


Broadcast Weekly

*For
Week of*
**August
18 to 24**



**RADIO
SHOW
NUMBER**

"THE LEADING RADIO GUIDE OF THE PACIFIC COAST"



When You Buy *Demand*

YOU can't *buy* reputation. But you can *get* it—if you buy wisely. In the last seven years Crosley radios have come to mean “the biggest dollar value in radio history.”

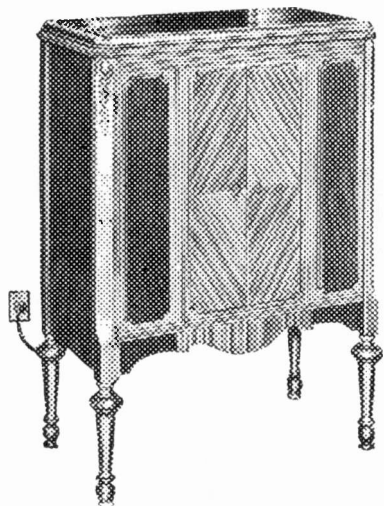
That's reputation.

It has taken seven years to earn it—seven years of radio production that has made “Crosley” the biggest name in radio.

Crosley *must* put big value in his 1930 radios—that wonderful reputation must be lived up to.

SEE THE NEW CROSLEY MODELS

A Radio Reputation !



Eight tubes, three Screen-Grids,
Mershon condenser, full A-C
operation.

When Crosley was
sure he had a real
screen-grid circuit he
offered it to you—not
before. It's the circuit
that's important.

HEAR IT
FOR YOURSELF

Distance—Tone
Selectivity—Beauty

Complete in Your Home—Only

\$172.00

Exclusive California Distributors

121-131
Ninth Street
SAN FRANCISCO

KIERULFF & RAVENSCROFT
INCORPORATED
RADIO EQUIPMENT

135-139
West 17th Street
LOS ANGELES

BOOTHS • 85 • 86 • 87 • 90 • 91



...the "19th" hole

AT THE "19th" hold men talk golf . . . and cars . . . and radio. And it's not in the least surprising that in these conversations where men speak their minds that you hear, "*Kolster is a fine set.*"

For the makers of Kolster Radio have known from the very start that the unqualified endorsement of Kolster owners was necessary to success; and have built accordingly.

So if you are considering the purchase of a new radio listen in to these conversations where men gather. You will collect so much evidence in favor of Kolster Radio that you will know you have found the set you want . . . and you will be eager to arrange with a Kolster dealer for a home demonstration.

KOLSTER

RADIO

JOHN G. RAPP CORP., *Distributors*

123 Second Street

Copyright 1929, by Kolster
Radio Corporation

“Brandes is a WONDER . . . and such a low price!”

AND the minute you hear this Brandes—the minute you test it for selectivity, range and tone quality—you’ll say the very same thing!

For price is only half the story! It’s the big features PLUS the price that make Brandes such an outstanding buy!

Handsome walnut cabinet. Selector Tuner. Advanced dynamic reproducer. Absolute single dial control. Push-pull amplification, type 345 tubes. Four tuned circuits for utmost selectivity. Heater type tubes with specially designed circuit! And all for \$155.75 and \$198!

That’s what we mean by VALUE!
And that’s what we offer in Brandes!

Now it’s up to you. Visit your neighborhood dealer tonight! Arrange for a thorough demonstration in your own home! Prove for yourself that Brandes is a *wonder* at this sensation-ally low price!

Console Model B-16 . . . \$198
Complete with 8 Tubes

Table Model B-10 . . . \$115
Complete with 7 Tubes and Speaker



CONSOLE MODEL B-15

\$155.75

Complete with 8 Tubes

The NEW

BRANDES RADIO

JOHN G. RAPP CORPORATION, *Distributors*
123 Second Street San Francisco

FOREWORD

SAN FRANCISCO'S Civic Auditorium is the focal center of attention this week for the radio industry of America and the millions of Americans who regard radio as an indispensable feature of their everyday lives.

The Pacific Radio Show, the sixth of the kind successively and successfully staged as an annual event by the Pacific Radio Trade Association, opens its doors at the Auditorium with the date of this issue of Broadcast Weekly, August 17, and will continue to and including Saturday evening, August 24.

These eight days and nights of the Pacific Radio Show are confidently expected by all concerned in its preparation and launching to roll up not only a new all-time attendance record but to give the show a place as one of the most important and significant ever held in the United States.

Similar superlatives have been used, of course, in heralding the advent of the previous shows held under the auspices of the Association. Great expectations joined hands with high enthusiasm to voice confident predictions, most of which were abundantly realized.

This year the same quality of enthusiasm, but in greater degree, attends the advent of San Francisco's annual exposition of the radio industry. An important difference is found, too, in the reasons cited for this firm faith in the success of the show. This year there were substantial and undeniable facts and figures to support the advance claims.

Obviously, the primary basis of a successful show is a sufficiently numerous and representative array of exhibitors. In previous years the Association's show committee found it necessary to exert salesmanship to dispose of the exhibit space. This year the problem has been non-existent. Instead, the committee found itself overwhelmed with applications for space even before the dates of the show were announced.

The question has been one of finding space for exhibitors rather than finding exhibitors to fill space. Three months ago the show space as originally mapped out was entirely sold, with applications still unfilled representing an excess of more than 20 per cent of the available area. The situation was met in part by certain rearrangements of the plan and by inducing some of the larger exhibitors to give up a part of their space in order to help broaden the representative character of the show.

In contrast, the same period last year three months before the opening of the show found

the committee with 15 or 20 per cent of the space still to be sold.

This tremendously increased interest on the part of the large manufacturers and distributors in the Pacific Radio Show of 1929 is interpreted by the show committee as signifying several things.

One is* that the San Francisco exposition has come to be recognized for its full worth as a stimulating contribution to the well-being of the industry, not only in the adjacent Pacific Coast region, but throughout the United States.

Another is that the heads of the industry sense a buying public more "radio wise" than ever before, and which has a shrewd idea of what constitutes the best in radio equipment and the material means to gratify a desire for the best.

With the question of exhibitors thus removed from the required program of effort, the Association's show committee has had the time and opportunity to devote an intensive degree of attention toward perfecting the entertainment and other features for the delectation of the Radio Show throngs.

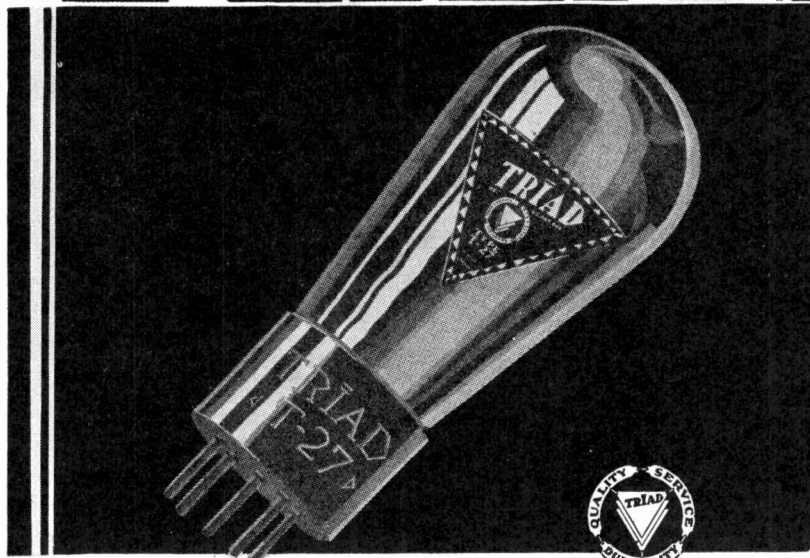
Novel and effective lighting effects were devised and a decorative scheme coinciding artistically with the illumination was worked out.

The entertainment phase of the show will again, as in previous years, be concentrated upon the broadcast programs continuously staged in a huge glass-enclosed studio at the Auditorium. In this studio the listening public will be able to see as well as hear their favorite radio performers in a succession of programs. Each of the larger bay region stations, together with the nationwide chains, has been allotted periods at the show studio.

The program managers, striving to outdo each other, have prepared programs for their Radio Show broadcasts which are designed to represent the best of which each organization is capable. The broadcasters contributing to the show entertainment are KPO, KFRC, KGO, KTAB, KFWD, KJBS, National Broadcasting Company and American Broadcasting Company.

The committee in charge of the show arrangements is composed of C. L. McWhorter, chairman; C. F. McCarthy, George Marsh, W. J. Aschenbrenner, and George H. Curtiss, secretary of the Pacific Radio Trade Association, with the active co-operation of the association's president, W. E. Darden, and John G. Rapp, vice-president.

TRIAD



A
Sensational
Knockout
in the
Tube
Industry

INSTANT... *nation-wide popularity*
.... *won on quality alone!*

THE demand for TRIAD is sweeping along to tremendous proportions—and TRIAD quality has done it! Quality that eliminates all guesswork from tube buying and selling; quality backed by an actual bonafide guarantee of six month's perfect service or a satisfactory adjustment. Every dealer *knows* what that means—*reduced service calls, easier and quicker sales,*

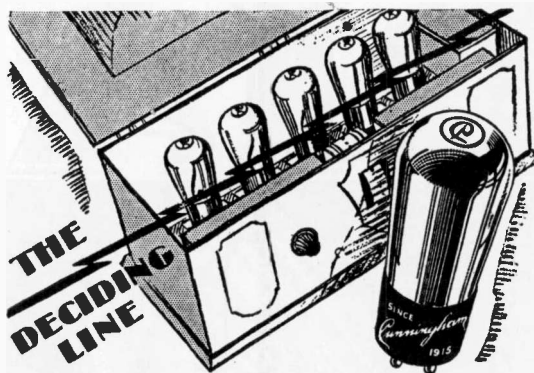
greater profits and absolute satisfaction for him and his customer. Here is the greatest achievement in radio tube history—accomplished by a group of nationally-known pioneers in the industry. The TRIAD Line is complete, including even Television and Photo-Electric Cells. Don't delay—send in your stock order now. TRIAD customers won't accept substitutes.

Call us or write us direct for complete Triad dealer information

R. J. NOEL CO.

508 Eddy Street
SAN FRANCISCO, CALIF.
FRanklin 6896

2704 S. Hill Street
LOS ANGELES, CALIF.
WEstmore 0938



TUBES

make or mar the performance of your receiver

Tone-quality originates in the tubes that gleam and glow in your radio set. All tubes may look alike—but

Cunningham
RADIO TUBES

prove their difference through long hours of faithful service.

Remember "The Deciding Line" when next you buy tubes.

You will find a complete showing of Cunningham Tubes at Booth No. 47 at the Radio Show.

E. T. CUNNINGHAM, INC.

NEW YORK

CHICAGO

SAN FRANCISCO

DALLAS

ATLANTA

FADA

R a d i o

"The Choice of the Experts"

NEW FADAS THAT WILL CONVINCEN YOU!

NEW CIRCUITS
NEW SPEAKERS
NEW FURNITURE

} A great new line of
FADAS at wonderful
values.

*Operate Without Loop, Antenna
or Ground*

To the Dealer: An Advertising and Merchandising Program which merits immediate investigation of the 1929-30 FADA Franchise.

BOOTH 105

United Radio Supplies Company

Northern California Distributors

1062 HOWARD STREET

SAN FRANCISCO

MARKET 1768

MARKET 1769

MARKET 1770

Follow the Crowd ~

You'll Find Them In Our Booth

COME IN AND GET ACQUAINTED

Here you will find all of the leading parts and accessory lines. The new National line, the Samson PAM amplifiers and many other popular items are in our booth, and in our store ready for immediate delivery. We maintain one of the most complete and varied radio stocks west of Chicago. Be sure and get the details—we can save you lots of money on your radio purchases this year.

MAIL ORDER SERVICE

Speedy and efficient mail order service is our specialty. No substitutions, no delays—your order is received and shipped the same day. Dealers all over the West are finding that they can save time and money by dealing with Electric Supply Company.

When in Oakland See Our New Store

We are now well established and doing business in our new location. Our new store has been laid out for quick, efficient service. Plenty of display space and large stock shelves filled with items of all popular lines mean quick and accurate service and a saving of your time when you buy from us.

ELECTRIC

325-329 13th Street

Phones GLencourt 4311-4312

Headquarters for

Silver-Marshall

Samson Amplifiers

National
Wright-DeCosta and
Utah Speakers

Thordarson, Arcturus
and Ceco Tubes

Theatre Amplifiers

Public Address
Systems

They Are Here! ~

New Silver-Marshall Kits on Display in Our Booth. First Showing in the West

AN ALL-ELECTRIC SHORT-WAVE SET

The first all-electric, short-wave set to be offered to the radio public. Silver-Marshall has done it. We believe this receiver is destined to be one of the season's most popular items. It operates right from the light socket, requires no batteries, yet works as smoothly as a D.C. set.

The Silver-Marshall short-wave set—(SM-735) is sold either in kit form or built up, wired and tested. Fully licensed by RCA. Place your order early—they will be hard to get.

TWO OTHER SM KITS

SM-722, successor to last year's 720, a strictly single control, all-electric receiver again represents one of the best values on the radio market. It is more selective and more sensitive than last year's 720, and definitely superior to factory-built, screen-grid receivers offered in its price class.

SM-712, replacing last year's Sargent-Rayment Seven—a tuner only, without audio amplification, using three screen-grid tubes and designed for a-c operation, is offered for those who want only the best in radio. The SM-712 with the new SM-677 amplifier and powerizer sets a new standard in radio performance.

Theatre Equipment—Public Address

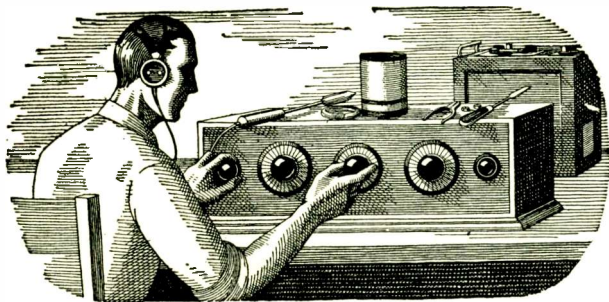
We specialize in transformers, amplifiers, loudspeakers and all other equipment for theatre and public address systems. Large stock of this equipment always on hand—immediate deliveries on Samson PAM amplifiers, Thordarsons, or Silver-Marshalls.

Dealers! — Set Builders!

Is your name on our mailing list? It costs you nothing to be listed and it will be worth money to you. Send in your name and address so you will receive our radio bulletin service. This keeps you up-to-date on new radio items and on special prices that give you extra profit.

SUPPLY CO.

Oakland, Calif.



If all the Radio sets I've "fooled" with in my time were piled on top of each other, they'd reach about half-way to Mars. The trouble with me was that I thought I knew so much about Radio that I really didn't know the first thing. I thought radio was a plaything—that was all I could see in it for me.

I Thought Radio Was a Plaything

But Now My Eyes Are Opened, and I'm Making Over \$100 a Week!

\$50 a week! Man alive, just one year ago a salary that big would have been the height of my ambition.

Twelve months ago I was skimping along on starvation wages, just barely making both ends meet. It was the same old story—a little job, a salary just as small as the job.

If you'd told me a year ago that in twelve months' time I would be making \$100 and more every week in the Radio business—whew! I know I'd have thought you were crazy. But that's the sort of money I'm pulling down right now—and in the future I expect even more. Why only today—

But I'm getting ahead of my story. I was hard up a year ago because I was kidding myself, that's all—not because I had to be. If you've fooled around with Radio, but never thought of it as a serious business, maybe you're in just the same boat I was. If so, you'll want to read how my eyes were opened.

When broadcasting first became the rage, I first began my dabbling with radio. I was "nuts" like many thousands of other fellows. And no wonder! There's a fascination—something that grabs hold of a fellow—about twirling a knob and suddenly listening to a voice speaking a thousand miles away. I stayed up almost the whole night trying for DX.

I never seemed to get very far with it, though. So, up to a year ago, I was just a dabbler—I thought Radio was a plaything. I never realized what an enormous, fast-growing industry Radio had come to be—employing thousands and thousands of trained men. I usually stayed home in the evenings after work, because I didn't make enough money to go out very much.

And as for the idea that a splendid Radio job might be mine, if I made a little effort to prepare for it—such an idea never entered my mind. When a friend suggested it to me one year ago I laughed at him.

"You're kidding me," I said.

"I'm not," he replied. "Take a look at this ad."

He pointed to a page ad in a magazine I'd seen many times but just passed up. This time I read the ad carefully. It told of many big opportunities for trained men to succeed in the great new Radio field. With the advertisement was a coupon. I sent the coupon in, and in a few days received a handsome 64-page book, telling about the opportunities in the Radio field and how a man can prepare quickly and easily at home to take advantage of these opportunities. Well, it was a revelation to me. I read the book carefully, and when I finished it I made my decision.

What's happened in the twelve months since that day seems almost like a dream to me now. For ten of those twelve months, I've had a Radio business of my own! At first, of course, I started it as a little proposition on the side, under the guidance of the National Radio Institute, the outfit that gave me my Radio training. It wasn't long before I was getting so much to do that I quit my measly little clerical job, and devoted my full time to my Radio business.

Since that time I've gone right on up, always under the watchful guidance of my friends at the National Radio Institute. They would have given me just as much help, too, if I had wanted to follow some other line of Radio—such as broadcasting, manufacturing, experimenting, sea operating, or any of the score of lines they prepare for you. And to think that until that day I sent for their eye-opening book, I'd been wailing "I never had a chance!"

Now I'm making, as I told you before, over \$100 a week. And I know the future holds even more, for Radio is one of the most progressive, fastest-growing businesses of the world today. And it's work that I like—work a man can get interested in.

Here's a real tip. You may not be as bad off as I was. But think it over—are you satisfied? Are you

making enough money, at work that you like? Would you sign a contract to stay where you are now for the next ten years—making the same money? If not, you'd better be doing something about it instead of drifting.

This new Radio game is a live-wire field of golden rewards. The work is fascinating, absorbing, well paid. The National Radio Institute—oldest and largest Radio home-study school in the world—will train you inexpensively in your own home to know Radio from A to Z.

Take another tip—No matter what your plans are, no matter how much or how little you know about Radio—clip the coupon below and look their free book over. It is filled with interesting facts, figures, and photos, and the information it will give you is worth a few minutes of anybody's time. You will place yourself under no obligation—the book is free, and is gladly sent to anyone who wants to know about Radio. Just address J. E. Smith, President, National Radio Institute, Dept. 9V13, Washington, D. C.

J. E. Smith, President,
National Radio Institute,
Dept. 9V13, Washington, D. C.

Dear Mr. Smith: Please send me your 64-page free book, giving all information about the opportunities in Radio and how I can learn quickly and easily at home to take advantage of them. I understand this request places me under no obligation and that no salesman will call on me.

Name.....

Address.....

Town.....

State.....

Occupation.....

Because of
BALANCED UNITS

PHILCO

ALL-ELECTRIC RADIO

*brings clearer tone, more
 stations and greater distance*

AS THE tone of a fine orchestra can only be clear if all instruments are perfectly balanced, so clearness of tone of a radio receiver is in proportion to the balance of its units. By extraordinary engineering, Philco has attained a precise electrical balance that results in radio tone of revolutionary clearness, richness, fullness.

Here, at last, is the quality of reception you have hoped for since the miracle of radio. Mounted in exquisite cabinets, Philco now offers two marvelous All-Electric chasses with every part perfectly balanced at amazingly low prices.

**BE SURE TO HEAR THE NEW PHILCO
 BEFORE YOU BUY ANY RADIO**

Models Priced From \$72.00 to \$215.00

PHILCO Balanced-Unit
RADIO

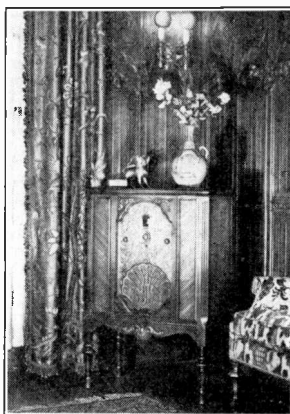
Pacific Coast Branches
 SAN FRANCISCO
 LOS ANGELES

SEATTLE

PORTLAND

PHILCO

Balanced Unit Lowboy



Neutrodyne-Plus \$139.50
 Screen-Grid \$129.50
Tubes Extra

When You Think of
**SCREEN GRID
RADIO RECEIVERS**

See the

ERLA

Three models using three screen-grid, two type twenty-sevens and two type forty-fives in an eight-tube push-pull circuit.

See these on display at the

Radio Show—Booth 84

Northern California Distributors

WHOLESALE RADIO SUPPLY CO.

269 Seventh Street

San Francisco

General Information

—**—

Opening Date.—The show will open **Saturday, August 17, 1929**, at 7 p. m., and will remain open each day and every day thereafter from 2 o'clock until 5:30 p. m., and 7 p. m., until 11 p. m., except **Sunday, August 18**, and **closing day, August 24, 1929**, when the show will run continuously from 2 p. m. until 11 p. m.

Place.—Civic Auditorium (located at Larkin and Grove Streets).

Admission Price.—Tickets are 50 cents each, except that special half-price tickets can be obtained from radio dealers which will be honored at the door upon payment of the sum of 25 cents.

Management.—This is the **Sixth Annual Pacific Radio Show** held in San Francisco and conducted under the auspices of the Pacific Radio Trade Association.

Show Chairman.—C. L. McWhorter.

Show Manager.—Geo. H. Curtiss.

Show Committee.—C. L. McWhorter, C. L. McCarthy, W. J. Aschenbrenner, George Marsh.

Association Officers.—W. E. Darden, President; John G. Rapp, Vice-President; Geo. H. Curtiss, Secretary-Treasurer.

Association Directors.—W. E. Darden, Robert Eastman, Don Gilman, Harrison Holliday, Ernest Ingold, J. W. Laughlin, G. Harold Porter, John G. Rapp.

Association Offices.—284 Chronicle Building, San Francisco. Telephone Garfield 6214.

Broadcasting Stations Participating.—KGO, KPO, KFRC, KJBS, KFWI, KTAB, NBC and ABC.

Photographers.—Western Photo Company.

Publicity Director.—Howard G. Hanvey.

Advertising Council.—Johnston-Hanvey Co.

Booth Constructor.—W. R. Marlowe.

Plate Glass.—W. P. Fuller Company.

Decoration.—Western Scenic Studio.

Florist.—City Floral Company.

Portraits.—Boye Studios.

Concession.—Marquard's.

Furniture.—S. M. Silver.

Illumination.—Clark Baker.



THE NEW TEMPLE RADIO
HAS "IT"

*See and Hear them in the
Temple at the left of the
Auditorium stage*

S. F. RADIO SHOW

JOHN G. RAPP CORPORATION

Distributors

123 SECOND STREET

SAN FRANCISCO

AMERICA'S FINEST RADIO MADE FINER



STAR- RAIDER RADIO

Master of All Heaven's Harmonies

OVER the starlit highways of the sky . . . Star-Raider carries you to any of the melodies . . . dancing in the Heavens. To give Star-Raider its boundless power . . . the exclusive new Technidyne Circuit has been used as on no other radio.

To give Star-Raider's tone . . . the richness of an old violin . . . selected woods have been fashioned by master craftsmen.

CONTINENTAL RADIO CORPORATION
FORT WAYNE, INDIANA

Pacific Coast Representative

J. P. HERMANS COMPANY

585 MISSION STREET

SAN FRANCISCO, CALIF.



RADIO WIRES

“Best From the Ground Up”

CORWICO PRODUCTS

Antenna Wires
*Stranded, Braided, Solid,
Plain, Tinned, Enameled*

Hook-Up Wires
“BRAIDITE”
“FLEXIBUS”
COLORED RUBBER

Magnet Wire
Bus Bar Wire
Annunciator Wire
Lead-In Wire
Litz Wire
Loop Aerial Wire
Cables, Harnesses and
Cords made to speci-
fications.

SET BUILDERS, radio owners and radio service men can meet all their requirements for good radio wire by asking for Corwico. From the ground up, the Corwico radio wire line is complete. Because of their high quality, without additional cost, Corwico Wires are used by the foremost set manufacturers and specified by the leading circuit builders in the radio magazines and newspapers.

Corwico Radio Wires are sold by all leading radio dealers

CORWICO BRAIDITE HOOK-UP WIRE

Braidite is radio's most popular hook-up wire. It's as safe as insulated wire and as convenient as bare wire. It will not scorch or burn. It is easy to work with. Shove back the insulation, solder the connection, and the braid slides back into place, leaving no exposed sections of bare wire.

