.—670 Kc.

447.5 METERS—1000 WATTS

Owned and Operated by Rhodes Department Store
Arcade Square, Seattle, Washington, Phone MAIN 3000

1:30 p.m.—“Notes From the Skipper’s Log.”
8:30 p.m.—Half hour dinner concert.
7:00 p.m.—“Under the Crescent Moon.”
8:00 p.m.—N. B. C.*
8:30 p.m.—N. B. C.*
9:00 p.m.—Maxwell House Coffee Orch.
10:00 p.m.—“Something About Everything.”

WEDNESDAY, APRIL 18
12:30 p.m.—Rotary Club Luncheon program.
1:30 p.m.—Messages from Sarah Hodnett.
6:30 p.m.—N. B. C.*
7:00 p.m.—Variety program.
7:30 p.m.—Albers Bros. Poultry Talk.
7:45 p.m.—Book chat by Helmer L. Webb.
8:00 p.m.—N. B. C.*
8:30 p.m.—N. B. C.*

THURSDAY, APRIL 19
12:30 p.m.—Shrine Club luncheon program.
1:30 p.m.—“Notes From the Skipper’s Log.”
6:30 p.m.—“Golden West Girl and Her Orchestra.
7:30 p.m.—Sundae and d’Evers Duo.
8:00 p.m.—N. B. C.*
9:00 p.m.—N. B. C.*
9:30 p.m.—N. B. C.*
10:00 p.m.—N. B. C.*

FRIDAY, APRIL 20
12:30 p.m.—Members Council Luncheon program.
1:30 p.m.—Messages from Sarah Hodnett.
6:30 p.m.—Variety program.
7:00 p.m.—“Who’s Who in Society Candyland.”
8:00 p.m.—N. B. C.*
9:00 p.m.—N. B. C.*
9:30 p.m.—N. B. C.*
10:00 p.m.—N. B. C.*
10:30 p.m.—Frollic of the Know Growing Wiser Order of Hoot Owls.

SATURDAY, APRIL 21
6:00 p.m.—Sport reveue.
6:50 p.m.—“Something About Everything.”
7:00 p.m.—Boy Scout Program.
7:30 p.m.—Camp Fire Girls Program.
8:00 p.m.—N. B. C.*
9:00 p.m.—N. B. C.*
10:00 p.m.—N. B. C.*

RADIOLA SPECIALISTS

Have a licensed power pack and amplifier installed in your Radiola 28.
No batteries, no messy acids. It makes your 28 the equivalent of the 30.
If your Radiola 28 or your Radiola 20 is out of balance, its selectivity and
distance are greatly impaired. We make them perform like they should.

Why not convert your Radiola 30 into a 32 by the installation of the new
Dynamic Speaker?

LABORATORY OF RADIO STANDARDS

E. K. HAYES

2408 West Vernon
VERmont 6543
Los Angeles, Calif.
KHQ
Spokane, Washington—810 Kc.

1000 WATTS—320.2 METERS
LOUIS WASMER, INC. Studio in the Davenport Hotel

DAILY EXCEPT SUNDAY AND WEDNESDAY

7:00 a.m.—Bally’s Period of Pep and Calisthenics.
7:30 a.m.—Inland Empire Road Reports.
7:45 a.m.—Breakfast Program.
8:30 a.m.—Variety Musical Program.
9:00 a.m.—Household Service—Tull & Gibbs.
9:57 a.m.—A & K Educational Talk.
10:00 a.m.—Sara Leigh’s Hour with Women.
11:00 a.m.—Farmer’s Service Hour, except Thursday.
1:00 p.m.—Happy Hour, except Wednesday.
2:00 p.m.—Crystal Twins, except Tuesday and Friday.
3:00 p.m.—The Monogram Hour.

2:00 p.m.—An Hour with “Miss Spokane.”
6:30 p.m.—N. B. C.
7:00 p.m.—“Under the Crescent Moon.”
8:00 p.m.—N. B. C.
9:00 p.m.—Maxwell House Concert Orch.
10:00 p.m.—Dance music.

WEDNESDAY, APRIL 18
6:30 p.m.—N. B. C.
7:00 p.m.—Mahlon Merrick and his Orch.
8:30 p.m.—N. B. C.

THURSDAY, APRIL 19
6:30 p.m.—The Golden West Girl
7:30 p.m.—Europe, by Mr. Ben Cohn.
9:00 p.m.—N. B. C.
10:00 p.m.—Dance music.

FRIDAY, APRIL 20
2:00 p.m.—An Hour with “Miss Spokane.”
7:15 p.m.—Europe, by Mr. Ben Cohn.
8:00 p.m.—N. B. C.
9:00 p.m.—Frank Walton League program.
9:30 p.m.—N. B. C.

SATURDAY, APRIL 21
7:15 p.m.—Europe, by Mr. Ben Cohn.
8:00 p.m.—N. B. C.
10:00 p.m.—Dance music.

See Page 42 for detailed program of National Broadcasting Co.

