The Finest Tone in Radio

AMRAD

SYMPHONIC SERIES
DYNAMIC RADIO MODELS

Not every home will have an AMRAD Radio—not every radio listener is critical enough to insist upon having the supreme achievement in radio performance.

But we urge you to HEAR the Amrad before selecting any radio. The gorgeously rich tone will give you a new conception of beauty.

Amrad models are reasonably priced—yet no other radio at any price combines the 350 power tube, the Mershon condenser, four-way tone control, and the world’s finest dynamic speaker.

$310 to $900, less tubes.

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LOS ANGELES SAN FRANCISCO
AMRAD
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There are Plenty of AMRADS for Christmas

Any of these Dealers can give you immediate delivery:

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Associated Radio
4156 Beverly Blvd.
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Hamilton & Son
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Alvarado Arcade Studio
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**Wilshire Western**

Wilshire Music Co.
605 S. Western Ave.
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Georges Radio Sales and Service
359 N. Beverly Drive
OXford 9407

**Hollywood**

Estes Elec. Appliance
119 S. Western Ave.
WAshington 6411

**Anaheim**

Radio Den
134 W. Center St.
Phone 975

**Fullerton**

E. B. Finseth
113 E. Commonwealth
Phone 37

**Inglewood**

Mill A. Zillgitt
110 S. Market St.
Phone 23

Long Beach

J. P. Anderson
1099 Wardlow Road
Phone 414-654

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

Pasadena

The Radio Store
564 E. Colorado
Terrace 3281 and 8332

Santa Ana

Carl G. Strock
112 Fourth St.
Phone 1138

The Peak of Modern Radio Achievement!
A startling illusion . . .

Aristocrat

Beautiful burr burl walnut cabinet finished in two tones.
For A-Battery Operation ... $50
AC Operation ... $70

"FIRST SPEAKER FIRST DYNAMIC"

"And ev'ry voice is heard repeating
The merry burden of glad song." — CARMEN

A startling illusion . . .

studio realism in the home.

Only a dynamic speaker can so faithfully reproduce the full, rich beauty of the original . . . in volume . . . undistorted. Magnavox created the dynamic, makes only dynamics, supplies leading set makers

The Magnavox Company
Oakland, California  Chicago, Illinois
Editorial Comment

A Yuletide Resolution

BROADCASTERS may well take heed of a rising voice of protest. Though a particular program may be highly pleasing to the listener, the human sense of curiosity dominates his attention until he learns what station is tuned in. When piece after piece continues and there is no identification from the station, that fundamental curiosity works overtime. It soon ceases to be a passive attitude. Irritation increases to the extent that the pleasure of the program is dwarfed to a minus quantity. This may seem unfair, since the studio is presenting the entertainment without cost to the listener. But giving the people what they want is the great secret of public superiority in America. Announcers are pointedly reminded of this increasing cause for complaint.

Those interested in distant reception, particularly, have deluged the offices of the Federal Radio Commission, supervisors throughout the country, and publications such as ourselves, denouncing various broadcasters for identifying themselves so rarely. It is evident that many stations hesitate to make any but their standard announcements. This usually consists of at least a fair-sized paragraph and is regulated by advertising of some kind. Therefore it is inclined to be given at long intervals, so as not to interrupt the program. In the face of this, the feeling predominates that after every selection, or at not longer than five or ten minute periods, the station letters and name of the city only should be interjected. The regular announcements can then be carried on according to schedule and the 1927 Radio Law.

The adoption of this plan would be welcomed with sincere joy by many a set owner; and certainly by every distance fan as well as those making logs for daily tuning. Why don’t all the stations make known this policy as their Yuletide resolution? It would be a happy Christmas gift to the radio public.
MERRY XMAS!

Don't Forget the Hundreds of Radio Accessories That Are Good for Christmas Gifts That Will Be Remembered Throughout the Year

Magnavox Dynamic Speakers
A and B Power Units
Phonograph Pickups and Turn Tables

Sargent-Rayment 7
Scott Shield-Grid Nine
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And Other Good Kits

Shortwave, Television and Transmitting Apparatus in Stock Always

Ask Your Dealer to Get It From “The Parts Warehouse of the West”

RADIO SUPPLY CO.
H. A. DEMAREST, President
912-914 S. Broadway VA. 6063
WHOLESALE
Los Angeles, Calif.
Largest Radio Parts Jobber West of Chicago
KITS or PARTS
RECEIVING AND TRANSMITTING
Always a Complete Stock
Watch This List of Parts for Changes

Acme Apparatus  Dunham Loops  Dunton Solder
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Aero-Products  Elkon Chargers  Flewelling Adaptors
Aerovox Wireless  Goodrich Rubber Panels  Formica Insulation Co.
Products  Gosico Wire  Franco Batteries
All-American Products  HFL Transformers  Hammarlund Products
American Beauty Irons  H-K Sodderdipt Lugs  Hedgehog Transformers
Amertran Products  Hoosick Parts  Jefferson Products
Amperites  Jones Products  Karas Products
Amsco Condensers  Jones Products  Kelbrackets
Baldwin Units  Kellogg Parts  Kellogg Parts
Baldor Motors  Knapp Power Units  Knapp Power Units
B B L Cone Units  Kodex Products  Koden Products
Benwood Linze Rectifiers  Kuprox Chargers  Kuprox Chargers
Birbach Products  Lynch Leaks  Luther (Luther) Leaks
Bodine Loops and Coils  Magnaformer Units  Magnaformer Units
Bouldin Cage Antennas  Magnavox Dynamics  Magnavox Dynamics
Brandes Phones  Marco Products  Marco Products
Branston Honeycomb  Master Voltage Controls  Master Voltage Controls
Coils  Morris Ball Antenna Kits  Morris Ball Antenna Kits
Bremer-Tully Products  Mueller Universal Clips  Mueller Universal Clips
Bretwood Leaks  Naald Parts  Naald Parts
Browning-Drake Kits  National Soldering Irons  National Soldering Irons
Camfield Coils  National Co. Parts  National Co. Parts
Carborundum Products  Paratone Cone Units  Paratone Cone Units
Cardwell Condensers  Parvolt Condensers  Parvolt Condensers
Carter Products  Phonovox Pickups  Phonovox Pickups
CeCo Tubes  Polymet Condensers  Polymet Condensers
Celeron Panels  Preston DX Ground  Preston DX Ground
C R L Resistance  Racon Horns  Racon Horns
Chicago Kester Solder  Radiant Co. Amperites  Radiant Co. Amperites
Clarostats  Radio Owls  Radio Owls
American Beauty Irons  Ray-O-Vac Batteries  Ray-O-Vac Batteries
Amertran Products  Raytheon Tubes  Raytheon Tubes
Amperites  Readrite Meters  Readrite Meters
Amsco Condensers  REL Apparatus  REL Apparatus
Baldwin Units  Remler Products  Remler Products
Baldor Motors  Samson Transformers  Samson Transformers
B B L Cone Units  Sangamo Condensers  Sangamo Condensers
Benjamin Elec. Mfg. Co.  Scranton Hydrometers  Scranton Hydrometers
Benwood Linze Rectifiers  Selectone Transformers  Selectone Transformers
Birbach Products  Sensory Insulators  Sensory Insulators
Bodine Loops and Coils  Skinderviken Buttons  Skinderviken Buttons
Bouldin Cage Antennas  Silver Marshall Products  Silver Marshall Products
Brandes Phones  Sovereign AC Tubes  Sovereign AC Tubes
Branston Honeycomb  Spaulding Bakelite  Spaulding Bakelite
Coils  Steinite Eliminators  Steinite Eliminators
Bremer-Tully Products  Sterling Testers  Sterling Testers
Bretwood Leaks  Super Ball Antennas  Super Ball Antennas
Browning-Drake Kits  Sunset Aerials and Grounds  Sunset Aerials and Grounds
Camfield Coils  Thordarson Transformers  Thordarson Transformers
Carborundum Products  Tobe Condensers  Tobe Condensers
Cardwell Condensers  Tom Mack Products  Tom Mack Products
Carter Products  Tower Speakers  Tower Speakers
CeCo Tubes  Transcontinental Coils  Transcontinental Coils
Celeron Panels  Tyrman Parts  Tyrman Parts
C R L Resistance  Universal Battery Clips  Universal Battery Clips
Chicago Kester Solder  Universal Microphones  Universal Microphones
Clarostats  Utah Units  Utah Units
American Beauty Irons  Vesta Power Units  Vesta Power Units
Amertran Products  Victoreen Parts  Victoreen Parts
Amperites  Ward Leonard Products  Ward Leonard Products
Amsco Condensers  Wesholly Ground and Aerial  Wesholly Ground and Aerial
Baldwin Units  Weston Meters  Weston Meters
Baldor Motors  X. L. Variodensers  X. L. Variodensers
B B L Cone Units  Yaxley Products  Yaxley Products
Benjamin Elec. Mfg. Co.  DEALERS: Park Next Door At Our Expense
Benwood Linze Rectifiers  RADIO SUPPLY CO.
Birbach Products  H. A. DEMAREST, President
Bodine Loops and Coils  912-914 S. Broadway  VA. 6063  Los Angeles
Bouldin Cage Antennas  WHOLESALE
Brandes Phones  Largest Radio Parts Jobber West of Chicago
The Powerful
Designed With

The great joy that comes from listening to a large symphony orchestra, the majesty of a mighty organ, the beautiful singing of a world's famous tenor or the syncopated rhythm of a jazz

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Hirsch Mercantile
530 S. Main St.
La Brea Radio
5222 Wilshire Blvd.
Martin's Radio
3910 S. Western Ave.
Rimpau Radio
4808 W. Washington St.
Ray's Furniture
6608 S. Broadway

Radio Sales
1418 N. Vermont Ave.
Sturgis Music
4713 S. Broadway
Western Ave. Knoll Radio
6903 S. Western Ave.
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P. & M. Radio Co.

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COLTON
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A DAY-FAN is a will be appreciated mas but on the other

Exclusive Southern California Distributors

C. C. LAWTON CO.

1125 Wall Street WEstmore 3960

Los Angeles
Day-Fan

Tomorrow in Mind

orchestra reproduced by a radio receiver that gives absolute fidelity of tone makes you realize that it is worth while to own a Day-Fan. The dealers listed below will gladly give you a demonstration without obligation.

CORONA
Keller Furniture Co.
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Palby-Hi Radio Co.
1361 Atlantic Ave.
NORWALK
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PASADENA
Long's Music House
528 E. Colorado St.
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895 E. Orange
Grove Ave.
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Christmas Gift that not only on Christ-
364 days of the year

Exclusive Southern California Distributors

C. C. LAWTON CO.

1125 Wall Street  WEstmore 3960  Los Angeles

An exquisite Egyptian cabinet of American walnut with full swinging doors. Sturdy construction throughout. Built to give a lifetime of satisfactory service. $297.50.
Give a FALCK
and get more Thanks

Hunt East, West, North or South—you will not find the equal of this Los Angeles-made radio in all 'round value. It is a gift that pleases everyone. Enduring all-electric efficiency, distance, accurate selection, single dial tuning convenience, tonal perfection, elegant appearance—everything a radio lover could want is in this 8-tube Falck Model 6A, with the new power-type Magnavox Dynamic Speaker.

And only $160 complete! Think of it.

Falck
ALL-ELECTRIC* RADIO

*Since August, 1926
Any of the dealers listed below will be glad to demonstrate the new Falck Radio Models to you in your own home, without obligating you in the slightest degree.

LOS ANGELES

Birdsall Radio Shop
8635 S. Vermont. YO. 8642.

Brandy Glass & Radio Co.
2214 Allesandro St. OL. 3616.

Walter F. Browne Radio Studio
4508-10 Hollywood Blvd. OL. 4783.

Coast Furniture Co.
861 Figueroa St. TU. 1651.

A. W. Cooper
1315 ½ W. 39th St. VE. 0767.

Danz Music Co.
105 N. Spring. TU. 1264.

George W. Dewey
5125 S. Western Ave. VE. 7744.

Eddie’s Electric Shop
3408 Glendale Blvd. OL. 4209.

Golden Gate Radio Co.
(West Coast Theatre Arcade)
5180 Whittier Blvd. AN. 7983.

Holmlund Bros. Furn. Co.
6707 S. Broadway. TH. 4486.

L. & Y. Electric Co.
8864 W. Pico. OX. 1509.

Paramount Radio & Electric Co.
5515 Santa Monica Blvd. HE. 8473.

Peoples Outfitting Co.
3990-96 S. Vermont. VE. 3143.

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

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

Wheeler’s Shop All Electric
112 N. Avenue 56. GA. 2200.

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

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

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

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

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

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

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

WALNUT PARK—Letteney’s Furn. Store
2680 E. Florence Ave. DE. 3245.

WATTS—Clark & Icher
9622-9627 Holmes Ave. DE. 1254-R1.

Falck Models

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


Manufactured and Guaranteed by
ADVANCE ELECTRIC COMPANY
1260 W. Second St. Los Angeles, Calif.
Pioneer Manufacturers of Radio Equipment
When Christmas Carols Crowd the Ether---

KOLSTER RADIO

makes the miracle of broadcasting a perfect reality. The melodies, the hymns, the songs of long ago, are reproduced with amazing fidelity when a Kolster Radio is in your home.

What better way to invest unexpected Christmas funds in future happiness than to visit your Kolster dealer today—and enjoy a Kolster Radio tomorrow.

California Distributors

John G. Rapp Corp.

1135 WALL ST. 123 SECOND ST.
LOS ANGELES  SAN FRANCISCO
ARGUES CANNOT GET 1928 RADIO WITH 1924 SETS

No listener can possibly get the full advantage of the wonderful programs and splendid tone-values of modern radio broadcasting if he persists in continuing to use an old-fashioned receiving set or inadequate loud speaker, Commissioner O. H. Caldwell said last week in Washington.

"Our broadcasters have liberally spent thousands of dollars to re-equip their stations so as to transmit music of irreproachable tonal excellence," Commissioner Caldwell continued. "These clear, perfect, well-rounded tone values are now in the ether waves which pervade every home. But whether each such home circle receives the music in its full beauty and clarity will depend upon the kind of a receiving set being used. Even such perfect waves, when filtered through an obsolete receiver or early speaker, cannot produce other than a nasal, tinny phonograph-like sound—although right nearby the very same radio waves coming through a modern outfit will be recreating the deep, rich tones exactly as they left the distant studio.

"It is my personal observation that altogether too many of our homes still have receiving sets and speakers bought in 1924 or 1925. Such homes are not listening to 1928 radio in any sense. What they are hearing, without knowing any better, or realizing it, unless they have a chance to compare their own with a modern radio—what they are hearing tonight is not 1928 radio, but the crudities of 1924 radio or 1926 radio, or whatever the date was when their receiving sets were built.

"Modern sets and loud speakers of established manufacture are correct in tone fidelity; they adequately cover the full broadcasting dial from 550 kilocycles to 1,500 kilocycles (545 meters to 200 meters); they are sharply selective, enabling their listeners to discriminate between stations close together on the dial; and they are highly sensitive, reaching out for distance, and bringing all the thrill that comes with programs from Chicago, Denver and Los Angeles."

PRESIDENT OMITS RADIO LEGISLATION

The fact that President Coolidge did not mention radio in his message to Congress was considered significant. This was construed to mean that new radio legislation would not have much chance for passage during the present short session of Congress.

Congress might, of course, act upon such a bill as Representative White of Maine introduced to extend the active life of the Commission for another year, but on such measures as the one proposed by Senator Dill of Washington to limit the power of a broadcasting station to 10,000 watts it seems doubtful if time between now and March 4 would permit of the careful consideration necessary for its passage.

Both Senator Dill and Representative Ewin Davis of Tennessee, who introduced a duplicate bill in the House, are apparently very much in earnest with regard to missing the power limitation measure and hearings are apt to be held at which the question of superpower is apt to be pretty thoroughly discussed. Also the Radio Commission is apt to be asked its reasons for increasing the number of 50,000 with broadcasting licenses and instruction permits.

Radio test cars carry complete frequency-measuring apparatus, radio-field intensity measuring equipment, apparatus for the examination of radio operators, and all other equipment necessary for the proper performance of any work required under existing radio laws.

J. Pierpont Morgan is one of the few men prominent in public affairs who has not been heard over the radio.
$5.00 DYNAMIC SPECIAL $5.00
Down Per Month

$55.00 Cash Price

This Beautiful Table with Jensen AC Dynamic Speaker Makes an Ideal Christmas Gift

We Also Carry the Following Radio Speakers that May Be Purchased On Very Easy Terms

Magnetic Type Dynamic Type
Atwater Kent Rola
Western Electric Magnavox
Rola Peerless
Utah Jensen

Phone TRinity 4281 for Free Demonstration
Established 1904

J.C. RENDLER
625 S. MAIN ST. Opp. P. E. Depot LOS ANGELES
The Microphone is the First Link
the Speaker is
the Last Link

..... in the complicated
and delicate chain which
carries the music of the
studio into your home.
No matter how perfect the
broadcasting technique, no
matter how strong the links
between, the final result is
often mediocre because the
Last Link—the Speaker—
fails in its important task.
Buy one today, install it tomorrow, and your
radio satisfaction for 1929 is assured.