25 feet stranded.....35c
25 feet solid.....30c

Colors—Red, Green, Yellow, Blue and Black

COMPLETE CORWICO WIRE STOCKS ARE CARRIED AT THE FOLLOWING THREE COAST CITIES:

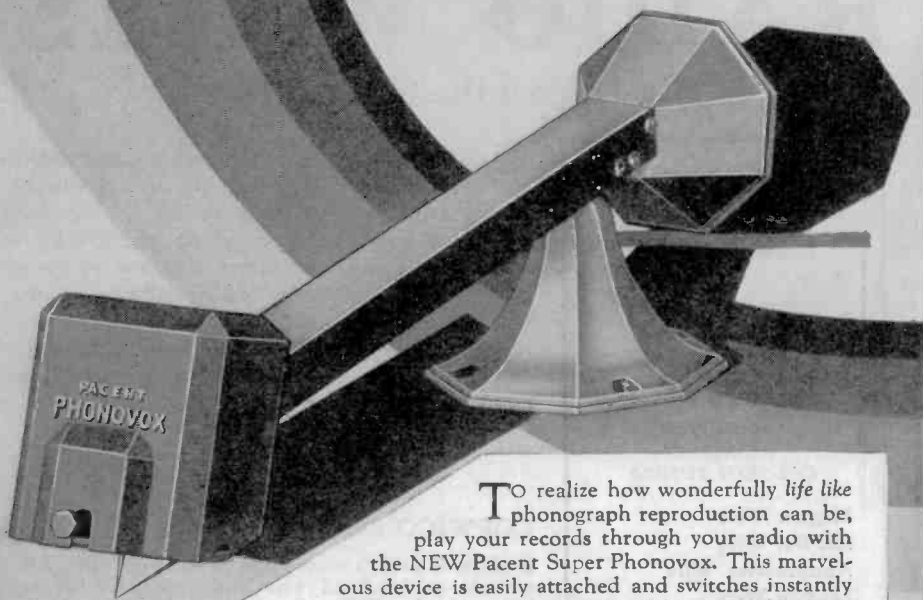
San Francisco
James P. Hermans Co.
585 Mission Street

Los Angeles
Marshank Sales Co.
224 East 16th Street

Portland, Oregon
A. S. Detsch
Security Building

CORNISH WIRE CO., 30 Church St., New York

*Rich, life-like tone
that brings quick sales*



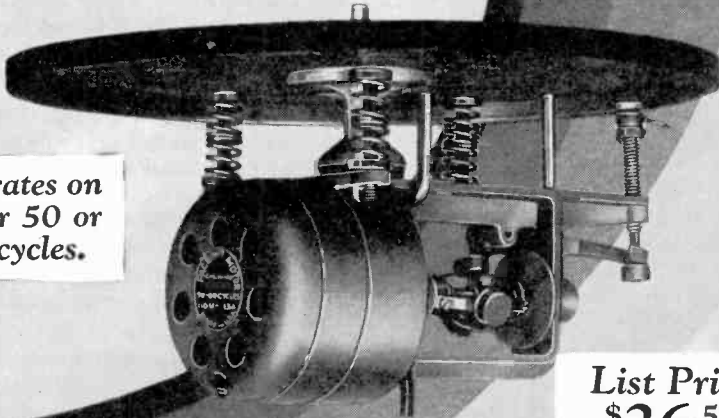
List Price
\$15²⁵

To realize how wonderfully life like phonograph reproduction can be, play your records through your radio with the NEW Pacent Super Phonovox. This marvelous device is easily attached and switches instantly from radio to records. English 36% Cobalt Magnets make it extremely sensitive; counter balanced tone arm insures correct needle pressure, thus prolonging the life of records. No rubber bearings to harden or cause trouble. It is the finest pick-up to be had at any price. Hear it at your dealers.

Super Phonovox

*Silent, vibrationless—
a marvelous new motor*

Operates on
either 50 or
60 cycles.



List Price
\$26.50

includes 12 inch Turntable, mounting screws and springs.

HERE is the finest electric phonograph motor you can buy. It is induction type—no brushes or commutator—simple, sturdy and insulated against noise throughout. Balanced rotor makes it vibrationless. Phosphor bronze bearings, die-cast frame, micrometer-type speed regulator; trouble free, requires no attention. Costs only 1/2 cent per hour for current. Have your dealer demonstrate. Shipping weight with 12 inch Turntable 12 lbs.

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

Pioneers in Radio and Electric Reproduction for Over 20 Years

*Manufacturing Licensee for Great Britain and Ireland: Igranic Electric Co., Ltd., Bedford, England
Licensee for Canada: White Radio Limited, Hamilton, Ont.*

Representatives - - - J. P. Hermans, 585 Mission St., San Francisco
Marshank Sales Co., 224 E. 16th St., Los Angeles - D. H. Burcham, 383 Oak St., Portland, Ore.

INDUCTION TYPE

Phonograph Motor

THE RADIO TRADE ASSN.

By GEO. H. CURTISS, *Secretary*

WITH a pride that seems entirely justifiable, the Pacific Radio Trade Association heralds the advent of another Pacific Radio Show—marking the sixth year that this organization has presented the radio world with a complete and representative exposition of the industry.

Dealers, distributors, manufacturers, and all others concerned with the commercial aspects of radio have long since accepted the Pacific Radio Show as an event of the first magnitude. Similarly, the great multitude of listeners, the men, women, and children to whom the radio is an open sesame to a constantly widening wonderland of entertainment and constructive benefit, have come to hail the Pacific Radio Show with highest enthusiasm.

Each year has seen the Pacific Radio Show grow in prestige in the eyes of the American radio industry until, this year, it seems to have reached a point that is a fitting culmination of all the prodigious effort expended in its development by the Pacific Radio Trade Association.

Exhibitors have fairly clamored for space at this year's show, eager to be accorded a place in the portrayal of the unparalleled progress that has attended the achievements of radio during the past year.

It has been appropriately claimed that the Radio Show now in progress at San Francisco's Civic Auditorium can be regarded as a celebration marking radio's attainment of adult status. The perplexities and self-searching of radio's adolescent years have given place to a condition in which certainty has supplanted the doubting and experimenting.

In planning the Sixth Pacific Radio Show the show committee apparently sensed from the outset that the event was to take on an importance and a national significance greater than ever before.

Headed by C. L. McWhorter as chairman, assisted by C. F. McCarthy, George Marsh, W. J. Aschenbrenner, and the writer, the committee has dealt with constantly; for

many months, the great mass of detail involved in presenting the show to the radio trade and public.

With the opening of the Auditorium's doors the Pacific Radio Trade Association and its officers feel confident that all the effort which has gone into the preparation of the Radio Show will prove justified by the results.

This year it is expected that the attendance will exceed last year's by a wide margin.

That expectation is warranted by the history of past shows conducted by the association, each showing an increase in attendance over the previous one, and by the quite evident growth of interest in radio among the general public.

There are factors of interest, of course, aside from the exhibits themselves, but it is the belief of those who have watched the trend that more people will attend this year's Radio Show primarily for the purpose of viewing and comparing the exhibits than ever before in the history of these events.

In spite of this confidence in the drawing power of the show as a radio exposition, elaborate plans have been carried out in connection with the entertainment programs that will be presented during the week of the show in the glass enclosed broadcast studio erected at the Auditorium.

Here, the broadcasters of the bay region will present the finest programs of which their organizations are capable. The program managers in preparing for the periods allotted to them at the show have marshalled their strongest talent in specially arranged broadcasts designed to thrill and impress the show throngs.

It is proper here to acknowledge the contribution these broadcasters are making toward the success of the radio show. The stations and nationwide chains thus participating are KPO, KFRC, KGO, KTAB, KJBS, KFWI, the National Broadcasting Company and the American Broadcasting

OFFICERS OF THE PACIFIC RADIO TRADE ASSOCIATION



W. E. Darden
PRESIDENT



John S. Rapp
VICE PRESIDENT



Geo. H. Curtiss
SECRETARY-MANAGER

The inauguration of the Sixth Pacific Radio Show presents an opportune occasion to review the objects and achievements of the Pacific Radio Trade Association.

The aim of the association, stated in general terms, is to further the well-being of the industry which it represents. Anything which will improve conditions in the industry, increase business, and bring about a better understanding between the various factors composing this great industry, will be given consideration by the Board of Directors and receive its hearty support.

In order to be 100 per cent successful the Board must have the coöperation of all members of the radio trade. With such interest and coöperation the forthcoming year should be the most progressive and profitable which the Association and the industry have ever known.

Reciprocity, coöperation and mutuality are the foundations of modern, successful business. With these principles in mind the Pacific Radio Trade Association was organized in October, 1921. It was the first radio trade organization to be organized, and it is, therefore, the oldest of its kind in this country. During the years of its existence it has grown and prospered. It has become a real factor locally, as well as throughout the country. It now stands among the foremost radio trade associations of the United States.

The officers of the Pacific Radio Trade Association are: W. E. Darden, president; John G. Rapp, vice-president; Geo. H. Curtiss, secretary-treasurer; W. E. Darden, John G. Rapp, Robert D. Eastman, Don Gilman, Ernest Ingold, J. W. Laughlin, G. Harold Porter and Harrison Holliday, directors.

The object of the Association as defined by its by-laws, is to foster the interest of its members and those in any way connected with or relating to the radio industry in central and northern California; to establish and maintain uniformity and harmony in the customs and commercial usages of the radio industry; to acquire, preserve and disseminate business information; to promote a more enlarged and friendly intercourse among those engaged in the radio industry; all of which

being consistent with the public interest and laws of the State and Nation.

Its membership is composed of radio manufacturers, manufacturers' agents, jobbers, dealers, broadcasting stations, radio publications, and those interested in radio and its development.

The association's annual radio shows have come to be a recognized and respected institution. Their value to the industry and trade is immeasurable. As an instrument to create and develop business for every branch of the radio industry it has no equal.

Furthermore, the publicity and advertising created by the show reacts to the benefit of the industry. For one week it concentrates the attention of the public on this coast on radio.

Fall business following the show last year was greater than ever before. It is said that the early fall business on this coast far exceeded that in the East. This is directly attributable to the Pacific Radio Show.

Radio interference, the bugbear of the radio dealer and of the public is always receiving the earnest attention of the Association. The Association, coöperating with local and east-bay power and public utility companies, has engaged in an active campaign to reduce and eliminate radio interference in the San Francisco bay region.

Trained investigators are employed who devote their entire time to the tracing of radio interference and to the determination of its causes.

As a result of this work the San Francisco bay region today enjoys splendid radio reception as compared with other sections of this country. Dealers have been enabled to sell radios where heretofore there was not the slightest opportunity because of prevailing interference.

The effect upon the public has been highly beneficial. They feel and realize that the radio industry is vitally interested in them and not selfishly leaving them to their own resources following the sale of merchandise to them.

The cost of this interference work is considerable, yet it is being carried on without

DIRECTORS OF THE PACIFIC RADIO TRADE ASSOCIATION



Ernest Ingola



W. E. Darden



John G. Rapp



R. D. Eastman



Don Gilman



Harrison Hollway



J. W. Laughlin



G. H. Porter

the slightest expense to the dealers or the public.

All expenditures connected therewith are paid by the Pacific Radio Trade Association, Pacific Gas and Electric Co., Great Western Power Co., Key System Transit Co., Southern Pacific Co., Market Street Railway Co., and the San Francisco Short Line Railroad Company.

In the broadcasting field the Association has at all times taken an active interest. It has recognized that broadcasting is the very life of the industry. In the early days, when local stations were struggling for a foothold, the Association contributed financial support for an extended period of time to the stations.

Subsequently, with the increasing demand on the part of the public for better and more comprehensive programs, the Association itself sponsored numerous outstanding feature broadcasts, some of which were epochal.

During past summers when there were no musical programs on the air in the afternoon, precluding dealers from making adequate demonstrations, thus hindering the sale of radios, the Association itself sponsored and paid for programs every afternoon of the week, with the exception of Sundays, for a period of three months each year.

On behalf of the retail trade several surveys and studies were made by special committees of the Association, many of which were valuable contributions to the radio business, the sole purpose being to help the trade conduct a profitable business.

Dealer aids in the form of window strips, posters, etc., are constantly being developed and sent to the trade. The Association aims to keep the trade informed of feature broadcasts and important events which create business and tend to develop the industry.

A recent development has been the organization of dealer organizations affiliated with the Pacific Radio Trade Association, they are the San Francisco and the East Bay Radio Retailers' Associations. Breakfast meetings are held by each once a month.

The officers of the San Francisco Radio Retailers' Association are: E. Roy Nash, President; R. D. Eastman, Vice-President;

Directors: Nash, Eastman, W. K. Glasby, W. E. Quarg, Louis Levy, Bob Byington and Eric Unmack.

The East Bay Radio Retailers' Association officers are: L. B. Quimby, President; William Gibbs, Vice-President; Directors: L. B. Quimby, William Gibbs, William W. Cross, E. J. Thompson, Max Widasky, Russell J. Franck, and Jack Henderson.

In addition, meetings of the Pacific Radio Trade Association are held from time to time. Leaders of the industry and prominent business men present subjects of vital interest to the trade and industry.

In legislation, whether national, state or local, affecting the radio business, the Association has at all times taken an active interest. It was through its efforts, combined with those of other trade organizations, that the present national legislation, creating a Federal Radio Commission was brought about.

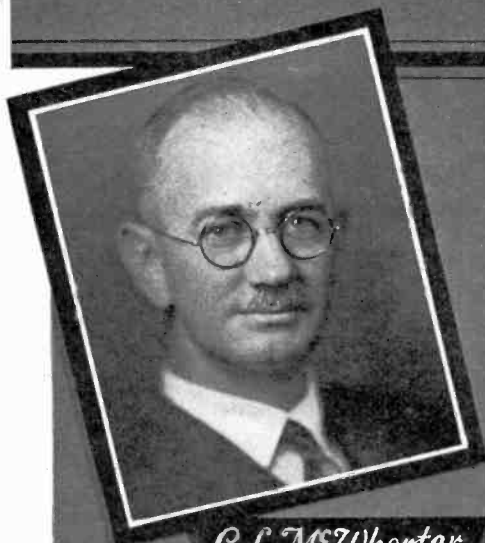
Several years ago the railroads of this country proposed a 50 per cent increase in freight rates on receiving sets. This proposal was actively opposed by the Association, resulting in a denial of the proposed increase by the Interstate Commerce Commission and the California Railroad Commission. Had the increase been allowed it would have meant a material advance in prices which would have acted as a deterrent to the purchase of radio sets.

The Secretary's office maintains a file of detailed information regarding various lines carried by agents and jobbers. This information is available to members of the radio trade. In addition files of current radio publications are maintained.

This summary demonstrates the importance of the Pacific Radio Trade Association in the life of the radio industry. Through its efforts harmony prevails and the industry in northern and central California is prosperous.

The Association is constantly increasing the scope and sphere of its activities. Every individual and firm in the radio business in central and northern California, benefits from the work of the Pacific Radio Trade Association.

PACIFIC RADIO EXPOSITION
~ ~ COMMITTEE ~ ~



C. L. McWhorter



W. J. Aschenbrenner



Geo. Marsh



C. L. McCarthy

Directory of Exhibitors

Exhibitor	Booth	Exhibitor	Booth
American Bosch Magneto Corp.....	23 to 28	Detsch & Co., A.....	18
Receiver.		Sterling.	
Amrad Radio Receivers.....	85, 86, 87, 90, 91	Edison Distributing Co.....	
Receiver.	Right half under stage	
Apex Electric Mfg. Co.....	32, 35, 36	Receiver.	
Receiver.		Earl, C. A. Radio.....	56
Arcturus Radio Tube Co.....	79	Receiver.	
Radio tube.		Electrad Research Laboratories.....	79
Atwater Kent Mfg. Co.....	37 to 46	Resistors.	
Receiver.		Electric Corporation, The.....	52 and 53
Brandes Radio.....	75, 76, 77, 80, 81	Silver Radio	
Receiver.		Electric Supply Co., The.....	68, 69 and 70
Bremmer-Tully Radio Co.....	106, 109	Sets, accessories and parts.	
Receiver.		Eveready Receivers.....	
Baldwin, Inc., Nathaniel.....	7888, 89, 92, 93, 94 and Room F	
Receiver.		Receiver and batteries.	
Broadcast Weekly.....	67	Fada Radio.....	105
Magazine.		Receiver.	
Brunswick-Balke-Collender Co.....	31 and 34	Fobes Supply Co.....	71 and 72
Brunswick receiver.		Kellogg receiver.	
Bushnell & Rayner.....	132	Graybar Electric.....	113, 114 and 115
Sulmock radio cabinets, Wellston		Graybar receivers, speakers and	
Gold Test aerials, Magnavox and		equipment.	
Jensen speakers and furniture.		Garnett, Young & Co.....	54 and 55
California Victor Distributing Co.....		Stromberg-Carlson receiver.	
.....Left half under stage		Gilfillan Bros., Inc.....	59 and 63
Victor receiver.		Receiver.	
CeCo Manufacturing Company.....	6, 7	Grigsby-Grunow Company.....	95 to 104 Rm. H
Radio tube.		Majestic receiver.	
Chanslor-Lyon Stores, Inc.....	49, 50, 51	Hale Bros., Inc.....	57, 58, 62 and Room K
Zenith.		Stromberg-Carlson, Radiola, Atwater	
Coast Radio Supply Co.....	56	Kent, Majestic, Graybar and Spar-	
C. A. Earl radio, Cunningham tubes,		tan.	
Eveready batteries and Farrand		Holmes & Crane.....	95 to 104
speakers.		Majestic receivers.	
Crosley Radio Corp.....	85, 86, 87, 90, 91	Hot-N-Kold Corporation.....	106 and 109
Receiver.		Bremer-Tully receiver.	
Cunningham, Inc., E. T.....	47	Ingold, Ernest, Inc.....	37 to 46, Room B
Radio tube.		Atwater Kent receiver.	
Curtiss Co., H. R.....	2, 14, 15	Jackson, W. E. and W. H.....	32, 35, 36
Sparton receiver and Magnavox		Apex and A. C. Dayton receivers,	
speakers.		Marvin tubes.	
Day Fan Radio Co.....	83, 84	Jackson-Bell Distributing Co.....	130
Receiver.		Jackson-Bell receiver.	
Dayton, A. C. Navigator.....	32, 35, 36	Jensen Radio Manufacturing Co.....	
Receiver.	73 and Room J	
De Forest Radio Company.....	128	Jensen speakers.	
Radio tube.			

(Continued on Page 30)

Now in Port

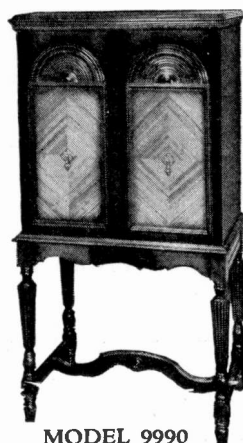
DAYTON "Navigator"--1930 Series —A Great Instrument

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All signals completely filtered and selected before amplification—that means quality in tone.

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SEE EXHIBIT AT RADIO EXPOSITION. SPACES 32-35-36

Directory of Exhibitors

(Continued from Page 28)

Exhibitor	Booth	Exhibitor	Booth
Jewell Electrical Instrument Co.....	129	Radio Victor Corporation of America.....	1, 16, 60, 61, 64, 65, 66
Meters and testers.		Radiola receivers and speaker, Radiotron tubes.	
Kellogg Switchboard and Supply Co.....	71 and 72	Rola Company, The.....	Room E
Receiver.		Rola magnetic and dynamic speakers.	
Kemper Radio Corporation.....	137 and Rm. I	Rapp Corporation, The John G.....	75, 76, 77, 80, 81, 116, 117 and 118
Kemper compact all-electric receiver.		Temple, Kolster and Brandes receivers.	
Kierulff & Ravenscroft.....	85, 86, 87, 90 and 91	Sherman, Clay & Co.....	29, 30, 33
Crosley and Amrad receivers.		Victor, Radiola, Atwater Kent, American, Bosch and Brunswick receivers.	
Kimball-Upson.....	95 to 104	Silver-Marshall, Inc.....	52 and 53
Majestic receivers.		Receiver.	
Kolster Radio Corporation.....	75, 76, 77, 80, 81	Sonora Phonograph Co.....	3, 12, 13
Kolster and Brandes radios.		Sonora receiver.	
Landes, W. G. Sales Co.....	132	Stewart-Warner Sales Co.....	122, 123 and 135
Mandell chassis, Continental tubes, Trimm speakers.		Stewart-Warner receiver and speaker.	
Listenwalter & Gough, Inc.....		Stromberg-Carlson Co.....	54 and 55
124, 125, 126, 127 and 133 and 134		Receiver.	
All American Mohawk, Lyric receiver, Federal Ortho-Sonic receiver, Rola speaker, Sonatron tubes.		Temple Radio Corporation.....	116, 117, 118
Macomber Agencies.....	48	Receiver.	
Falck radio receiver, Bluebird Furniture Mfg. Co., Caswell Pick-ups.		Thompson Co., Frederick H.....	95 to 104
Magnavox Company, The.....		Majestic receivers.	
119, 120, 121 and 136 and Room C		Universal Agencies.....	79
Magnavox dynamic speakers.		Arcturus tubes and Electrad.	
Monarch Radio Corporation.....	139 and 140	United Radio Supplies Co.....	105
Radio receiver.		Fada receiver, Radiotron tubes, Eveready battery.	
National Co., Inc.....	82	Victor Radio.....	Left half under stage
Radio parts and kits, National products.		Receiver.	
National Carbon Co.....		Victory Speaker, Inc.....	131
88, 89, 92, 93, 94 and Room F		Speaker.	
Eveready receivers and batteries.		Waterhouse-Weinstock-Scovel Co.....	
Offenbach Electric Co.....		23 to 28 incl.	
19, 20, 21, 22 and 22½ and Room M		American Bosch receivers.	
Remler Mfg. Co., Wright DeCoster, Inc., Sansome Electric Co., Jewell Electrical Instrument Co., Arcturus Tube Co., CeCo tubes.		Western College of Radio.....	74
Pacific Wholesale Radio, Inc.....		School of radio.	
88, 89, 92, 93 and 94		Weston Electrical Instrument Co.....	17
Eveready receiver.		Meters and testers.	
Patterson Electric Co.....	138	Weinstock, Inc., Robert.....	4, 5, 8, 9, 10, 11
Receiver.		A. H. Grebe receiver, Steinite receiver, Kenrad tubes, Radiotron tubes and Jensen speakers.	
Philadelphia Storage Battery Co.....		Wholesale Radio Supply Co.....	84
107, 108, 110, 111, 112, Room D		Eria receiver.	
Philco receivers and batteries.		Wolf, C. N. Co.....	138
		Ballket.	
		Zenith Radio Corp.....	49, 50 and 51
		Receiver.	

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PRONOUNCED
SEE - CO
Radio Tubes

—better tone quality and clearer reproduction

If you want a thrill from an extra-fine performance of your radio, install a complete set of CeCo Tubes at one time.

Users of CeCo Tubes have learned to expect exceptionally faithful reproduction of tone quality. They also know that it is not necessary to shift tubes from one socket to another in order to obtain the best reproduction their set is capable of giving—the high quality and character of CeCo Tubes are uniform.

There are 64 reasons for this excellent performance of CeCo

Tubes. Every tube that leaves the CeCo factory is thoroughly seasoned and given 64 exacting tests for uniformity of quality and characteristics that effect successful radio reproduction.

The result is not only uniformity, but much longer life as well.

If you need just one tube, try a CeCo. As the other tubes wear out, install CeCo's until you have a complete set. Then call in your neighbors and ask them if they ever heard better radio reproduction.

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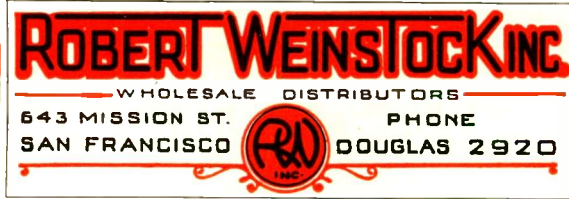
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LOS ANGELES
BERNARD KRUGER, *Manager*

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America's Greatest Radio Value--
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WHOLESALE DISTRIBUTORS
643 MISSION ST. PHONE
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utmost development of
all the discoveries that
radically change radio.

- SCREEN GRID TUBES
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8 and 9

PRODUCTS ON DISPLAY

Product	Booth
Amrad	85, 86, 87, 90, 91
Apex	32, 35, 36
Arcturus.....	19, 20, 21, 22, 22½ and 79, Room M
Atwater Kent.....	29, 30, 33, 37 to 46, 57, 58, 62, Rooms K and B
Baldwin	78
Bosch.....	23, 28, 29, 30, 33
Brandes.....	75, 76, 77, 80, 81
Bremer Tully.....	106, 109
Broadcast Weekly	67
Brunswick	29, 30, 31, 33, 34
Ceco.....	6, 7, 19, 20, 21, 22, 22½ and Room M
Crosley	85, 86, 87, 90 and 91
Cunningham	47, 56
Day Fan.....	83, 84
Dayton	32, 35, 36
DeForest	128
Don Lee	Room F
Earl	56
Edison	Right half under stage
Electrad	79
Erla	84
Eveready.....	56, 88, 89, 92, 93, 94, 105
Fada	105
Falck	48
Farrand	56
Federal.....	124, 125, 126, 127, 133, 134
Graybar	113, 114, 115
Grebe.....	4, 5, 8, 9, 10, 11
Jackson Bell	130
Jensen.....	4, 5, 8, 9, 10, 11, 73, 132 and Room J
Kenrad	4, 5, 8, 9, 10, 11
Kolster.....	75, 76, 77, 80, 81, 116, 117, 118
Kellogg	71, 72
Kemper.....	137 and Room I
Magnavox.....	2, 14, 15, 119, 120, 121, 132, 136 and Room C
Majestic.....	57, 58, 62, 95 to 104, Room H, Room K
Mandell	132
Marvin	32, 35, 36
Mohawk.....	124, 125, 126, 127, 133, 134
Monarch	139, 140
National	82
Patterson	138
Philco.....	107, 108, 110, 111, 112, Room D
Radiola.....	1, 16, 29, 30, 33, 57, 58, 60, 61, 62, 64, 65, 66, Room K
Radiotron.....	1, 4, 5, 8, 9, 10, 11, 16, 60, 61, 64, 65, 66, 105
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Sonora.....	3, 12, 13
Sparton	2, 14, 15, 57, 58, 62, Room K
Steinite	4, 5, 8, 9, 10, 11
Sterling	18
Stewart Warner	122, 123, 135
Stromberg Carlson	54, 55, 57, 58, 62, Room K
Sulmock Cabinets	132
Temple.....	75, 76, 77, 80, 81, 116, 117, 118
Trimm	132
Victor.....	29, 30, 33, left half under stage
Victory	131
Wellston	132
Zenith	49, 50, 51



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Uncanny...