KGA
Spokane, Washington—1150 Kc.

260.7 METERS—2000 WATTS
Operated by the American Broadcasting Co., located in the Old National Bank, Spokane, Washington
H. E. Studebaker, Studio Manager

6:00 p.m.—Time Signals.
6:01 p.m.—Service talk with music.
7:30 p.m.—Music (except Monday).
10:00 p.m.—Dance music.

SUNDAY, APRIL 15
11:00 a.m.—First Presbyterian Church:
12:30 p.m.—Musical program.
1:00 p.m.—Talk on Psychology.
7:30 p.m.—First Presbyterian Church.
MONDAY, APRIL 16
11:00 a.m.—Shopping Service.
5:00 p.m.—Health talk.

THURSDAY, APRIL 17
2:00 p.m.—Chronicle Home Management School.
4:00 p.m.—Musical program and news.
9:00 p.m.—Simultaneous broadcast.

WEDNESDAY, APRIL 18
11:10 a.m.—Shopping Service.
8:30 p.m.—Varied musical programs.

THURSDAY, APRIL 19
8:30 p.m.—“ABC” Chain broadcast.
FRIDAY, APRIL 20
11:10 a.m.—Shopping Service.
12:30 p.m.—Varied musical programs.
8:15 p.m.—Simultaneous broadcast.
9:00 p.m.—Musical program.

SATURDAY, APRIL 21
8:00 p.m.—U. S. Government Business
8:15 p.m.—Musical program.
Hayes

(Continued from Page 31)

become a nerve-shattered wreck,—old before his time.

We found E. K. fat and sassy, calmly putting together another "Maggie," and seemingly enjoying life to the fullest. We managed to ask a few questions regarding supers in general, and this one in particular.

"Wall. I'll tell you how 'ts," he said. "I've put about 250 of these Magnaformer coils on the oscillator and checked their peak frequency, and I've never found one yet that was off far enough to worry about, and I'll gamble you could take any two of all the sets I've built and you couldn't detect any difference between them in performance. And when I find a kit super that is so consistent and reliable and makes satisfied customers for me,—I stick to it!" And you can't blame him, at that.

A Magnaformer, equipped with the larger type Ferranti transformers and playing a Lansing type C cone speaker, was furnishing musical accompaniment to Hayes' line of chatter, and the sputtering of his soldering iron. And when I say musical, I mean it—that combination produces real music. The Lansing was tested beside some big power speakers, and came through with flying colors, equalling the big fellows in tone range and quality, and even surpassing them in all-round enjoyability.

"The set not only has 'It,' but it has everything. I've brought in the Ausies and Japs right here in this stucco building, and that degree of sensitivity is combined with 10 kilocycle selectivity, and the tone you're hearing now."

Incidentally, this chap, Hayes, is a top-notch expert on superheterodynes, and knows what he is talking about. In fact, he darned near sold me one of the 8-8's, in spite of the fact that I've still got the first one that ever came out to the Pacific Coast.

Improve A.C. Detector

Developed

B. Kruger, factory representative of the C. E. Mfg. Company of Providence, R. I., is in receipt of a letter from the factory which reads, in part, as follows:

"After considerable experimentation we have decided upon a new method of constructing the A.C. tube type N-27. This consists of the cathode being made of silicate rather than isolantite, and we have found that it greatly prolongs the life of this particular type.

"The main complaint on all tubes of this type has been due to their short life, and we feel safe in saying that the new tubes now coming through the factory will outlast any tubes of this type now manufactured."

Wesholly Aerial

The cage type of antenna was first used by the Navy, where it was necessary to hang up a lot of wire in a comparatively small space. In transmission, particularly where a definite amount of radiating surface is necessary, together with definite inductance and capacity values, it was found that the cage construction would meet these requirements and take up less space than the types previously used.

Amateurs have been using cages quite extensively in their work, particularly on short waves, and lately this type of antenna has been coming more and more into use by the broadcast fans.

While experimenting with the cage type of aerial, J. K. Davis of the Sunset Manufacturing Company conceived the idea of using copper cones in place of the end hoops of the cage and to fill the intervening space with copper screening instead of four or six wires. The complete ensemble is then heavily lacquered to prevent corrosion. This permits of obtaining good energy pick-up in still smaller space.

After all, the real problem in antenna construction is to pick up as much energy as possible without having the antenna of such dimensions that selectivity is impaired. Mr. Davis claims that his Wesholly aerial meets this requirement—giving the maximum signal without spoiling selectivity.

WANTED

FIRST CLASS RADIO SERVICE
MAN take charge department old established company. Salary and commission. Investment necessary. Address Box A, Radio Doings.
Mr. J. R. Wyatt, recently with A. J. Tobey, Inc., of Los Angeles, has resumed his old relations with the French Battery Company. Mr. Wyatt, in the capacity of special representative will cover the entire Pacific Coast, calling on the various distributors and assisting the local salesmen in their calls on the retail trade.