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

Southern California Distributors

1111 Wall St. 218 E. Third St.
Los Angeles Los Angeles

Distributed in the West by

P. W. Gavin Co. Robert Weinstock, Inc.
1163 Front St., San Diego 643 Mission St., San Francisco
75 Sixth St., Portland, Ore. 4th at Hannenhard, Seattle, Wash.

Pacifie Wholesale Radio, Inc. San Diego, Calif.
Folsom at 7th St., San Francisco

JENSEN DYNAMIC SPEAKER

"The Finest in Radio"

Licensed under Magnavox Patents.
Owners of Royale Receivers are reporting marvelous performance. Distant stations with volume and clarity. Highly selective—perfect reproduction—amazing power. A quality A. C. receiver at an astonishingly low price.

**ROYALE—MODEL 82**

Price, complete with tubes, $169.50

In beautiful United cabinet with sliding doors.

A soundly engineered all-electric receiver employing seven A. C. tubes, including rectifier . . . Utah power speaker . . . beautiful United Cabinets. See and hear the Royale. Then you will realize that it is the greatest value in radio.

**MODEL 81**

This popular model is priced at $139.50

C. W. Smith Co.

407 E. Pico St.  Suite 506  Tel. WE. 9466  Los Angeles
There is a Santa Claus, after all, and if you don’t believe it have a look at Mr. Don Williams, one of the Two Boys of KHJ whose picture appears on the cover this week and who acts as Santa Claus for the Don Lee Christmas party Saturday night, December 22. The Two Boys may be heard over KHJ in clever songs and piano numbers.

The City Playgrounds Recreational Department will broadcast Christmas carols over KFI and KHJ on Christmas Eve.

KTM has arranged for an unusually fine program of all-Jewish music by nationally known Jewish artists. The first of these programs will be heard Monday, December 24th, from 8 to 9 p.m.

Tom Mitchell, baritone, has returned from an engagement in the north and is now to be heard with the Dr. Strasska Laboratory hour over KNX on Tuesdays and Wednesdays, at 7 p.m.; Thursdays and Fridays at 7 p.m., and Tuesdays at 11 a.m.

Charlie Wellman, Prince of Pep, and staff artist of KHJ, has just made his first record for Brunswick. Charlie sings “You’ll Never Know,” and on the reverse side, “One Step to Heaven,” and so excellent is the reproduction that his most intimate friends were fooled into thinking that a broadcast of the record was actually Charlie singing.

“When Lights Are Low,” at KEJK every Friday night at nine, Jean Campbell Macmillan stages one of the continuity classics of the air. The series will present Christmas tales in the next broadcast.

KNX will present a special two-hour program on Christmas morning, from 10 a.m., to 12 noon; another program at Westlake Park, in the afternoon, which will feature “The Messiah,” by A Cappella Choir, from 2 until 4. From 6:30 to 7:30 a program, featuring the different large choruses of the city, will be heard and Christmas Eve program, from 9 to 10, on Monday, December 24, will be broadcast.

Pauline Holder of Fanchon & Marco fame will be the feature next Friday evening, from 9 to 10, over KPLA.

Ted Rose, formerly with KYW, Chicago, is the new studio accompanist at KGFJ.

Each Saturday night, at 10:10 p.m., KGFH are putting on a “Ginger Beer” Frolic. The popular Red Wyatt, Ginger Boys, and the Clark Sisters appear regularly on this night.

KPLA dance orchestra, under the direction of Billy Barron, will broadcast a special Christmas program, both Monday and Tuesday nights, from 10 to 12.

Elmer Brothers’ Nursery will be on the air over KQW every Saturday night at 7:30, with a half-hour instructive and entertaining talk on the proper care of shrubs, plants and bushes.

Handel’s immortal oratorio, “The Messiah,” will be broadcast through NBC System stations, from 3 to 5 o’clock, Tuesday, Dec. 25, with four well-known soloists, a chorus headed by nine favorite radio artists and a 25-piece orchestra, directed by Max Dolin.

**WE CAN PROVE THE CUSTOM-BUILT SET IS STILL SUPREME**

**Distance—Tone Quality—Selectivity**

1 Specialize in the Building, Balancing, Repairing All Makes of Custom-Built Super Hets

JACK CHENEY, 1759 W. 39th St. Tel. UNiversity 6088 Los Angeles
FIRST PRIZE

DX Club:
With the aid of your Green Radio Call Book, and the alarm clock, I pulled in three Japanese stations Thursday at 3:30 a.m., JOAK and JOBK, with wonderful clearness and volume. With the aid of your call book I was able to figure the act dial setting before going to bed, and it worked out exactly. I think I am entitled to become a member of your DX Club. Have logged 78 stations since this new change, and sure is great for DX. Have all the California stations, WLW, WENR, WGN, KOA, KDKA, KOB, WBT, WCCO, WLS, WMAQ, WTAS, KOMO, KMOX, KSL, KWKK, WBAP, KFAB, WJR, WSB, WOC, KMA.

Have a 6-tube Freid-Eisemann, with power tube, using AB eliminator, and will say that the Radio Doings Green Call Book is the biggest 25 cents worth.

HENRY P. GRUBE,
3925 Eagle St., San Diego, Calif.

SECOND PRIZE

DX Club:
My Spartan Equasone stands at the door of the DX Club with the following record: The first day and night that I had my set I found 71 stations, making the acquaintance of my speaker.

Outside of 32 California “locals” and 16 northwest stations, including KFWQ, KWJJ, KFPY, CJOR, CWKH, I received five Denver call letters, KOW, KFEL, KFXF, KLZ, KOA; 2 in Utah, KDYL, KSL.

My “DX” letters included KSD, KYW, WBAP, WJAR, KFBU, WSB, KFNF, WAAW, KWKK, WBBM, KMA, KTNT, and last, but not least, JOBK, JOCK, JOFK, JOHK, with lots of pep.

C. A. BACHELDER, JR.,
2845 Washington St.,
San Francisco, Calif.

Editor, DX Club,
I have read Radio Doings from its infancy, and this is my first offence in writing, and as I knew that along with the fisherman, a DX bug is next. But believe me or not, here is my log since Nov. 11:

KLZ, KOAC, KMTR, KPLA, KHQ, KFBU, KFSD, KFI, WAAW, WQAF, KFAD, KGW, WMAQ, KPO, WLW, WGN, WLIB, WSB, WCCO, KFAD, KGW, WMAQ, KPO, WLW, WGN, WLIB, WSB, WCCO, WHAS, KOA, KFQZ, KWKK, WENR, WLS, KLX, KFNF, KHI, KOMO, KFWI, KFWM, KMA, KFEL, KFXF, KQIN, KFWB, KPSN, KJR, WCFL, KDKA, WBL, KGPH, WHO, WOC, KQW, CNRV, WFAA, KNX, WTAM, WBT, KMOX, WPG, KSOO, KFSG, KMIC, KSL, KVVO, KTNT, KEX, KOB, WJJD, WOA, KFWC, KV, KPPC, KYA, KFQF, WBAB, KEJ, KFAU, KFON, KOIL, KFOA, KFUM, KTAB, KDYL, KGEF, KTBI, KTBR, KFIF, KVI, KWI, KGB, KGFR, KVL, KOW, KFWC, KGJ, KSBA, KGM, KFJ, WJAZ, also six of the Japs, CNRV, CNRS, CKGW, CJHR; Mexico, CYL, and 4OQ and 3LO, in Australia. This is the log of a truck “Maggie,” consisting of a stage of R.F. “Maggie,” 1 F. and 1 stage of straight audio, then push-pull, and last but not least, the trick part—regeneration in both loop and first detector and 112 A’s for R.F. and detectors. Some of these nights I’m going somewhere where the reception is good (one of the beaches), and see what it really will do, but I suppose I’ll have to save for a month to buy postcards. By the way, I’ve never had the “cans” on this set.

Yours for lots of DX, and as little QRN as possible.

GEO. P. WIGGINS,
3420 Buckingham Road,
Los Angeles, Calif.
The **Sparton Equasonne**

Is Startling the Radio World

Call One of These Dealers for Demonstration

**HILL AT SEVENTH**

Birch-Smith Furniture Co.

Terms—Service  Immediate Delivery
737 S. Hill St.  TRinity 4121

**SOUTH FIGUEROA ST.**

Where Radio Knowledge Counts

Bob Brown’s
Battery Service
4353 S. Figueroa St.  HUmblot 2192

**LONG BEACH - BELMONT SHORES**

Harris Radio Service

192 Corona Avenue
Phone 347-222

**LA MESA**

Where Satisfaction Counts

La Mesa Music Co.

Let us Prove this Superior Radio to You
35 W. Lookout Ave.  P. O. Box 814
La Mesa 5561

**WESTLAKE**

Quick Delivery  Service with a Smile
Boswell Bros. & Benson
Furniture Co.

48 Hours Free Trial  Easy Terms
Good Trade-In  Allowance
Eighth at Alvaro  DReXel 7721

**DOWNTOWN**

Plenty of Room to Park

Standard Radio

Expert Radio Service

417 W. Pico St.  WEstmore 1560

**LONG BEACH**

McCrery Music Shoppe

228 Pine Avenue
Phone 640-14

**SANTA MONICA BLVD.**

Angelus Radio Shop

Demonstrations that Please
Terms to Suit
4208 Santa Monica Blvd.  OL. 7745

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**Buy Your Radio from a Radio Store**

**H. H. WALKER**

Liberal Trade-In Allowance  Terms That You’ll Like

1323 Venice Boulevard  BEacon 1311
This new Sparton Equasonne is the greatest radio the world has ever known at any price. And don't you buy a radio until you have heard it.

And Now.....
many homes will be brighter and happier because of

SPARTON EQUASONNE RADIO

This Splendid Senior Console Model, COMPLETE, $395.00
Other models from $210 to $925 complete, and Christmas Delivery is Guaranteed.

The SPARTON SPECIAL arrived on schedule. And that means a particularly joyful Christmas and New Year for many Southern California homes—for when SPARTON EQUASONNE RADIO comes to live in your home you find a new appreciation of your own fireside—the glorious voice of SPARTON draws the ties of the family circle just a little closer.

Any SPARTON dealer listed on the opposite page will be happy to serve you. He can make immediate delivery. Hear this magnificent instrument—it is worthy to join your family circle and make you glad for years!

SPARTON EQUASONNE
THE PIONEER ALL-ELECTRIC RADIO
Would you kindly explain the cause of “blasting” of a radio receiver and suggest an approved method of controlling and eliminating same if such exists?

C. E. F., Idaho Falls, Idaho.

ANSWER—There are several causes of the effect called blasting. Often it is caused by the speaker itself when the speaker is capable of handling only moderate volume and the volume is increased beyond this point. The distortion in this case is due to the limitations of the speaker, and a new speaker capable of handling a larger amount of signal strength is the only answer. Then, assuming that the speaker is not at fault, the means of coupling between power tube and speaker often gives rise to a form of distortion which is recognized as blasting. In many cases a loud speaker which contains a filter device is connected to a radio set which is also equipped with a filter or output transformer, and the two together in a circuit where there should be but one results in such distortion of the response curve of the speaker that a uniform response is impossible. Now, assuming that this factor is not at fault,—that the speaker is properly coupled to the power stage, the remaining and most likely source of distortion is overloading of tubes in the set itself. The ability of a tube to function efficiently, either as RF amplifier, detector, or audio amplifier, depends upon the A, B, C voltage relationship. The original design of the receiver should provide for these factors. The design should also provide for the increase in the signal strength as the amplification progresses. We start with a very weak signal in the input of the set,—where it is like a small stream carrying a straw, and then as we amplify and build up the signal we must deepen our river as we increase the size of the boat. And should the proper proportion not be maintained, we will be trying to produce variations in a current which are larger than the current itself. Then we have overloaded a tube, and distortion or blasting will result.

Often overloading will take place in a set where everything has been properly designed, due to the electron emission of a tube falling below normal value. Hence, our river becomes shallow in this tube and our boat grounds. And so, lacking any information regarding your set, whether it is a factory job or custom built, A. C., or D. C., type of speaker, and how coupled, etc., we can only answer in generalities, by suggesting that you determine by a set tester such as the Jewel or Weston, that every tube is receiving the proper A, B and C voltages for the job it is expected to perform, and that the emission is up to standard. Also see that the speaker is capable of strong volume without rattling, and that the method of coupling speaker to power tube harmonizes with the characteristics of the speaker. There is not more than one case in ten where the ordinary layman purchases a loud speaker and connects it to his radio set, and the thing is properly coupled. In nearly every case the speaker is required to function through two filters or two output transformers, or one transformer and one filter, and there is a decided sacrifice in quality and volume, and very often this blasting effect which is nothing more or less than an exaggerated distortion. If an output transformer is used, there should be but one, and it should have a primary impedance matching the output impedance of the power tube and a secondary impedance matching the winding of the loud speaker. A voltage ratio of 1 to 1 is standard practice. If a filter is used, there should be but one, and it should comprise a choke coil having at least 300 henries inductance at audio frequencies and a condenser of at least 2 mfd., so that the low tones will be passed.

QUESTION—What is the schedule and the wavelength of PWX, Havana, Cuba?—H. H., Los Angeles.

ANSWER—PWX operates on Monday, Wednesday and Sunday nights only. They are on the air from 6 to 8 p.m., Pacific time, on Monday, and from 5 to 8 p.m. on Wednesday and Sunday. Their special long-distance concert is given Sunday evening from 7 to 8, Pacific time. Frequency is 840 kilocycles, 356.9 meters. They were on 405 meters until recently, but have moved down, and now are in the Canadian channel between KWKH and KOA.
Over 250
Atwater Kent Dealers Endorse

This unbeatable combination

A Pemco Dynamic Speaker in an Atwater Kent Console

Atwater Kent Dealers all over Southern California were quick to realize the value they could offer the radio public in this unbeatable combination!

A comparison quickly establishes a preference for this Pemco Dynamic Speaker, Model ACK combination, and the result has been increased sales for the Atwater Kent Dealers.

The Pemco Dynamic Speaker Model ACK in chassis model sells for only $32.50 List.

Owners of all radios of similar type to the Atwater Kent, now using a magnetic cone type speaker, should investigate how they can at a low cost improve their tone quality and reception by modernizing their set with a Pemco Dynamic Speaker.

Phone or write us for particulars.

Precision Electric Mfg. Corporation
1020 Santa Fe Ave.
Phone Trinity 0237

See your Atwater Kent Dealer today and hear a demonstration with a Pemco Dynamic Speaker.
Model 85
A distinctive Burl Walnut console housing the eight tube, one dial, non-oscillating receiver. Built-in speaker. Light socket operation. Less tubes, $207.50

Tone Quality Selectivity Performance

An ideal Christmas Gift

All-American Mohawk Corporation

Lyric Radio

Let Us Make Demonstration for You
Will Deliver for Xmas
Convenient Terms

Lyon Furniture Co.
LOS ANGELES

1417 W. Washington

WESTmore 1504
Commission Prods Off-Frequency Stations

The recommendation made by Capt. Guy Hill, U. S. A. engineer in charge of broadcasting of the Federal Radio Commission, that any station deviating from its frequency by more than one-half kilocycle have its license revoked, and citing nine stations which he claims to be badly off their frequency, brings into sharp relief the fact that not only are devices for keeping wave-lengths from wobbling difficult to secure quickly, but they are very expensive. Some types of monitoring devices are said to cost as high as $14,000 and $15,000.

Something of the difficulties and the expense involved in securing crystal control and other apparatus designed to maintain assigned frequencies, may be gathered from a discussion of the subject by H. B. Richmond, of the General Radio Company of Cambridge, Mass., one of the largest producers of these control devices in the country.

"Crystals are used in two different methods," Mr. Richmond explained, when his views on the subject were sought. "The more common method is the monitoring system. This method is the one for which we supply crystals, and consists of a simple oscillator, the frequency of which is controlled by a crystal. This oscillator is associated with a pick-up coil. The beat note from the station causes a howl in a pair of headphones, or preferably a loudspeaker. Thus, as the transmitter gets away from its correct frequency, the beat note starts to moan in the loudspeaker, getting up to a shrill howl when it is 1,000 cycles away. A moan of 50 to 100 cycles is very sufficient warning to the station engineer that an adjustment is in order. This moan does not tell whether the station is high or low, but simply tells that it is off. With this equipment, a precision-frequency meter should be used, so as to indicate in which direction the station has wandered. This whole equipment should not cost over $300. No temperature control of the frequency is, however, provided.

The first radiobeacon in the United States, automatic in operation, has been completed and is in satisfactory operation.
CALL ONE OF THESE

MAJESTIC DEALERS

They Can Make IMMEDIATE Delivery

HILL AT SEVENTH
Birch-Smith Furniture Co.
Terms Service Immediate Delivery
737 S. Hill St. TRinity 4121

LIBERAL TERMS
BIRKEL MUSIC CO.
Home Demonstration Solicited
446 S. Broadway. VA. 1241

HIGHLAND PARK
"Your Majestic will be the same whenever you buy it, but, only Holland can give you "Holland Service"
HOLLAND ELECTRIC SHOP
Open Evenings
5632.34 Pasadena Ave. GA. 3912

CULVER CITY
Convenient Location—Terms
Trade-in Allowance—Service
Blunt Radio Electric Shop
6808 Culver Blvd. Phone 2286

SANTA BARBARA AVE.
RADIO ELECTRIC SHOP
Liberal Trade In—Terms to Suit
1428 W. Santa Barbara VE. 7440

SOUTH WESTERN AVENUE
Free Demonstrations Convenient Terms
ROBINSON RADIO SHOP
Open Evenings
4528 S. Western VE. 6683

UPTOWN
"Where Technical Knowledge Counts"
ORMISTON RADIO SHOP
Every Set Balanced to the Peak of Performance!
4018 W. 10th St. WHitney 6806

DOWNTOWN
Open Evenings :: Trade In
AMERICAN RADIO CO.
108 E. 8th St. TU. 6028
Demonstrations Gladly
Early Sunday morning "Sparky" Watson, veteran Union Pacific engineer, wheeled his giant locomotive into the east Los Angeles yards pulling a special train containing the largest single shipment of radio receivers ever shipped to the Pacific Coast by any manufacturer.