... how stations come in with full undistorted volume ... with ARCTURUS A-C Tubes.

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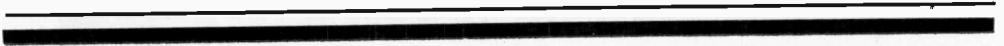
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BLUE ^{A-C} **LONG LIFE TUBES**

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WEEKLY**

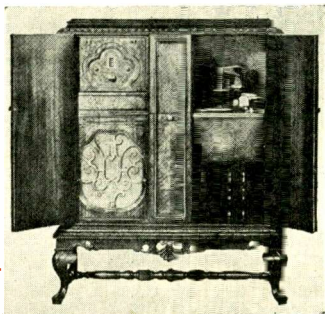
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THE incomparable richness and realism of SPARTON Radio modeled in a single masterpiece with the finest *Record-Reproducer* known to re-creation. Encased in rich walnut, deep carved in pure French design, and exquisitely finished with superb fittings and spacious record compartment. Superlative record reproduction with magnetic pickup and audio amplification. Plays 12 successive records without re-loading. Changes records automatically in 9 seconds, less than half the time ordinarily required. Takes 10" and 12" records of all types. Both in sheer beauty and perfect performance, the finest *Phono-Radio* money can buy. See and hear it at the nearest SPARTON Dealer—



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FACE-TO-FACE *Realism*

BOOTH RESERVATIONS

Booth Exhibitor

1. Radio Victor Corp. of America
2. H. R. Curtiss Co.
3. Sonora Phonograph Co.
4. Robert Weinstock, Inc.
5. Robert Weinstock, Inc.
6. Ceco Mfg. Co.
7. Ceco Mfg. Co.
8. Robert Weinstock, Inc.
9. Robert Weinstock, Inc.
10. Robert Weinstock, Inc.
11. Robert Weinstock, Inc.
12. Sonora Phonograph Co.
13. Sonora Phonograph Co.
14. H. R. Curtiss Co.
15. H. R. Curtiss Co.
16. Radio Victor Corp. of America
17. Weston Electrical Instrument Co.
18. A. Detsch & Co.
19. Offenbach Electric Co.
20. Offenbach Electric Co.
21. Offenbach Electric Co.
22. Offenbach Electric Co.
- 22½. Offenbach Electric Co.
23. Waterhouse Weinstock Scovel Co.
24. Waterhouse Weinstock Scovel Co.
25. Waterhouse Weinstock Scovel Co.
26. Waterhouse Weinstock Scovel Co.
27. Waterhouse Weinstock Scovel Co.
28. Waterhouse Weinstock Scovel Co.
29. Sherman, Clay & Co.
30. Sherman, Clay & Co.
31. Brunswick Balke Collender Co.
32. W. E. & W. H. Jackson
33. Sherman, Clay & Co.
34. Brunswick Balke Collender Co.
35. W. E. and W. H. Jackson
36. W. E. and W. H. Jackson
37. Ernest Ingold, Inc.
38. Ernest Ingold, Inc.
39. Ernest Ingold, Inc.
40. Ernest Ingold, Inc.
41. Ernest Ingold, Inc.
42. Ernest Ingold, Inc.
43. Ernest Ingold, Inc.
44. Ernest Ingold, Inc.
45. Ernest Ingold, Inc.
46. Ernest Ingold, Inc.
47. E. T. Cunningham, Inc.
48. Macomber Agencies.
49. Chanslor Lyon Store, Inc.
50. Chanslor Lyon Store, Inc.
51. Chanslor Lyon Store, Inc.
52. Electric Corp.
53. Electric Corp.
54. Garnett Young & Co.
55. Garnett Young & Co.
56. Coast Radio Supply Co.
57. Hale Bros., Inc.
58. Hale Bros., Inc.
59. Gilfillan Bros., Inc.
60. Radio Victor Corp. of America
61. Radio Victor Corp. of America
62. Hale Bros., Inc.
63. Gilfillan Bros., Inc.
64. Radio Victor Corp. of America
65. Radio Victor Corp. of America
66. Radio Victor Corp. of America
67. Broadcast Weekly.
68. Electric Supply Co.
69. Electric Supply Co.
70. Electric Supply Co.
71. Fobes Supply Co.
72. Fobes Supply Co.
73. Jensen Radio Mfg. Co.
74. Western College of Radio.
75. John G. Rapp Corp.
76. John G. Rapp Corp.

Booth Exhibitor

77. John G. Rapp Corp.
78. Nathaniel Baldwin, Inc.
79. Universal Agencies
80. John G. Rapp Corp.
81. John G. Rapp Corp.
82. National Co., Inc.
83. Day Fan Radio Co.
84. Wholesale Radio Supply Co.
85. Kierulff & Ravenscroft
86. Kierulff & Ravenscroft
87. Kierulff & Ravenscroft
88. National Carbon Co.
89. National Carbon Co.
90. Kierulff & Ravenscroft
91. Kierulff & Ravenscroft
92. National Carbon Co.
93. National Carbon Co.
94. National Carbon Co.
95. Grigsby Grunow Co.
96. Grigsby Grunow Co.
97. Grigsby Grunow Co.
98. Grigsby Grunow Co.
99. Grigsby Grunow Co.
100. Grigsby Grunow Co.
101. Grigsby Grunow Co.
102. Grigsby Grunow Co.
103. Grigsby Grunow Co.
104. Grigsby Grunow Co.
105. United Radio Supplies Co.
106. Hot-N-Kold Corp.
107. Philadelphia Storage Battery Co.
108. Philadelphia Storage Battery Co.
109. Hot-N-Kold Corp.
110. Philadelphia Storage Battery Co.
111. Philadelphia Storage Battery Co.
112. Philadelphia Storage Battery Co.
113. Graybar Electric
114. Graybar Electric
115. Graybar Electric
116. John G. Rapp Corp.
117. John G. Rapp Corp.
118. John G. Rapp Corp.
119. Magnavox Co.
120. Magnavox Co.
121. Magnavox Co.
122. Stewart Warner Sales Co.
123. Stewart Warner Sales Co.
124. Listenwalter & Gough, Inc
125. Listenwalter & Gough, Inc
126. Listenwalter & Gough, Inc
127. Listenwalter & Gough, Inc
128. DeForest Radio Co.
129. Jewell Electrical Instrument Co.
130. Jackson Bell Dist. Co.
131. Victory Speaker, Inc.
132. Bushnell & Rayner, W. G. Landes Sales Co.
133. Listenwalter & Gough, Inc.
134. Listenwalter & Gough, Inc.
135. Stewart Warner Sales Co.
136. Magnavox Co.
137. Kemper Radio Corp.
138. Patterson Radio Corp.
139. Monarch Radio Corp.
140. Monarch Radio Corp.
- Room B. Ernest Ingold, Inc.
- Room C. Magnavox Co.
- Room D. Philadelphia Storage Battery Co.
- Room E. Rola Company
- Room F. Don Lee
- Room H. Grigsby Grunow Co.
- Room I. Kemper Radio Corp.
- Room J. Jensen Radio Mfg. Co.
- Room K. Hale Bros., Inc.
- Room M. Offenbach Electric Co.
- Left half under stage—California Victor Dist. Co.
- Right half under stage—Edison Distributing Co.

AMRAD

THE BEL CANTO SERIES



The Duet

The sheer beauty of this cabinet exquisitely proportioned of Indian laurel will thrill you.

This radio, a phonograph combination, will grace the finest home that money can buy.

Complete in Your
Home

Eight tubes, three Screen-Grids,
Mershon condenser, R.C.A.
106 Speaker

\$547.00

Exclusive California Distributors

KIERULFF & RAVENSCROFT

INCORPORATED
RADIO EQUIPMENT



121-131
Ninth Street
SAN FRANCISCO

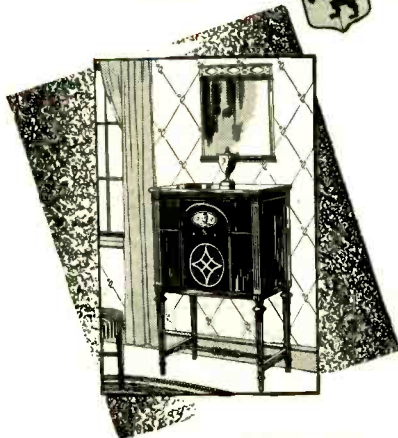
135-139
West 17th Street
LOS ANGELES

See the Complete Amrad Line—Booths 85 to 87



The
MASTER BUILDER
 of **SCREEN-GRID**
RADIOS *Presents*

SILVER Radio



No aerial, no loop . . . no "installation" . . .
 8 tube, all electric . . . Screen-grid power
 detector . . . Matched-Impedance dynamic
 speaker . . . Over-tone Switch for static
 reduction . . . Sheraton Lowboy Console of
 matched walnut veneers . . . \$170.00 less tubes.

NO question about it . . . "screen-grid" is the magic word in radio today.

But before you buy your screen-grid radio, find out "WHO'S WHO" in screen-grid design . . .

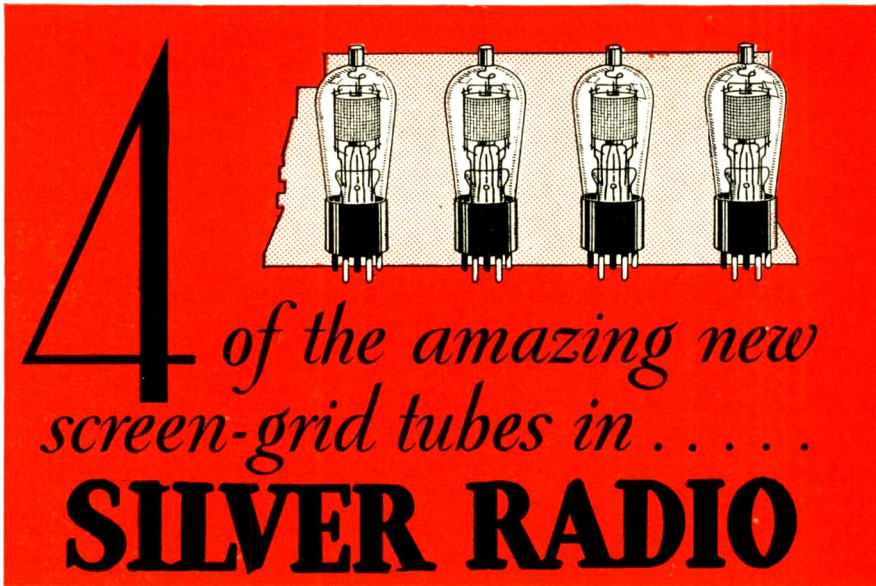
Ask any radio expert . . . the technical men in service departments who know radio like a book. Ask those "Fans" who have built "Custom" radios and know "What makes the wheels go 'round."

Distributed

The Electric

145 Ninth Street, San Francisco

SILVER . ON . RADIO . IS



YOU'LL find interesting facts, for instance—that **ONLY ONE** screen-grid radio comes to you with the distinction of **YEARS** of screen-grid manufacturing experience back of it—**FOUR** of the new screen-grid tubes in its 8-tube chassis, requiring no aerial, no loop, no more "installation than a floor lamp . . .

The name is **SILVER** Radio. The makers are Silver-Marshall, pioneer builders of quality radio apparatus.

When you hear Silver Radio—you'll hear the kind of tone and performance you would naturally expect from the **ARISTOCRAT** of screen-grid radios . . . be sure you hear it before you decide on any screen-grid set . . .



*Unusually beautiful and distinctive are the console cabinets of **SILVER RADIO**—chaste and simple such as invariably distinguishes the creation of a great designer . . . Sheraton Highboy Console of matched walnut veneers . . . \$210.00 less tubes.*

by

Corporation

178 Tenth Street, Oakland

LIKE . STERLING . ON . SILVER

SPARTON'S Incorporate New Features

LIVING, vital realism is the hallmark of good radio today. One has only to observe the tremendous popular enthusiasm and demand for radio to realize the extent it has been improved. The skeptic of the past has become the enthusiast of the present. As the motor car metamorphosed from a curiosity and means of precarious pleasure to establish new, dependable, utilitarian standards of transportation, so has radio finally and completely emerged as a full-fledged musical instrument. And the person who loves beautiful music should no more think of postponing the enjoyment of radio waiting for the ultimate, than he would think of going indefinitely without an automobile simply because a few gadgets or wheels might be changed in some future new model.

Even the old bugaboo of static interference is now a minor problem in the better sets. Tuning is quick, simple and sure. No need for overlapping stations. Just as easy to tune at one end of the dial as at the other. But above all is the never-to-be-forgotten thrill of "face-to-face realism," the perfection of reproduction, the absolute absence of "radio intonation," the living naturalness of the music and the speaking voice. The thrill of feeling the very throb of the artist's personality, every surge and delicate inflection in musical tone as keenly and vividly as though the instrument itself were human, the performance actually transpiring in the listener's presence for him alone.

Such is radio today, and it is natural that there should be a tremendous increasing demand for the sets of those manufacturers who have thus made it possible to enrich home life so greatly and add so much to the joy of living. Picture, for instance, the manufacturers of the remarkable new Sparton Equasonne receivers, Sparks-Withington Company, sponsors of what is said to be the largest radio advertising campaign ever staged in Northern California. This company alone has five great factories working day and night to keep pace with the

demand for Sparton, and is materially increasing these facilities constantly. H. R. Curtiss Company, Northern California distributors for Sparton, have increased the sale of these receivers in this territory alone over 400 per cent to date over the previous year, and H. R. Curtiss, general manager of the company, states that many of its dealers have sold more Spartons during the "trough" summer months this year than they sold during the big fall and winter months last year.

Curtiss says: "As the curiosity of radio wore off the public became more discriminating and simply waited for what it wanted. The present wave of radio enthusiasm originated when Sparton gave the world a.c. all-electric radio, and this year has literally become a stampede when the famous Equasonne circuit and "radio's richest voice" were augmented with face-to-face realism and sheer beauty in cabinet design. Only those who have seen and heard



H. R. CURTISS

these new Spartons can appreciate how well-founded is this enthusiasm, how real and important are the improvements that have been made.

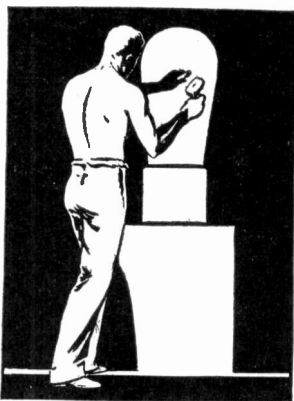
"In the Equasonne circuit are incorporated two outstanding features, both of them triumphs of engineering design. By means of the first every incoming wave, whether it be a station signal or static interference, is separated from the desired signal and rejected before the amplifying stage is reached. Obviously, it is far easier and more effective to eliminate unwanted signals before they are amplified than after they have been built up in strength. Secondly, the design of the tuning section of the receiver has been so modified that stations cannot overlap.

"With the old style of tuning, a station had to be hair-lined, it came in gradually to a peak, on either side of which the reception was inferior, and the bases of these pyramids overlapped. In the new Sparton Equasonne each station snaps in at full volume and stays there for perhaps a complete dial

(Continued on Page 62)



MY 227



TWO



MY 224

Outstanding Marvin Achievements

MY 227 and MY 224 typify Marvin leadership in the Radio Tube Field. Conceived by skilled Marvin Engineers and introduced only a comparatively short time ago these two tubes have been enthusiastically welcomed by the trade. Steadily mounting sales attest the sincerity of this welcome.

MY 227—establishes a new world's record for heater type detector tubes by heating up in *5 seconds flat*.

MY 224—is ingeniously constructed so it will not "short" even if dropped. Outer and inner shield-grids are doubly supported to prevent displacement or breakage. Maintains uniform electrical characteristics.

"Serve Better and Live Longer"

Marvin Radio Tube Corporation

IRVINGTON, N. J.

Distributors

W. E. & W. H. JACKSON, INC.

255 Ninth Street
San Francisco, Calif.

2511 Broadway
Oakland, Calif.

Pacific Coast Sales Office and Warehouse

M. J. FRIEL, 171 SECOND STREET, SAN FRANCISCO, CALIF.

SCREEN-GRID TUBES

AT FIRST thought there would seem to be no sane reason for coupling the two in one sentence. It has the fantastic sound of the famous jumble—"Shoes, and ships and sealing wax, cabbages and kings."

But screen-grid tubes and balloon tires have one highly important thing in common. Each has proved a revolutionary development in its field.

The parallel can be followed further. Balloon tires came into use so quickly that automobile manufacturers lagged behind in altering the structural features of their cars to obtain the best results from the change.

Similarly, the full value of the screen-grid tube is not obtained unless a set is built with that object in view. Merely to place screen-grid tubes in a set is not enough.

This fact accounts for the sensational success of the new Atwater Kent Screen-Grid set, which was announced on May 1. This set contains a vast number of improvements in the new circuit it uses, built around the enormous amplifying capacity of the screen-grid tube as compared with the old style tubes.

When the tube manufacturers announced the new a-c screen-grid tube, the Atwater Kent engineers and other radio authorities hailed it as the greatest forward step since the advent of the first power tubes.

Atwater Kent engineers realized at the outset the futility of any halfway measures. They saw that the only thing to do was to evolve a change in set construction that would bring the utmost benefit of the screen-grid tube to the purchasers of Atwater Kent broadcast receivers. Any other course, they knew, would be like placing an eight-cylinder engine in a four-cylinder chassis.

ATWATER KENT
RADIO

AND BALLOON TIRES!

The result of this reasoning was the new Atwater Kent Screen-Grid set, which undeniably has made radio history. Many authorities have expressed the firm belief that this set will not be improved upon by radio engineers for a long time.

The technical explanation of why the screen-grid tube is a big improvement over any other amplifying tube is difficult to express in simple terms.

The idea can be partially stated by comparison with the automobile engine. One screen-grid tube, as employed in the new Atwater Kent Screen-Grid set, is as much of an advance over the old style tube as the four-cylinder engine was over the first one-cylinder motor.

Two screen-grid tubes represent an increase in power, performance, reliability, convenience, and selectivity, comparable to the marvelous improvement demonstrated by the eight-cylinder engine over the four-cylinder variety.

The Atwater Kent Screen-Grid set gives the power, sensitivity, and pure tone quality that has been the aim of all set manufacturers. There is not a trace of a-c hum. The music or voices from the broadcast station come out of the Atwater Kent Screen-Grid receiver with every tone as clear and perfect as it was when the microphone at the studio picked up the vibrations. The set, with its circuit built expressly for the screen-grid tubes, performs after the manner of a finely adjusted filter. The result is a crystal pure flow of reception, free of all foreign sound.

The Atwater Kent Screen-Grid set can honestly be said to meet all the requirements of perfection in a radio receiver. Comparison of the new Atwater Kent with other sets using screen-grid tubes will instantly demonstrate Atwater Kent superiority, due to the fact that it is especially designed throughout for the use of these tubes.

SCREEN GRID RECEIVER

MAGNAVOX EXHIBIT TO BE FEATURE OF SHOW

The Magnavox Company has planned a unique exhibit for the San Francisco Radio Show. It is to be a revelation of new advances in reproduction and of dynamic loud-speaker manufacture.

The display and exhibit rooms will occupy the entire corner of the lower floor of the San Francisco Auditorium directly to the right of the stage. The booth will be handsomely designed and decorated in futuristic style depicting an old world cathedral.

Continuous demonstrations will be given in a soundproof room which will show comparative tonal values of various types of speakers, also late Magnavox accomplishments in reproduction. Recent models of the Magnavox dynamic speaker utilize the X-core feature. Rattles and hums have been eliminated and so sturdy is the construction of the new types that a "lifetime guarantee" is given with them.

Other space in the exhibit will unfold secrets of dynamic speaker manufacture. Magnavox, as creator of the loudspeaker art, has devised many original and novel methods of assembly which add further to the realistic rendition possible from Magnavox dynamic speakers.

All dealers are invited to make the Magnavox exhibit rooms their headquarters.

THE ARISTOCRAT OF RADIO SETS

Broadcast Weekly notes with interest the appointment of "Jimmy" Hermans, one of the pioneer manufacturers' representatives of radio parts and accessories, as the Pacific Coast representative of the new Star Raider.

Jim has long been identified with the radio trade as a representative of nationally known and favorably received products, such as the Pacent Electric Company, Formica Insulation Company and the Tower Manufacturing Company products. With background of years of experience Jim may be depended upon to know real products when he sees them. He states to us that this latest addition to his lines is one with unequaled qualities. The beauty, tone and performance gives the Star Raider the right to take its place among the leading radio sets. Its technical perfection is unquestionably the

most modern that radio engineering ingenuity has discovered. Combined with this perfection of technical detail is the superior beauty in cabinet design unequaled by any other make. Star Raider invites comparison side by side, both for performance and beauty of design, with any other make on the market. It is available in three models, each of which contains the same chassis, but differs in cabinet construction and design. Its price range, from \$435 to \$725, with its inclusion of a phonograph pick-up, stamps it as the aristocrat of radio sets. Jim states that its reception by the trade has been most gratifying and he looks to see public endorsement of this aristocrat confirm the manufacturer's theory that quality and not price governs the public purchases today.

SONATRON ENDURANCE TEST

"THE Sonatron Tube Company, with the co-operation of almost half of the active radio dealers in the country, is now conducting a nation-wide endurance test that will eventually establish a record for the life of its new Y 227 a.c. tube," according to Harry Chirelstein, president of the company.

"Forty thousand of these tubes in sets of two each were distributed free of charge to all dealers who signified their desire to cooperate with the company in conducting the unique test," said Mr. Chirelstein.

"According to the plan, dealers were to equip whatever set they desired with the tubes, and to place on top of the set a display card stating that 'A Sonatron new and improved instantaneous heating Y 227 tube is now undergoing an official life test in this radio.' The dealer was then requested to keep a record of the time the tubes were in use, and to report their results to the company at a given time. The large number of dealers who responded to the offer and are now participating in the experiment was far beyond the company's anticipations when the campaign was being planned.

"In a preliminary report, over 9000 dealers have informed the company that their tubes have been in use from 700 to 1440 hours, and the real test has scarcely begun."

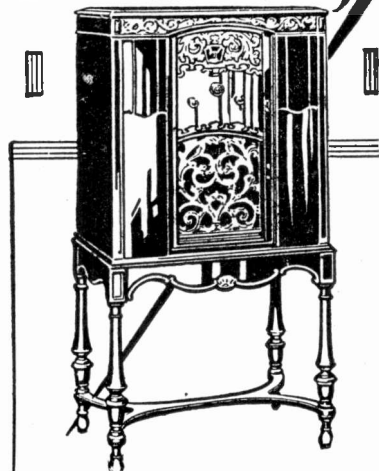
The data obtained by dealers throughout the country as a result of this unusual test is to be furnished by the Sonatron company to the United States Bureau of Standards in Washington, D. C.