D. W. Smith, formerly associated with the Long Radio Co., of this city, is now affiliated with the Trojan Radio Corp. of 5006 S. Broadway, manufacturers of the Trojan Console, an all-electric six-tube receiver, embodying the latest in this type of radio.

As evidence of the large demand for Gosilco aerial wire, the Gosilco Radio Products Co. of Huntington Park is the largest consumer of gold chloride on the Pacific Coast and Western States. In addition to the great number of fans using this specially treated aerial wire, a number of the largest radio broadcast stations employ it as part of their equipment. The Lowe Observatory at Flagstaff, Ariz., has recently included Gosilco in the construction of some of its sensitive precision instruments, which attests the merit for which Gosilco products are so universally known.

The Aerofonic Mfg. Co., manufacturers of the Aerofonic Air Column speakers, have recently completed an up-to-date demonstration room in their new plant at Hill and 35th Streets and have now under construction a completely equipped laboratory for unit testing and speaker designing, with their present equipment and engineering department, being able to manufacture specially designed speakers for the various set manufacturers of the Pacific Coast.

Under the title of WHAT B ELIMINATOR SHALL I BUILD? there has just been published an interesting book, consisting of thirty-two pages, which gives instructions and illustrations on the use of variable wire wound resistances, in such nationally known power supply units as Thordarson, Samson, National, Amertran and Silver-Marshall. Of the many advantages gained by the use of good variable wire wound resistances, the most important is the fact that definite detector, radio frequency and audio B voltages can be obtained for various sets, making the power supply devices more universal in their use. This is very important with superheterodyne sets, for the reason that the 45 and 90-volt taps should be variable. Electrad, Inc., 175 Varick street, New York, will be very pleased to send this book upon request.

The All American Radio Company and the Mohawk Radio Corporation announce that they have consolidated. The new concern will be known as All American-Mohawk Radio Corporation.

Walter Saint, sales manager of Birch-Smith Furniture Co., exclusive downtown Sparton dealer, returned to duty once more after an illness of several weeks in the hospital.

A company that stays to the exclusive distribution of one set seems to profit more than the companies that are handling many different sets. The Kimberly Radio Corporation of Chicago are exclusive Chicago distributors of Zenith sets. They have just declared a 50 per cent cash dividend, which we say is some dividend.

Mr. Adams of the A. & A. Furniture Co. is again "on the job" after having been off duty several weeks on a well-earned vacation.

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Transformers Built for CX310, UX210, L-10, CX350, UX250, L-50
Repairs On All Dynamic Speakers
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DENVER, COLORADO—920 Kc.

5000 WATTS—526 METERS GENERAL ELECTRIC COMPANY

Pacific Standard Time

"Rocky Mountain Broadcasting Station"

DAILY EXCEPT SUNDAY—
11:00 a.m.—Time Signals.
11:01 a.m.—Weather, Stock and Produce Reports.
11:15 a.m.—Organ Recital.
4:00 p.m.—Stock and Market Reports (except Mon. and Sat.)
4:25 p.m.—Road Reports, courtesy Rocky Mountain News and
Denver Evening News (except Monday, Wednesday and Saturday).
7:00 p.m.—Scheuerman’s Colorado Orch.
7:15 p.m.—The Denver Ladies’ String Quartette.
9:00 p.m.—Arabian Room Orchestra.

THURSDAY, APRIL 19
2:30 p.m.—Rural Schools, State Department of
Public Instruction.
3:00 p.m.—“Housewives’ matinee.”
3:45 p.m.—“The Morning Post Stylegram.”
4:45 p.m.—“Child Health” talk.
4:00 p.m.—Bonnie Laddies vocal trio, N.B.C.
5:00 p.m.—Dodge Bros.’ Hour, N. B. C.
6:30 p.m.—Brown Palace Hotel Orchestra.

THURSDAY, APRIL 21
4:00 p.m.—Hawaiian Orch., N. B. C.
4:30 p.m.—Pennsylvania Hotel Dance Orches-
tra, N. B. C.
5:00 p.m.—RCA Hour, N. B. C.
6:00 p.m.—Preview of International Sunday
School lesson.
8:00 p.m.—Dance Program.

FRIEDAY, APRIL 20
2:30 p.m.—“Old Melodies and New,” N.B.C.
5:00 p.m.—“Orchestra and Cavaliers,” N.B.C.
6:00 p.m.—“Whittall’s Anglo Persians, N.B.C.
6:30 p.m.—Extension service, Colorado Ag.
College.
7:00 p.m.—Solitaire Hour.
7:30 p.m.—Musical Program.

SATURDAY, APRIL 21
4:00 p.m.—Bonnie Laddies, N. B. C.
4:30 p.m.—Philadelphia Hotel Dance Orches-
tra, N. B. C.
5:00 p.m.—RCA Hour, N. B. C.
6:00 p.m.—Preview of International Sunday
School lesson.
8:00 p.m.—Dance Program.
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