Naturally... they were Majestic Radio receivers. Rushed to Los Angeles at the earnest request of the President and the Secretary-Treasurer of Ungar & Watson, Inc., and speeded on their way by Union Pacific officials all along the line, this shipment made possible "before Christmas" delivery of Majestic radio receivers into more than 2000 Southern California homes. If you have not yet secured your Majestic for Christmas, call on your nearest dealer today. You'll find his name listed on the pages following.

UNGAR & WATSON, INC.
Wholesale Distributors, Southern California and Arizona
1363½ S. Figueroa St. LOS ANGELES
MAJESTIC RADIO DEALERS

Any of these authorized Majestic Radio Dealers will gladly, and without obligation, demonstrate Majestic Radio in your own home and explain the very reasonable payment plan. See your nearest dealer today.

Los Angeles and Hollywood


APEX
The Ideal Christmas Gift

The one gift that pleases the whole family at Christmas time and throughout the year is undoubtedly a good radio receiver. The Apex, All-Electric Neutrodyne, is being shown in three very attractive models, moderately priced to suit the pocketbook of anyone.

The table model may be conveniently placed in any corner of the living room, takes up but little space, is attractive in appearance and is ideal for the modern small apartment.

Two beautiful Console Models are available, made of choice burl and diamond-matched Walnut.

The Model 236, equipped with Magnetic Speaker, stands 42 inches high, and is a very attractive addition to any home.

The Model 336, equipped with the Famous Jensen Dynamic Speaker, is the choice of those who want the utmost in tone quality, combined with artistic furniture.
NEWS FROM JAPAN

The following interesting letter from a DX fan in fair Nippon was received recently by Donald Wright, and he sent it along to us:

Yamate, Osso,
Kanagawaken, Japan.

Mr. Donald Wright,
1123 South Meyler St.,
San Pedro, Calif., U. S. A.

Dear Sir:

I am one of the DX hunters in Japan and am always tuning the stations, local or distance.

I have seen your world-over DX work in the “Radio Doings,” and also have seen your name and photograph at foreign department of JOAK, Tokio station.

I am now experiencing trouble of het-squeal between 3L0 and JOCK, 2FC and COHB (Kharbin, China) and JOFK and 2BL. I shall be much obliged if you will inform me whether you are experiencing trouble of het-squeal between these stations or not in the U. S. A.

JFAK, having a wavelength of about 330 meters, at Taihoku, Taiwan, Japan, is operating with 1 kw. output, which I am sure you will be able to pick up.

Hoping to hear from you, I am,

Yours truly,

M. NAKAMURA.

There are several interesting features contained in Mr. Nakamura’s communication, besides the obvious fact that Radio Doings is read in Japan! First, his term “het-squeal” is very expressive and covers the situation very thoroughly without the use of such jaw-breakers as “heterodyne whistle,” “carrier interference,” etc. Hereafter, when two stations are operating on frequencies which are within 1000 cycles of each other and a resultant beat note or whistle is heard, we’ll call it a het-squeal.

The interference between 2BL and JOFK is very noticeable on the Pacific Coast, but we’ve had no reports of the others. There are two stations mentioned in the letter which our DX fans possibly have not heard of before—COHB in China and JFAK in Japan. Since COHB makes a het-squeal with JOCK, he must be on about 360 meters, and the other fellow is 330. Try and get ‘em!

Mr. Donald Wright and a number of other DX fans have been writing to us.

(Continued on Page 75)
Trade News

Lynch Has New Power Adapter

Millard Van Blaricon of the engineering department of Arthur H. Lynch, Inc., has developed a new unit which may be applied to any radio receiver in order to increase its power output.

It is a twin socket unit, designed to enable the use of two power tubes in parallel in the last audio socket of receivers designed for use with a single output tube.

No change in wiring is necessary, and the new unit is as easy to install as a vacuum tube. The remarkable feature of this unit is that it practically doubles the output of any receiver, by permitting the use of an additional power tube.

Among the advantages to be gained by this simple device the following claims are made by the manufacturer:

More power available in the last stage because two similar tubes may now be used in parallel. This permits the use of a dynamic speaker, with receivers which heretofore would not give satisfaction with such speakers. At the same time it improves the quality of reproduction with any type of speaker.

Increased life of power tubes, because it goes a long way toward killing the evil effects of high voltage surges in the power lines. These surges have been creating havoc among the power tubes used in light socket receivers, particularly in suburban districts.

Clearer reproduction, regardless of the type of loud speaker, because of the increased carrying capacity of the last, or power stage.

Elimination of rattles and other noises in loud speakers, resulting from the overloading of the last tube in the receiver.

May be used in any kind of a receiver, whether factory made or home-made, battery operated or electrically operated, and may be inserted as easily as inserting a tube. The price is $2.50.

CeCo Moves Forward

Announcement has been made by Ernest Kauer, president of the CeCo Manufacturing Company, Inc., of Providence, R.I., that their production of radio tubes in October was 101 per cent greater than in September, or the equivalent of $1.07 of outstanding stock, and it is expected that November will be the best month in the history of the CeCo Manufacturing Company, Inc., both as to earnings and production.

In order that they may take care of this increased business and with a conservative anticipation of future growth, this company is planning to erect a new plant having a floor space of 50,000 square feet on each floor. This is in line with the proposed advertising and sales campaign for 1929.

Arthur Moss Elected Electrad President

Mr. Arthur Moss, treasurer of Electrad, Inc., in charge of sales and advertising since the company was formed, has been elected president of the company.

Under Mr. Moss’ management, the company’s sales have rapidly increased, since 1923, until it is now recognized as one of the leaders in the industry. Since January, 1927, the company has been located at 175 Varick street, in much more commodious space and with greatly expanded factory facilities.
MAGNAVOX

WESTERN RADIO, INC.
1224 Wall St., Los Angeles

LEO. J. MEYBERG CO.
1022 Wall St., Los Angeles

SPLITDORF BETHLEHEM CO.
727 Venice Blvd., Los Angeles

C. C. LAWTON CO.
1125 Wall St., Los Angeles

DYNAMIC
Wholesale Distributors
READ THEN THINK!

Realize that in the Silver-Marshall 720 Screen-Grid Six you get more real radio performance per dollar invested than in any other set on the market, whether factory built or of the kit type.

Build it yourself . . . have the joy of actually creating something that works! Or have it built for you by a professional set builder . . . we will give you his name. In either case you will be proud of the appearance and the performance of the radio set and of your own good judgment in buying radio wisely and economically.

We are headquarters for the Silver-Marshall 720 Screen-Grid Six and all other kits and parts of the famous Silver-Marshall line.

Intelligent, courteous service. Call, write, wire or phone.
Radio Manufacturers Supply Co.,
1000 South Broadway,
Los Angeles, Calif.

Gentlemen:

There are now in use on board the USS CALIFORNIA, Flagship of the Battle Fleet, five Silver-Marshall 720 screen grid six radio broadcast receivers. These receivers are giving faithful and satisfactory performance at all times, regardless of the short distance of the powerful ships transmitters.

In direct comparative tests, the Silver-Marshall screen grid six provided results superior to those obtained from other well known types of ready made receivers. The selectivity of these receivers is unconditionally adequate for the most congested radio condition as experienced in battleships and radio centers. The volume and quality is satisfactory for operation of dynamic loud speakers and give programs finer than heard elsewhere.

All officers' messes and crew divisions use these receivers. Today, I have received an order for one more set and will have more orders very shortly.

Yours very truly,
Thos. A. Marshall
Assistant to Fleet Radio Officer
## Log of Western Stations

### CALIFORNIA

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Hear Stations You've Never Heard Before!

10 Kc.

Selectivity

De Luxe Model Sargent-Rayment Screen Grid Seven

WBT, Charlotte, North Carolina

Many owners of Sargent-Rayment Seven receivers report hearing this station consistently. This is truly transcontinental reception. Never, until this season, have stations from North Carolina been regularly received on the Pacific Coast. WBT operates on a cleared channel and is on nearly every night until 9:30 p.m. our time. This station is easily located by first finding KNX and then dropping three wave channels lower on the dial. WBT comes in at about 20 on the Sargent-Rayment dial (KNX is about 22).

How the Sargent-Rayment Seven Differs from Other Receivers—

The difference is inside, where you cannot read-ily detect it. The Sargent-Rayment Seven uses screen grid tubes for radio frequency amplification. These tubes are so far ahead of all others that there is no basis on which they can even be com-pared. Screen grid tubes develop more power in a single stage than other tubes, including A.C. tubes. 301-A's and 59's will develop in ALL STAGES. Imagine then what STAGES OF SCREEN GRID AMPLIFICATION means! Is it any wonder that WLW, Cincinnati, and WGN, Chicago, are brought in so loud that the volume control has to be CUT DOWN while they are being received?

Verniers on Each Stage

Every set has them. They are an absolute neces-sity. On most sets, however, they are concealed inside the box, where they are adjusted for appropri-ate setting which does not tune the set exactly to any wavelength. On sets of this type, there are no knobs on the verniers—they are usu-ally adjusted with a long handled screwdriver or similar instrument.

On the Sargent-Rayment Seven the verniers are right out in front where they are easily accessible for adjustment. On weak, distant stations vernier adjustments make a tremendous difference. For local and coastwise reception they need not be touched. They can be left in an appropriate set-ting and all tuning done with the main dial. However, everyone who knows radio knows the utter impossibility of using a single dial to tune four stages perfectly—meaning without verniers. With the Sargent-Rayment Seven you have a SINGLE DIAL receiver—but with verniers for use WHEN YOU WANT THEM.

For the "B" Supply

"B" and Power Amplifier

For the finest in radio reception, the 350 tube in the second audio stage is an unques-tioned necessity. We offer here the best power unit on the market to handle this high power tube. Silver-Marshall 675-ABC supplies all voltages needed for filament, plate, and grid of the 350 tube. Put the tube in the largest audio socket of your set, run it from the 675 unit, and run the "B" power for your whole receiver from this unit also. Volts of 150, 135, 90, 67, 22. Will handle any set. Ideal for the Sargent-Rayment Seven. Price, less CX-381 tube, $58.00.

The Best "B" Supply

The difference between an ordinary "B" supply and a good one is in its reserve power; which in turn depends upon its filter and transformer design. A large alzo wire on the transformer will let through more milliamperes without vacuum drop. A large filter con-denser will store them up ready for delivery when a powerful low note comes through on the receiver. On the strong, low notes, a weak eliminator will cause "blasting": a good one will not. We endorse the Silver-Marshall 670-B as the best "B" eliminator made. Look at its size, its construction, then judge for yourself. Has voltage taps for 150, 135, 90, 22 to 90 variable, and 22. Will handle 12 tubes or more. Price, less CX-380 tube, $14.50. Buy it from the concerns listed below.

"B" Stabilizer

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

Prices

For the kit—Grained aluminum finish, $120.00; crackle crystaline finish, $140.00.

For the built-up set—Grained aluminum finish, $150.00; crackle crystaline finish, $160.00.

Where To Buy

PACIFIC NORTHWEST

Wedel Company
520 Second Ave. Seattle, Wash.

CENTRAL CALIFORNIA

Oppenbach Electric Company
1452 Market St., San Francisco

Electric Supply Company
370 11th St., Oakland

SOUTHERN CALIFORNIA

Radio Supply Company
912 S. Broadway, Los Angeles

Radio Manufacturers Supply Co.
1900 S. Broadway, Los Angeles

C. C. Lawon

1125 Wall St., Los Angeles

Herbert H. Horn

1829 S. Hill St., Los Angeles

Distributed to the Trade West of the Rockies by:

RADIO CONSTRUCTORS CORPORATION

357 Twelfth St. Oakland, Calif.
With "Sparky" Watson at the throttle, this train brought twelve carloads of Majestic Electric Radio into Los Angeles Sunday, insuring a Majestic Christmas for thousands.

The twelve carloads of Majestic Electric Radio receivers that were unloaded in the east yards of the Union Pacific Railroad in Los Angeles last Sunday morning were sent to Los Angeles in response to an urgent request made to the manufacturers by Harry A. Ungar and Irving D. Watson, President and Secretary-Treasurer respectively of Ungar & Watson, Inc., wholesale distributors for Majestic, who made a hurried trip to Chicago to secure additional Majestic receivers for Christmas delivery in the Southwest.

The receipt of this shipment means that upwards of 2000 families in Southern California and Arizona will have a Majestic Radio Christmas, and Majestic dealers throughout the territory have been urged to install these Christmas Majestics on December 24th so the recipients will be able to tune in on the Majestic Christmas program that will be broadcast over KHJ next Monday evening starting at 7:30 p.m. and continuing until midnight. This program will be the Majestic Radio Dealers' Christmas offering to the thousands of radio enthusiasts in Southern California who own Majestic receivers and will be the greatest program they have ever sponsored.

RADIO CABINETS of DISTINCTION
Built to Your Specification
See Our Beautiful Display

As a pioneer in the manufacturing and designing of radio furniture, we are able to supply your wants, from smallest table to the most elaborate console, at prices that will astonish you.

GOODWORK CABINET SHOP
Open Evenings till 8.—Sundays till noon.
6707-15 Avalon Blvd. THornwall 3159 Los Angeles
Radio Doings
December 22
National Broadcasting Co., Inc.
PACIFIC COAST NETWORK

KFI 1100
KPO 1010
KGO 1230
KW 1460
KOMO 1660
KHQ 670

JENNINGS PIERCE
Assistant Program Director

DAILY
3:00 p.m.—"Theme broadcast" (except Saturday).
5:00 p.m.—"The Broadway's Dance Orchestra" (except Sunday).

SUNDAY, DECEMBER 23
1:30 p.m.—"Fourieres Reproduces their program with a change of voices.
Broadcast over KFI, KPO, KGO, KFI, and KHQ.

7:15 p.m.—"Adolesc Rhythm" will open the Sunday Afternoon Concert by the National Concert Orchestra, Broadcast over KFI, KOMO, KOW, KPO, and KFI.

7:45 p.m.—"The First Gift," based on an episode occurring during the first Christmas in Bethlehem, will be the dramatization presented by the Biblical Drama period.

Broadcast over KFI, KOMO, KGO, KPO, and KFI.

6:15 p.m.—"Atwater Kent program presents a Christmas music selection, suitable for Christmas number.
Broadcast over KFI, KOMO, KGO, KPO, and KFI.

7:15 p.m.—The Davis Choral, accompanied by an instrument ensemble, will be featured during the Christmas music period.
Broadcast over KFI, KOMO, KGO, KPO, and KFI.

7:45 p.m.—Whitney's Angel-Visiters program presents an interesting group of numbers.
Broadcast over KFI, KOMO, KGO, KPO, and KFI.

M O N D A Y, DECEMBER 24
10:30 a.m.—"Woman's Magazine of the Air." Broadcast over KFI, KPO, KGO, KFI, and KHQ.

9:30 p.m.—"General Motors Family Party.
Broadcast over KFI, KOMO, KGO, KPO, and KFI.

9:45 p.m.—"The Voice of Filene's" brings one of the best-known Christmas songs.
Broadcast over KFI, KOMO, KGO, KPO, KFI, KLB, and KOL.

9:30 p.m.—"Humor inside, intended for hill tided listeners to sleep, will be presented.
Broadcast over KFI, KOMO, KGO, and KFI.

T U E S D A Y, DECEMBER 25
10:10 a.m.—"Woman's Magazine of the Air.
Broadcast over KFI, KOMO, KGO, KPO, and KFI.

3:00 p.m.—"The Messiah." Handel's immortal oratorio, will be given by four soloists, a chorus headed by nine favorite radio artists and a 25-piece or- 
in, directed by Mac Flecknoe.
Broadcast over KFI, KOMO, KGO, KPO, and KFI.

7:00 p.m.—"The Citroen Club Thanksgiving Broadcast over KFI, KW, KOMO, KGO, KPO, and KFI.

7:30 p.m.—"Golden Reel" Broadcast over KFI, KOMO, KGO, KPO, and KFI.

8:00 p.m.—"Plantation Echoes" Broadcast over KFI, KOMO, KGO, KPO, and KFI.

December 22
Directory of Southern California Stations

Radio Doings
December 22

KFI 1100
KPO 1010
KGO 1230
KW 1460
KOMO 1660
KHQ 670

The Ideal Christmas Gift
Long Distance Guaranteed

Radio Station

BCA Radio Cola

$147.00
Tone Quality

Real Selectivity
You'd Be Surprised

Less Tubes

Within 10 KC

ELECTRIC LIGHTING SUPPLY CO.
216 West Third Street
Los Angeles
Merry Christmas
and a
Happy New Year

PATTERSON RADIO CORPORATION
239 South Los Angeles Street
MUltual 5827 Los Angeles
Radio Doings

December 22

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

KFI
Los Angeles, Calif.—640 Kc.