Stromberg-Carlson

RADIO RECEIVERS

Booths 54 and 55

TONE-Beauty



GARNETT YOUNG and COMPANY

Pacific Coast Sales Agents

Program

of the 6th Annual

Pacific Radio Exposition

*From the model studio on the
stage at the Civic Auditorium*

Saturday, August 17

- 7 to 7:30 p.m.—KTAB—Spanish program—Announcer, Glenhall Taylor; featuring Aida Luther, soprano, and Lupe Luna, pianist
- 7:30 to 8 p.m.—KTAB—Piano recital—Announcer, Glenhall Taylor; featuring Walter J. Rudolph
- 8 to 10 p.m.—KTAB—Pickwick Follies—Announcer, Bob Roberts; featuring KTAB Salon Orchestra, Pickwickians (dance orchestra), Walter J. Rudolph and the Melody Masters; Lou Gordon, tenor; Jane Sargeant Sands, pianist; Joan Ray, contralto; Frank Cozzo and Dante Barsi, singing and accordion duo; Estelle Moran, pianist and singer; studio trio: Dorothy Nichols, 'cellist; Max Firestone, violinist, and Walter J. Rudolph, pianist; tabloid version, "Brother Bob's Frolic, featuring Barney Lewis, pianist; Gerda Lundegerg, Micky Green, the Anderson Sisters and Ray Raymond, "Brother Bob;" tabloid version of the "Night Owl," conducted by Willard W. Kimball; Glenhall Taylor, pianist; Alta Burgess, soprano; Carl Tobin, tenor; Al Lyon, baritone; Bud Armstrong, "The Dreamers" Male Quartet
- 10 to 11 p.m.—KTAB—Musical Hour—Announcer, Glenhall Taylor; featuring Irene Smith, mezzo-soprano; KTAB Orchestra and Jane Sargeant Sands, pianist

Sunday, August 18

- 2 to 3 p.m.—KJBS—Knickerbocker Orchestra and Knickerbocker Piano Duo, directed by Emille Illsley McCormack; Mabel H. Payne, mezzo-soprano; Leland B. Morgan, accompanist
- 3 to 4 p.m.—KJBS—Hot-N-Kold Corporation presents the "Radio Rodeo," featuring Eddie Holden, character impersonator; Frank J. Jones, impersonations and songs; the Lawrence Sisters, vocal trio; Abe Bloom, blues singer; George A. Jones, tenor; Earl Polinelle, accordionist; R. J. Bishop, tenor, and an instrumental trio
- 4 to 5 p.m.—KJBS—Astra Quartet: Dorothy Tourneur, soprano; Margaret Hanafin, violin; Rosalind Borowski, piano; Dorothy Nichols, 'cello
- 7 to 8 p.m.—KPO—Concert Hour, featuring 25-piece orchestra conducted by Cy Trobbe; Sequoians, male octet, and Elsa Behlow Trautner, soprano
- 8 to 8:30 p.m.—KPO—North American Building and Loan Association program, featuring

North American Quartet and Orchestra, Eva de Vol, soprano; Gretchen Brendel, contralto; Allan Wilson, tenor; Henry Perry, bass

- 8:30 to 9 p.m.—KPO—"Thirty Minutes of De Koven's "Robin Hood," featuring 25-piece orchestra and Eva de Vol, soprano; Orvilla De Pauw, mezzo-soprano; Gretchen Brendel, contralto; Allan Wilson, tenor; Chester Herold, tenor; Austin Mosher, baritone; Henry Perry, bass
- 9 to 10 p.m.—KPO—Chamber Music Hour, featuring Abas String Quartet and Allan Wilson, tenor; Eva Gruninger Atkinson, contralto; Margo Hughes, pianist
- 10 to 11 p.m.—KPO Revue Orchestra, 16 pieces, in special arrangements and old-time melodies; Cy Trobbe directing, with KPO Carolers, Refa Miller, soprano; Urban Hartman, tenor; Harvey Orr, baritone

Monday, August 19

- 2 to 3 p.m.—KJBS—Variety program conducted by Del Raymond, KJBS double-voiced singer; Harry Miles, pianist; Ray O'Donnell, tenor, and June Franklin, blues singer
- 3 to 4 p.m.—KJBS—Hot-N-Kold Corporation presenting the "Radio Rodeo," featuring Eddie Holden, character impersonator; Frank J. Jones, impersonations and songs; the Lawrence Sisters, vocal trio; Abe Bloom, blues singer; George A. Jones, tenor; Earl Polinelle, accordionist; R. J. Bishop, tenor, and an instrumental trio
- 4 to 5 p.m.—KFWI—Mabel Payne, soprano; Leland Morgan, accompanist; Grace Warren, violinist; William Jacinto, tenor; Charlotte Barrett, accompanist
- Mabel H. Payne—
Kiss Me Again.....Herbert
Song of Songs.....Moya
May Morning.....Denza
The Rosary.....Nevin
At Dawning.....Cadman
- Grace Warren—
The Old Refrain.....Kreisler
Rondino.....Beethoven-Kreisler
Frasquita.....Lehar-Kreisler
The Swan.....Saint-Saens
Spanish Dance.....Chaminade-Kreisler
From the Canebrake.....Gardner
- William Jacinto—
Daffodil Gold.....Hodgson
Believe Me if All Those Endearing
Young Charms.....Moore
I Hear a Thrush at Eve.....Cadman
Serenade.....Toselli
Mi-Ziejo Amor.....Oteo

Announcing

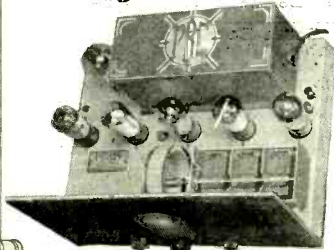


a New

Patterson Electric Radio

SEE . . . and HEAR . . . this marvelous RADIO . . .
three models in real Walnut Consoles . . . priced at
\$79.50 to \$97.50 . . . complete.

"Buy a Patterson and Save the Difference"



PATTERSON gives the dealer new freedom from servicing—for the Patterson is proof against the troubles that spoil ordinary radio reception and, best of all—a big profit in this wonderful radio line—discounts that work wonders for the profit side of your ledger. ▲ ▲ ▲

DEALERS: Write, wire or telephone for full information.

PATTERSON RADIO CORPORATION

239 South Los Angeles Street
MUTual 5827 Los Angeles

- Deep in the Heart of a Rose.....Size
A Brown Bird Singing.....Hayden Wood
- 7 to 7:30 p.m.—KFRC—Kansas Cleanser program, featuring June De Roche, Alice Blue, the Blackbirds, Abe Bloom, Virginia Spencer
- 7:30 to 8 p.m.—KFRC—Lincoln Finance program, featuring Frank Moss and the Cecilians, Paul Carson and Juliette Dunn; announced by William Wright
- 8 to 10 p.m.—KFRC—The Blue Monday Jamboree, sponsored by Golden State Milk Products Company over Don Lee Broadcasting System; Student Prince selections (first time on radio), ensemble, Juanita Tennyson, Lucille Atherton Harger, Raymond Marlowe, Harold Dana, Harrison Ward, Fred Brown, Harry McKnight and Lloyd Knight; El Capitan, male chorus; Toymaker's Dream, Edna O'Keefe; "Mac," Robert Olsen, tenor; Pearce Brothers, harmony duets; "He's a Bad Boy, But He Looks Good to Me," Jean Wakefield; Payne Thebaut, banjoist; Mickey Gillette and dance band; Norman Neilson, tenor; Abe Bloom, "The Sunshine Boy;" Alice Blue and Virginia Spencer, two pianos; June De Roche, comedy monologist; Simpy Fitts and some nonsense; Frank Watanabe; "I'll Do Anything for You," Jean Wakefield and Al Pearce; Barsi Dante, accordionist; Scotch Archer's Son, from Vagabond King, Harold Dana and male chorus; Harrison Holliday, master of ceremonies
- 10 to 11 p.m.—KFRC—Harmony Hour, featuring Alice Blue and Virginia Spencer, piano duos; Norman Neilson, tenor; Mickey Gillette, saxophonist

Tuesday, August 20

- 2 to 3 p.m.—KJBS—Hot-N-Kold Corporation presents the "Radio Rodeo," featuring Eddie Holden, character impersonator, and his horse "Albert;" Abe Bloom, blues singer; George A. Jones, tenor; the Lawrence Sisters, vocal trio; R. J. Bishop, tenor; Frank J. Jones, character songs; Earl Polinelle, accordionist, and instrumental trio.
- 3 to 4 p.m.—KYA—Trio, violin, 'cello, piano, featuring Mary Atkinson, Elbert Bellows, John and Ned
- Trio—
"With a Song in My Heart," from
"Spring Is Here".....Rodgers
"Dream Tango".....Davis
Mary Atkinson—
"My Gift for You".....Cadman
"Roses and You".....Walker
Trio—"If You're in Love You'll Waltz,"
from "Rio Rita".....Tierney
Elbert Bellows—
"Un Peu D'Armour".....Sileau
"The Road of the Loving Heart".....Stickels
Trio—"Stray Sunbeams".....Heurter
John and Ned (10 minutes)—
"I'm Telling You"
"He Men Chew Tobacco"
"Little Old Log Cabin in the Lane"
"I'd Do Anything for You"
Mary Atkinson—"Only a Rose," from
"The Vagabond King".....Friml
Trio—"Valse Bluette".....Drigo
Bellows and Atkinson—
"Out of the Dusk".....Lee
"Will You Remember?" from "Maytime"
.....Romberg
Trio—"Irish Silhouette".....Henry Hadley
Extra—Music Box.....Friml
- 4 to 5 p.m.—KYA—Rhythm Aces, featuring Tom Smith, Helen Troy, Hazel Warner and John Patrick
- Rhythm Aces—
"Whoopee Hat Brigade"
"Mean to Me"
"With a Song in My Heart"
Tom Smith—"Barnacle Bill the Sailor"
Hazel Warner—"Then I'll Know Why"
Rhythm Aces—
"Poor Butterfly"
"Breakaway"
"I'll Kiss Your Hand, Madame"
Helen Troy—Baby, Oh Where Can You Be?
Tom Smith—"How Many Miles to Vicksburg?"
Rhythm Aces—
"I'm Walkin' Around in a Dream"
"Tear Drops"
"Honolulu Blues"
Hazel Warner—"Some Day Soon"
Troy and Patrick—"You, Just You"
Rhythm Aces—
"Why Only You?"
"That Music Box Tune"
"Some Sweet Day"
- 7 to 7:30 p.m.—KGO—KGO Small Ensembles
Rembrandt Trio—Romance Andalusia
The Melodettes—
"Do You Know My Garden?"
"Will o' the Wisp"
"The Swallows"
Rembrandt Trio—"Moonbeams"
The Olympians—
"Pagan Love Song"
"The Song of Siberia"
"The Mulligan Musketeers"
- 7:30 to 8:30 p.m.—KGO—Special short-week program inaugurating the regular schedule of W6XN, state and civic officials participating; musical program featuring artists of many foreign countries, wearing native costumes; (program to be rebroadcast by foreign countries)
- 8:30 to 9:30 p.m.—KGO—The Pilgrims' Concert, featuring August Hinrichs, director; Grace Le Page, soprano; Eva Gruninger Atkinson, contralto, and the Olympians
"Marche Militaire".....Saint-Saens
Contralto—"Habanera" ("Carmen").....Bizet
Scherzo.....Hinrichs
Duet for flute and clarinet—
"Lo. Hear the Gentle Lark".....Bishop
Selection—"The Three Musketeers".....Friml
Soprano, with flute obligato—
"The Gypsy and the Bird".....Benedict
Overture—"Rosamunde".....Schubert
The Olympians—"Rangers' Song (Rio Rita)
.....Tierney
Dance of the Clowns.....Rimsky-Korsokoff
Contralto—Hindu Chant.....Bemberg
Liebesleid.....Kreisler
- 9:30 to 10 p.m.—KGO—The Seven Sauntering Sailors
- 10 to 11 p.m.—The KGO "Regulars"
Parisian Quintet—Hungarian Dance No. 1
.....Brahms
Grace Le Page, soprano—Morning.....Speaks
Mme. Berthe Baret, violin—A la Vals.....
.....Herbert
The Three Boys of KGO
Annabelle Jones Rose, contralto—
Into the Dawn With You.....Lee
Rembrandt Trio—
Ask of the Stars Above You—Mexican
Folk Song
The Melodettes—The Glow Worm.....Lincke
Eva Garcia, piano—By the Brookside.....
.....Stodjowski
Parisian Quintet—Chanson Meditation.....
.....Cottenet
The Strolling Troubadour
Dorothy Dukes Dimm, 'cellist—Trees.....
.....Rasbach
Finale by the Ensemble

**See These New GILFILLAN Models
That Set Higher Standards for
TONE and SELECTIVITY**

Gilfillan Radio

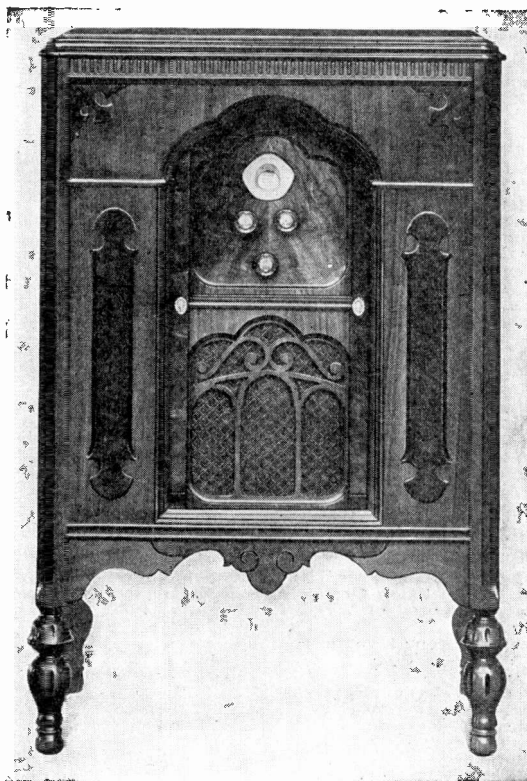
Three New Cabinet Designs!

Three new cabinet designs—custom-built chassis—silent operation—no a-c hum—sharpest selectivity with great distance—gaining power—new audio system and 4 stages of radio frequency amplification—screen-grid and latest type dynamic speaker—three attractive cabinet styles over compelling price range—complete with tubes and dynamic speaker.

\$179.50

\$198.50

\$210.00



THE NEW MODEL 100

GILFILLAN BROS., Inc., Los Angeles

920 Mission St.
SAN FRANCISCO

100 Elliott Avenue West
SEATTLE

"BUILT FOR WESTERN RECEPTION"

Wednesday, August 21

- 2 to 3 p.m.—KFRC Matinee—KFRC Orchestra, direction Frank Moss
Kismet March.....Trinkhaus
Orchestra—Blue Danube.....Strauss
Mixed quartet (to be selected)
Orchestra—Suite from the South.....Nicodi
Juanita Tennyson, soprano—Indian Love
Call, from "Rose Marie".....Friml
Symphonic jazz orchestra—Teardrops
Lucille Atherton Harger, mezzo-soprano—
Allah's Holiday ("Katinka").....Friml
Morris Dance, Torch Dance, from Henry
VIII Suite.....Germain
Mixed quartet (to be selected)
Orchestra—Spanish Doll
Raymond Marlowe, tenor—One Alone and
Desert Song, from "Desert Song".....Romberg
Orchestra—Monastery Garden.....Ketyby
Harold Dana, baritone—Fuzzy Wuzzy.....Hall
Orchestra—Egyptian March.....Luigini
- 3 to 4 p.m.—KJBS—Hot-N-Kold Corporation
presenting the "Radio Rodeo," featuring
Eddie Holden and his horse "Albert," Abe
Bloom, George A. Jones, the Lawrence Sis-
ters, R. J. Bishop, Frank J. Jones, Earl Pol-
linelli and an instrumental trio
- 4 to 4:30 p.m.—KJBS—Art Fadden, pianist, in
"A Little of This, That and the Other" and
the KJBS Troubadour
- 4:30 to 5 p.m.—KJBS—Studio program, present-
ing Nita Mitchell, with Florence Sanger at
the piano
- 7 to 7:15 p.m.—American Broadcasting Com-
pany—The Rhythm Aces
Rhythm Aces—
I've Got a Feeling I'm Falling
Lover Come Back to Me
Mary Atkinson—Ah, Sweet Mystery of Life
.....Herbert
Rhythm Aces—If I Had You
- 7:15 to 8 p.m.—ABC—Six Best Steppers, featur-
ing the Rhythm Aces, Mary Atkinson and
Tom Smith
Rhythm Aces—Little Coat of Tan
Tom Smith—Blue Yodel
Rhythm Aces—Am I Blue
Mary Atkinson—Blue Hawaii
Tom Smith—Hello, Bluebird, Hello!
Rhythm Aces—
I'll Always Remember Your Love
Siboney
Mary Atkinson—Song of Songs.....Berlin
Tom Smith—He's in the Jail House Now
Rhythm Aces—Song of Siberia
- 8 to 9 p.m.—ABC—"Over Land and Sea," featur-
ing Pacific Salon Orchestra and the mixed
quartet, composed of Wren, Lewis, Jones and
Gillette
Orchestra (theme), with soprano—
On Wings of Song
- Egypt
Orchestra—Ballet Egyptian.....Luigini
Vocal (Wren)—The Nile.....Leroux
Orchestra—Egyptia.....Zamecnik
(Theme)
 - France
Orchestra—Overture, "Mignon".....Thomas
Vocal—Spring Song from "Samson and
Delilah".....Saint-Saens
Orchestra—L'Amour de L'Apache
(Apache dance).....Offenbach
 - Ireland
Orchestra (with excerpts from "Eileen"
vocal inserts).....Herbert
Orchestra—March, Ireland.....Spink
(Theme)
 - United States—South
Orchestra—Medley, In the Sunny South,
arranged by Lampe

- Orchestra, with mixed quartet—
Down South.....Myddleton
Orchestra (theme), with soprano—
On Wings of Song
- 9 to 9:15 p.m.—The ABC Twins, John and Ned
Plodding Along
Here Comes the Ball and Chain
Somebody Cares
Heading Home
They All Go Back to Matches By and By
- 9:15 to 9:30 p.m.—ABC—Rhythm Aces
Jericho
Maybe, Who Knows?
Song of the Islands
- 9:30 to 10 p.m.—ABC—Capers program, featur-
ing:
Rhythm Aces—Do Something
Hazel Warner—You and I in the Moonlight
Piano duo (Holton and Bryant)—Piano Duet
Homer Sweetman—When My Dreams Come
True
John and Helen—That's You, Baby
Rhythm Aces—If I Had You
Georgie Stoll—Two favorite selections:
a. Mean to Me
b. Wild Cat
Helen Troy—Am I Blue
Rhythm Aces—Limehouse Blues Fantasy
- 10 to 11 p.m.—ABC—Sleepy Time, featuring Pa-
cific Salon Orchestra and Claire Upshur, Dor-
othy Lewis, Gwynfi Jones, Albert Gillette
Orchestra (theme with quartet)—Close Your
Eyes
Orchestra—Largo, from the New World
Symphony.....Dvorak
Quartet—My Isle of Golden Dreams.....Blaufuss
(Theme)
Orchestra—
By the Brook.....Boisdeffre
Night and Love.....Holmes
Duet, Lewis and Gillette—
Look Down, Dear Eyes.....Fisher
(Theme)
Orchestra—A Japanese Sunset.....Deppen
Vocal solo, Upshur—Traum durch die
Dammerung.....Strauss
Orchestra—Reverie
(Theme)
Duet, Upshur and Jones—L'Addio.....Nicolaï
Orchestra—Legends.....Wienlawsky
Orchestra, with quartet—In a Monastery
Garden.....Ketyby
Orchestra (theme), with quartet—
Close Your Eyes

Thursday, August 22

- 2 to 3 p.m.—KJBS—"Songs of the Moment," pre-
sented Al Sather, Grace Claire, June Douglas
and others
- 3 to 4 p.m.—KJBS—Hot-N-Kold Corporation
presents the "Radio Rodeo," featuring Eddie
Holden, character impersonations; Francois,
the chef; Abe Bloom, blues singer; the Three
Little Buttercupps, vocal trio; George A. Jones,
tenor; Earl Polinelle, accordionist; Frank J.
Jones, character songs; R. J. Bishop, tenor,
and an instrumental trio
- 4 to 4:30 p.m.—KJBS—"Blindcraft" request pro-
gram, featuring the Blindcraft Ensemble,
composed of Remilda McDonald, Pearl Byrd,
William Baller, Bud Cline, Frank Stewart,
George McDonald, Ray Scannell, Ed Raleigh;
piano accompaniment, Pearl Byrd
Blindcraft Chorus, by the Ensemble
Sylvia.....Speaks
Night Wind.....Ball
Blindcraft quartet composed of Remilda Mc-
Donald, Pearl Byrd, Frank Stewart, William
Baller
Ray Scannell—Old Irish Mother o' Mine.....
.....Von Tilzer

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- Pearl Byrd—Prelude in C-sharp Minor..... Rachmaninoff
- Remilda McDonald and Ensemble—..... Parks
An Irish Folk Song..... Foote
The Slumber Boar..... Gaynor
- Ray Scannell—
Where the River Shannon Flows..... Russell
I Wish They'd Do It Now
Parody on Wearing o' the Green
George McDonald—I Passed by Your
Window..... Brahe
Blindcraft Quartet—I Love You Truly..... Bond
George McDonald and Ensemble—
Bells of St. Mary's..... Adams
- 4:30 to 5 p.m.—KJBS—Presenting Ben Lipston,
lyric tenor; Jerry McMillan, jazz pianist; Mike
Caprero, accordionist
- 7 to 7:30 p.m.—KFWI—George Carson, baritone;
Lena Minehart, pianist; Maybelle Morrison,
violin
Lena Minehart, pianist—
Etude in D flat..... Liszt
George Carson, baritone—
Roadways..... Densmore
Maybelle Morrison, violinist—
Danse Espagnole..... Drdla
George Carson, baritone; Maybelle Morrison,
violin obligato—
Gypsy Love Song..... Herbert
Lena Minehart, pianist—
Caprice Espagnole..... Mozowski
George Carson, baritone—
The Horn..... Flegler
Maybelle Morrison, violinist—
Nocturne..... Chopin
George Carson, baritone—
Where Blossoms Grow..... Souci
- 7:30 to 8 p.m.—KFWI—Irving Krick, piano rec-
ital; Emma Mesow Fitch, dramatic contralto;
Marie Jansen, accompanist
Irving Krick—
1. An arrangement for the left hand alone
of the famous texted from the opera
"Lucia de Lammermoor" by Donizetti.
This arrangement is a composition by
Teschetski.
2. A selection from the famous Peer Gynt
suite by Grieg entitled, "In the Hall of
the Mountain King."
3. A paraphrase by Liszt on Verdi's opera,
"Rigoletto," embodying the famous Rigo-
letto quartet.
4. An ultra modern work by the eminent
Spanish composer Manuel de Falla. This
is entitled, "The Dance of the Fire
Adorers," and is a ritual fire dance in-
tended to banish evil spirits.
- Emma Mesow Fitch—
Excerpt from the opera "Mignon," Doest
Thou Know That Sweet Land?..... Thomas
Let All My Life Be Music..... Sproff
On Wings of Song..... Mendelssohn
Allah..... Chadwick
Allah..... Rogers
Thou Art My Peace..... Schubert
- 8 to 9 p.m.—KFWI—Amati Trio, instrumental;
Pacific Male Quartet; Zura Bells, accompanist
Amati Trio—
Devil's Serenade..... Vinanzio Billi
Where My Caravan Has Rested..... D'Lorah
Spanish Dance..... Rehfield
Carry Me Back to Old Virginny..... Bland
Spring Song..... Friml
Selection—The Merry Widow..... Lehar
Pacific Male Quartet—
Close Harmony..... O'Hara
I Long for Thee..... Hartel
California Happy Land..... Arr. by Zura Bells
Talk About Jerusalem Morning.....
From Yale Song Book
Ole Uncle Moon..... Scott
Where My Caravan Has Rested..... Lohr
Shout, Shout, Shout..... Arr. by Morse
- Swing Low, Sweet Chariot.....
Arr. by Zura Bells
Pale in the Amber West..... Parks
My Love's Own Song (comic)..... Morse
I've Gwine Back to Dixie..... White
- 9 to 10 p.m.—KFWI—Edith Sperry Smith, so-
prano, and Edna Swartz Saake, contralto, con-
tralto; Dr. Hus, violin obligato; Lena Mine-
hart, accompanist; Mary Rosalie Haslett,
harpist; May Dearborne Schwab, soprano;
Elsie Campbell, accompanist
- 10 to 10:30 p.m.—KFWI—Happy Chappies of
KFWI—Nat Vincent and Freddie Howard
10:30 to 11 p.m.—KFWI—Scotty McKenna, in
"A Little Bit of Scotch"; Mark Anderson, ac-
companist; Harry and Joe and the Old Banjo;
Jack Burt, baritone, in "A Little Bit of Irish";
Howard Eastwood, accompanist
- ## Friday, August 23
- 2 to 2:30 p.m.—KJBS—Presenting Cressy Ferra,
jazz pianist, and the KJBS Troubadour
2:30 to 3 p.m.—KJBS—Studio program
- 3 to 4 p.m.—KJBS—Hot-N-Kold Corporation
presents the "Radio Rodeo," with Eddie Hol-
den, character impersonator; the Lawrence
Sisters, vocal trio; Abe Bloom, blues singer;
George A. Jones, tenor; R. J. Bishop, tenor;
Earl Poinelle, accordionist; Frank J. Jones,
character songs, and an instrumental trio
- 4 to 5 p.m.—KJBS—Variety program, under the
direction of Dell Raymond, KJBS double-
voiced singer, with Harry Miles, pianist; Ray
O'Donnell, tenor, and June Franklin, blues
singer
- 7 to 8 p.m.—Victor Talking Machine Green
Room
Orchestra—Overture—Princess Juane.....
..... Saint-Saens
Quartet and orchestra—Gypsy Love Song.....
..... Herbert
Orchestra—Romanza..... Granados
Contralto solo—Habanera, "Carmen"..... Bizet
Trumpet solo—Julia..... Arriola
Tenor solo—Eleanore..... Coleridge-Taylor
Orchestra—Intermezzo—"Naila"..... Delibes
Baritone solo—Wanderers' Song.....
..... C. H. Gabriel, Jr.
Orchestra—Polonoise Militaire..... Chopin
Soprano solo—The Spirit Flower.....
- Orchestra—Suite—The Willow Plate..... Herbert
Saxophone solo—Amour Coquette..... Friml
Quartet and orchestra—Rigoletto..... Verdi
Eileen Piggott, soprano; Eva Atkinson, con-
tralto; Myron Niesley, tenor; John Teel,
baritone; Alfred Arriola, trumpeter; Clark
Wilson, saxophone; 16-piece orchestra con-
ducted by Charles Hart
- 8 to 9 p.m.—An RCA Hour of Grand Opera—
Complete performance of "Cavalleria Rusti-
cana," by Pietro Mascagni, by the RCA Opera
Company in costume, under the direction of
Max Dolin
Santuzza (a village girl)..... Barbara Blanchard
Lola (wife of Alfio)..... Margaret O'Dea
Turiddu (a young soldier)..... Harold Spaulding
Alfio (a teamster)..... Austin Mosher
Lucia..... Margaret O'Dea
- Chorus of peasants and villagers
- 9 to 10 p.m.—NBC—Borden Dairy program
Borden Blue and White Band—Underneath
the Russian Moon
Borden Quartet—Baby, Oh Where Can
You Be?
Borden basso—Zamboanga
Borden Blue and White Band—Twelfth
Street Rag
Borden Quartet—Old Folks at Home
Borden Quartet with Borden Blue and
White Band—Selections—Tip Toes