5000 WATTS—485.5 METERS
Radio Central Super-Station of Earl C. Anthony, Inc.
100 S. Hope, Phone Wf. 6031, After 5 P.M., We. 6337.

DAILY EXCEPT SUNDAY

8:00 a.m.—Thank Happy Time from KPO.
12:00 noon—O. C. and U. S. Dept. of Agriculture Talks.
1:15 p.m.—Federal and State Market Reports.
1:00 p.m.—Talk on Traffic Violations (except Tuesday).
5:00 p.m.—Big Brother Ken (except Saturday).
10:00 p.m.—NBC Dance Music (except Monday and Tuesday).
5:30 p.m.—Nellie Callendar Mills, violinist.
5:50 p.m.—Dr. Perry Wise Clarkston of Better American Federation.
6:00 p.m.—Variety program.
6:30 p.m.—NBC—Palmolive program.
7:30 p.m.—NBC—Yellow Cab Company.
8:00 p.m.—Georgia O. George Lab.
9:00 p.m.—NBC—Associated Oil Company.
9:30 p.m.—NBC—Maxwell program.

THURSDAY, DECEMBER 27

9:00 a.m.—Musical program by Sylvia.
10:00 a.m.—Bristow & Rudin present Sylvia's Happy Hour.
11:00 a.m.—Georgia O. George Lab.
11:30 a.m.—NBC—Standard Oil Co. school program.
12:25 p.m.—Kenny and Ray.
1:30 p.m.—Elizabeth Cooper and May Cronin.
2:00 p.m.—Smiling Edna Marble; Helen White and Sarah Whitmore.
2:30 p.m.—Aaron Gonzales, pianist.
2:45 p.m.—Felix Orman, "American Motion Pictures in Europe."
3:00 p.m.—Alma and Adele Howell; Maxwell Grant, bass.
3:30 p.m.—Betty Thompson, piano and song.
4:00 p.m.—Jack McGuirl and Alice Stoddard.
4:30 p.m.—Kay Phillips.
4:45 p.m.—Dr. H. Edward Myer.
5:30 p.m.—Arthur Grace, Attorney.
5:45 p.m.—Senator George W. Cartwright.
6:00 p.m.—NBC—Sierra Tire and Rubber Co.
6:30 p.m.—Georgia O. George.
7:30 p.m.—NBC—Standard Symphony Hour.
8:00 p.m.—North American Building & Loan Assn.
9:00 p.m.—Talks.

FRIDAY, DECEMBER 28

10:30 p.m.—NBC—Woman's Magazine of the Air.
11:25 p.m.—Franklin L. Graves.
2:00 p.m.—Nunes Lei Tril.
2:30 p.m.—Wm. Don; Harold Raphael, tenor.
3:00 p.m.—Dolly McDonald, blues; Hilda Goldman and Cecilian Trio.
3:30 p.m.—John Miller, "Character Songs."
4:00 p.m.—Hugo Escobar, Spanish song.
4:15 p.m.—Studio program.
5:30 p.m.—Dance orchestra.
6:00 p.m.—NBC—Wrigley program.
7:00 p.m.—Mrs. E. C. Crossman, contralto.
7:30 p.m.—NBC—Russian Symphony Orchestra from WEA.
8:00 p.m.—NBC—R. C. A. Hour.
9:00 p.m.—Georgia O. George.

SATURDAY, DECEMBER 29

9:30 p.m.—Musical program by Sylvia.
9:30 p.m.—Sylvia's Happy Hour.
12:25 p.m.—Louisa F. Klein, Silvertone Harmonic Trio.
12:30 p.m.—Paris Inn Café Orchestra; E. E. Shears, dir.
1:30 p.m.—Dicky Thomas and Berry Hill.
2:00 p.m.—Chinese Garden Cafe Orchestra; "Butch Affumian, director.
3:00 p.m.—College Oratorical Corp.; Mrs. Bowser, director.
3:45 p.m.—Ruth Haddock, soprano.
4:30 p.m.—Opal Snow, Balladette.
4:45 p.m.—Walter W. Smith, dietician.
5:00 p.m.—NBC—Walter Damrosch, from N. Y.
6:00 p.m.—NBC—Philco Hour.
7:00 p.m.—NBC—Lucky Strike Hour.
8:00 p.m.—Packard Concert Orchestra; Pryor Moore.
9:00 p.m.—Packard Concert Orchestra; Pryor Moore.
9:30 p.m.—Georgia O. George Lab.
10:00 p.m.—Packard Concert Orchestra; Pryor Moore.

*Scheduled for detailed program of National Broadcasting Company.

GILFILLAN

SALES & SERVICE — HEmpstead 5590

139 N. Larchmont

Open Evenings
2+2=4 plus

Putting 2 and 2 together and getting more than 4. That's what over 2/3 of the RCA licensed manufacturers did, and found the result was "Polymet." Recognizing the importance of the quality of the fixed condensers and resistances incorporated in their sets, they did not minimize dependability or service as equally essential features, and so they chose Polymet Products.

Can any set builder afford to disregard such a testimonial in selecting parts?

Polymet Products Include:
Filter Condensers . . . . . . Block Condensers
Mica Condensers . . . . . . Molded Condensers
Strip Resistances . . . . . . Metalized Resistances
Wire Wound Resistances . Filament Resistances
Potentiometers . . . . . . . . Phone Plugs
Rheostats . . . . . . . Mountings . . . . Polytrols

POLYMET MANUFACTURING CORPORATION
New York City

District Representative
THE SPECTOR COMPANY
Rialto Building
San Francisco

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

KHJ
Los Angeles, Calif.—900 Kc.

Glen R. Dolberg
Night Time Director
E. K. Barnes
Daytime Director
C. M. C. Raymond
Commercial Director
Ernest G. Underwood
Technical Director

4:30 p.m.—Mary Shannon Harrington.
5:00 p.m.—Pacific States Savings & Loan Co. program.
7:00 p.m.—Inglewood Park Cemetery Ass'n.
8:00 p.m.—Wetherby Kayser Shoe Co. program.
9:00 p.m.— histograms.

TUESDAY, DECEMBER 25
10:00 a.m.—University of Southern California.
11:15 a.m.—Dr. Eugene Brown, talk on "Health."
12:15 a.m.—L. A. Adr. Club luncheon, from Biltmore.
2:00 p.m.—U. S. C. Trojan Hour.
2:30 p.m.—Street and Highway Safety.
4:00 p.m.—Dr. Frank McCoy, health talk.
4:30 p.m.—Rabbi Edgar Maslin's Hour.
7:00 p.m.—Giffhilan Radio program.
7:30 p.m.—Overall Furniture Co. playlet.
8:00 p.m.—Edison Co. program.
9:00 p.m.—Don Lee Symphony.

WEDNESDAY, DECEMBER 26
10:00 a.m.—University of Southern California.
12:45 p.m.—L. A. Optimists' Club Luncheon.
2:00 p.m.—Dr. Eugene Brown, health talk.
2:30 p.m.—Los Angeles Public Library.
4:00 p.m.—Fred C. McNab, Garden talk.
6:15 p.m.—Organ recital, courtesy Giffhilan Radio.
8:00 p.m.—Pacific States Savings & Loan Co. program.
9:00 p.m.—Elvira Allman's Surprise Package.

THURSDAY, DECEMBER 27
10:00 a.m.—University of Southern California.
2:00 p.m.—Bureau of Public Safety.
2:30 p.m.—Dorothy Ellen Cole, "This and That."
4:30 p.m.—Dr. Philip M. Lovell, "Care of the Body."
4:30 p.m.—"Uncle Jerry," "Trip Through Finland."
7:00 p.m.—Inland Empire Park Cemetery Association.
7:30 p.m.—Giffhilan Radio program.
8:00 p.m.—Unzel & Watson, Inc.
9:00 p.m.—Martin Music Co. program.

FRIDAY, DECEMBER 28
8:00 a.m.—Vandike
9:00 a.m.—Yorudo Woodlands Breakfast Club.
9:30 a.m.—U. S. C. Trojan program.
12:30 p.m.—Florece Robinson.
3:00 p.m.—Elvira Allman's Surprise Package.
4:00 p.m.—Los Angeles City Schools program.
4:30 p.m.—Council of International Relations.
7:00 p.m.—U. S. C. Trojan program.
7:30 p.m.—Myrobl Chemical Co. program.
8:00 p.m.—Continuity program, written by Van C. Newkirk.
9:30 p.m.—Don Lee Symphony.

SATURDAY, DECEMBER 29
8:30 a.m. to 12:00 noon—Dark.
2:00 p.m.—KHJ Concert and Soloists.
3:00 p.m.—Melody Masters.
7:30 p.m.—Rond Electric Corp. program.
7:30 p.m.—General Motors Co. program.

MAJESTIC!
ATWATER-KENT
AXridge 1581
4411 S. Broadway

The RADIO COLLEGE of CALIFORNIA
Extends to Dealers, Distributors and those interested in Radio
"A Merry Christmas and Prosperous New Year" A New Class Now Enrolling in
Movietone—Vitatphone—Custom Building—Servicing—Repairing
Terms Arranged to Suit You—Day and Evening Classes

RADIO COLLEGE OF CALIFORNIA
921 W. 6th St.
Employment Service

Write in Your Technical Questions. They Will be Answered Between 4 and 5
Every Monday, over Station KTM (formerly KNRC).
Why Take a Chance?

Years of careful buying have taught us how to choose

We Offer

Atwater Kent
Model 40

The greatest values in modern Radios. Either one will bring joy to your home. Let us prove our sincerity by demonstration.

Prices range from $123.00 to $925.00.

Sparton
Model 89A

Majestic
Model 72

Birch-Smith Furniture Co.

737 South Hill Street (near 8th)

Phone TRinity 4121
KNX
Hollywood, Calif.—1050 Kc.
5000 Watts—288.3 Meters—Los Angeles Evening Express
Paramount-Lasky Studio, 5:00 P.M. Marathon
"The Voice of Hollywood"

8:00 p.m.—First Presbyterian Church of Hollywood.
9:00 p.m.—Calmon Lubovici, master violinist; Claire Melious, pianist; Walter V. Ferns, violinist.
MIDNIGHT, DECEMBER 24
11:00 a.m.—Georgia O. George.
4:00 p.m.—Perfect eyesight without glasses.
5:30 p.m.—Straska Laboratories, Wedgewood Nowell, through the courtesy of the Overale Furniture Co.
8:30 p.m.—Pellard Music Company.
9:30 p.m.—Feature program.

TUESDAY, DECEMBER 25
11:30 a.m.—French lessons by Dr. Leed, Leon.
2:30 p.m.—Musical program.
4:00 p.m.—Garden talk by Dewey R. Kruckeborg.
7:30 p.m.—Talk by Dr. Mars Baumgardt.
7:30 p.m.—Straska Laboratories, presenting Tom Mitchell, baritone.
8:30 p.m.—Hercules Gasoline Co. courtesy program.
9:30 p.m.—Feature program.
WEDNESDAY, DECEMBER 26
4:00 p.m.—Perfect eyesight without glasses, by Dr. Wesley M. Barnett.
6:30 p.m.—Playgoers’ Club, conducted by Wedgewood Nowell.
7:30 p.m.—Maytag Company courtesy program.
7:30 p.m.—Straska Laboratories, presenting Tom Mitchell, baritone.
8:30 p.m.—Brown-Israel Company.
8:30 p.m.—Great Moments in Blueways.
9:00 p.m.—Feature program.
THURSDAY, DECEMBER 27
12:00 a.m.—French lessons by Leed, Leon.
2:30 p.m.—Paul Fuson.
4:30 p.m.—Louise Johnson, reading horoscopes.
7:30 p.m.—Straska Laboratories, presenting Tom Mitchell, baritone.
7:30 p.m.—Imperial Gas Company.
8:00 p.m.—Platt Personality program.
9:00 p.m.—Feature program.
FRIDAY, DECEMBER 28
10:30 a.m.—Straska Laboratories, presenting Tom Mitchell, baritone.
2:25 p.m.—A. Dist, Fed. of Women’s Clubs.
4:30 p.m.—Perfect eyesight without glasses.
7:30 p.m.—Straska Laboratories, presenting Tom Mitchell, baritone.
7:30 p.m.—Hancock Oil Company.
8:30 p.m.—Royal Order of Optimistic Durers.
9:30 p.m.—Gilmore Oil Company.
9:45 p.m.—Main event from the Hollywood Legion Stadium, through the courtesy of Dan Parker.
SATURDAY, DECEMBER 29
10:30 a.m.—Beauty talk, courtesy of Madame Marie.
1:00 p.m.—C. P. R.’s musical program.
5:00 p.m.—Playgoers’ Club; Wedgewood Nowell.
7:30 p.m.—Bundy & Algrib program.
8:30 p.m.—Announcement of church services.
8:35 p.m.—Feature program.
9:00 p.m.—Mr. and Mrs. Radio Skit.
9:20 p.m.—Feature program.
10:30 p.m.—The Dorado Club Silver Fizz Dance Hour.
2:30 p.m.—The Midnight Express.

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727 Venice Blvd., Los Angeles

WESTERN RADIO, INC.  
1224 Wall St., Los Angeles
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**KMTR**

Hollywood, Calif.—570 Kc.

500 WATTS—526.0 METERS

KMTR RADIO STATION, 1028 N. Highland Ave., HOLLY 2024

The Official Broadcasting Station of the Los Angeles Evening Herald

**KPLA**

Los Angeles, Calif.—570 Kc.

500 WATTS—526.0 METERS

Commercial Exchange Building, Eighth and Olive Streets

Official Station of The Los Angeles Examiner

**WMAY**

Chicago, Ill.—910 Kc.

250 WATTS—293.0 METERS

Commercial Exchange Building, S. Dearborn St.

Official Station of The Chicago Evening Post-Free Press

**WGN**

Chicago, Ill.—720 Kc.

1,000 WATTS—865.0 METERS

Commercial Exchange Building, 420 N. Michigan Ave.

Official Station of The Chicago Tribune

**WJR**

Detroit, Mich.—1310 Kc.

5,000 WATTS—365 METERS

Commercial Exchange Building

Official Station of The Detroit News

**WJR**

Detroit, Mich.—1310 Kc.

5,000 WATTS—365 METERS

Commercial Exchange Building

Official Station of The Detroit News

**WJR**

Detroit, Mich.—1310 Kc.

5,000 WATTS—365 METERS

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Walter Biddick — Phone WESTmore 9137

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Hollywood, Calif.—950 Kc.

**KFWB**

1000 WATTS—115.6 METERS
WARNER BROS. MOTION PICTURE STUDIOS
Warner Brothers’ Theater, 6425 Hollywood Boulevard

8:10 p. m.—Program In Honor of “My Man.”
9:00 p. m.—Bill’s Istaiate Review.
MONDAY, DECEMBER 24
1:30 p. m.—Ann Grey, blues; Don Warner.
6:30 p. m.—Vivian’s Jubilee Hour, broadcast from New York over the Columbia Broadcasting System.
7:00 p. m.—Harry Jackson and his entertainers, by remote control from Pig’n Whistle, Hollywood.
7:30 p. m.—The Kolater Orchestra.
8:00 p. m.—Sellers’ Hall-Tread Orchestra and entertainers.
9:00 p. m.—Daily news.
9:10 p. m.—Vincenzo Fonetti’s Concert Orchestra: Emma Kimmel.

TUESDAY, DECEMBER 25
1:30 p. m.—Ann Grey, blues; Don Warner.
9:00 p. m.—Edgeworth Club program.
9:30 p. m.—Olympia Auditorium boxing bout.
10:30 p. m.—Roy Fox’s Orchestra, from Montmartre.

WEDNESDAY, DECEMBER 26
8:00 p. m.—Desmond’s program, featuring their concert orchestra and soloists.
9:00 p. m.—Moneth Gillum’s songs; the Serenaders.

THURSDAY, DECEMBER 27
8:00 p. m.—R. J. Cowan, blues; Len Nash and his Country Boys.
9:00 p. m.—Vernon Rickard, tenor, and the Federal Radio Orchestra.

FRIDAY, DECEMBER 28
7:45 p. m.—Jean Leonard, “Wizard of the Ivories.”
8:00 p. m.—Daily news items.
8:10 p. m.—Spanish program.
9:00 p. m.—Light Opera Hour, played by Vincenzo Pometti’s Concert Orchestra, assisted by Emma Kimmel, soprano, and Charles Beauchamp, tenor.

SATURDAY, DECEMBER 29
7:45 p. m.—Don Warner in piano solos.
8:00 p. m.—Mena Motor Oil Co., presenting the Mena Motor Orchestra; Ann Grey, popular songs.
9:00 p. m.—Program in honor of the Illustrated Daily News.

**KGFH**

Glendale, Calif.—1000 Kc.

250WATTS—289.3 METERS
Main Studio: Hotel Glendale, E. Broadway and Glendale Blvd. Douglas 3326, Los Angeles Tel. CA. 6388

4:00 p. m.—Bill Nestell, singing Cowboy and His Musical Herd.
5:00 p. m.—Business Announcements and Music.
5:30 p. m.—Variety Program.

WEDNESDAY, DECEMBER 26
11:30 a. m.—Rev. C. A. Cole.
4:30 p. m.—Jean Lincoln, dramatic soprano.
4:30 p. m.—Business Announcements and Recordings.
5:45 p. m.—Late news items.

THURSDAY, DECEMBER 27
11:30 a. m.—Parliamentary Law Club of Glendale.
4:20 p. m.—Studio Program.
4:30 p. m.—Business Announcements and Recordings.
5:30 p. m.—Larry Green, tenor; Marita Ross, popular ballads.

FRIDAY, DECEMBER 28
11:30 a. m.—Dr. Juno Walton, numerologist.
4:30 p. m.—Glendale Harmony Trio; Marguerite Bayer, ballads.
4:45 p. m.—Business Announcements and Recordings.

SATURDAY, DECEMBER 29
11:30 a. m.—Mr. Myers of Glendale Chamber of Commerce.
4:30 p. m.—Lucille Jackson Hart, Harold Hart.
4:45 p. m.—Business Announcements and Music.
10:10 p. m.—Sierra Club Frollic; Red Wyatt.
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Santa Monica, Cal.—780 Kc.

500 WATTS—384.4 METER
Municipal Auditorium, Ocean Park, Santa Monica, Calif.
Phone Santa Monica 31-101
Los Angeles Studio: Elks' Temple 99—DUnkirk 6194
Pickwick Broadcasting Corporation
Clarence B. Juneau, Chief Transmission Engineer
Harry D. Mills, Chief Structural Engineer

2:30 p. m.—Santa Monica Municipal Band concert.
3:30 p. m.—Maryle Holmes Trio.
4:30 p. m.—Elks' Mighty Organ recital.
8:00 p. m.—Liddell's University Six playing in the Elks' dining room.
8:30 p. m.—Wm. Sabransky, organist; Hal Hooper, ballads.
9:00 p. m.—Really Trio.
10:00 p. m.—Plantation Cafe Frolle; Cass Hagan's Orchestra featuring Red Nichols and His Five Pennies.
MONDAY, DECEMBER 24
3:20 p. m.—Berlitz Method Spanish lesson.
4:00 p. m.—Question Box for questions on radio.
8:30 p. m.—Jewish Broadcasting Ass'n program.
10:00 p. m.—Bob White, baritone; Vera Hambly, mezzo-contralto.
TUESDAY, DECEMBER 25
8:30 p. m.—Hawaiian Trio.
10:00 p. m.—Carol Laugher Quartet.
WEDNESDAY, DECEMBER 26
3:20 p. m.—Berlitz Method Spanish lesson.
8:30 p. m.—Maryle Holmes, violin; Dorothea Vogel.
10:00 p. m.—Vera Hambly, mezzo-contralto; Bob White.
THURSDAY, DECEMBER 27
8:30 p. m.—Hawaiian Trio.
10:30 p. m.—Carol Laugner's Quartet.
FRIDAY, DECEMBER 28
3:20 p. m.—Berlitz Method Spanish lesson.
8:30 p. m.—Maryle Holmes, violin; Dorothea Vogel.
10:00 p. m.—Vera Hambly, mezzo-contralto; Bob White.
SATURDAY, DECEMBER 29
1:00 p. m.—Rosailes Lane, popular songs; Polly Grant Hall, pianist.
8:30 p. m.—Hawaiian Trio.
10:00 p. m.—Carol Laugner Quartet.

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**KMIC**

**Inglewood, Calif.—1120 Kc.**

500 WATTS—267.7 METERS

Chamber of Commerce Bldg., Inglewood, Calif.

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**LITTLE EDDIE BARNES**

**TW. TH. 1121**

Owned and Operated by

James R. Feuch

**Little Eddie Barnes**

Studio Director and

Program Manager

**Mildred Jean**

Noon Announcer

**E. B. Olinstaed**

Chief Technician

**NEWS BULLETIN**

**HOURLY**

**DAILY EXCEPT SUNDAY**

8:00 a. m.—Recordings.

9:00 a. m.—Little Eddie Barnes, songs.

9:45 a. m.—Mabel's Cooking Hints.

12:00 noon—Symphony Recordings.

1:00 p. m.—Mae of the Air.

5:00 p. m.—Dance Records.

**MONDAY, DECEMBER 24**

6:00 p. m.—Organ recital.

6:30 p. m.—F. B. Miller program.

6:45 p. m.—Cactus Mfg. Co.

7:00 p. m.—City of Inglewood program; Pastel Concert Trio.

8:00 p. m.—Silvertone Hawaiian Trio.

8:30 p. m.—Sherman Hunter, tenor.

9:30 p. m.—Gus Gagel and his Legion Six Orchestra.

**TUESDAY, DECEMBER 25**

6:30 p. m.—Organ recital.

6:30 p. m.—F. B. Miller program.

6:45 p. m.—G. S. Hahn, prominent attorney.

7:00 p. m.—Martin Hawaiian Berendars.

**KFQZ**

**Los Angeles, Calif.—850 Kc.**

250 WATTS—322.7 METERS

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

**Walter King, Gen. Mgr.**

L. E. Taft, Studio Mgr.

At Washington

Chief Announcer

Bob Swan, Announcer

Al Cajal, Studio Acc.

Monroe Manning

Business Manager

Pearl Berman

Program Director

**DAILY EXCEPT SUNDAY**

7:00 a. m.—Panatrope.

8:30 a. m.—Prosperity Program, with Orchestra.

10:00 a. m.—Panatrope and Shopping News.

12:30 noon—KFOZ Quintet and Al Cajal.

3:00 p. m.—Panatrope and Shopping News.

6:00 p. m.—Silent.

10:30 p. m.—Jesse Stafford and his Brunswick Recording Orchestra, by remote control from the Cinderella Roof.

12:30 midnight—Panatrope Request.

**SUNDAY, DECEMBER 23**

2:00 a. m.—Breakfast program.

9:30 a. m.—Melrose Radio Shop program.

9:30 a. m.—Murray's Restaurant.

10:00 a. m.—Courtney programs.

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**Radio Doings December 22**

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

**KGFJ**

Los Angeles, Calif.—1420 Kc.

211.1 METERS—Washington Blvd. at Oak St.

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

**DAILY EXCEPT SUNDAY**

12:00 to 7:00 a.m.—Nite Owl program.

7:00 a.m.—Breakfast program.

8:30 a.m.—Gordon Smith's Radiotlasting Service; Albert Keglovich, violinist; Blanche Cooper, pianist.

9:30 a.m.—Adolphe Millar Beauty Talk.

10:00 a.m.—Recordings.

11:30 a.m.—Noon Airline Radio Service.

12:00 noon.—Rae Silverman, blues singer; Esther Kahl, pianist.

1:00 p.m.—Studio program.

3:00 p.m.—Dick Moders and his Bandoliers.

7:00 a.m.—Gordon Smith's Radiotlasting Service.

8:30 a.m.—Rae and Esther, blues.

8:30 a.m.—Maurice Menges and his El Patio Orchestra, remote control from El Patio Ballroom.

10:30 p.m.—Silver Fizz Frolic.

**SUNDAY, DECEMBER 23**

12:00 midnight.—Nite Owl program.

7:00 a.m.—John Wright program.

**KELW**

Burbank, Calif.—780 Kc.

MAGNOLIA PARK. 500 WATTS—384.4 METERS

"The White Spot of the San Fernando Valley"

**DAILY EXCEPT SUNDAY**

10:00 a.m.—Audrey Evans, Glendale Merchants' Hour.

11:00 a.m.—World News and Panatrope.

5:30 p.m.—Californian String Quartet (except Thurs.).

6:00 p.m.—Twilight Club Entertainers.

**SUNDAY, DECEMBER 23**

10:00 a.m.—First Baptist Church, Glendale.

5:30 p.m.—First Baptist Church, Glendale.

**MONDAY, DECEMBER 24**

7:30 p.m.—Earl Meecher, presenting "Selections from the Messiah," with soloists and chorus of Asbury M. E. Church.

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Esther Kahl at the Piano

KGFJ

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Just a few extra cents bring you more active materials, and 25% to 30% longer life

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We offer you just about that.

For instance, if you have been using medium size “B” batteries, such as the Eveready Medium Size No. 772, next time buy the Eveready Layerbilt “B” Battery No. 485. This will last 25% longer, though it costs you only 20 cents more.

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Both these Eveready Layerbilts contain flat cells instead of cylindrical ones. The flat cells pack together tightly, occupy all available space inside the battery case, and so make it possible to put considerably more active, current-producing materials in the battery. That's why Eveready Layerbilts last 25% to 30% longer than cylindrical cell Evereadys of the same size, making them the most economical Evereadys, size for size.

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

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$4.25

**medium size Eveready Layerbilt “B” Battery**

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Radio Doings
December 22

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CLARENCE CARY
Announcer

Kenton

Downtown, Cal.—1250 Kc.

Where Your Ship Comes In

1000 WATTS—239.9 METERS—HANCOK DIL STATION

8:00 p.m.—First Church of Christ, Scientist.
11:00 p.m.—Studio Frolic.
12:00 midnight—Egyptian Tom Cats.

MONDAY, DECEMBER 24

7:00 p.m.—Nuydian's Buttercream School.
8:00 p.m.—Goodyear Quartet and Entertainers.
11:00 p.m.—New Masonic Temple organ, Dick Dixon.

TUESDAY, DECEMBER 25

1:00 p.m.—Kiwaisi Club Luncheon.
4:30 p.m.—Haymaker's Old-Time Dance Music.
6:45 p.m.—Dr. Rolf T. Williams, tubercular specialist.
7:00 p.m.—Sunset Hawaiian Trio.
11:00 p.m.—New Masonic Temple organ, Dick Dixon.
12:00 midnight—Recordings.

WEDNESDAY, DECEMBER 26

1:00 p.m.—Rotary Club Luncheons.
7:00 p.m.—Musical program.
7:30 p.m.—Pacific Coast Club Orchestra.
8:30 p.m.—Long Beach Municipal Band.
11:00 p.m.—Pacific Coast Club Orchestra.

THURSDAY, DECEMBER 27

1:00 p.m.—Health and Efficiency, Dr. Clarke.
4:30 p.m.—Haymaker's Old-Time Music.
5:30 p.m.—Hear Cafe Orchestra.
7:00 p.m.—Sunset Hawaiian Trio.
7:30 p.m.—Chrysler program.
8:00 p.m.—Texas Cowboys' Old-Time Music.
8:30 p.m.—Long Beach Municipal Band.
11:00 p.m.—New Masonic Temple organ, Dick Dixon.

FRIDAY, DECEMBER 28

1:00 p.m.—Vocals Club Luncheon.
7:00 p.m.—“Em and Clem.”
7:30 p.m.—Chrysler program; Pac. Coast Club Orchestra.
8:30 p.m.—Theatrical Stars.
11:00 p.m.—Pacific Coast Club Orchestra.
12:00 midnight—Recordings.

SATURDAY, DECEMBER 29

7:00 p.m.—Sunset Hawaiian Trio.
7:30 p.m.—Chrysler program; Pac. Coast Club Orchestra.
8:30 p.m.—Songs of Long Ago.
8:30 p.m.—Long Beach Municipal Band.
11:00 p.m.—Pacific Coast Club Orchestra.

KEJK
Beverly Hills, Cal.—1250 Kc.

500 WATTS—238.9 METERS
Operated by Macmillian Petroleum Co.
Home Beautiful Exhibit Bldg.

10:00 p.m.—“Christmas Evening,” with Helen Fraser.
Macmillan, Lucy Day, Tudor Williams, and quartet.
Edward Jordon and Mildred Ware.

WEDNESDAY, DECEMBER 26

2:00 p.m.—Variety matinee, featuring KEJK Orchestra:
Mildred Ware, contralto; Edward Jordon, tenor;
Tudor Williams, baritone; Joseph Colling, trumpet solo.

9:00 p.m.—Hours with American composers: “Short Sketch of Victor Herbert,” with KEJK Orchestra:
More Mileage Music Makers; Helen Fraser Macmil-
lan, and KEJK Mixed Quartet.

THURSDAY, DECEMBER 27

2:00 p.m.—Variety matinee, featuring Marshall Chas-
shuidan, violin; Lucy Day, soprano; Tudor Williams,
baritone; Edward Jordon, tenor, and KEJK Orchestra.

9:00 p.m.—“A Night in Spain,” with Spanish Troub-
dour solos.

10:00 p.m.—Studio program, featuring KEJK exclusive
talent.

FRIDAY, DECEMBER 28

2:00 p.m.—Variety matinee, featuring KEJK exclusive entertainers and More Mileage Misto Makers.

9:00 p.m.—“Whe Lights Are Low,” a musically illus-
trated short story by Leon Campbell Macmillan.

10:00 p.m.—Program by KEJK Orchestra and More Mileage Music Makers.

SATURDAY, DECEMBER 29

2:00 p.m.—Variety matinee, featuring Lucy Day, sop-
ranos; Edward Jordon, tenor; Mildred Ware, con-
tralto; Charles Beynon, flute and vocal; KEJK Orches-
ta.

9:00 p.m.—Historical story on Finance, musically il-
}

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Open Evenings. Easy Terms
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BERTHA BREWSTER
Program Announcer

HAROLD BENDER
Technician

C. M. DOBYN

DAILY EXCEPT SUNDAY

8:45 a. m.—Staff Artist.
9:00 a. m.—Daily Calendar and Announcements.
9:15 a. m.—Morning Frolic.
10:15 a. m.—How to Be Beautiful (except Saturday).
10:30 a. m.—Dobyns Concert Trio.
11:00 a. m.—Imperial Theater Organ.
11:30 a. m.—Studio program.
12:00 noon—Your favorite popular number.
2:15 p. m.—Long Beach Municipal Band concert
5:00 p. m.—Children’s program.
7:30 p. m.—Long Beach Municipal Band concert
8:00 p. m.— Late News Bulletins
10:00 p. m.—Dick Sea and Majestic Orchestra.
11:00 p. m.—Dobyns Shoestrings.

SUNDAY, DECEMBER 23

9:30 a. m.—Tabitha Men’s Bible Class.
12:00 noon—First United Presbyterian Church services.
1:15 p. m.—Xylophone specialties—Karl Benedict.
2:15 p. m.— Handel Choral (Tub
3:30 p. m.—Thalas Worth While.
5:30 p. m.—Santa Ana program.
6:00 p. m.—Mrs. Hobt, McKinstry, contralto.
9:00 p. m.—Venetian Trio.

MONDAY, DECEMBER 24

1:00 p. m.—Exchange Club from the Hotel Virginia.
1:30 p. m.—Musical program.
4:00 p. m.—Child Psychology.
4:15 p. m.—Christmas program.
7:30 p. m.—Better English program.
8:15 p. m.—Woman’s Musical Club.
9:00 p. m.—Marlan Sauer, violinist.

TUESDAY, DECEMBER 25

8:30 a. m.—Devotions—Special Christmas music.
10:00 a. m.—Woman’s Music Club.
11:30 a. m.—Christmas play and music.
12:00 noon—Musical program.
1:30 p. m.—Children’s program from City Schools.
6:00 p. m.—Dance music.
7:30 p. m.—Long Beach Municipal Band concert.
9:00 p. m.—Studio program—Holly Alford.

WEDNESDAY, DECEMBER 26

1:00 p. m.—Advertising Club from the Hotel Virginia.
1:30 p. m.—Musical program.
4:00 p. m.—Home Economics—Mary Moore Monroe.
6:00 p. m.—Jolly Jesters’ Orchestra.
9:30 p. m.—Masque and Sandal Players—One-act play.
9:30 p. m.—“Smiling” Eddie Marble.

THURSDAY, DECEMBER 27

1:00 p. m.—Optimist Club program from Hotel Virginia.
1:30 p. m.—Voice Clinic.
4:00 p. m.—Dr. George Hunter—Educational Russia.
6:00 p. m.—Varied musical program.

FRIDAY, DECEMBER 28

1:30 p. m.—Vocal and Instrumental program.
7:00 p. m.—Elmer Jones.
9:00 p. m.—Erin Farley.

SATURDAY, DECEMBER 29

1:30 p. m.—Studio program.
7:20 p. m.—Church announcements and program.
11:00 p. m.—Major Frolic.

YOUR XMAS PROBLEM SOLVED!
A gift within reach of all, giving pleasure all through the year and at such a low cost!

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IMMEDIATE DELIVERY

PARAMOUNT RADIO CO., Manufacturers
1805 W. Seventh Street. WA. 0814. Los Angeles
December 22

Radio Doings

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

KWTC

Santa Ana, Calif.—1500 Kc.

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

"The Garden of Eden Station"

"Kum-West to California"

199.9 METERS—100 WATTS

WESTERN ELECTRIC INSTALLATION

the Delgado Spanish Entertainers, with Edward Delgado, baritone.

TUESDAY, DECEMBER 25

6:00 p.m.—Greenleaf Motor Melody Makers.

6:30 p.m.—Smiling Eddie Marble’s request hour.

6:30 p.m.—Lorene Matney, soprano; Allen Lair, piano

7:00 p.m.—Concert Orchestra.

8:00 p.m.—KWTC Selections—Male Quartet.