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 Borden Quartet—Sweetheart of Sigma Chi
 Borden Blue and White Band—
 I Love You, I Hate You
 Birmingham Bertha
 Borden Quartet—I'm Feathering a Nest for a Little Bluebird
 Borden banjo trio—Selected
 Borden tenor—You in a Gondola
 Borden Blue and White Band—I'm Coooco Again
 Borden Quartet with Borden Blue and White Band—Selections—No, No, Nanette
 Johnny O'Brien, harmonica soloist—Selected
 Borden Quartet—Give Me the Moonlight, Give Me the Girl
 Borden Blue and White Band—Head Low
 Irving Kennedy, tenor; Myron Niesley, tenor; Austin Mosher, baritone; Harry Stanton, basso; Johnny O'Brien, harmonica soloist; Borden Banjo Trio

10 to 11 p.m.—NBC—Broadway Melodies—
 Theme, Broadway Melody
 Orchestra selection and voices—Show Boat
 Tenor and orchestra—One Alone—Desert Song
 Soprano-contralto duet—Barcarolle—
 "Tales of Hoffman"
 Orchestra—With a Song in My Heart—
 "Spring Is Here"
 Mixed quartet—Allah's Holiday—"Katinka"
 Orchestra and Pepper Maids on chorus—
 I'm Doing What I'm Doing for Love
 Baritone solo—Myself When Young—
 "Persian Garden"
 Orchestra and voices—Rose Marie
 Baritone-contralto duet—Birth of Passion
 Orchestra, Pepper Maids on chorus—
 That's Living
 Soprano solo—Villia Song—"Merry Widow"
 Mixed quartet—Chinese Lullaby—"East Is West"
 Orchestra, Pepper Maids on chorus—
 Maybe, Who Knows?
 Contralto and orchestra—Here in My Arms—
 "Dearest Enemy"
 Tenor-Soprano duet—Suppose I Had Never Met You
 Orchestra and voices—Three Musketeers
 Theme song
 Cast: Ethel Wakefield, Marian Gilbert, John Teel, Easton Kent, the Pepper Maids and 16-piece orchestra conducted by Charles Hart

Saturday, August 24

2 to 3 p.m.—KJBS—"Songs of the Moment," featuring Al Sather, Grace Claire, June Douglas and others

3 to 4 p.m.—KJBS—Hot-N-Kold Corporation presents the "Radio Rodeo," featuring Eddie Holden, character impersonations; H. J. Bishop, tenor; Earl Polinelle, accordionist; George A. Jones, tenor; Abe Bloom, blues singer; the Lawrence Sisters, vocal trio; Frank J. Jones, character songs, and an instrumental trio

4 to 5 p.m.—KJBS—Knickerbocker Orchestra and the Knickerbocker Piano Duo, under the direction of Emilie Illsely McCormack, soloist; Mabel H. Payne, mezzo-soprano; accompanist, Leland P. Morgan

7 to 8 p.m.—KFWI—Mystery Tenor; Harriet Lewis, accompanist; Bel Canto Trio; Ruth Hall Crandall, contralto; Grace Porter Sagehorn, soprano; Mrs. Floyd J. Collar, mezzo-soprano; Mrs. Doris Olsen Howard, accompanist
 Mystery Tenor—
 Just a Cottage Small

Gypsy Love Song
 Somewhere a Voice Is Calling
 Brown Bird Singing
 I Love You Truly
 Just a-Wearyin' for You
 Still Unexpressed
 Kashmiri Song
 Bel Canto Trio—
 Group I—
 a. Nightingale's Song Nevin
 b. Mah Honey Kranz
 Group II—
 a. Gloria Buzzi-Peccia
 b. Songs My Mother Taught Me.....Dvorak
 Group III—
 a. Dawn Curran
 b. Rosita Dupont
 a. Indian Dawn Zamecknic
 b. The Sweet Little Girl.....Squigee

8 to 9 p.m.—KFRC—Tom Gerunovich and his Roof Garden Orchestra, KFRC Brunswick recording artists; in addition to the orchestra the vocal trio, Steve Bowers, Gary Notingham and Jimmie Davis, will be heard; courtesy the management of the Roof Garden Cafe

9 to 10 p.m.—KYA—KYA Revue
 Trio—Dark Eyes Horlick
 Jones and Gillette—Tenor and Baritone..... Wilson
 Helen Troy—Me and the Clock
 Mixed quartet—Sapphire Seas, from
 "The Firefly" Friml
 Trio—Village Dance Burleigh
 Tom Smith—I'm Gonna Be Happy From
 Now On
 Claire Upshur—Primavera Waltz.....Glazunov
 Patrick and Troy—I'd Do Anything for You
 Trio—Londonderry Air.....Old Irish melody
 Hazel Warner—If You Want the Rainbow
 Vocal (girls' trio)—Pagan Love Song
 John and Ned—
 He Men Chew Tobacco
 Somebody Cares
 They All Go Back to Matches By and By
 Dorothy Lewis—Ah! Tho the Silver Moon
 Were Mine" Lohr
 Herman Schnitzel—"Vat Iss Inside der
 Raddio?"
 Jones and Gillette—Flow Gently Deva....Parry
 Mixed quartet—Italian Street Song, from
 "Naughty Marietta"Herbert

10 to 11 p.m.—NBC—NBC Troubadours
 Troubadours and orchestra—Men of Sparta
 Troubadours Zamecknik
 Troubadours—Uncle Rome Homer
 Mary Groom, contralto—Thank God for a
 Garden Del Riego
 Frederick MacMurray, viola soloist—Hills
 Troubadours MacMurray
 Troubadours—Three Sea Chanties.....
 Bartholamew
 Orchestra—Pan Americana Herbert
 Troubadours and Mary Groom—Goodbye.....
 Tosti
 Orchestra—Hymn to the Sun.....
 Rimsky-Korsakoff
 Troubadours—
 Pale Moon Logan
 To a Wild Rose..... MacDowell
 Mary Groom, contralto—My Heart Is Weary
 from Nadeskda, by Goring Thomas
 Orchestra—Mock MorrisGrainger
 Troubadours—I Hum and Strum
 Frederick MacMurray, viola soloist—
 In the Gloaming
 Orchestra—Dance of the Nymphs.....Hadley
 Troubadours—Blue Waters
 Orchestra and Troubadours—Selections,
 "The Desert Song"Romberg
 Cast: Mynard Jones and the NBC Trouba-
 dours; 16-piece orchestra, conducted by
 Charles Hart

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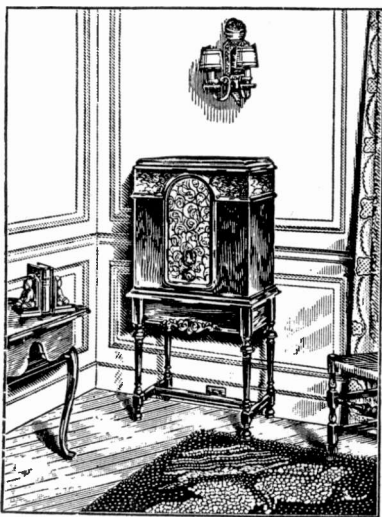
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OPEN EVERY DAY IN THE YEAR UNTIL 10 P. M.

New Radiolas Exhibited at the Show

"Two of the new Radiolas to be seen at the Radio Show are the 44 and 46 models, which employ the new a.c. screen grid tubes and a new power amplifier in a specially designed circuit," stated L. W. Yule, district manager of the Radio-Victor Corporation of America.

"Following closely the introduction of the a.c. screen grid four-element Radiotron, after years of painstaking laboratory development by the Radio-Victor Corporation of America, two simplified Radiolas of exceptional efficiency especially designed to bring



out the full capabilities of this remarkable Radiotron, have been brought out," Yule continued. One of these sets, Radiola 44, is a table model, and the other, Radiola 46, is a console with a built-in electro-dynamic loudspeaker. Both receivers are encased in cabinets of two-toned walnut veneer.

"Radiola 44 utilizes three UY-224 screen grid tubes, two of which serve as radio frequency amplifiers, and the third as a power detector. The new UX-245 power amplifier tube is used in the single stage of audio amplification. The receiver has three tuned radio frequency circuits, but because of the

impedance characteristics of the screen grid tubes, has as much selectivity as a set having four tuned circuits and using the standard three-element tubes. The two UY-224 radio frequency amplifiers, too, give as much amplification as four of the ordinary three-element tubes.

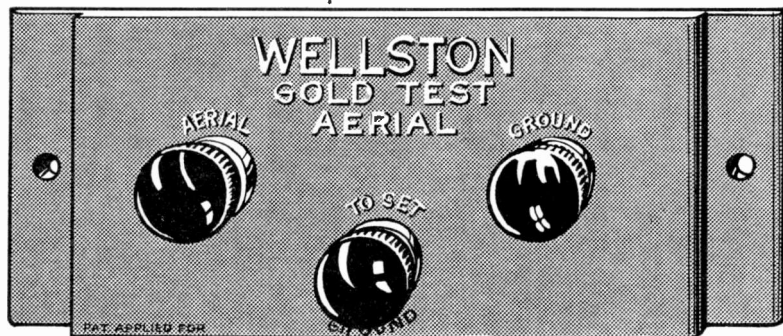
"The screen-grid power detector tube gives such a strong signal that it makes possible the elimination of one stage of audio frequency amplification, thus reducing to a minimum the possibility of distortion, which is sometimes present where successive stages of audio amplification are used. The output energy from the plate of this power detector tube is transferred by means of a choke and filter system to the UX-245 power amplifier tube instead of through a transformer. The elimination of the transformer and the use of the impedance coupling circuit between the power detector and the audio amplifier results in an exceedingly high quality of musical reproduction and brings out particularly well the full, rich tones of the bass register. As an additional precaution to insure undistorted reproduction, the UY-224 power detector tube has a radio frequency filter which prevents any radio frequency disturbance from entering the audio amplifier.

"The UX-245 power Radiotron used as an audio amplifier is capable of delivering a power output equal to that of the UX-210 Radiotron, but operates with a lower plate impedance which results in a greatly improved quality of tone reproduction. As used in Radiola 44, the UX-245 Radiotron will give undistorted volume in excess of the requirements of the average home."

"Radiola 46 is enclosed in an attractive walnut veneer console cabinet having burl maple overlays. Instead of the conventional loudspeaker grille and operating control board, this receiver has an embroidered silk panel which conceals the loudspeaker opening and is so skillfully designed that the single tuning-volume control and escutcheon plate appear to form a part of the embroidered pattern.

"The same radio circuit and Radiotrons as used in Radiola 44 are incorporated in Radiola 46, together with a built-in electro-dynamic loudspeaker of the Model 106 type."

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And has a tendency to minimize static as it is a filtered aerial. There is no other aerial like it as it also contains GOLD PLATED wire with a capacity of 54 feet, which all leading manufacturers recommend as correct for their sets.

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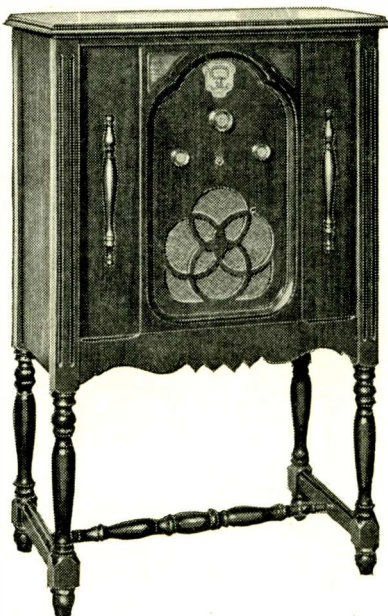
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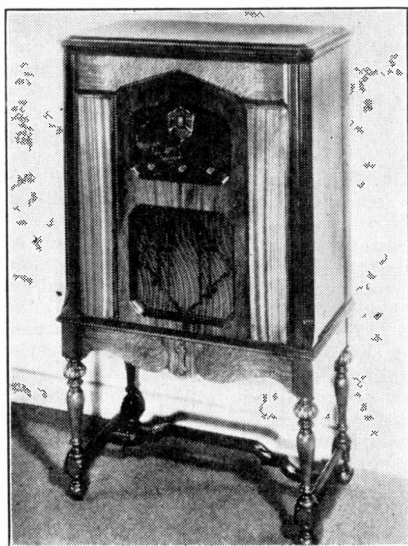
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SPARTON'S INCORPORATE NEW FEATURES

(Continued from Page 42)

degree before snapping out again with equal sharpness, and everywhere within that range reception is perfect for that station. The band pass filter constitutes the major portion of the pre-selector, which filters out interference, unwanted noise, and other extraneous sounds. And all this is done before the signals reach the tubes, so that not even the tiniest discord or foreign note can be amplified with the program. The detector and amplifier station are built as a separate unit, with nothing to do but build up pure, clean signals free from interference. And these are but two of many exclusive Sparton features which result in the preservation of that perfect tone purity which spells musical perfection."

PROBLEM IN CANNED MUSIC

The recording of sounds on disk records is largely a matter of radio technique, according to J. E. Smith, President of the National Radio Institute of Washington, D. C.

"There are eleven distinct steps between the original sound and the reproduced sound, in the electrical recording process," states Mr. Smith. These steps are (1) the studio itself, in which the recording is done; (2) the microphone; (3) the amplifier; (4) the electro-mechanical recorder or electrical engraving device which registers the sounds on (5) the "wax" record; (6) the copying or reproducing apparatus which provides the mould for (7) the hard record or "pressing;" and, now, passing to the recording end (8) the electric pick-up; (9) the amplifier; (10) the loud-speaker; and (11) the room in which the reproduction takes place.

"Each one of these eleven distinct steps is an important link in the process. Any one link can make or upset the process. It is interesting to note that here we are dealing with familiar radio practice, such as the microphone, the amplifier, the loud-speaker, and the all-important matter of room acoustics whether it be in the studio or in the home.

"Remarkable progress has been made in electrical recording and reproduction. Indeed, the revived phonograph industry has given employment to many radio trained men. It seems like the irony of fate that radio, once considered the arch enemy of the phonograph industry, should have given a helping hand to that industry in its decadent period. With radio technique bringing about

an entirely new conception of sound recording and reproduction, the phonograph industry is bigger and better today than ever before. And, what is more, it has formed a lasting partnership with radio, commercially as well as technically."

That necessity is the mother of invention is demonstrated almost daily at the Temple Corporation's main plant in the Clearing Industrial District, Chicago.

Faced with the necessity of speeding up production of radio receivers, Temple's Engineering Department has developed, among other things, a multiple automatic coil winding machine that, though of simple design, is a marvel of efficiency. Coils previously were wound one at a time on a hand winding device.

With the machine developed at the Temple plant twenty coils are wound with perfect uniformity at one time.

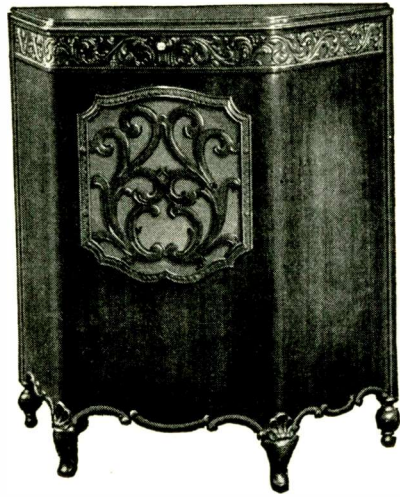
At present twenty such machines are in daily use. Each winds 140 coils a day. This is considered a gigantic accomplishment due to the huge amount of wire wound on each coil.

Approximately 24,000 feet of wire is wound on audio coils and 15,000 feet on speaker coils.

Twenty spools of wire are placed in each machine, the wire being guided through specially designed brake mechanism where equal tension is maintained at all times.

Another late development in the Temple plant is the progressive method of assembling. A radio chassis, for instance, starts at nothing, going from operator to operator, each having one well-timed task to perform, and coming out at the end of the line a completely finished and tested product. By this method about 650 jobs can be completed and inspected on each line in one day.

A new development is being tried by the 245 power tube, designed to be used in a radio set immediately after the detector and to then pass its signals to an output circuit and speaker. In other words, in place of one or two or more amplifier tubes, the modern plan is to use one big power tube, let that carry the amplification, and deliver it to the speaker. In this way, it is said less distortion is effected and better musical effects obtained. This tube is to be shortly followed, it is understood, by a tube of still higher power designed especially for this particular purpose. Manufacturers see the possibility of a shield-grid tube used as a pick-up, a detector and one big power tube for an amplifier, making a three-tube set in all, amply sufficient for all radio needs of the next year.



Jensen

ELECTRO-DYNAMIC
SPEAKER

TWO short years ago, Peter L. Jensen generally introduced the Jensen Dynamic Speaker to the public. Dating back to 1913 in experimental research, the Dynamic type speaker immediately revolutionized the radio industry. People were amazed at the tremendous improvement in radio reception.

Broadcast programs began to attract the world's greatest stars. Radio came into its own. Now—the Jensen Electro-Dynamic Speaker is nationally known. Thousands of owners testify to its steady, accurate performance. Constant research and improvements have kept it abreast of the entire field.

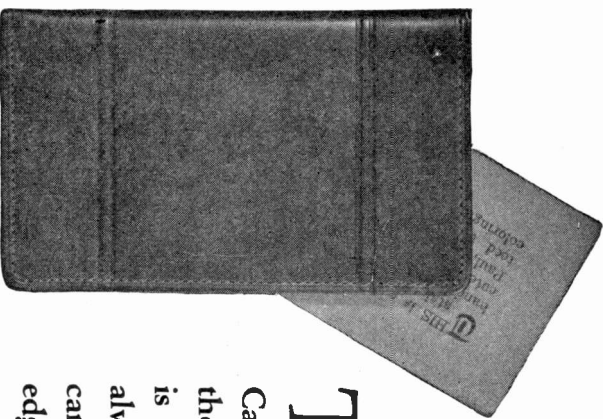
SEE THE 1930 MODELS OF
THIS FAMOUS SPEAKER AT

BOOTH 73
RADIO SHOW

IT'S ... BEAUTIFUL
... PRACTICAL
..... NEW

A Genuine

LEATHER CARD CASE
FOR BUSINESS AND CALLING CARDS



FREE
with a one year subscription
to BROADCAST WEEKLY

THIS new style Card Case is open at the top and on one side. Cards are removed without taking the case out of the pocket as there is no button flap to open. You can always tell when your supply of cards is running low because the top edges are visible even in the pocket.

You can extend your present subscription and get this Card Case free

Made of Hand Stained Mission Leather, Moire lined. Open at top and on the right side. Designed for vest pocket or hand-bag. Will wear for years. Would cost about \$2 if bought.

BROADCAST WEEKLY,
726 Pacific Bldg., San Francisco, Calif.

Gentlemen: Here's my Three Dollars for which you may send me BROADCAST WEEKLY for one year and the Leather Card Case.

Name _____
Address _____
City _____ State _____
New _____ Extension _____

MAIL ME NOW

Stewart-Warner Radio

\$170.50
Less Tubes

Table, cabinet and console models from \$92.25 to \$170.50.

Table model dynamic speaker, \$27.50.

"The Voice of Authority in Radio"

Before You Buy—
Hear This
CHAMPION GO-GETTER
"The Set with the Punch"

GET the thrill of listening to a winner—the undisputed radio Champion—"The Set with the Punch"—the new Stewart-Warner Radio!

Here's the set that is setting the pace—in go-getting ability—in selectivity—in tone realism—in power—in beauty of cabinets. Far distant stations come booming in as you never before thought possible!

Modern, even to plug-in for television. Thoroughbred, even to 22-carat gold plated connections throughout.

Its unmatched performance is made possible by the famous new Stewart-Warner balanced bridge circuit and Stewart-Warner Electro-Dynamic Reproducer.

Exclusive Distributors

STEWART-WARNER SALES CO.
1450 VAN NESS AVENUE
SAN FRANCISCO

Stewart- Warner

Radio

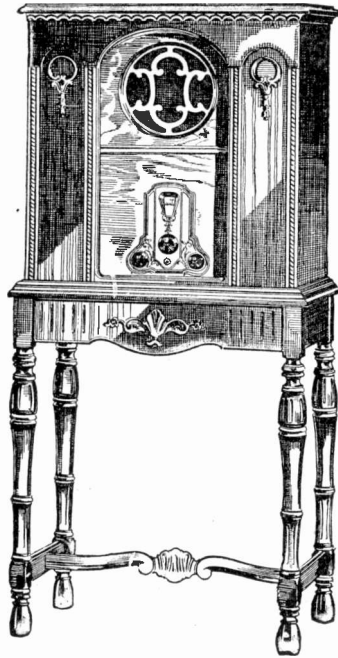
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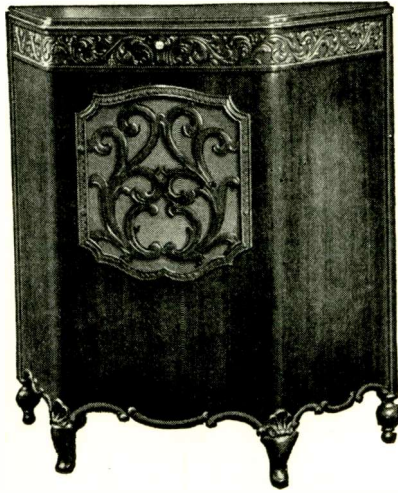
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1450 VAN NESS AVENUE

SAN FRANCISCO



Jensen

ELECTRO-DYNAMIC
SPEAKER

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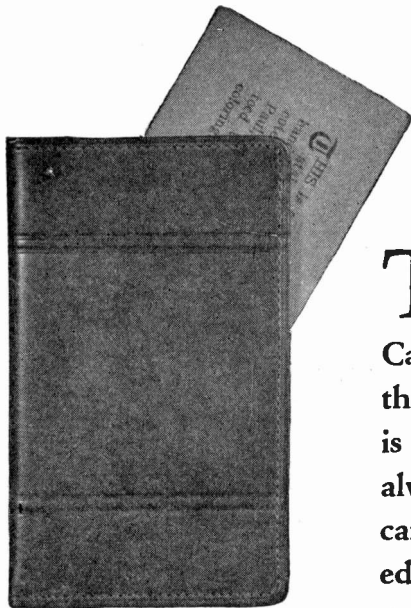
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Name

Address

City..... State.....

New..... Extension.....

BROADCAST WEEKLY

(FORMERLY RADIOCAST WEEKLY - ESTABLISHED 1922 AS BROADCAST PROGRAM)

A. J. URBAIN, *Publisher*

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Vol. 7

San Francisco

AUGUST 17, 1929

Los Angeles

No. 47

THE EDITOR'S PAGE

Radio listeners throughout the world will hear the Sixth Pacific Radio Show.

The opening of W6XN, the new short-wave, intercontinental station of KGO, it was announced yesterday, will be dedicated with a special program at the Radio Show on Tuesday night, August 20, at the Civic Auditorium.

Plans were revealed by the General Electric Company for presenting the opening program over the new station simultaneously to the audience at the Radio Show and to radio listeners in the far corners of the earth.

Consuls General at San Francisco and leaders in civic and educational circles will be invited to participate in the inauguration of the world-wide communications link at the Radio Show.

The dedication of W6XN is expected to prove one of the most important of the continuous series of events to be staged throughout the duration of the Radio Show, August 17 to 24.

Nine countries already have been touched by W6XN in a series of experimental tests on a 5000-watt laboratory transmitter, one-eighth of the power which the station will use.

With the installation of W6XN, the General Electric Company gives the Pacific Coast its most important short-wave station. It has an assigned wave length of 23.35 meters, and a power of 40,000 watts, and is to be operated under the direction of J. A. Cranston, resident vice-president of the General Electric Company at San Francisco.

The W6XN short-wave transmitter is similar to other observation stations at Schenectady. Its transmitter is housed in a

metal building approximately 24 by 70 feet. It is crystal controlled, the crystal being enclosed in a small box and maintained at constant temperature. Four stages of amplification are used preceding the power stage. A water-cooled vacuum tube is used for the fourth stage. This drives two water-cooled vacuum tubes in the output stage which feed into the antenna by means of a transmission line. The antenna is a directive type consisting of a number of sections. It is supported by two wooden poles approximately 80 feet high and spaced 150 feet apart.

Although the preliminary tests of W6XN were made on a transmitter one-eighth the power of the new one and the fact that broadcasts were unheralded, the station has been heard with remarkable clarity in Mexico, Chile, Venezuela, Little America, South Africa, the Hawaiian Islands, New Zealand, Australia, and scores of points north and east of Oakland.

With the arrival of the new powerful 40 kilowatt transmitter a regular series of transmissions will supplant these preliminary tests. Every Tuesday, Wednesday and Friday, from 10 a. m. to 12:30 p. m., W6XN will broadcast KGO programs exactly as they are sent out over the station.

Every hour of the Radio Show will be marked by entertainment programs presented by the leading stations and nationwide networks, including KGO, KPO, KYA, KFWI, KFRC, KTAB, KJBS, National Broadcasting Company and American Broadcasting Company. The programs will be presented in full view of the audience, with colorful stage effects and costumes.

TALENTED ARTISTS [300]



FEST
of melody

by
broad
inclu
two national
▲▲

Latest in Radio
twelve sound-proof rooms
for demonstration ▲▲▲▲▲

GET Half Price TICKETS

August 17th to 24th

CIVIC AUDITORIUM

IN SPECTACULAR REVUE

IVAL

and fun

eight

casters

ding

networks



**come
see
hear**

your favorite stars

FROM YOUR DEALER

afternoon and evening

SAN FRANCISCO

MYSTERIES OF RADIO

By E. M. SARGENT

SOMETIMES, as we read about the struggles of the Federal Radio Commission to assign about 600 broadcasters to wave channels in the broadcast band, we are apt to think that the broadcast waveband from 200 to 550 meters contains most of the wavelengths available for radio use. It is perhaps reassuring to know that the 96 wave channels assigned to broadcast use are but a drop in the bucket—that at the present time there are 6000 wave channels of 10 kilocycles each between wavelengths of 5 meters and 20,000 meters, all available for radio use, and all having special properties that make them peculiarly adapted to certain types of radio usefulness. The extension of radio into the band below five meters is only a matter of a short time, and this may raise the number of available channels to 30,000 or more.