9:00 p.m.—Al Jasper, violin; Haskin Twins, piano and song; Don Moore, guitar, and guest numbers.

THURSDAY, DECEMBER 27

6:30 p.m.—Acme program.

7:30 p.m.—Santa Ana Travelogue presented by Edna Burge Paine, assisted by Sundown Hawaiian Trio.

FRIDAY, DECEMBER 28

8:30 p.m.—Smiling Eddie Marble’s request hour.

7:00 p.m.—Charmaine.

8:00 p.m.—Jack and Ray’s Music Box Hour.

9:00 p.m.—Santa Ana Junior College.

SATURDAY, DECEMBER 29

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

KFWC

Pomona, Calif.—1200 Kc.

Phone 1147

249.8 METERS—100 WATTS

Elberbey Reynolds
Studebaker Bldg.

MONDAY, DECEMBER 24

8:15 p.m.—Studio program, Floyd Maxwell, tenor.

TUESDAY, DECEMBER 25

8:15 p.m.—Studio program, KFWC Sunshine Girls.

WEDNESDAY, DECEMBER 26

9:15 p.m.—Floyd Young. Govt. weather man.

THURSDAY, DECEMBER 27

8:15 p.m.—Studio program, Sheets, Izer & Henderson, Novelty Girls.

FRIDAY, DECEMBER 28

7:00 p.m.—Playlet by Mrs. Brown’s Players.

8:15 p.m.—Studio program, Estella Hills and Miss Nafiel, novelty whistler.

SATURDAY, DECEMBER 29

6:45 p.m.—News Items, Pomona Progress Bulletin.

7:00 p.m.—Children’s hour, Mrs. Brown and her Kiddies.

7:45 p.m.—Ontario Shade & Linoleum Co., Miller Ovitt, One-Man Band.

8:15 p.m.—Studio program, Miss Saunders and Miss Adams, popular selections.

8:30 p.m.—De Luxe Market, Harvey’s Old-Timers and Government weather forecast.

8:45 p.m.—Chamber of Commerce Talk by Mr. Chas. P. Curran.

9:00 p.m.—Studio novelty program, old-time request numbers.

KPSN

Pasadena, Calif.—950 Kc.

1000 WATTS—315.6 METERS

The Star News Building

Tel. Wheelock 3111

George Cecil Cowing, Station Manager

P. C. Pryer, Program Manager

H. E. Satterfield, Chief Radio Engineer

DAILY EXCEPT SUNDAY

H. E. SATTERFIELD

12:00 noon—Records.

12:15 p.m.—Mid-Day News.

4:30 p.m.—Tea Time Concert.

6:30 p.m.—Late News.

6:15 p.m.—Evening Concert of Records.

SUNDAY, DECEMBER 23

8:00 p.m.—First Church of Christ, Scientist.
The essential features of these programs are identical with those sent by the stations.

**KGEF**

Los Angeles, Calif.—1300 Kc.

1000 Watts—230.6 Meters

TRINITY METHODIST CHURCH, BOB SHULER, Pastor

- 7:30 p.m.—The Hired Man and Thelma Green.
- 7:30 p.m.—John Unfried, gospel tenor; Thelma Green.
- 7:45 p.m.—Dean Haney and Doyle Cole.
- 8:00 p.m.—Bob Shuler's Question Hour.
- 8:30 p.m.—Raymond Schouten's piano recital.
- 9:00 p.m.—The Mrs. R. L. Wall studio program.
- 10:00 p.m.—Mozart Johnson, tenor.
- 10:30 p.m.—Leo, Whisler, whistler, and Hired Man.

**KTBI**

Los Angeles, Calif.—1300 Kc.

1000 Watts—230.6 Meters—Bible Institute of Los Angeles

HARRY P. HERDMAN, Announcer. Phone ME 8701

JOHN A. GLASSE, Director of Programs

B. W. BURNS, Technician

GORDON E. HOOKER, Accompanist

DAILY EXCEPT SATURDAY AND SUNDAY

<table>
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<th>Time</th>
<th>Program</th>
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<tr>
<td>8:30 a.m.</td>
<td>Uncle Fred's Biola Children's Club</td>
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<tr>
<td>8:30 a.m.</td>
<td>Morning Devotional Hour</td>
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<tr>
<td>9:00 a.m.</td>
<td>Studio music</td>
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<tr>
<td>9:15 a.m.</td>
<td>Radio Bible Course</td>
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<tr>
<td>2:00 p.m.</td>
<td>Visiting Pastor's Radio Ministry</td>
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<tr>
<td>8:15 p.m.</td>
<td>Christmas Carola, directed by Prof. J. B. Trowbridge</td>
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<tr>
<td>9:00 p.m.</td>
<td>Studio Musical Hour</td>
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**KFSG**

Los Angeles, Calif.—1120 Kc.

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

"Four Square Gospel"

- 2:30 p.m.—Dispensational Message.
- 6:30 p.m.—Levine Bartolotti and Angelus Temple Silver Band.
- 7:00 p.m.—Musical Hour, Temple Choir.
- 8:00 p.m.—Revival Service.
- 10:00 p.m.—Music Lover's Hour, Esther Fricke.
- 11:00 p.m.—Scripture Drama.

MONDAY, DECEMBER 24

10:00 p.m.—Scripture Drama, "No Room in the Inn."

TUESDAY, DECEMBER 25

3:00 p.m.—Bethesda Hour.

11:00 p.m.—Scripture Drama, "The King Who Held Court in a Stable."

WEDNESDAY, DECEMBER 26

2:20 p.m.—Divine Healing Service.

THURSDAY, DECEMBER 27

3:00 p.m.—Bethesda Hour.

8:00 p.m.—Water Baptism Service.

10:00 p.m.—Scripture Drama.

FRIDAY, DECEMBER 27

3:00 p.m.—Bethesda Hour.

SATURDAY, DECEMBER 28

3:00 p.m.—Bethesda Hour.

8:00 p.m.—Divine Healing Service.

10:00 p.m.—Scripture Drama.
December 22

Radio Doings

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

KFSD

San Diego, Calif.—600 Kc.

1000 WATTS—499.7 METERS

"The Air Capital of the West"

Telephone Franklin 8353

HARVEY T. COLLINS
President

TOM SEXTON
General Manager

GENE MERRITT
Chief-Technologist

DOROTHY ZIMBLEMAN
Program Director

DAILY EXCEPT SUNDAY

9:00 a.m.—Morning Musical, E. T. Peterson.
10:00 a.m.—Amy-Lou Shopping Hour.
11:00 a.m.—Service Hour.
12:30 p.m.—Pantages Organ Recital.
1:15 p.m.—Organ Recital.
4:45 p.m.—Musical Review.
6:00 p.m.—Time Signals.
7:30 p.m.—San Diego Union and Tribune news items.
7:45 p.m.—U. S. Government weather report.
8:00 p.m.—Time . .

SUNDAY, DECEMBER 23

11:30 a.m.—Music Box Review.
2:00 p.m.—Services, International Bible Students.
3:00 p.m.—Services, Theosophical Society.
4:00 p.m.—Spreckels Outdoor Organ, Balboa Park.
5:00 p.m.—Hutton’s Hotel Del Coronado Concert

MONDAY, DECEMBER 24

6:15 p.m.—Dinner program.
7:00 p.m.—Thearle Music Hour.
8:00 p.m.—Studio program.
9:00 p.m.—American Egypt Roundup.
11:30 p.m.—Plata Real Orchestra.

TUESDAY, DECEMBER 25

3:15 p.m.—Organ Recital, Balboa Park.

KGB

San Diego, Calif.—1360 Kc.

220.5 METERS—250 WATTS

PICKWICK TERMINAL HOTEL—FRANKLIN 8151-2-3

PICKWICK BROADCASTING CORPORATION

Henry Holman, Managing Director
Clarence B. Juseau, Chief Transmission Engineer
Harry D. Mills, Chief Structural Engineer

MONDAY, DECEMBER 24

4:15 p.m.—Church of Jesus Christ, L. D. S.
8:00 p.m.—Johnnie Athalde, tenor.
8:30 p.m.—Five Aces Dance Orchestra.
9:30 p.m.—Pickwick Players.

TUESDAY, DECEMBER 25

10:00 a.m.—Special Christmas program.
8:00 p.m.—Betty Sue, popular songs.
8:30 p.m.—LeRoy Currier, Irish tenor.

WEDNESDAY, DECEMBER 26

2:30 p.m.—Pickwick Movie Club.
8:30 p.m.—Abelardo Valez, Spanish tenor.

THURSDAY, DECEMBER 27

5:00 p.m.—Johnnie Athalde, tenor.
9:00 p.m.—Fritz James, Dance Orchestra.
9:15 p.m.—Bill Rosel and Dan Ryan.

FRIDAY, DECEMBER 28

9:00 p.m.—Manila Le Mor.
10:00 p.m.—Request program.

SATURDAY, DECEMBER 29

2:30 p.m.—Manila Le Mor with Ray West's El Cortez Orchestra, remote control from El Cortez Hotel.
6:00 p.m.—Spanish program, Abelardo Valez.
8:00 p.m.—Johnnie Athalde, tenor.
9:00 p.m.—Manila Le Mor.
11:30 p.m.—Purity Ice Cream Frolic.

SUNDAY, DECEMBER 30

12:00 midnight—Goodwin Goldie and his Calif. Red Jackets, remote control from Waldorf Hotel.

MEXICAN RADIO CRYSTAL COMPANY

Manufacturers of
Mexican Mounted Pyrite, Galena, Carbonundum, Mexican Fixed Renewable Crystals

A. H. QUAST, Distributor

8641 South Hoover Street

Los Angeles, California
Radio Doings

December 22

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

KPO
San Francisco, Calif.—710 Kc.

2000 WATTS—422.3 METERS

HALE BROTHERS AND THE CHRONICLE

"The Voice of San Francisco"

7:30 p.m.—KPO Symphony Orchestra for Reo Motor Car Co.
8:30 p.m.—Bundy Seiler and his Fairmont Hotel Concert Orchestra.

MONDAY, DECEMBER 24

10:00 a.m.—Art Talk by Helen Gordon Barker; Madonna in Art.
3:30 p.m.—Afternoon Trio for the Garage and Property Owners Association.
6:00 p.m.—Tommy Munroe and Bob Allen for Lloyd K. Hillman.
6:30 p.m.—NBC program.
7:00 p.m.—KPO Symphony Orchestra for the Reo Motor Car Co.
8:00 p.m.—NBC.
9:30 p.m.—K-F'O Christmas Party.

TUESDAY, DECEMBER 25

10:30 a.m.—The McNab for Langendorf Baking Co.
10:30 a.m.—NBC.
11:30 a.m.—Classical Concert.
12:30 p.m.—Popular program.
1:30 p.m.—Lillian R. and her Musicians.
2:30 p.m.—Jerry Jermaine for Hale Bros., Inc.
2:30 p.m.—House of Dreams.
3:00 p.m.—NBC.
4:00 p.m.—Children's Hour by Big Brother of KPO.
4:30 p.m.—NBC.
9:30 p.m.—Koister Hour.
10:00 p.m.—Trocaderans.

WEDNESDAY, DECEMBER 26

10:00 a.m.—Betty Crocker's Gold Medal Home Service talk.
10:30 a.m.—NBC.
1:30 p.m.—Annie Warner's Home Making Chat.
3:30 p.m.—Afternoon Trio.
5:30 p.m.—K-T-V Instrumental Trio.
5:30 p.m.—NBC.
8:30 p.m.—K-F'O Concert Orchestra and Elsa Behlow Trautner.
9:30 p.m.—NBC.
9:30 p.m.—K-F'O Carolers and Knickerbocker Pianists.
10:00 p.m.—Gordon Henderson's Palm Court Dance Band.
11:00 p.m.—NBC.

THURSDAY, DECEMBER 27

10:00 a.m.—Annabelle Lee for Langendorf Baking Co.
11:30 a.m.—Ye Towne Cryer.
1:30 p.m.—Jerry Jermaine for Hale Bros., Inc.
3:30 p.m.—Evelyn Trent in World Topics on the Air.
5:00 p.m.—NBC.
6:00 p.m.—Studio program.
7:00 p.m.—Federal Business talk.
7:15 p.m.—Sports-on-the-Air by Harry Smith of the Chronicle.
7:30 p.m.—Tommy Munroe and Bob Allen.
8:30 p.m.—Caswell Hour.
8:30 p.m.—Nathan Abas Violin Recital.
9:30 p.m.—Maurice Gushka.
9:30 p.m.—NBC.

FRIDAY, DECEMBER 28

10:00 a.m.—Betty Crocker Gold Medal Home Service talk.
10:30 a.m.—NBC.
12:45 p.m.—Commonwealth Club Luncheon at Palace Hotel.
1:30 p.m.—Jerry Jermaine for Hale Bros., Inc.
3:30 p.m.—Afternoon Trio.
5:00 p.m.—Children's Hour by Big Brother of KPO.
6:00 p.m.—NBC.
7:00 p.m.—Gypo and Marta.
7:30 p.m.—Tommy Munroe and Bob Allen for Lloyd K. Hillman.
8:30 p.m.—NBC.
9:30 p.m.—Abas String Quartet for the Reo Motor Car Co.
10:00 p.m.—Gordon Henderson's Palm Court Dance Band.
11:00 p.m.—Trocaderans.

SATURDAY, DECEMBER 29

10:30 a.m.—Annabelle Lee for Langendorf Baking Co.
1:30 p.m.—Annie Warner's Home Making Chat.
5:30 p.m.—NBC.
9:00 p.m.—Gordon Henderson's Palm Court Dance Band.
10:30 p.m.—NBC.

*See Page 42 for detailed program of National Broadcasting Company.
NOW YOU can get improved results from your AC Set! Sonatron has created the 171 AC especially for the power tube socket in AC receivers—and the result is longer life, far greater volume and correspondingly improved tone. No re-wiring—simply take out the old 171 or 171A and put in the Sonatron 171 AC. Already thousands of these tubes are delivering amazing results throughout the country.

SONATRON TUBE COMPANY
CHICAGO         NEW YORK

SONATRON
THE WORLD’S LARGEST RADIO TUBE LINE

Wholesale Distributors: LISTENWALTER & GOUGH, Inc.
325 Fifth Street, San Francisco   819 E. First Street, Los Angeles
Portland—Stubbs Electric Seattle and Spokane—Harper-Megge
Salt Lake City—United Electric
Radio Doings

December 22

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

KGO

Oakland, California—790 Kc.

5000 WATTS—37.5 METERS
PACIFIC COAST STATION, GENERAL ELECTRIC CO.
Phone Fruitland 6881 557 Hotel St. Framus

DAILY EXCEPT SUNDAY

10:00 p.m.—California Home Life.
11:00 a.m.—Rembrandt Trio (except Wednesday and Thursday).
5:30 p.m.—New York Stocks (except Wednesday and Saturday).
7:30 p.m.—Rembrandt Trio.
8:30 p.m.—First M. E. Church.
9:30 p.m.—NBC.*

MONDAY, DECEMBER 22

5:00 p.m.—Dr. Albertine Richards Nash.
5:15 p.m.—Weekly Financial Review.
5:30 p.m.—The Three Boys.
6:30 p.m.—NBC.*
7:30 p.m.—Remar program.
8:30 p.m.—The Parisian Quintette.
9:30 p.m.—NBC.*
9:30 p.m.—Tom Kenney, Howard Irwin

THURSDAY, DECEMBER 25

11:15 a.m.—Standard School Broadcast.
5:00 p.m.—Tom King, detective stories.
6:00 p.m.—NBC.*
6:30 p.m.—Bert Harwell, the bird man.
6:45 p.m.—Agricultural program.
7:30 p.m.—NBC.*

FRIDAY, DECEMBER 26

10:30 a.m.—NBC.*
11:30 a.m.—Riner Martin, "Home Economics."
5:00 p.m.—NBC.*
9:00 p.m.—Mystery serial, "The Tocen of Tampou"
10:00 p.m.—Western Artist Series concert.
11:00 p.m.—NBC.*

SATURDAY, DECEMBER 27

5:00 p.m.—National Symphony Orchestra.
6:00 p.m.—NBC.*
8:00 p.m.—Weekly sport review.
9:15 p.m.—NBC.*
9:30 p.m.—Melodettes Vocal Trio.

KTAB

Oakland, Calif.—550 Kc.

500 WATTS—451 METERS
Knowledge, Truth and Beauty
Official Pickwick Stages Station
Owned and Operated by the Pickwick Broadcasting Corp.
MEL LE MON, Manager
ADA MORGAN O'BRIEN, Program Director
IRVING KRICK, Announcer
Pickwick Terminal Hotel, Fifth and Mission Sts.
Telephone Merritt 0246

DAILY EXCEPT SUNDAY

7:30 a.m.—Setting-up Exercises.
8:00 a.m.—Ray Raymond Talk of the Air.
9:00 a.m.—Hour of Worship.
11:30 a.m.—Sundial Serenade.
11:30 a.m.—Thirteenth Hour Hand program.

*See Page 42 for detailed program of National Broadcasting Company.
December 22

Radio Doings

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

**KFRC**

San Francisco, Calif.—610 Kc.

Owned and Operated by Don Lee, Cal. Dist. for Cadillac & LaSalle

1000 Van Ness. Telephone Prosper 1000

"Keep Forever Radiating Cheer"

**SUNDAY, DECEMBER 23**

7:00 a.m.—Simpit Fitts, courtesy Ariders Mattress Mfrs.

8:00 a.m.—Masonic Records program (ex. Mon., Thu.).

8:15 a.m.—Georgia O. George (except Saturday).

9:00 a.m.—Wyn's Daily Chat (ex. Tues.).

11:00 a.m.—Amateur Tryouts (except Saturday).

12:00 noon—Sherman Clay concert.

1:00 p.m.—San Francisco Symphony Orch. recordings (except Monday and Tuesday).

2:00 p.m.—Matinee Concert, courtesy of Pacific Radio Trades (except Saturday).

3:00 p.m.—Matinee Orch. Concert (ex. Thurs., Fri.).

4:00 p.m.—Song of Everything.

5:00 p.m.—San Francisco Call, news items.

5:00 p.m.—Mac and his Gang.

5:15 p.m.—Town Topics.

6:00 p.m.—Theodore Strong Organ Recital.

6:30 p.m.—Embassy Theatre program (ex. Tues., Fri.).

7:00 p.m.—Amos 'n' Andy (ex. Wed.).

7:10 p.m.—Dance music.

**NEWSPAPER**

SUNDAY, DECEMBER 23

9:00 a.m.—"Home Sweet Home,"

12:00 noon—Paulist Fathers' Old St. Mary's Church.

1:15 p.m.—The Sunday Recital.

3:15 p.m.—"Red" Neiler and Art Fadden.

4:00 p.m.—Marie Wallman, soprano, with Frank Moss.

4:30 p.m.—"The Time Three."

5:30 p.m.—Inspirational talk by Dr. Louis Newman.

6:00 p.m.—Morgan and Mack, and Arnold Johnson's Orchestra.

7:00 p.m.—Bob and his rither; John Warren, bartonie.

8:00 p.m.—Charles Bulotti, tenor; Jeanne Tenssner, soprano, and KFRC Concert Orchestra.

9:30 p.m.—Robert Olsen, song recital.

9:15 p.m.—Amos 'n' Andy and Roof Garden Orch.

10:00 p.m.—Amos 'n' Andy.

10:10 p.m.—Tom Gerunovich and Roof Garden Orch.

---

**KQW**

San Jose, California—1010 Kc.

**FRED J. HART**

DAILY EXCEPT SUNDAY

10:00 a.m.—The Helpful Hour.

12:00 noon.—News Items.

12:30 p.m.—Farm Market Report.

1:30 p.m.—Store Band hour.

1:55 p.m.—The Friendly hour.

2:30 p.m.—Second Street Musical hour.

3:30 p.m.—Penacho's Style Chat.

4:00 p.m.—Sunshine Hour with W. K.

5:00 p.m.—Aunt Sammy talk; Home Economics (ex. Saturday).

5:15 p.m.—Pfizer Minute at Pharma's.

5:20 p.m.—Pfizer's Big Brother Hour (ex. Saturday).

---

BT Counterphase 8—World's Greatest Radio—Sold with a Distance Guarantee. H. A. Everest, 7406 Melrose Avenue. ORegon 4702.
The essential features of these programs are identical with those sent by the stations.

**KYA**
San Francisco, Calif. — 1230 Kc.

*THEATRE OF THE AIR*
1000 WATTS—243.8 METERS
West Coast Theaters Studio, 900 Market Street. Tel. Prospect 5922

Edward Ludes, Chief Announcer. T. B. Palmer, Chief Technician
Liborius Hausmann, Musical and Program Director

DAILY EXCEPT SUNDAY
8:00 a.m.—"The KYA Morning Glories," with music and songs.
8:30 a.m.—Bally Cooke, the "Better Homes Girl of KYA." (except Tuesday).
10:00 a.m.—Musical program (except Tuesday and Friday).
11:00 a.m.—"California Sunshine Hour."
12:00 noon—News items direct
3:00 p.m.—Bridge party.
4:00 p.m.—News Casting.
5:00 p.m.—Who's Who program.
6:00 p.m.—News from the Examiner.
6:15 p.m.—The Golden Gate Cryer
7:00 p.m.—Musical Semi-Taste of the Pac. Salon Orch. (ex. Mon. and Tues.).
10:00 p.m.—Tavannes Time Signal.
10:00 p.m.—Dance Orchestra (except Saturday).

Hudson Bay Fur Time hourly, 8:00 a.m. to 6:00 p.m.
10:00 p.m.—Recorded dance music.
11:30 p.m.—Who's Up and Why.

**SUNDAY, DECEMBER 23**
10:00 a.m.—Examiner Funny Hour, with Miles Overholt.
11:00 a.m.—Temple Methodist Church Christmas service.
12:30 p.m.—Pacific Saloon Orchestra.
5:00 p.m.—Recorded program.
5:30 p.m.—Dr. Frederick W. Clappett.
6:00 p.m.—"Majestic Theatre of the Air."
7:00 p.m.—Dr. Frederick W. Clappett.
7:30 p.m.—Temple Methodist Church.
9:00 p.m.—Pacific Symphony Orchestra.

**MONDAY, DECEMBER 24**
12:15 p.m.—Bell Laboratory.
12:25 p.m.—Recorded program.
2:00 p.m.—D. H. L. Corley.
2:10 p.m.—Recorded program.
4:00 p.m.—"Waiting for Santa Claus."
4:30 p.m.—Recorded program.
6:30 p.m.—ABC VHFphone Act.
7:30 p.m.—Geo. Taylor and Dell Perry.
8:30 p.m.—Edgar Waite Interview.
8:15 p.m.—Mary Atkinson.
8:30 p.m.—Mary Ellit, Billy Leonard.
9:00 p.m.—Judge Mathew W. Brady.
9:15 p.m.—Ralph Dolhegy, Yvonne Peterson.
9:30 p.m.—Hazel and Helen, Clara Becovitz, Ed Grav.

**TUESDAY, DECEMBER 25**
8:00 a.m.—Dr. Clampett.
8:30 a.m.—KYA Morning Glories.
12:15 p.m.—Tuesday Noon Club.
1:30 p.m.—Jabette, fashion authority.
2:00 p.m.—Matinee Musical.
8:00 p.m.—Kitty Brown; Tom, Birdie and Jerry
8:30 p.m.—John Patrick, Helen Troy, Bob Furnace.
9:00 p.m.—Pacific Symphony Orchestra.

**KFWI**
San Francisco—930 Kc.

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

**SUNDAY, DECEMBER 23**
7:50 p.m.—Fourth Church of Christ, Scientist Services.
9:00 p.m.—Organ Program.

**MONDAY, DECEMBER 24**
9:00 a.m.—Musical Breakfast Program.
9:30 a.m.—Musical Breaklight Program.
9:45 a.m.—Musical服务.
10:30 a.m.—Weather Report.
10:30 a.m.—Studio Program.
12:20 noon—Luncheon Program.
1:00 p.m.—Country Store (ex. Wed. and Sat.).
8:00 p.m.—Dinner Hour Program (ex. Tues. & Sat.).
8:35 p.m.—Police Report of Missing People (ex. Tues.).
8:33 p.m.—Studio Program (except Monday).
10:00 p.m.—Dance Music (except Tuesday).

**TUESDAY, DECEMBER 25**
8:30 p.m.—Hank Blank—Blues Entertainer.

**WEDNESDAY, DECEMBER 26**
9:00 p.m.—Novelty Program.

**FRIDAY, DECEMBER 28**
6:30 p.m.—Ingrid Janasang, soprano; Vanita Hamilton, pianist.
8:30 p.m.—Hank Blank.
9:00 p.m.—Musical Program.
The essential features of these programs are identical with those sent by the stations.

KEX
Portland, Oregon—1180 Kc.

12:00 a.m.—Vlm. Vigor and Vitality.
7:45 a.m.—With the morning coffee.
8:00 a.m.—Morning Cheer concert.
9:00 a.m., 12 noon, 6 p.m., and 10 p.m.—Western Union time.
5:00 p.m.—Better Hoores hour; Joe Sherman, banjoist.
12:00 noon—Luncheon concert.
1:00 p.m.—'Songs You Ought to Know.'
1:30 p.m.—KEX Little Symphony (ex. Monday).
2:00 p.m.—Relax News.
2:45 p.m.—Song Reveal.
3:00 p.m.—Studio program.
4:30 p.m.—Santa Claus program.
5:00 p.m.—Afternoon musicale.
8:00 p.m.—New Haven Westminster Chimes.
8:00 p.m.—American Orchestra.
10:00 p.m.—Dance Frolle; Department of Agriculture reports; weather reports (except Saturdays).

SUNDAY, DECEMBER 23
1:00 p.m.—KEX Little Symphony concert.
2:00 p.m.—Western Light Opera Company.

KOIN
Portland, Oregon—940 Kc.

1000 WATTS—119 METERS

9:00 p.m.—Orchestral concert.
MONDAY, DECEMBER 24
8:00 p.m.—Studio program.
9:00 p.m.—Revenue Reporters.
9:30 p.m.—Studio program.
10:00 p.m.—George McMurphy's Columbia Recording Orchestra, from Cole McFrier's Spanish Ballroom.

TUESDAY, DECEMBER 25
8:00 p.m.—Studio program.
8:15 p.m.—Cosmopolitan Society.
8:30 p.m.—Good Citizenship program.
8:30 p.m.—Dance concert—Vic Meyers' Orchestra—ABC.
10:30 p.m.—Show Host Frolle—ABC.

DOLPH THOMAS
Announcer

SUNDAY, DECEMBER 23
12:30 p.m.—Portland Theater organ; Rex Stratton.
1:30 p.m.—Four-Square Gospel Lighthouse service and orchestra concert.
3:00 p.m.—Dinner concert on the Heathman Hotel pipe organ.
5:00 p.m.—Benson Hotel Orchestra, under direction of Mischa Fels.

SUNDAY, DECEMBER 24
8:00 a.m.—Services from (Conversions—Ruth Israel), 9:00 a.m.—Studio program, featuring Beulah Belle Smith, soprano.
10:00 a.m.—George McMurphy's Columbia Recording Orchestra, from Cole McFrier's Spanish Ballroom.

SATURDAY, DECEMBER 29
8:00 p.m.—4-11 Bob Prler. After 8:15 p.m.—Silence for long-distance listeners.
Radio Doings

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

**KGW**

**Portland, Oregon—620 Kc.**

**DAILY EXCEPT SUNDAY**

10:00 a.m.—Town Crier, weather reports, news items.

12:00 noon—Luncheon Concert.

9:00 p.m.—NBC, Longine Time Signals.

5:30 p.m.—Motie Talk.

6:00 p.m.—Music by the Concert Trio.

6:30 p.m.—NBC.

7:30 p.m.—Myrtil Melody Boys.

8:00 p.m.—Equitable Savings & Loan Assn. Historical Drama.

8:30 p.m.—Sealy Mattress Co. program.

9:00 p.m.—NBC.

9:30 p.m.—Studio Music.

10:00 p.m.—NBC.

**THURSDAY, DECEMBER 27**

9:45 a.m.—Women's Setting-up Exercises.

11:30 a.m.—NBC.

6:30 p.m.—Thrift Talk by Geo. P. Simons.

6:35 p.m.—Concert Trio.

6:45 p.m.—Book Chat by Richard Montgomery.

7:30 p.m.—Sports Talk by J. Richardson.

7:15 p.m.—Tommy Luke's Flower girls.

7:30 p.m.—NBC.

10:00 p.m.—Associated Oil program from KOMO.

11:00 p.m.—Dance Frolle.

**FRIDAY, DECEMBER 28**

7:15 a.m.—YMCA Health Exercises.

10:30 a.m.—NBC.

11:30 a.m.—Continuation of the Town Crier.

5:00 p.m.—Concert Trio.

5:30 p.m.—NBC.

6:30 p.m.—NBC.

6:30 p.m.—Concert Trio Music.

7:30 p.m.—General Insurance Co. program, KOMO.

7:30 p.m.—Myrtil Melody Boys.

8:00 p.m.—NBC.

8:05 p.m.—Red and White Jesters.

8:30 p.m.—NBC.

10:30 p.m.—Studio Concert.

10:30 p.m.—Frolle of the Keep Growing Wiser Order of Hoot Owls.

**SATURDAY, DECEMBER 29**

8:30 a.m.—NBC.

1:00 p.m.—Farmer's Hour.

5:30 p.m.—NBC.

8:30 p.m.—Program from KOMO.

9:00 p.m.—NBC.

**SUNDAY, DECEMBER 30**

8:00 a.m.—ABC.

10:00 a.m.—Vic Meyers Dance Orchestra (ex. Sat.).

11:00 a.m.—Music and studio program.

**SUNDAY, DECEMBER 23**

11:00 a.m.—First Presbyterian Church services.

2:00 p.m.—American Broadcasting Co. program.

6:30 p.m.—Majestic Theater Hour.

7:30 p.m.—Kinnam's Swing Time.

7:30 p.m.—First Presbyterian Church evening service.

8:45 p.m.—Edna Hovenden, studio program.

8:50 p.m.—ABC, American Bacon Orchestra.

**MONDAY, DECEMBER 24**

10:30 a.m.—Popular recordings.

8:00 a.m.—Vic Meyers Hotel Butler Dance Orch.

8:45 p.m.—Novelty program.

**TUESDAY, DECEMBER 25**

10:00 a.m.—Popular recordings.

10:30 a.m.—Popular recordings.

8:30 p.m.—Song recital.

**THURSDAY, DECEMBER 27**

10:00 a.m.—Popular recordings.

**FRIDAY, DECEMBER 28**

10:30 a.m.—Popular recordings.

**SATURDAY, DECEMBER 29**

12:25 p.m.—Talk on Esperanto, by R. W. Mason.

9:20 p.m.—ABC Chain; Vic Meyers' dance program.

10:30 p.m.—Charmed Land Quartet—ABC.

11:00 p.m.—ABC—Show Boat Frolle.

---

**Spokane, Wash.—1470 Kc.**

**Operated by the American Broadcasting Co., located in the Sun Life Assurance Building**

7:30 p.m.—Weather Forecast.

7:30 p.m.—ABC Chali (except Thursday).

8:00 a.m.—ABC (except Monday).

5:00 p.m.—ABC.

10:00 p.m.—Vic Meyers Dance Orchestra (ex. Sat.).

11:00 a.m.—Music and studio program.

**SUNDAY, DECEMBER 23**

11:00 a.m.—First Presbyterian Church services.

2:00 p.m.—American Broadcasting Co. program.

6:30 p.m.—Majestic Theater Hour.

7:30 p.m.—Kinnam's String Time.

7:30 p.m.—First Presbyterian Church evening service.

8:45 p.m.—Edna Hovenden, studio program.

8:50 p.m.—ABC, American Bacon Orchestra.

**MONDAY, DECEMBER 24**

10:30 a.m.—Popular recordings.

8:00 a.m.—Vic Meyers Hotel Butler Dance Orch.

8:45 p.m.—Novelty program.

**TUESDAY, DECEMBER 25**

10:00 a.m.—Popular recordings.

10:30 a.m.—Popular recordings.

8:30 p.m.—Song recital.

**THURSDAY, DECEMBER 27**

10:00 a.m.—Popular recordings.

**FRIDAY, DECEMBER 28**

10:30 a.m.—Popular recordings.

**SATURDAY, DECEMBER 29**

12:25 p.m.—Talk on Esperanto, by R. W. Mason.

9:20 p.m.—ABC Chain; Vic Meyers' dance program.

10:30 p.m.—Charmed Land Quartet—ABC.

11:00 p.m.—ABC—Show Boat Frolle.
KPCB

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

LEWIS D. GREENWAY

DAILY EXCEPT TUES., THURS. & SAT.
8:00 a.m.—Early morning concert.
8:30 a.m.—Morning Musical.
9:00 a.m.—Red Rock Creamery Hour.
10:30 a.m.—Program of the Crescent Baking Powder Co.
11:00 a.m.—Goldhill Mineral Water.
12:30 noon.—Luncheon Musicale.
1:30 p.m.—Pacific Coast Biscuit Company.
2:30 p.m.—Rubyettes, Emrelettes and Orottes.
2:30 p.m.—Red Rock Creamery Request Hour.
3:30 p.m.—Musical program.
4:30 p.m.—Recipe talk.
4:15 p.m.—Shopping hints.

SUNDAY, DECEMBER 23
11:00 a.m.—Musical program.
12:30 noon—Luncheon Musicale.
1:00 p.m.—Program of the Covey Laundry Service.

KJR

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

ROBERT NICHOLS

DAILY EXCEPT SUNDAY
6:45 a.m.—Vlm. Vigor and Vitality.
7:45 a.m.—Recordings.
8:30 a.m.—The Golden Hour Orchestra.
9:00 a.m., 12:30 noon and 10:30 p.m.—Pacific Standard Time Signals.
9:30 a.m.—Mary Cook, KJR Better Homes Girl.
9:45 a.m.—Devotional Service.
11:00 a.m.—KJR Characteristic Hour.
11:30 a.m.—Variety program.
12:00 noon—Late News Events and Novelties.
12:30 p.m.—American Biscuit Orchestra, under direction of Francisco Londo (ex. Monday and Saturday).
1:00 p.m.—Sons Recital.
2:00 p.m.—ABC, Artistic Ensemble (except Monday).
3:00 p.m.—American Symphony Orchestra (ex. Sat.).
4:00 p.m.—Blount Hour (except Wednesday).
5:00 p.m.—Request Hour (except Tuesday and Friday).
6:00 p.m.—Special Announcements.
6:15 p.m.—Tea Time Review, Vesper, Opera, etc.
6:30 p.m.—The Captivators (ex. Tues. and Wed.).
6:35 p.m.—Red Cross (except Saturday).
7:00 p.m.—Twilight Hour program (ex. Mon. & Wed.).
9:00 p.m.—American Symphony Orchestra (ex. Wed.).
10:00 p.m.—Hotel Butler Rose Room Dance Orchestra.