As we go from top to bottom, from 20,000 meters down to 5 meters our radio waves go through some very interesting changes in characteristics. The very long waves are noted for their steadiness. There is less difference between day and night transmission, tremendous power can be used and barring heavy static interference which is at its worst on the high waves, 24-hour communication over distances of 2000 to 5000 miles can be maintained. Ten years ago it was thought that the long waves were to be the ultimate means of trans-oceanic communication. Millions of dollars were spent by our government, by the Federal Telegraph Company and by foreign governments to put in long wave stations ranging from 100 to 1000 kilowatts at Manila, New Brunswick, Carnarvon (Wales), Lyons (France), and many other places, with a view to maintaining continuous commercial traffic service. At this time nothing was known about short wave communication. The vacuum tube had not been put to use as a transmitter, except experimentally, and it was believed that no wavelengths below 200 meters were of any value whatsoever. Even 200 meters was not valued as a useful wavelength and consequently was turned over to the amateurs.

About 1922 things began to happen. The development of the vacuum tube and of transmitting circuits had progressed, and the wave lengths below 200 meters were thrown open to amateur and experimental use. Imagine the surprise of the companies operating the long wave stations when, a few months later, they learned that amateurs operating on 40 meters with about \$150 worth of equipment could work across the ocean easier and more

reliably than they could with their million dollar stations! Needless to say there was a rush of commercial stations to the short waves, the amateur's boundaries were quickly defined (and have since been greatly narrowed) to make room for more commercials. At the present time 95 per cent of commercial and government business by radio is handled on the short waves and it is only a question of time until the long waves will be given up entirely and equipment junked.

The usefulness of short waves is not by any means restricted to radio telegraph. Wonderful long distance reception of radio broadcast programs has been accomplished—things utterly out of the question on the regular broadcast band. A good short wave receiver on the West Coast has no difficulty in playing WGY, Schenectady, N. Y., on the loud speaker, day or night, and in hundreds of instances chimes from Big Ben in London, broadcast at midnight London time have been received clearly on the Pacific Coast at 4 o'clock in the afternoon!

Short wave reception, however, is not without its difficulties. Receiving sets that are easily tuned have not yet been developed. Furthermore, there is a very rapid fading characteristic that makes the station fade in and out two or three times a second, which on many a night spoils the programs except for experimental use. Until these difficulties are overcome there will be no great rush to the short waves for entertainment and broadcast purposes.

The only fundamental difference between radio waves and heat and light is in the wavelength. Radio waves are the longest, heat the next, and light the shortest. As we get down toward the low end of the wave scale in the radio band we begin to note the reappearance of some of the characteristics of light waves. They can be reflected easier, they can be confined to a beam and sent in any desired direction, and obstacles that would never affect a long wave will cut them off completely. The appearance of these characteristics brings with it more troubles for the radio engineer. Skip-stop transmission effects occur. Waves from powerful stations apparently skip right over nearby receivers, yet come in with loud speaker volume on sets 2000 miles away. Why? It's not definitely known. The effect varies with the wavelength, and with the time of day. Several of our best minds have suggested ex-

(Continued on page 74)



TOPICS OF THE TRADE



The United Radio Supply Company, distributors of the Fada receivers, held a dinner meeting at the Clift Hotel, Monday evening, August 5. Fifty-nine dealers were in attendance. The complete line of Fada receivers were on display. H. A. Brewer, representing the factory, gave a very interesting talk on the construction and features of the line. Entertainment also was on the program.

* * *

Al Nutenegger, of the Vallejo Sporting Goods Company, a radio dealer of Vallejo, was a visitor to San Francisco last week.

* * *

W. C. Harvey of the Gilbert Electric Company, a radio dealer of San Jose, spent several days in San Francisco recently.

* * *

M. C. Landers, a radio dealer of Napa, was recently in San Francisco on a business trip.

* * *

Bulletin No. 3, a questionnaire for the radio service men, has been distributed to the dealers of the Bay area by the Pacific Radio Trade Association.

* * *

Price reductions ranging from 16 to 24 per cent on dynamic speaker units were announced August 1 by the Magnavox Company. This is the second recent reduction made possible by improved mass production methods and increased volume.

New orders from manufacturers and jobbers have been particularly heavy since the Chicago trade show, and 1929 business shows every indication of exceeding last year's record-breaking business.

The new prices, it is said by the company, are the lowest ever offered on merchandise of comparable quality. The new Magnavox X-core unit carries a lifetime guarantee, which has won wide favor with manufacturers, dealers and the public. The new type Magnavox is also free from rattles and hums with a resulting marked improvement in fidelity.

* * *

N. E. Borch, president of the Society of Radio Pioneers, announces that there are only two dozen reservations still unsold for the annual midnight frolic of the pioneers, which will be staged at Blanco's cafe in San Francisco on August 22, while the radio show is in progress.

The Midnight Frolic will last until day-break. Dancing, entertainment by some of the city's best entertainers and a general

round of fun is on the program. Radio men and their wives, 400 in number, will attend the affair.

Tickets are \$5 each, which includes the price of a ticket for the banquet.

Send your reservations to N. E. Borch, 5441 California Street, San Francisco.

* * *

Conrad Strassner, president and general manager of A. C. Dayton Company, manufacturers of the well known A.C. Dayton radio, distributed by W. E. and W. H. Jackson Company of San Francisco, northern California distributors, stopped in San Francisco to visit his distributors enroute on a trip visiting the entire coast.

* * *

George H. Curtiss, Jr., Pacific Coast Representative for the DeForest Company, manufacturers of DeForest tubes, returned from a ve weeks' visit to Salt Lake City, Denver, Texas, and Los Angeles. He reports business good.

* * *

E. J. Watkins has purchased the business of W. P. Brush, 71 Front Street, manufacturers' agents for radio equipment.

* * *

A. J. Semoni, who is with the California Electrical Engineering Company, a radio dealer of Sacramento, was a visitor in San Francisco last week.

* * *

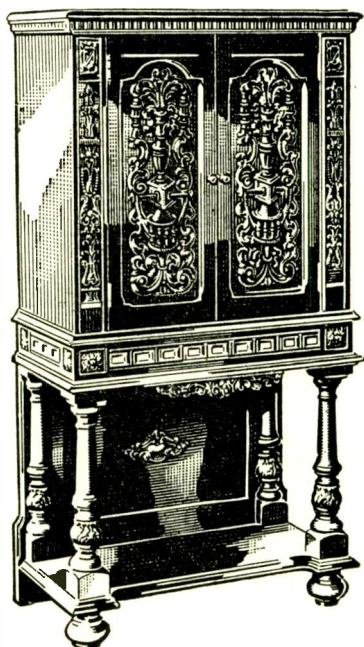
The San Francisco Radio Retailers' Association held their meeting on Thursday morning, July 25. There were 66 in attendance, which was considered very satisfactory for a vacation period. However, the attendance was probably due to the appearance of Arthur Halloran, editor of "Radio," who gave a speech on "Television." Mr. Halloran, who is in touch with the subject, advises that television by wire will come before it does over the air. He says at the present time television is in its experimental stage and is not satisfactory. When endeavoring to operate expensive experimental television receivers, the fan must operate the set for some time before he enjoys a picture for about half a second, and the picture itself is hardly recognizable. He says television will come some time, but it most likely will be years before it is perfected for commercial use. No one should wait to buy a radio expecting to soon purchase television receivers. It is entirely a separate unit and will be operated as such.

THE NEW SPARTON EQUASSONE

"Radio's
Richest
Voice"



The Premier of AC Radio
augmented with subtle exclusive
qualities that enrich reception
and bespeak refinement



New EQUASSONE Model 301—an exquisite Italian high-boy, super-powered, and mellow-toned as a rare old 'cello, built-in dynamic speaker, and all 1930 SPARTON excellences, complete with 10 tubes..... **\$294.50**

EXCEPT for its sheer beauty, you are scarcely aware of a radio set, as you yield to the spell of SPARTON. So perfect, so unobtrusive, so noiseless its functioning, you seem in the studio itself. A vivid, convincing *Realism* that makes reception a thrilling human contact—every word, every tone trobbing with the *face-to-face* feel of the artist's living personality. Indeed, an interesting experience awaits you at the nearest SPARTON Dealer.

H. R. CURTISS CO., *Distributors*

San Francisco: 895 O'Farrell St. Oakland: 311 Tenth St.



New EQUASSONE DeLuxe Model 110—"Radio's Richest Voice" in Radio's richest cabinet. All-Electric Radio ultra-refined and perfected, with appointments of deep carved walnut, complete with dynamic speaker and 12 tubes..... **\$415.00**



New EQUASSONE Model 931—a beautiful low-boy electric console, so eloquently SPARTON in richness and realism the price is indeed attractive, complete with 9 tubes and dynamic speaker at..... **\$189.50**

Hear "Radio's Richest Voice" at any of these Dealers

SAN FRANCISCO

Baldwin Piano Co., The, 310 Sutter
Bonham Music Co., 1621 Haight St.
N. E. Bosh & Co., 391 Bush
Betta-Tone Radio Co., 1050 Market St.
Bowman, Fred M. & Co., 428 Powell St.
Brooks Electric Co., 3447 22d St.
Burgess Radio Service, 1109 Taraval
Byington Radio & Elect. Co., 1809 Fillmore; 637 Irving St.; 1180 Market St.; 5410 Geary
Cataldyne Radio Co., 2184 Mission
Calif. Phonograph Co., 1009 Market St.
City of Paris Dry Goods Co.
I. S. Cohen & Sons, 1023 Market St.

Columbus Electric Co., 2121 Chestnut
Columbus Electric Co., 531 Columbus Ave.
Columbia Radio Shop, 624 Divisadero
De Luxe Radio Co., 1320 Irving
Dial Radio, 1234 Golden Gate Ave.
F. M. Finley Co., 3095 16th St.
Geneva Radio Shop, 5125 Mission
Golden Gate Electric Co., 1356 Polk St.
Graves Tire Co., 519 Golden Gate
Hale Bros., Inc., 5th and Market
Harry's Radio Shop, 2890 Mission
Kahn & Keville, 1600 Bush
Kohler & Chase, 111 O'Farrell
Lachman Bros., 16th and Mission

Lee, Don, 1000 Van Ness Ave.
Lee's Radio Shop, 3945 Balboa
Lemoine & Berry, 1185 Church
Mac's Marine Pharmacy, 415 Washington
Marina Radio Co., 2241 Chestnut
Geo. S. Merwin Co., 1946 Polk St.
Mission Auto Parts, 590 Valencia
Mission Radio Co., 3361 Mission
Mission Radio Exchange, 4685 Mission
New Castro Elect. Co., 420 Castro St.
O'Connor Moffatt Co.
Olympic Radio Co., 2063 Union
Olympic Radio Co., 494 O'Farrell
Olympic Radio Co., 737 Sutter

FACE-TO-FACE *Realism*

Enjoy a demonstration of FACE-TO-FACE *Realism* at these

San Francisco (Cont'd)

Pacific Appliance Co., 323 Sutter St. and 2704 Mission St.
 Pacific Motor Supply Co., 1440 Market St.
 Pacific Tire Sales Co., 982 Post
 Park Presidio Radio Elect., 441 Clement
 Geo. Peterson Furniture Co., 4947 3d St.
 M. J. Reynolds, 4581 Mission St.
 Ruggles & Killam, 3326 Sacramento
 Sterling Furniture Co., 1049 Market
 Union Music Co., 11 Mason St.
 Warner Bros., 428 Market
 West Portal Radio, 69 West Portola Ave.
 White House, Sutter and Grant

OAKLAND

Bacon J. C., 2424 Webster
 Betta-Tone Radio Co., 469 12th St.
 Brenner's, 15th and Clay
 H. C. Capwell Co., 14th and Clay
 Consolidated Elect. Co., 4105 Broadway
 Diamond Radio Service, 3432 Fruitvale
 Elect. Radio Co., 419 14th St.
 Fairfax Radio Service, 5331 Foothill Blvd.
 Fruitvale Elect. Co., 3257 E. 14th St.
 Glenview Radio Co., 4424 Park Blvd.
 Grand Ave. Elect. Co., 3304 Grand Ave.
 Olen S. Grove, 1734 Broadway
 Hauchchildt Music Co., 1618 San Pablo
 N. C. Hopkins, 1437 34th Ave.
 Kohler & Chase, 537 15th St.
 Manchester Radio, 5805 Foothill Blvd.
 Melrose Elect. Co., 4538 E. 14th St.
 Meyer Radio Co., 1904 Telegraph
 Monteiro Radio Shoppe, 9633 E. 14th
 Motor Car Elect. Co., 172 Grand Ave.
 Oakland Music Co., 1436 San Pablo
 Park Radio Supply, 1840 Park Blvd.
 Premier Radio Co., 1115 Broadway
 Radio Engineering Co., 3304 38th Ave.
 F. C. Saxe, 3325 Lakeshore Blvd.
 B. F. Schlesinger & Son, 1501 Broadway
 C. W. Stiver, 5236 E. 14th
 System Radio Shop, 2062 Broadway
 Thompson Radio Service, 5000 Telegraph
 Warner Bros., 2201 Telegraph
 Leo Wintertowers, 1416 Franklin
 J. Witken & Son, 1180 W. 7th St.

BERKELEY

Art Music Co., 2328 Telegraph Ave.
 J. F. Hink & Son, Shattuck and Kittridge
 H & H Elect. Co., 2905 College Ave.
 The Music Shoppe, Store No. 1, 2335
 Shattuck Ave.; No. 2, 2177 Shattuck Ave.
 Thousand Oaks Electric, 1865 Solano Ave.
 Tupper & Reed, 2271 Shattuck

ALAMEDA

Franck's Store No. 1, 1349 Park St.
 Franck's Store No. 2, 1515 Webster St.

ALBANY: H. A. Kohlmeyer
 ANTIPOCH: H. A. Electric Co.
 ARBUCKLE: A. F. Curtright
 ARCATA: Eveready Service Station
 AUBURN: Bell Electric
 BURLINGAME: Davis, V. O.
 Radio Victor Sales Co.
 Oscar J. Spencer
 BYRON: L. M. and M. W. Reynolds
 CHICO: Gregory & Grimes
 COLFAX: Coalinga Vulcanizing Works
 COLFANG: J. B. McCleary
 COLMA: Kusber Bros.
 COLUSA: Geo. K. Littlefield
 CONCORD: E. C. Graham
 CROCKETT: Crockett Electric Shoppe

SPARTON DEALERS

Cont'd from previous page

DAVIS: J. W. Morrow
 DELHI: Wilson Bros. Radio
 DOS PALOS: Dos Palos Drug Store
 DUNSMUIR: W. E. Allen
 EL CERRITO: Earl Corey
 ESCALON: Jess A. Seaman, Box 275
 ESPARTO: James Small
 EUREKA: Standard Furniture Co.
 FERNDALE: V. A. Clark, Box 275
 FOLSOM: A. C. Fleckenstein
 FT. BRAGG: Stevenson Motor Co.
 FORTUNA: Smith & McNeil
 FOWLER: Sterns Service Station
 FRANKLIN: H. J. Luttig
 FRESNO: Fresno Sparton Radio Shoppe
 GRASS VALLEY: Foote Electric & Specialty Co.
 GREENVILLE: G. R. Standart
 GRIDLEY: N. V. De Ruehie
 HAYWARD: Hayward Battery Co.
 HEALDSBURG: Wallace & Jones
 HOLLISTER: Barksdate Hardware Store
 HOPLAND: Central Garage
 IRVINGTON: Jos. Blaeson's Radio Shop
 KELSEYVILLE: Paulson, Julius
 KEYES: Keyes Garage
 KING CITY: Pontious Electric Shop
 LAKEPORT: Jos. N. Knight
 LARKSPUR: Community Radio Shop
 LEMOORE: Lowe's Electric Shop
 LINDSAY: Redmond Bros.
 LIVE OAK: K. E. Covington
 LINCOLN: McCarray & Neville
 LIVERMORE: Economy Electric Co.
 LODI: W. J. Erich
 LOLETA: John P. Meng
 LONITA PARK: E. M. Mitchell
 LOS BANOS: Los Banos Drug Co.
 LOS MOLINOS: Chas. F. Hunt
 MADERA: Madera News & Radio Co.
 MARTEGA: Beauregard Radio Store
 MARTINEZ: A. G. Minzer
 MARTINEZ: H. C. Salmon
 MARYSVILLE: Lewis, A. L.
 MAYFIELD: Callahan Elect. Shop
 MENLO PARK: Safety Electric Works
 MERCED: R. Baneroff & Sons Co., Inc.
 Merced Hardware Co.
 MILLBRAE: Rock & Rock
 MILL VALLEY: Sparrow Bros.
 MODESTO: Walter Johnson
 MONTEREY: Nutters Garage
 MOUNTAIN VIEW: Pritchett Elect. Co.
 MT. SHASTA CITY: Geo. F. Windsor
 McARTHUR: Bert W. Thatcher
 NAPA: Edgar Case
 NEWMAN: Jones Studio
 NILES: Vieux Bros.
 OROVILLE: Chas. H. Tremayne
 PALO ALTO: Palo Alto Hardware Co.
 PATTERSON: Glen Hendy
 PETALUMA: Earnshaw & Earnshaw
 PINOLE: Harry R. Stats
 PITTSBURG: Davi Furniture Co.
 PIXLEY: Pixley Radio Shop
 PLACERVILLE: Dillinger's
 PLEASANTON: Hanson Bros.
 PLYMOUTH: Wheeler Bros.

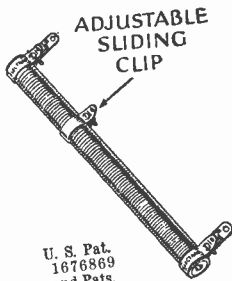
PORTERVILLE: Lewis Radio Shop
 QUINCY: E. J. Van Kirk
 REDWOOD CITY: Mission Radio Exchange
 RICHMOND: Richards Music Store
 RODEO: Charles Peabody
 RED BLUFF: Thackery Electric
 REDDING: Valentin's Gift Shop
 RIO VISTA: J. Stern Co., Inc.
 ROSEVILLE: Roseville Radio Shop
 SACRAMENTO:
 John F. Zak's Radio Stores, 928 J St.
 Capital Radio Co., 2918 35th St.
 Fuhrer & Mortimore, 1014 31st St.
 Schroeder's Radio Shop, 2545 Sacramento Blvd.
 Proshak's Radio Shop, 2626 Del Paso Blvd.
 Hale Bros.
 SALINAS: Brechini's Radio Shop
 SAN ANSELMO: Rolph Winters
 SAN BRUNO: Cabin Garage
 SAN GREGORIO: Peterson & Aisford
 SAN BAUTISTA: Lavagnino & Ahern
 SAN JOSE: Century Electric Co.
 L. Hart & Son, Inc.
 Lehmann Bros.
 Quality Radio Shop
 Oliver Furniture Co.
 Whitman's Radio
 SAN LEANDRO: Ballards Radio Shop
 SAN MATEO: V. O. Davis
 SAN RAFAEL: Parkin Mfg. Co.
 SANTA CLARA: University Electric Co.
 SANTA CRUZ: Fred P. Huff
 SANTA ROSA: Marlowe's Music House
 SAUSALITO: Sausalito Hardware and Plumbing Co.
 SCOTIA: Pacific Lumber Co.
 SELMA: Selma Drug Co.
 SO. SAN FRANCISCO: Progress Elect. & Radio Co.
 SAMOA: A. R. Tooker
 SONORA: Central Drug Store
 STOCKTON: Bright Spot Electric Co.
 W. J. Horan
 Matlett Music Co.
 STRATHMORE: Lewis Radio Shop
 SUSUN: W. A. Woods
 SUNNYVALE: H. G. Wanderer
 SUNNYVALE: Electric Supply Co.
 SUTTER: F. W. Dewitt
 TRACY: Aremans Radio Shoppe
 TUDOR: Tudor Mercantile Co.
 TULARE: Grandfield Tire Hospital
 TURLOCK: Anderson Bros.
 UKIAH: Ukiah Auto Supply Co.
 VACAVILLE: McHallen & Purcell
 VALLEJO: L. N. Messenger
 VICTOR: J. F. Schlotthauer
 VISALIA: Gentry's Sporting Goods
 WALNUT CREEK: C. W. Brown
 Murray's Battery Shop
 WATSONVILLE: Radio Studio
 WHEATLAND: C. N. Dalbey
 WESTWOOD: Red River Lumber Co.
 WILLOWS: J. G. Tenney
 WOODLAND: Conger's Electric Shop
 YREKA: Dayley, Marlon

NEVADA
 CARSON CITY—Heider's Garage
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MYSTERIES OF RADIO

(Continued from Page 70)

planations, some of which may be right, but until more light is thrown on the subject it remains a mystery.

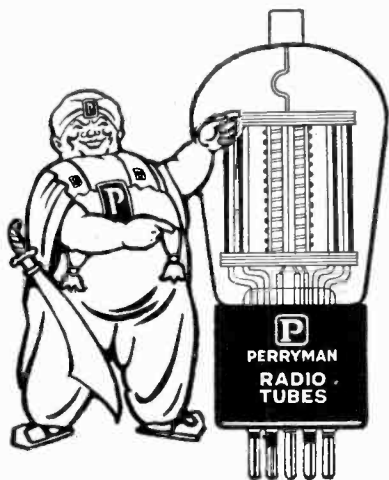
Reflection of short waves is so common that they are almost valueless as direction finders. A wave from an Eastern transmitter may reach a Western receiving set from the north, east, south, or west. A nearby water tank, 'phone wire, tree, iron deposit, stucco house, almost anything will deflect it. Usually it can be received from many different directions at the same time, due to the ease with which it is reflected.

Last, but not least, while we are on the short waves we should mention radio echoes. Transmission on short waves is so good that our planet is not large enough for it to die out completely before it gets all the way around. Waves have been known to go around the earth three times and still be strong enough to be heard in the average short wave set. One trip around consumes one-seventh of a second, so that by the time the third trip is completed half a second has been used up. Consequently, these echoes are very bothersome in high speed transmission, and their elimination is another problem to be solved.

As we now go up towards the broadcast band, we find conditions becoming more stable and reliable. Daytime distance reception becomes poorer. The same is true of night time reception on a lesser scale, but the improvement in local reception more than compensates for this and makes the band from 200 to 550 meters most suitable for broadcast work.

Above the broadcast band are the ships which use waves from 600 to 1000 meters. This wave band is very similar to the broadcast band. 1000 meters is the wavelength that has been selected for radio beacon work. At this wavelength the freaks of reflection have disappeared and the wave seems to travel pretty much in a straight line from transmitter to receiver. How many radio listeners know that our coasts are lined with these radio beacons, sending out their signals day and night, and forming a veritable chain of radio lighthouses from Puget Sound to San Diego, and from Point Isabel to Key West, to upper Maine? In storms, fogs, or at any time a steamer captain has only to tune in on two of these beacons, mark on his map the direction in which the radio compass loop pointed to receive them, extend the lines until they cross, and he knows where he is. Just one more of the wonders of radio.

P



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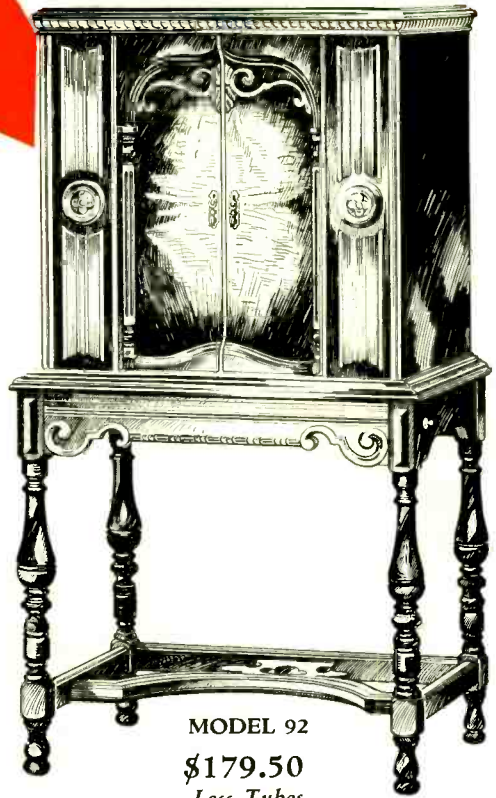
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KIDNAPED BY AIR

By JULIAN RASHMAN

THE westbound express of the Callux Airlines left Chicago at 8:00 o'clock. Just before the guard closed the grilled gate to the runway two men and a girl hurried from a taxi and ran toward the passenger entrance. The girl seemed ill, and the older of the two, who appeared to be her father, was half supporting her. The younger man called to the guard.

"Just a minute," he said. "We have a reservation on the Westbound plane . . ."

The guard referred to his ticket. It showed that Henry Morris, Miss Virginia Morris and Lawrence Morris were scheduled for reservations. He nodded and checked the three names off his list as the younger man handed over the reservation slip. The gate clanged shut and the passengers hurried down the runway. A moment later the engines of No. 4 reverberated in the runway and No. 4 was gone—a pair of red lights twinkling away into the dark.

"That dame is foolish to go up if she's sick," the guard remarked to one of the office men, who was standing nearby. "An express plane's no place to be sick in."

The office man shrugged and walked away. It was none of his affair. Later, however, he recalled the remark and it became very much his affair.

No. 4 climbed to 3000 feet, its usual cruising speed. One of the pilots snapped in his radio transmitter and reported to the airport.

"Number four on course at eight four and a half; all okay," he said into his microphone.

"Check," said the field operator, and jotted down the report on his log.

The night was cold and a bit cloudy. A storm day to the northward, but No. 4 figured on being out of the Michigan area before the gusts began to come. The pilot in charge opened the powerful engines and the plane settled down to the swinging forward drive that ate up the miles. Far below lights gleamed for an instant and disappeared in the night. Miles away a beacon swept the sky with its white finger and toward the east; the rim of the moon shone palely through a rift in the clouds.

The three passengers who had come aboard were in the rear compartment stateroom. The older man closed the door with a kick of his foot. The girl lay slumped on the wall bed, her eyes closed, breathing heavily. The young man stood looking down at her. After a bit he spoke.

"You didn't give her too much, Dan?"

The older man grinned and lighted a cigarette.

"Boy," he said, "I got needle work down to the point where I can tell just how long they'll be out to the minute. I've laid her away until about noon tomorrow. She'll stir and moan now and then, but she'll not come to. Don't worry."

The younger man whipped out a flask and took a long drink. Then he passed the bottle to the other man he called Dan. The older man shook his head.

"Not 'till this is over," he said. "I want to keep my head clear."

"I'm shaking all over." The young man glanced nervously. "I know—we're safe enough up here—a mile in the air—but just the same . . ."

He sucked at his cigarette morosely. The only sound in the room was the muffled roar of the engines up ahead and the whine of the little ventilating fan over their heads. Dan walked over and laid a hand on the younger man's shoulder.

"Listen," he said. "Just think of the hundred grand we're going to get out of this and it will cheer you up. It does me."

The younger man shook his head.

"There's that cursed McCabe that sticks in my craw," he growled. "I'm not sure he didn't recognize me."

"What if he did?" said Dan. "He won't find you. We'll be in 'Frisco before the girl is missed. If Bibsy handles his part right, the letter ought to reach the old man about the time she comes out of her trance tomorrow. Savvey?" He laughed harshly. "Say—I'd like to be in the General Trust Company's office when that letter is handed in to Cyrus G. Mastick. Ha! When he finds out that all his private detectives, his fancy alarm systems, his shotgun guards, and his walled estate haven't availed him anything, and that Betty has been kidnapped. And not a clue, Eddie—not a clue!"

The younger man shivered nervously.

"What made McCabe give me the once over then when I got into that taxi? Tell me that and I'll breathe easy. He never saw me in his life before."

The older man frowned.

"Ever hear of that little thing called instinct?" he asked.

"Well, what of it?"

"McCabe is a cop—a flatfoot. He goes around watching for lawbreakers—for crooks—for people of our kind. He gets to be

good at it. Why? Like an animal that is always stalking something, he comes to a focus. He may be dumb at everything else, but give him a man to catch, and he's there. He gets so he can tell when a man is afraid that the police will find him out. He reads it in his face, in his walk, in the way the man watches the people about him. McCabe probably sized you up for what you were. He didn't have anything on you—on us. But he watched you. Tomorrow he'll forget he saw you."

"Yeah—that's what they all say." The young man almost snarled the remark. "I was a damned fool to get into this. Big money knocks a man off his level. This isn't my line and I should have known it. Tomorrow when the hue and cry starts McCabe will remember he saw Eddie Gorman hop into a taxi. He'll go through the pictures in the gallery at headquarters. He'll find my record . . ."

"Yes—and you think he'll tie up a paper hanger (forger) with the kidnapping of Cyrus Mastick's daughter? Be yourself. That's why I picked you. The flatfeet are mostly dumb. They'll check up on kidnapers. They'll have Louis Fantoni in the can by noon and give him the works. And Mose Auer and Les Tarki. I know what I'm talking about. That's why I took you in. You're the last one they'll suspect."

The older man spoke with conviction. He partially convinced Ed, but not entirely. The younger man was highly nervous. He threw away his cigarette and lighted a fresh one. The older man studied him keenly and then walked over and turned back the girl's eyelids, one by one. She did not stir—just continued to breathe heavily. She was a pretty girl—a daughter of aristocrats, golden haired, blue-eyed, pink-cheeked—the kind of a daughter a man of Mastick's type would spend a fortune to recover. Dan nodded with satisfaction. Things were working out beautifully.

He pulled out a deck of cards, let down a small table from the side of the stateroom, and motioned to the younger man.

"Here," he said. "Get your mind off this thing. Come . . ."

They began to play cards.

It was the News that first discovered that Miss Betty Mastick had been kidnapped. Lipman, the police reporter, had a friend in the detective bureau—a young "dick" named McConnell. They usually ate lunch together. McConnell told Lipman that old man Mastick and the head of the Consolidated Special Service Bureau, that handled all of Mastick's investigations, had been closeted with his chief.

"Mastick took a picture of a girl out of his pocket and showed it to the chief," he said. "I was passing through the hall and even at that distance I recognized it. It was Betty Mastick."

Lipman whistled, and leaving his lunch untasted, locked himself in the telephone booth. The News put its society reporter to work. She put a close friend on the trail. Out in Westchester, Miss Mollie McGregor rang the Mastick home and got Mrs. Mastick on the telephone. Three minutes later the News had every man on its staff at work, and the process of building a kidnap extra was under way.

By 2 o'clock that afternoon every newspaper and police agency in Chicago was hunting for Betty Mastick. She had left her home at 11 o'clock the morning before to visit Candace Hudson, niece of Senator James Hudson. Miss Hudson's maid had telephoned and Miss Mastick had left at once. Later, the maid telephoned to the Mastick butler to say that Miss Mastick was remaining all night. The family had thought nothing of it.

But investigation the next day revealed that Miss Hudson was not ill and had sent no such message. Her maid denied having telephoned to Miss Mastick's home. Then the Mastick car was found alongside the Clearwater highway, about three miles from the Clearwater Country Club. In the rear, gagged and bound, they found the chauffeur, Pat Ryan. Ryan gave detectives the first clue.

"I thought it was a holdup," he said. "The car was alongside the road and two men were working on it. They halted us because they blocked the road. I honked my horn and the men stood up and covered me with shotguns. . . . They were both masked. I would have stepped on the gas, but I was afraid they would fire into the back of the car and hit Miss Betty, so I stopped. They tied me up and carried her off. One of the men held her while the other jabbed a needle in her arm. . . . I saw that before they rolled my car into the bushes. . . ."

The police held Pat. There was a question that he might have been involved in it, and went to work. They combed railroad stations and lodging houses. They walked up and down weary miles of stairways, browbeating landladies, examining registers, checking on guests. Suspicious characters were rounded up and given the third degree. Mastick was a big man, politically and financially. . . . Nothing was left unturned.

Corwick of the Tribune and McCabe, the central office detective, hit the right trail at the same time. McCabe recalled the man who jumped into the taxi at Broad and Cen-

tral. He referred to his little notebook and after an hour's hunt he located the driver. Yes, the driver remembered his fare. . . . They had driven to an apartment at Lyman Court, where an elderly man and girl who seemed ill had gotten in.

McCabe took the driver to headquarters and they went through a lot of pictures. Finally the driver picked out Eddie Gorman, alias Eddie Whiteman.

"That might be him. I ain't sure," he said. It was the man all right. Now for the big test. He took the driver into the chief's office and laid down a number of photographs of girls. The driver looked them over and picked up one of a sparkling, laughing blonde.

"If this jane looked kinda sick and had her eyes shut, she might be the one," he said.

It was a picture of Betty Mastick!

McCabe raced to the Callux airport. He walked in the office of Lancey, the manager. Gorwick of the Tribune was taking notes. He looked up and grinned.

"Well, I wasn't far ahead of you at that!" he grinned. McCabe swore. Gorwick went on. "She went out on No. 4. Lancey is trying to get them now."

Lancey motioned to the two men and they went into radio room, where the drone of land-line transmitters and the chatter of the air routes mingled in a steady snarl of sound. Lancey motioned for silence. One of the operators had tapped No. 4, 1800 miles to the westward. . . . he was working him now. He shoved a telegraph blank over to Lancey. . . .

They bent over the message. It was from the pilot of No. 4:

KYS DE KYQ CK FG-JK
ANSWER DESCRIPTION PER-
FECTLY. TICKETED TO 'FRISCO.
WE ARE DUE RENO THREE TEN,
BUT FUELED FOR TERMINAL.
WHAT ORDERS? JAMISON.

Lancey translated.

"They've got gas enough on No. 4 to go through to 'Frisco if you want."

McCabe cut in quickly.

"There's not enough time to get the Reno police on the job. Let 'em go through."

He grabbed a telephone and talked to headquarters. Lancey's operator rattled his transmitting "bug" and the tubes moaned out their instructions to No. 4, 5000 feet up, winging down the far side of the Rocky Mountains. Gorwick stood up and stretched.

"Crime is the bunk—these days," he said, and hunted up a telephone of his own.

It was Dan Cranston who first noticed that No. 4 was not going to make a landing

at Reno. He glanced at his watch and then at Eddie Gorman. Then he took down the phone to the pilot's compartment.

"Doesn't this plane stop at Reno?"

"No," came back the pilot's voice. "This is the through plane. It is number eight that drops here."

Cranston hung up the receiver and swore. Eddie Gorman jumped to his feet.

"What does that mean?" he demanded. "I told you something was going to pop."

"Oh, shut up," said his companion. "It is all right. We'll just hold sister on the Coast instead of making the trip by machine overland. I'll have to make some changes, but she'll hit the ranch at Puerto Castro just the same. Let me work it out."

He turned to the gagged and bound girl, crouched back against the cushions in the compartment.

"When we get to Frisco I'm going to put you to sleep again," he said. "You'll wake up in a ranch house. After that you won't be tied up any more. And when your old man comes through we'll turn you loose. I'm just telling you so you'll know."

Her eyes blinked rapidly. Denied speech, she could say nothing through the bandages. But her eyes never left the older man's face.

The pilot of No. 4 received certain instructions over his radio phone from Reno and an hour later from the San Francisco airport. He talked to his assistant and their faces set into grim lines. The plane roared westward, eating up the miles, the country unrolling beneath them like an endless panorama. Dead ahead the sun was sinking, a ball of crimson.

No. 4 roared down to the landing field in San Francisco through the glare of the field floodlights. It taxied past the administration building and swung broadside to the passenger exit at the runway. The passengers began to alight—half a dozen or so. The last out were Dan Cranston, Eddie Gorman and Miss Betty Mastick. The girl seemed ill and had to be helped out.

There was a taxi-waiting, and in response to Granston's gesture the driver swept up to the entrance and opened the door. Cranston helped the girl in. As she stepped into the car it left the two men standing on the sidewalk alone for an instant. In that instant a squad of police suddenly appeared from nowhere. A circle of shotguns bore down on the two.

. . . all right, boys . . . just put 'em up and keep 'em there . . ."

In Chicago, at the Callux airport office, an operator handed Laney, the manager,

(Continued on Page 90)

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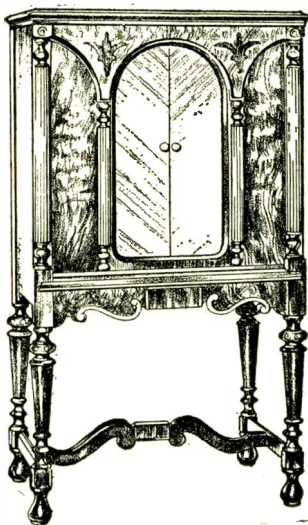
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KFRC'S JAMBOREE

By MONROE R. UPTON

KFRC's Jamboree was born—a good program is born, not made—'way back, let's see, somewhere between here and the building of the Pyramids—or maybe it was the sinking of the Lusitania. Mac started it all, as a campfire hour. Come to think, though, it might have been the Cuckoo Club first, with Baron Keyes on the top limb. Anyway, when Don Lee moved in and then moved the station to 1000 Van Ness Avenue it became the Blue Monday Jamboree.

The Jamboree is just about the only West Coast program that has managed, by hook or kilocycle, to become an institution. It has taken its place along with marriage, the Katzenjammer Kids, the Pacific Ocean, aloofness to the Eighteenth Amendment and the story about the traveling man who went downstairs and ate the rest of the biscuits as part and parcel of far western life. One may knock it, upon occasion, but it would be an alarming breach of etiquette to ignore it.

Come over here a minute while we whisper in your ear the secret of its success. Sh-h-h-h-h-h—don't tell a soul! It's actually been known to contain certain bits scattered through it that made people laugh!

First, but not least, is Harrison Holliway. He's a little man with a large mustache and is manager of KFRC as well as ringmaster for the Jamboree. He is married, has a wife, and is fond of solving problems. For further information see Who's Who for 19—well, say 1932. That should give him plenty of time.

Now right over here, friends, we have the Comedy Department. The funny men Ha! Ha! Ha! Ha! See Frank Watanabe scrubbing the floor! Ain't he funny! And June DeRoche! Look how she peels hard-boiled eggs with a sword! A positive scream! And what's that big seal doing over there—surely not trimming his whiskers with a pair of tin snips? Why, it's Dippy, Al Pearce! Bark for us, Dippy! Ha! Ha! Ha! Ha! Well, I'm a two-faced totem pole if there isn't "Simp Fitts," the sad old hermit of Seal Rocks, building a new kind of alarm clock. For whom? Brown bears! Atta boy, Simp! Who's the boy asleep on the broom? Pedro, the dumb janitor! How's Oscar, the clam hound, Pedro?

Eddie Holden (Frank Watanabe) was born in San Francisco. His father was an actor, though he died before Eddie was old enough to have ambitions for following in

his footsteps. The acting instinct was just born in him. He is a very tall man, wears shoes, and has been married a long time, poor fellow. The shoes hurt his feet so.

June DeRoche is not only a very fine little actress, but she has much originality and a fine sense of humor. Good looking, too!

Dippy is an ambitious boy with a double-barreled shotgun trained upon those elusive birds, fame and fortune. One barrel is loaded with the Columbia recording harmony team, Cal and Al. The other is loaded with his own clowning proclivities. He is bound to knock down one or the other birds, if not both, with two chances.

"Simp Fitts," who is really Monroe R. Upton, is writing this article, and so of course modesty forbids him being complimentary about himself. Suffice to say that without a doubt he is the greatest humorist and comedian who ever sat before a mike or typewriter. Well, anyway, he's the greatest who ever had charge of Seal Rock broadcasting—or almost.

Pedro, Eugene Hawes, was raised down near Barstow, where it's very, very hot. He has brown eyes, one and one-half pairs of shoes and a very strong predilection for work's opposite.

The musical department? Second aisle to your right, lady! Tenors? Well, here's Bob Olsen. No, not included in the sale, lady! Physicians claim he has increased the average heart beat rate among women at least five per cent since he has been on the air. He's tall and slender, never chews tobacco and sings with his mouth open. His wife has blue eyes, too. I forget about the children.

Norman Neilsen? The more you know him and hear him sing the better you like him, and like to hear him sing. He used to be in musical comedy, and used to be single. He successfully survived both.

Want to see Mac? Sorry, lady, but he's in a department all by himself. See where that hay-wire is all scattered around? Well, you'll find him over there.

Mac hasn't lived a good many years for nothing. He's been squeezing plenty out of it at every turn and he hasn't it all squeezed dry yet. He's worked at most everything that doesn't require a B.A. degree except undertaking, and has always sung and played the guitar during intermissions. As

(Continued on Page 90)

ENGINEERS TELL ABOUT MODERN TUBES

The economy and general practicability of the new a.c. sets have been made possible by the design of special a.c. tubes, says Walter Krahl, chief engineer of the Arcturus Radio Tube Company of Newark, N. J., and represented on the West Coast by Universal Agencies with offices in Spokane and Los Angeles.

According to Mr. Krahl's analysis there were several points to be considered in the design of an entirely satisfactory a.c. receiver that were directly dependent upon the efficiency of the tubes employed in the various circuits. These were:

1. Perfect quality of reproduction.
2. Humless reception.
3. Long life, with immunity to line surge.
4. Instantaneous heating.
5. General economy.

Perfect reproduction has been attained by making consistently good tubes. As long as a tube is made to the specifications around which the set has been designed, the quality, Mr. Krahl points out, is bound to be good—if there is nothing wrong with the receiver. The checks and tests through which all Arcturus tubes are passed preclude the possibility of other than perfect tubes appearing on the dealers' counters.

The design of cathode tubes, such as the Arcturus type 127 for r.f., a.f. and detector stages results in the reduction of hum to a minimum that is quite negligible.

The short life that has heretofore characterized so many of the cathode tubes has been almost invariably caused by their vulnerability to line surges, either with changes in the line voltage, which varies from hour to hour, or accompanying the first passage of current through the cold filament as the current is turned on. The characteristics of the Arcturus heater are such that it is immune to harm from current variations in supply lines to rural and suburban districts, where this is most severe. The tubes are designed to function satisfactorily at both high and low extremes. The initial current surge characteristic is most satisfactory, as may be shown by laboratory curves. The current rises in the heater of the Arcturus 127 tube to a relatively low value as the current is switched on.

The thermo-dynamic characteristics of these tubes—the screen grid type 124 and the detector type 127—are such that they heat to operating temperature seven seconds after the switch is snapped on.

It is possible to make receivers to sell for relatively low prices employing these tubes, due to several considerations. With the design of the type 145 power tube, all tubes in the receiver can be operated from a common 2.5-volt winding on the filament lighting transformer, and a relatively low plate voltage is required for a high distortionless output, all resulting in a reduction of manufacturing cost. Also the high efficiency of the screen grid tube lowers the number of tubes actually required in the receiver for optimum sensitivity—distant reception—while the cost of operation is lowered by the increased life and general reliability of the tubes.

HOW MUCH HOUSE CURRENT DOES YOUR RADIO CONSUME?


The layman often questions the economy of radio receivers operated from the house current, according to George Lewis, vice-president of the Arcturus Radio Tube Company of Newark, N. J. "As a matter of fact," says Mr. Lewis, "these receivers are necessarily the most economical type of sets, due to the fact that they have eliminated the charge-discharge inefficiencies of the battery sets.

"It is easy to check the current consumed by an all-electric set, and compare it with the current consumption of the average electric light lamps by noting how fast the metal disk revolves on the watt-hour meter. For instance, with all current in the house turned off, the disk should not move at all. If, with a 75-watt lamp turned on, the disk revolves five times in one minute, and with only the radio set turned on it revolves fifteen times in one minute, it is obvious that the radio consumes three times as much power as the 75-watt lamp, or 225 watts. Multiply this by the number of hours a month the set is in operation, divide by one thousand and multiply by the cost of electricity to you per kilowatt hour (refer to your bill) and you will know what it costs for current to operate your radio for one month. This will invariably be less than the cost of charging batteries and buying new 'B' batteries."

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LIFETIME GUARANTEE

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The STARGAZER



By FREDERICK NORWOOD

MOLKO, famous Russian musician, has just completed a tour of Europe on a trip of musical inspection, and his observations bring in reflex a side light on Soviet Russia which is all the more interesting because of the developments in that country which are being closely watched by all the powers. Says Molko, with rare ingenueness:

"In Europe all the older people go to the concerts. In Russia it is the other way. It is the younger people to attend the musical events."

He gives as a hypothetical reason that perhaps there are not so many phonographs and radios in Russia, and that his race is "music hungry," and adds:

"The danger of radio is that people listen with only half an ear."

Molko has touched a very interesting angle on the broadcasting of great music. He is quite correct, it would appear, in this analysis. People do listen with but half an ear to radio music because complete concentration is not necessary. It is developing music into a background rather than an objective. Russia is still listening to music with concentration, and particularly the younger generation. This would predicate greater musical consciousness in the next generation for Russia than for the radio-ridden world.

Russia's music has been barbaric and intense. None of this intensity is lost in modern Russian compositions, although much of the barbaric splendor has been garnished in later years by the more pendentic acquiescence of modernism, translated into garish mould. This concentration of the younger generation at a period of musical history, when the whole trend of music is toward a free utterance and expression, may bring a host of brilliant new composers out of this queer country so heatedly engaged in being itself.

* * *

Yehudi Menuhin, whose wondrous violin has sung the fame of its master even into foreign lands, shocked some of the musical world when he naively admitted that he was learning to play the saxophone. Some critics have gone so far as to predict that our beloved Yehudi is turning aside to join the ranks of jazz. This is to laugh. Yehudi probably likes to blow a horn like any other boy, and his musical instincts have turned

to a horn from which he can obtain music. Any of us would delight in fiddling with shiny brass keys and tooting just to see how it worked, and this is probably the extent of Yehudi's dissipation. The elder Menuhin, who has so wisely guided this young genius thus far, might even have gone so far as to have suggested it. All this has nothing to do with the golden gift of musical greatness which cannot be upset by a saxophone no matter what an unthinking critic may fear.

* * *

Another San Francisco musician has stepped into fame. This time it is Frederick Jacobi, the gifted American composer, born in the Golden Gate city in 1891, who, although only 37 years old, has many meritorious works to his credit. The Philadelphia orchestra under Stokowski has only recently played four of his Indian dances, one of his newer productions, and added to the young composer's laurels. Jacobi is reported coming west shortly on concert tour and will no doubt receive a warm greeting from his home town.

* * *

At least one debate has been settled. Asked whom she considered the greatest living soprano today, Mme. Tetravzini, herself a soprano of world fame, unhesitatingly designed Florence Austral as the "queen of melody" of all the world, probably one of the highest compliments ever given one great singer by another.

* * *

The extent to which some musicians take their work seriously is shown in the announcement of the American Orchestral Society that eighty rehearsals will be held for the 27-week series of ten concerts which are to be held next season at Carnegie Hall. A huge training orchestra will precede the opening of the series.

* * *

A musical festival which is attracting much attention is the Haslemere chamber music offering which takes place August 19 to 31 under direction of Arnold Dolmetch. English music of the Tudor and Jacobean periods will be given, with early French, Spanish and Italian productions. Bach and Handel are also represented on the programs, which cover two weeks of notable events.

SOPRANOS ARE UNDER STRICT RULINGS OF KFI DIRECTOR

All those ladies who sing and whose range lies above middle C—in short, all sopranos, have been thrown into a storm of conjecture over the newest ukase issued by Robert Hurd, program director of KFI, Los Angeles.

After a particularly acute evening of soprano singing, Mr. Hurd carefully typed out the following and placed it on the KFI bulletin board above his own signature:

As to Sopranos

The station has felt for a long time that the soprano is a drug on the American broadcasting market. There are sopranos and sopranos. Moreover, a large majority of them do not "register" satisfactorily over the air. A soprano who sounds beautiful in the studio often proves an abomination on the loud speaker. This, it should be added, is not the fault of the soprano, but usually is a technical problem well understood by radio editors and critics. Consequently, henceforth KFI will change its policy as follows:

First—Only those sopranos whose voices carry well over the air will be featured.

Second—There will be only one soprano during the evening program.

P. S.—It should not be omitted that this notice was followed within a day by this curt addendum:

Notice to Sopranos

Sopranos please refrain from singing joyous or exuberant songs or odes to spring, as they do not broadcast well.

Group Address System Brings Organ Recital to Shoppers Throughout Huge New York Department Store

Blasé New Yorkers are experiencing a new thrill when they enter the portals of a well-known department store located in the center of the shopping district. This store caters entirely to feminine shoppers, and evidently the management has ascertained that good music helps to loosen purse-strings.

A marvelous pipe organ has been installed on the mezzanine floor. The mezzanine forms a balcony above the street floor. Through the installation of an Amplion group address system, the organ may be

heard not only on the main floor, but from any part of the entire six-story building. This is accomplished by means of a microphone located at the organ chamber and connected to a three-stage Amplion power amplifier which feeds ten loud speakers. The speakers are mounted at strategic points throughout the building. Amplion magnetic cone speakers are used, only two being required for each floor.

Gowns are sold on one floor, coats on another, shoes and hosiery on still another, etc. On the top floor there is a completely equipped modern restaurant. The music may be switched "on" or "off" at each floor and the volume also may be controlled as desired, from any floor. On several of the floors there are stages for the models to display gowns and coats. Loud speakers are located on each side of the stage, so that the models walk across the stage to the accompaniment of the organ music.

The store containing this unique public address installation is the elaborate new Thirty-fourth Street establishment of Beddell's, in New York City. Recitals are given each afternoon by Miss Mary Jones, a talented young organist. The response of the shopping public to this innovation has been so favorable that it is planned to continue the concerts indefinitely.

NATION-WIDE DISTRIBUTION IN TWO YEARS

Tucked away in an obscure corner of the first radio show held two years ago, a booth displaying the sign "Jensen Electro-Dynamic Speaker" attracted attention all out of proportion to the modesty of its proportions. Neglecting some of the large and elaborate displays, the eager radio enthusiast, quick to appreciate the importance of the new principle embodied in the speakers designed by Jensen, flocked around the booth to listen to his explanations of the speaker bearing his name.

Climaxing ten long years of patient research and experimentation carried on in the face of discouraging obstacles, Jensen's speaker, constructed on an entirely new principle, has eliminated the hiss and distortion which formerly marred the enjoyment of perfect reproduction.

Two years have elapsed since the announcement of this revolutionary new speaker startled the radio world, and the eve of 1929 Radio Show finds the Jensen Electro-Dynamic Speaker enjoying nation-wide distribution.