Seattle, Washington—970 Kc.

SEATTLE, WASH.—1210 Kc.

Owned and Operated by The Pacific Coast Biscuit Co.
100 WATTS—247.8 METERS
Central Building. Mf. 7997

TUESDAY, DECEMBER 25
5:00 p.m.—Christmas Carol Service.
5:30 p.m.—News Items.
6:30 p.m.—Talk by Paul R. McCann.
7:30 p.m.—Musical program.
9:30 p.m.—Vic Meyers and His Orchestra.
11:20 p.m.—Vic Meyers Orchestra.

THURSDAY, DECEMBER 27
4:00 p.m.—Recipe talk.
4:15 p.m.—Shopping Hints.
4:30 p.m.—The Winter Garden.
5:30 p.m.—Musical program.
5:30 p.m.—Ethel Belle Livesey’s Children’s Hour.
6:30 p.m.—Religion program.
7:30 p.m.—Studio Program.
7:15 p.m.—Coburn’s Old Time Dance Orchestra.
9:35 p.m.—Talk by Councilman Philip Tindall.
8:00 p.m.—Wood-Wind Ensemble directed by Henri Damski; Betty Andersen, soprano.
9:30 p.m.—Vic Meyers and His Orchestra.
11:30 p.m.—News Items.
11:20 p.m.—Vic Meyers’ Orchestra.

SATURDAY, DECEMBER 29
4:30 p.m.—Vic Meyers and His Orchestra.
5:20 p.m.—Sport News and News Briefs.
5:30 p.m.—Musical program.
7:30 p.m.—Studio program.
8:30 p.m.—Isola Clark, contralto; Florence Jackson.
9:00 p.m.—Vic Meyers and His Orchestra.
11:30 p.m.—News Items.
11:20 p.m.—Vic Meyers Orchestra.

SUNDAY, DECEMBER 23
10:00 a.m.—Studio program.
11:00 a.m.—Sacred Concert.
2:00 p.m.—American Sales Orch.; G. Donald Gray.
3:00 p.m.—Home Savings Building Trio.
4:30 p.m.—American Sales Orchestra; Virginia Strong and Hayden Morris.
5:00 p.m.—Cathedral Hour; Vesper Choir; American Artistic Ensemble.
6:00 p.m.—Majestic Theater of the Air, ABC.
7:00 p.m.—Violin recital, Peter Moremabum.
7:30 p.m.—Novelty program.
8:00 p.m.—American Saloon Orch.; solists: Dorothy Lewis and Sydney Dixon, ABC.
9:00 a.m.—American Sales Orch.; Virginia Strong; G. Donald Gray and Hayden Morris, ABC.

MONDAY, DECEMBER 24
2:00 p.m.—Studio program.
2:30 p.m.—Vic Meyers’ Hotel Butler Orchestra.
8:00 p.m.—Novelties.

TUESDAY, DECEMBER 25
8:00 a.m.—American Artistic Ensemble; solists: Sydney Dixon and Virginia Strong.

WEDNESDAY, DECEMBER 26
4:00 p.m.—Elodea Table.
4:20 p.m.—Blount Hour program.
8:00 p.m.—Hawaiian Sunshine Hour, ABC.
8:30 p.m.—Song Recital; G. Donald Gray and Sydney Dixon.

THURSDAY, DECEMBER 27
8:00 p.m.—Artistic Ensemble; G. Donald Gray, solo.

FRIDAY, DECEMBER 28
8:00 p.m.—Virginia Strong, solo.

SATURDAY, DECEMBER 29
3:00 p.m.—Ballot Box Audition.
8:30 p.m.—Vincent Knowles Orchestra.
9:30 p.m.—Novelty program.
9:30 p.m.—Vic Meyers’ Hotel Butler Orchestra.
10:30 p.m.—Charmed Land Quartet; Male Quartet.
11:30 p.m.—Show Boat Frolic, ABC.

WALTER BIDDICK — Phone WEstmore 9137

“A Complete Radio Program and Announcement Service”
Each week we receive hundreds of letters in approval of the new allocation scheme and the work of the Federal Radio Commission. Here's one, picked at random, from a listener who has logged 71 stations in a week.

Pasadena, California,
December 4, 1928.

Martin's Radio Shop,
3910 South Western Avenue,
Los Angeles, California.

Dear Sir:

Saturday, Dec. 15, 1928, will mark a week of the best radio enjoyment I have ever had.

The attached list will give you points of call we have made, and all with loud speaker reception.

Power in abundance, simplicity of operation, marvelous tone quality, the utmost in sensitivity and selectivity. That's Day-Fan performance as I find it.

Yours very truly,

N. A. WATERS,
1063 Worcester Avenue.

KHJ, Los Angeles  KOW, San Jose
KFWB, Los Angeles  KTBI, Los Angeles
KNX, Los Angeles  KGEF, Los Angeles
KFI, Los Angeles  KWTC, Santa Ana
KPSN, Pasadena  KFSG, Los Angeles
KMIC, Inglewood  KFWC, Pomona
KPLA, Los Angeles  KZM, Hayward
KGER, Long Beach  KOA, Denver
KGFH, Glendale  KSL, Salt Lake
KMTR, Hollywood  KFSD, San Diego
KFCJ, Long Beach  KFAD, Phoenix
KGER, Long Beach  KFWM, Oakland
KFWI, Hollywood  KDFL, Salt Lake
KFTC, Pasadena  KEX, Portland
KTM, Santa Monica  KJR, Seattle
KFQZ, Los Angeles  KTAG, Oakland
KELW, Burbank  KXXL, Portland
KOW, San Jose  KYA, San Francisco
KTBI, Los Angeles  KFWI, San Francisco
KGEF, Los Angeles  KFOM, Seattle
KWTC, Santa Ana  KFRC, San Francisco
KFSG, Los Angeles  KGO, Oakland
KFWC, Pomona  KGA, Spokane
KZM, Hayward  KGB, San Diego
KPO, San Francisco  KPO, Seattle
KFEL, Denver  KG, Twin Falls, Ida.
KGIQ, Twin Falls, Ida.
The Day-Fan Company has designed, and are now making delivery to their dealers, a beautiful electric sign.

If any of the dealers are desirous of having these signs for their store fronts they should communicate with C. C. Lawton, the Southern California distributor.

The Green Specialty Company are now occupying their new building at 1305 West Jefferson street, Los Angeles, one of the most complete and elaborate jobbing houses in Southern California. Mr. Green extends a cordial invitation to the trade to visit them at their new quarters.

W. G. Lamdes of the Pacific Coast Sales Company has been placed in charge of the recently opened branch in San Francisco, located at 50 Hawthorn street.

C. C. Hulse of the Pacific Coast Sales Company, Los Angeles and San Francisco, has left for Chicago and other points east, conferring with the manufacturers of the various lines handled by the company. Mr. H. R. Richardson, president, will leave on Dec. 26, for the East to line up merchandise for the coming year. This enterprising concern, while practically new in Los Angeles, has already gained a most enviable position in the distribution of radio merchandise.

C. F. Carlson has been appointed Secretary-Treasurer of the Pacific Coast Sales Company of Los Angeles and San Francisco, at the same time becoming a member of this firm.

It is estimated the international radio-telephone service is now available to about 200,000,000 persons.

FOR SALE
Radio Service Business, downtown, near Twelfth and Broadway. Well developed wholesale and retail service accounts. Low rent or lease on ground floor. Fixtures and stock below cost. Owner leaving city. Wonderful opportunity for live wire.

UNIVERSAL RADIO SERVICE
152 West 12th St. Los Angeles
Phone WE. 3989

The four radio operators of the Byrd Antarctic Expedition, Grenlie, Larsen, Berkner and Hanson, inspecting the receiving coil of the Kolster Radio Compass on the S.S. City of New York.

Japan

(Continued from Page 31)
in protest against KTM broadcasting between 1 and 5 a.m. with records. This practice kills reception from Brisbane and one Japanese station. On occasions KFQZ has also remained on the air during the early morning hours, preventing reception from Sydney and JOFK. It resolves itself into a question of just how many listeners want to hear the local records at those hours and how many would rather have the air clear for Japan and Australia. And somebody mentioned the fact that if you have a craving for the local records we always have KGFJ with us day and night, like the babbling brook, but only certain channels for the foreign DX. What do you think?

Situation Wanted
Capable young man wants connection; 5 years radio merchandizing experience. Managed radio department downtown store one year. Plenty of local references.

Address Box C, Radio Doings.
Salt Lake, Utah—1130 Kc.

5000 WATTS—265.3 METERS

"The Voice of the Inter-Mountain Empire"

9:30 a.m.—Direct Wire Broadcast of Boxing Matches at the Arena.
10:00 a.m.—Dance music by remote control.

TUESDAY, DECEMBER 25

2:30 p.m.—Bridge lessons.
5:00 p.m.—NBC—"Eveready Hour."
7:30 p.m.—NBC—"Clioquot Hour."
7:30 p.m.—NBC—"Cilquot Cukhmos."
8:30 p.m.—The Apollo Male Quartet.
9:00 p.m.—Emma Worsley and Len Nelson.
10:00 p.m.—Claude Kiff and Oden Spanish Ballroom Band.

WEDNESDAY, DECEMBER 26

6:00 p.m.—Informal program.
6:30 p.m.—"The Druke Sisters" Novelty Trio.
7:00 p.m.—"The Romance of Gems."
7:30 p.m.—"The Victory Four" Male Quartet.
8:00 p.m.—Variety program of Old Favorites.
9:00 p.m.—Concert Ensemble.

THURSDAY, DECEMBER 27

6:00 p.m.—Salt Lake Police Department.
6:30 p.m.—Evans Sisters Trio.
7:00 p.m.—State Dept. of Public Instruction.
7:30 p.m.—Melba and Hazel Osborne.
8:30 p.m.—Old-time dance music.
8:30 p.m.—Mormon Tabernacle Organ and Choir.
9:00 p.m.—Ringside Broadcast of Wrestling Bout at the Arena.
10:30 p.m.—Claude Kiff’s Oden Ballroom Band.

FRIDAY, DECEMBER 28

6:00 p.m.—NBC—"The Wrigley Revue."
6:30 p.m.—NBC—"Palco Hour."
7:00 p.m.—"The Majesties," Concert-Dance Orchestra, assisted by Larry Beaumont, baritone.
8:30 p.m.—The Utah Trio and Frank McGinney, tenor.
8:30 p.m.—Informal program.
9:00 p.m.—Irving Webb's Imperial Six.

SATURDAY, DECEMBER 29

6:00 p.m.—"The Home Circle."
7:00 p.m.—NBC—B. A. Rolfe and 32-piece dance orchestra.
8:00 p.m.—Informal novelty program.
9:00 p.m.—KSL Amateur Night.
10:30 p.m.—Dance music.
11:00 p.m.—KSL Coyote Club—"It’s Our Night to Howl."

WALTER BIDDICK — Phone WEstmore 9137

"A Complete Radio Program and Announcement Service"

DEMAND ARMO CONDENSERS
in Your Radio Set

The ARMO Condensers, an exclusive product of the Armo Radio Laboratories, is now used by the leading set manufacturers.

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Manufactured Exclusively By

ARMO RADIO LABORATORIES

1666 Tarleton St.

WE 9610

Los Angeles
December 22

Radio Doings

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

Denver, Colorado—830 Kc.
12,500 WATTS—961.2 METERS. GENERAL ELECTRIC CO. Pacific Standard Time
“Rocky Mountain Broadcasting Station”

DAILY EXCEPT SUNDAY

10:00 a.m.—Farm and Home Hour, NBC (except Saturday).
10:15 a.m.—Heard Over the Telephone.
11:00 a.m.—Time Signals.
11:30 a.m.—Weather, Stocks, etc.
11:15 a.m.—Organ Recital.

SUNDAY, DECEMBER 23

9:30 a.m.—Immaculate Conception Cathedral.
10:00 a.m.—Dr. S. Parkes Cadman, NBC.
2:30 p.m.—Arcade Birkenholz, concert violinist, NBC.
3:00 p.m.—Stetson Parade, NBC.
3:30 p.m.—Whitall Anglo Persians, NBC.
4:30 p.m.—Fisaly Wally Grimes company program.
5:30 p.m.—Sing Along program.
4:45 p.m.—Hoff-Schroeder Crystal Studio.
5:30 p.m.—Collier’s Hour, NBC.
6:15 p.m.—Atwater Kent Hour, NBC.
7:15 p.m.—National Light Opera Co., NBC.
8:15 p.m.—Flower Time.

MONDAY, DECEMBER 24

5:00 p.m.—Firestone program, NBC.
5:30 p.m.—Automatic Duo Disc program, NBC.
6:00 p.m.—Musical Pirates.
6:30 p.m.—General Motors Family Hour, NBC.
7:30 p.m.—KOA Players in “Why the Chimes Ring.”
7:50 p.m.—KOA Orchestra.
8:00 p.m.—Christmas eve program, NBC.
9:00 p.m.—Denver Concert Orchestra and General Electric Male Quartet.
10:00 p.m.—Calvary Baptist Church Choir.
10:30 p.m.—130 voice choir of Immaculate Conception Cathedral.

TUESDAY, DECEMBER 25

1:30 p.m.—Auction bridge game, NBC.
3:30 p.m.—A Recipe a Day.
3:05 p.m.—Mattin String Trio, and Norman Price.
4:30 p.m.—Morley Singers, NBC.
5:30 p.m.—The Sealy Air Wavers, NBC.
5:50 p.m.—Teese Popular Quartet.
6:30 p.m.—Eveready Hour, NBC.
7:30 p.m.—Cicique Dub Simmons, NBC.
7:30 p.m.—Nick Palizi and his Apollo Ball Room Aces.
8:00 p.m.—Second U. S. Engineers Band, Fort Logan.
8:30 p.m.—Ben Bernie’s Hotel Roosevelt Orchestra.

WEDNESDAY, DECEMBER 26

5:30 p.m.—Brown Palace Hotel Orchestra.
6:00 p.m.—Paul Troubadour, NBC.
6:30 p.m.—Palomino Hour, NBC.

7:30 p.m.—United States National Bank program.
8:00 p.m.—The Novelty Shop.
8:30 p.m.—Over the Garden Wall—A Dutch garden.
9:30 p.m.—KOA Mixed Quartet.
9:30 p.m.—KOA Orchestra.

THURSDAY, DECEMBER 27

7:45 a.m.—Thine Products program, NBC.
8:00 a.m.—Denozer String Trio.
3:30 p.m.—“The Denver Post Stylogram.”
3:45 p.m.—Musical program.
4:30 p.m.—Stocks, markets, livestock.
5:30 p.m.—Forhan Song Shop, NBC.
5:30 p.m.—Brown Palace Hotel Orchestra.
6:00 p.m.—Selling Singers.
6:30 p.m.—Maxwell House Coffee Hour, NBC.
7:00 p.m.—Halsey Stuart, NBC.
7:30 p.m.—Extension Service, Colorado Agricultural.
8:00 p.m.—Nick Palizi and his Apollo Ball Room Aces.

FRIDAY, DECEMBER 28

8:30 a.m.—RCA Educational Hour.
9:00 a.m.—KOA Shopping Hour.
11:30 a.m.—Forhan’s program.
3:00 p.m.—A Recipe a Day.
3:05 p.m.—Housewives’ Matinee.
4:00 p.m.—Great Moments in History, NBC.
4:30 p.m.—Stocks, markets, livestock.
5:00 p.m.—Cities Service Orchestra and Cavaliers, NBC.
6:00 p.m.—Wrigley Review, NBC.
6:30 p.m.—Sixteen Singers, NBC.
7:00 p.m.—Stromberg-Carlson, NBC.
7:30 p.m.—Answers on Financial Questions.
7:35 p.m.—The Solitaire Cowboys.
8:35 p.m.—Vincent Lopez and his Hotel St. Regis Dance Orchestra, NBC.
9:00 p.m.—The Music Album—Lullabies.
9:30 p.m.—String trio.

SATURDAY, DECEMBER 29

11:15 a.m.—Organ recital, Marjorie Nash.
11:30 a.m.—RCA Demonstration Hour, NBC.
4:00 p.m.—Vincent Lopez and his Hotel St. Regis Dance Orchestra, NBC.
4:45 p.m.—“Week of the World’s Business.”
5:00 p.m.—National Symphony Orchestra, NBC.
6:00 p.m.—Philo Hour, NBC.
7:00 p.m.—Lucky Strike Hour, NBC.
8:30 p.m.—Preview of International Sunday School lesson, the Rev. William G. Rogers.
8:30 p.m.—Bill Grant’s Hotel Cosmopolitan Orch.

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Radio Doings

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