MICROPHONE GOSSIP



Sadye Nathan, the young lady who tells about beauty—where and how to get it—from the microphone of KFI, Los Angeles, avers that a considerable proportion of the hairdresser business in her Hollywood shop is for the benefit of men.

"This isn't at all strange—don't laugh," says Sadye. "Men who work in motion pictures are not all born with that perfect marcel wave, nor do they all just happen to shape their hair to their heads because Nature was good to them.

"No, professional actors have to attend beauty shops just as much as professional actresses. But they keep it a deep, dark secret because it isn't supposed to be manly.

"If you only knew, dearie—" concludes Sadye with a smile far too wise for her 80 years, "the names of some of my men clients"

* * *

Calmon Luboviski, master violinist, heard exclusively over station KNX, Hollywood, recently started his sixth consecutive year on the air as a regularly scheduled artist.

* * *

Xavier Cugat, world famous violinist and caricaturist, has joined the staff of KNX, Hollywood, and his Spanish Ensemble will be heard regularly over the powerful western transmitter. Between programs, for his own amusement rather than for monetary gain, Cugat contributes caricatures of celebrities to a dozen newspapers and magazines.

* * *

A blue dress described during an NBC program the other day sounded so attractive to the continuity writer who wrote the description that he rushed down to the studio to see it, forgetting for the moment that the dress was a product of his own imagination. When he saw the girl in the San Francisco studio wearing a different gown he realized his error and good-humoredly joined in the laughter as he explained his mistake.

* * *

Colored smocks worn by musicians in the orchestras at the NBC's San Francisco studios have occasioned much comment among visitors, who wonder why they exchange their coats for the blue garments. It is explained that the smocks are much lighter, cooler and more comfortable when the men play for several hours at a time.

From England has come a letter of appreciation to Jennings Pierce, chief announcer at the San Francisco studios of the NBC, from a girl who once considered him "such a tease" when they were in the same class at the University of California.

The letter recalled Pierce's career as a singer in college and his studies in agriculture at Davis, and indicated that some of his most ardent enthusiasts are his ex-classmates, who have been following his career as a radio announcer since he joined KGO's staff a number of years ago.

* * *

Carrying out an expansion program, station KJBS has recently installed another new, modern studio and added two new members to its staff. This was announced by Ralph R. Brunton, manager of the station.

The new station is completely furnished in up-to-the-minute fashion, embodying the latest principles in acoustics and carrying out a bright, futuristic appearance through splashes of color in the drapes, rugs and lighting effects.

The new members on the KJBS staff are Alvin R. Thomas and Ralph K. Clark, who are dividing their time between announcing and the production of programs.

Thomas' association with the station marks his return to the broadcasting field after an absence of over a year. He was formerly a member of the NBC announcing staff, connected with the San Francisco studio.

Clark comes to KJBS with five years of broadcasting experience behind him. After spending two years on the announcing staff of KOA, at Denver, Clark became director of KFBK, Sacramento, which position he has held during the past three years.

* * *

Sid Goodwin, KGW's chief announcer, has gone on his vacation, but has not deserted radio. He took along a broadcast receiver and a short waver, and to insure ease and comfort while tuning he took a sofa pillow recently presented by a Los Angeles admirer.

* * *

What is the scarcest commodity in radio? "A baritone," says Jane Burns, KGW program director. Jane, however, is very fussy, for Mark Daniels, the last baritone, was a member of the American Opera Company.

BRANDES

Embodying the latest developments of Frederick A. Kolster, and huge research organizations of Kolster and Brandes—the new Kolster and Brandes Radio represent the very best in their respective price fields. You will enjoy seeing these advance models at our booths at the main entrance of the Auditorium, San Francisco Radio Show.

JOHN G. RAPP
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Distributors

123 Second Street San Francisco

KOLSTER

KFRC's JAMBOREE

(Continued from Page 82)

a result, when he sings any one of his 92,368 songs for the people there is a subtle appeal in his voice no one has ever equaled. The personnel of his hay-wire orchestra includes Jack Riley, guitarist and soloist; Frank Zerne, harmonicist, and Virgil Ward, first, second and third violinists.

No, madame, June DeRoche isn't the only lady we have in stock. Here's Lucille Atherton Harger and Juanita Tennyson, contralto and soprano respectively, who produce as sweet notes as ever tickled an ear drum. Edna O'Keefe cuts her age in two and uses the first half when she sings. (She measures sixteen years over all.) Alice Blue puts her soul into piano or organ work with equal facility. Virginia Spencer is always ready to serve you her own particular brand of solo, red hot right off the piano. She sings, too. Jean Wakefield not only composes, she plays her own accompaniments and sings with more sincerity and appeal in her voice than any eight opera singers living.

*In the men's department again, Harold Dana, baritone, holds an enviable place in the musical world. Next to singing big-hearted, rollicking ballads Harold likes to swim in the ocean and lie on the beach in the sun. The rest of the male section of the ensemble is composed of Raymond Marlowe, Frederick Brown and Harry McKnight, tenors; Harrison Ward, baritone, and Lloyd Knight, bass.

Last, and hardest working when he plays, is Micky Gillette, saxophonist supreme, and leader of KFRC's hot jazz band. Micky has red hair and ambitions to be a lawyer.

Listen! Hear it? They're singing Smiles! The Jamboreadors bid you all good night!

KIDNAPED BY AIR

(Continued from Page 80)

a cipher message from the San Francisco airport:

Laney pencilled the translation alongside, and Cyrus Mastick who was looking over his shoulder, began to cry.

"Thank God! Oh, thank God!" he said.

BROADCAST WEEKLY devotes more space to station programs than any magazine or newspaper in the United States.

INVENTION OF STATIC KILLER TO WIN FORTUNE

Ever so often a new device designed to eliminate static is put through the Patent Office, according to J. E. Smith, president of the National Radio Institute of Washington, D. C., indicating the widespread effort being made to develop an effective static eliminator.

A majority of the so-called static killers that have been designed in the past have not been practical since they materially reduced the strength of the broadcast signals as well as static discharges.

It was thought that army radio operators had found a good static eliminator several years ago when, operating in a heavily timbered country, they used young trees with rising sap as an antenna system. That materially reduced the static, but the signal strength was correspondingly weak. Some one is going to stumble on to the correct principle some of these days, concluded Mr. Smith, and when he does he is due to reap a fortune.

GOVERNMENT TAKES MORE INTEREST IN RADIO

The increasingly important part that Uncle Sam is assuming in radio is reflected in the recent announcement of the Civil Service Commission for application for government radio engineers with salaries up to \$4600 a year.

This growing government interest, according to J. E. Smith, president of the National Radio Institute of Washington, D. C., may be attributed to several factors, of which the most significant, perhaps, is that radio broadcasting is gradually evolving into a public utility with its control and regulations, more and more being placed in the hands of Federal agencies.

Furthermore, the government's elaborate programs calling for the latest radio equipment for airports, airways, the lighthouse service and other projects are seen as an added indication of the greater influence that Uncle Sam will exercise in the future of radio.

SUNDAY Programs • • • • • Aug. 18, 1929



Cyrus Trobbe
KPO—10 p.m.



Elsa B. Trautner
KPO—7 p.m.



Refa Miller
KPO—10 p.m.



Mabel Payne
KJBS—2 p.m.

440.9 Meters **KPO** Channel 68 680 Kcys. 5000 Watts

Hale Bros. & The Chronicle, San Francisco

- 9 to 9:45 a.m.—Sabbath hour with Theodore Strong, organist, and the Clarion Four
9:45 to 10:45 a.m.—Interdenominational and non-sectarian church services; Dean Farlander of All Saints' Episcopal Church
10:45 a.m.—Bank of America of California
12 to 1:30 p.m.—National Sunday Forum, NBC
1:30 to 2:30 p.m.—Afternoon concert, NBC
2:30 to 3 p.m.—Whittall Anglo-Persians, NBC
3 to 4:15 p.m.—Sunday concert, NBC
4:15 to 5:15 p.m.—Uda Waldrop, organist, and Ione Pastori Rix, soprano
5:15 to 5:45 p.m.—Atwater Kent program, NBC
5:45 to 6:15 p.m.—Bible drama, NBC
6:15 to 6:45 p.m.—Studebaker program, NBC
6:45 to 7 p.m.—Talk, Elmer Robinson, "What's New in Science and Invention"
7 to 7:45 p.m.—KPO Concert Hour, featuring Cy Trobbe's 25-piece orchestra, the Sequoians and Elsa Behlow Trautner, soprano; broadcast from Radio Show
7:45 to 8 p.m.—Enna Jettick Melodies, NBC
8 to 8:30 p.m.—North American Building-Loan Ass'n program, orchestra and mixed quartet; broadcast from Radio Show
8:30 to 9 p.m.—Rudy Seiger and his Fairmont Hotel Concert Orchestra
9 to 10 p.m.—Abas String Quartet, with Allan Wilson, tenor; Eva Gruninger Atkinson, contralto, and Margo Hughes, pianist; broadcast from Radio Show
10 to 11 p.m.—KPO Revue Orchestra, directed by Cy Trobbe, the KPO Carolers and Jerry Jermaine, contralto; broadcast from Radio Show

315.6 Meters **KFWB** Channel 95 950 Kcys. 1000 Watts

Warner Brothers, Hollywood, California

- 10 to 1:30 p.m.—Courtesy program
1:30 p.m.—Coast League baseball game
6:30 p.m.—Harry Jackson's entertainers
7 p.m.—Hollywood Athletic Club
7:30 p.m.—Burr McIntosh, Cheerful Philosopher
8 p.m.—Orchestra; Emma Kimmel, soprano
9 p.m.—Daily news items
9:15 to 11 p.m.—Bill's Ragtime Review

491.5 Meters **KFRC** Channel 61 610 Kcys. 1000 Watts

Don Lee, Inc., San Francisco, Calif.

- 9 to 12 noon—Home Sweet Home concert
12 to 1:15 p.m.—Sherman-Clay noonday concert
1:15 to 2:15 p.m.—Sunday matinee, featuring Jean Wakefield, Bob and his zither, Dick McCaffrey and Tom Quirk and Alice Blue
2:15 to 3:15 p.m.—Recordings
3:15 to 4 p.m.—Art Fadden, pianist
4 to 5 p.m.—Musical record program
5 to 6 p.m.—Majestic Theater of the Air, CBS
6 to 7 p.m.—Paul Carson, organist; Lucille Atherton Harger, contralto, and Marjorie Coletti, pianist, with violin and harp
7 to 7:30 p.m.—Robert Olsen, song recital; Mary Pasmore, violinist; Frank Moss, pianist
7:30 to 8 p.m.—Harold Dana, baritone, and the Novelty Six
8 to 9 p.m.—Charles Bulotti, tenor; Juanita Tennyson, soprano, and KFRC Concert Orchestra, directed by Frank Moss
9 to 10 p.m.—Tom Gerunovich and his Roof Garden Orchestra
10 to 10:10 p.m.—Amos 'n' Andy
10:10 to 11:10 p.m.—Tom Gerunovich and his Roof Garden Orchestra
11:10 to 12:10 a.m.—New Mandarin Cabaret Band

280.2 Meters **KJBS** Channel 107 1070 Kcys. 100 Watts

J. Brunton & Sons, San Francisco, Calif.

- 8:30 to 9 a.m.—American tunes
9 to 9:30 a.m.—Organ records
9:30 to 10 a.m.—Crescendo Trio
10 to 11:30 a.m.—Popular recorded selections
11:30 to 12 noon—Sidley program
12 to 1 p.m.—Popular dance music
1 to 2 p.m.—Red Seal recordings
2 to 3 p.m.—Radio Show program from Auditorium, presenting Knickerbocker Orchestra and Mabel H. Payne, soprano
3 to 4 p.m.—Radio Show program, Hot-N-Kold Radio Rodeo with Eddie Holden
4 to 5 p.m.—Radio Show program, Astra Quartet
5 to 6 p.m.—Saphire program
6 to 6:30 p.m.—Instrumental selections
6:30 to 7 p.m.—Mike Caprero, accordionist

SUNDAY Programs

NBC

National Broadcasting Company

12 to 1:30 p.m.—National Sunday Forum

"The Divine at the Door" has been chosen by Dr. Ralph W. Sockman for his address today. Dr. Sockman, during this service conducted by the Greater New York Federation of Churches, will point out that modern life is so full of activities that religion has a difficult time to get a hearing. An age of flapperism and libertinism will be followed by a return to puritanism, as society becomes sated with the sensual and the artificial and begins to crave the simple and the spiritual, declares the noted New York clergyman.

George Dilworth will direct the oratorio choristers in the musical portion of the service held in the NBC's cathedral studios in New York with Hart Giddings as organist. Dr. Sockman's "Question Box" will also be heard.

Broadcast through KHQ and KPO for the entire period and through KOMO and KGO from 12:15 to 1:30 p.m.

1:30 to 2:30 and 3 to 4:15 p.m.—Sunday Afternoon Concert

Presenting Anthony Linden, nationally known American flutist, as guest artist, the weekly Sunday Afternoon Concert will be broadcast.

Accompanied by his wife, Emily Linden, he will play one of her compositions, "The Don," and a French arrangement for flute and piano of Debussy's strangely lovely "prelude symphonique," "The Afternoon of a Faun."

Under Charles Hart's baton the orchestra will interpret a "Hebrew Melody" by Achron, one of the most significant composers in the field of Jewish music, and Elgar's majestic "Pomp and Circumstance" in the first hour and Weber's classic "Invitation to the Dance" and Hosmer's interesting "Chopiniana" in the concluding section.

Barbara Blanchard and Ethel Wakefield, sopranos, and Margaret O'Dea and Eva Gruninger Atkinson, contraltos, form a quartet which will sing gospel hymns and songs during the second period.

Broadcast through KHQ, KOMO and KPO, KGO (1:30 to 2:30 and 3 to 4 p.m.), KFI (2 to 2:30 and 3 to 4 p.m.), and KGW (3 to 4:15 p.m.).

2:30 to 3 p.m.—Whittall Anglo-Persians

Soaring above a colorful section of the "Dark Continent" on their magic carpet, the Whittall Anglo-Persians will present a musical picture of the scene below as they open their half-hour broadcast.

"Prayer and War Dance of the Basutos" from "The African Suite" by Thurban will be their initial selection, played under the direction of Louis Katzman.

A salon arrangement of the melodious "Allah's Holiday" from Friml's light opera "Katinka" and Myddleton's "By the Swanee River" are two other numbers of special interest on the program.

Broadcast through KHQ, KOMO, KGW, KGO, KPO and KFI.

4:15 to 5:15 p.m.—Radio Guild

The Radio Guild's version of another outstanding dramatic work will be broadcast through KOMO.

5:15 to 5:45 p.m.—Atwater Kent program

The Atwater Kent program will be broadcast through KHQ, KOMO, KGW, KGO, KPO and KFI.

5:45 to 6:15 p.m.—Biblical Dramas

A Biblical drama portraying the story of King Herod, his wife Herodio, and Salome, the beautiful dancer, will be broadcast through KHQ and KPO.

6:15 to 6:45 p.m.—Studebaker Champions

Jean Goldkette's 30-piece orchestra will begin the program with "For Someone I Love," from the current Broadway show, "Sketch Book." Fred Waldner, tenor, will join the instrumentalists in "When My Dreams Come True," a popular number from "The Cocoanuts." Two other artists participating in the program will be Buryl Retting and Dick Platt, pianists.

Broadcast through KHQ, KOMO, KGW, KGO, KPO and KFI.

7:45 to 8 p.m.—"Enna Jettick Melodies"

Days of the past will be revived as two favorite old songs are included on the fifteen-minute program of "Enna Jettick Melodies."

"Alice Blue Gown" and "Dawn Brought Me Love and You" are the duo of melodies reminiscent of previous decades. The tenor soloist will recall other old scenes as he sings the sturdy English "A-Hunting We Will Go."

Broadcast through KHQ, KOMO, KGW, KGO, KPO and KFI.

483.6 Meters

KGW

Channel 62

2620 Kcys.

1000 Watts

The Morning Oregonian, Portland, Oregon

10 to 11 a.m.—International Bible Students

11 to 12:30 p.m.—Hinson Memorial Baptist Church

1:30 to 2:30 p.m.—Organ recital

2:30 to 3 p.m.—Whittall Anglo-Persians, NBC

3 to 4:15 p.m.—Sunday Concert, NBC

4:15 to 5:15 p.m.—Studio program

5:15 to 5:45 p.m.—Atwater Kent Hour, NBC

5:45 to 6 p.m.—Cotton Plantation

6 to 6:15 p.m.—Song stories

6:15 to 6:45 p.m.—Studebaker program, NBC

6:45 to 7:45 p.m.—Twilight Hour

7:45 to 8 p.m.—Enna Jettick Melodies, NBC

8 to 10 p.m.—The Rollickers

10 to 11 p.m.—Little Symphony Orchestra

508.2 Meters

KHQ

Channel 59

590 Kcys.

1000 Watts

Louis Wasmer, Inc., Spokane, Washington

9:30 to 10 a.m.—Uncle Billy reads the funnies

10 to 11 a.m.—Children's Bible class

11 to 12 noon—Methodist Episcopal Church

12 to 1:30 p.m.—National Sunday Forum, NBC

1:30 to 2:30 p.m.—Sunday concert, NBC

2:30 to 3 p.m.—Whittall Anglo-Persians, NBC

3 to 4:15 p.m.—Afternoon concert, NBC

4:15 to 5:15 p.m.—Triodian String Ensemble

5:15 to 5:45 p.m.—Atwater Kent, NBC

5:45 to 6:15 p.m.—Bible drama, NBC

6:15 to 6:45 p.m.—Studebaker Champions, NBC

6:45 to 7:45 p.m.—The Angelus Hour

7:45 to 8 p.m.—Enna Jettick Melodies, NBC

8 to 9 p.m.—All Saints' Cathedral

9 to 10 p.m.—City Service Little Symphony

296.6 Meters

KQW

Channel 101

1010 Kcys.

500 Watts

First Baptist Church, San Jose, California

10:15 to 11 a.m.—Sunday school lessons by Fred J. Hart

11 to 12:30 p.m.—Morning services, First Baptist Church; Rev. Paul H. Ralstin

7:30 to 9 p.m.—Services, First Baptist Church

SUNDAY Programs

ABC

American Broadcasting Company

A—KJR, KEX, KGA, KYA, KDYL, KLZ
 B—KJR, KEX, KGA, KYA, KMTR, KDYL, KLZ
 C—KJR, KEX, KGA, KYA, KMTR
 D—KJR, KEX, KGA
 E—KJR, KEX, KGA, KDYL, KLZ, KMTR

- 10 to 10:30 a.m.—Sacred prelude, mixed quartet; Hallie F. Staude, soloist—E
 10:30 to 11 a.m.—American Artistic Ensemble; Gordon Onstad, soloist—E
 11 to 12 noon—All-Artist Septet; Perdin Korsmo, soloist; Ve Ona Socolofsky—B
 12 to 12:30 p.m.—Song recital, Agatha Turley and Hayden Morris—E
 12:30 to 1:30 p.m.—American Salon Orchestra—E (KYA at 1:15)
 1:30 to 2 p.m.—Octochordians, male octet; Henry Damski, director; Perdin Korsmo, soloist—B
 2 to 2:30 p.m.—Enchanters' male quartet—B
 2:30 to 3 p.m.—American Salon Orch.; Francisco Longo, director; Sydney Dixon, soloist—B
 3 to 3:30 p.m.—Cathedral Hour; Jacques Jourderville, director; Agatha Turley and Hayden Morris, soloists—B
 3:30 to 4 p.m.—Pamela, sketch by H. Johnsrud—D
 4 to 4:30 p.m.—"Happy Isles," Merle North, soloist—D
 4:30 to 5 p.m.—Sonatron Tube program, Art Kahn's orchestra—CBS from New York—B plus KFBK
 5 to 6 p.m.—Majestic Theater of the Air, Wendell Hall, Arnold Johnson's orchestra, CBS from New York—B plus KFRC and KFBK
 6 to 6:30 p.m.—ABC Musical Vespers; Ve Ona Socolofsky and Marshall Sohl, soloists—D
 6:30 to 7 p.m.—Lyric Hour; Agatha Turley, soloist—C plus KFBK
 7 to 7:30 p.m.—Musical Melange; Gordon Onstad, soloist—B plus KFBK
 7:30 to 8 p.m.—Harper's Corners, rural sketch by Mitchell Sutherland, directed by Harold Johnsrud—B plus KFBK
 8 to 8:30 p.m.—Damski's Neapolitans—E plus KFBK
 8:30 to 9 p.m.—Damski's Neapolitans—D
 9 to 10 p.m.—Pacific Salon Orchestra; Liborius Hauptmann, director; Dorothy Lewis, soloist—B plus KFBK
 10 to 11 p.m.—Rhythm Aces; Georgie Stoll, director; Hazel Warner, soloist—B plus KFBK

• 285.5 Meters
 1050 Kcys.

KNX

Channel 105
 5000 Watts

L. A. Evening Express, Los Angeles, Calif.

- 9 to 10 a.m.—Program by Chet Mittendorf
 11 to 12:30 p.m.—First Presbyterian Church
 12:30 to 1 p.m.—Musical program
 1 to 2 p.m.—International Bible Students' Association
 2 to 4 p.m.—City Park Board musical program
 4 to 5 p.m.—Radio Church of the Air
 5:30 to 6 p.m.—All Souls' Church
 6 to 6:30 p.m.—Talk by Ernest Holmes
 6:30 to 7 p.m.—Dr. Theodore Curtis Abel
 7 to 8 p.m.—KNX feature artists
 8 to 9 p.m.—First Presbyterian Church
 9 to 10:30 p.m.—Calmon Luboviski, master violinist; Claire Mellonino, pianist; Walter V. Ferner, 'cellist

243.8 Meters
 1230 Kcys.

KYA

Channel 123
 1000 Watts

Pacific Broadcasting Corp., San Francisco

- 10 to 11 a.m.—Examiner Funny Hour
 11 to 11:45 a.m.—All Artists' Sextet, ABC
 11:45 to 12 noon—Ala Maja
 12 to 1:15 p.m.—Old St. Mary's Church
 1:15 to 1:30 p.m.—American Salon Orch., ABC
 1:30 to 2 p.m.—Octachordians, ABC
 2 to 2:30 p.m.—Enchanters' Male Quartet, ABC
 2:30 to 3 p.m.—American Salon Orch., ABC
 3 to 3:30 p.m.—Cathedral Hour, ABC
 3:30 to 4:30 p.m.—Rhythm Aces, Georgie Stoll
 4:30 to 5 p.m.—Sonatron Tube program, CBS
 5 to 6 p.m.—Majestic Theater of the Air, CBS
 6 to 6:30 p.m.—Song recital
 6:30 to 7 p.m.—Lyric Hour, ABC
 7 to 7:30 p.m.—Musical Melange, ABC
 7:30 to 8 p.m.—Harper's Corners, ABC
 8 to 9 p.m.—Old St. Mary's Church
 9 to 10 p.m.—Pacific Salon Orchestra, ABC
 10 to 11 p.m.—Georgie Stoll's Rhythm Aces, ABC

239.9 Meters
 1250 Kcys.

KFOX

Channel 125
 1000 Watts

Nichols & Warinner, Long Beach, Calif.

- 7 to 9 a.m.—Remote control, KGFJ
 9 to 10 a.m.—Concert orchestra
 10 to 11 a.m.—Organ recital, Roy L. Medcalfe
 11 to 12:30 p.m.—St. Luke's Episcopal Church
 12:30 to 1 p.m.—Musical program
 1 to 2 p.m.—Hollywood Girls
 2 to 2:30 p.m.—Rebroadcast
 2:30 to 4 p.m.—Long Beach Municipal Band
 4 to 5 p.m.—Organ recital, Roy L. Medcalfe
 5 to 5:30 p.m.—Texas Cowboys
 5:30 to 6 p.m.—Doris, Grace and Foster
 6 to 7 p.m.—Studio orchestra
 7 to 8 p.m.—Hollywood Girls
 8 to 9 p.m.—First Church of Christ, Scientist
 9 to 11 p.m.—"All Star Night"
 11 to 3 a.m.—Dorado Club, Four Red Coats

333.1 Meters
 900 Kcys.

KHJ

Channel 90
 1000 Watts

Don Lee, Inc., Los Angeles, California

- 8 to 9 a.m.—Late recordings
 9 to 11 a.m.—Program from KFRC
 11 to 12:30 p.m.—First M. E. Church
 12:30 to 1:15 p.m.—Recordings
 1:15 to 2 p.m.—Program from KFRC
 2 to 3:15 p.m.—Recordings
 3:15 to 4 p.m.—Art Fadden, pianist, KFRC
 4 to 6 p.m.—Recordings
 6 to 6:45 p.m.—Tea Time Three, KFRC
 6:45 to 7 p.m.—World-wide News
 7 to 8 p.m.—First M. E. Church
 8 to 11 p.m.—Program from KFRC
 11 to 1 a.m.—Wesley Tourtellotte, organist, and Showboat Trio

361.2 Meters
 830 Kcys.

KOA

Channel 83
 12,500 Watts

General Electric Co., Denver, Colorado

- 3 to 3:30 p.m.—American Singers and Arcadie Birkenholtz, violinist, NBC
 3:30 to 4 p.m.—Retold Tales, NBC
 4 to 4:15 p.m.—Enna Jettick Melodies, NBC
 4:15 to 5:15 p.m.—Radio Guild, NBC
 5:15 to 5:45 p.m.—Atwater Kent Hour, NBC
 5:45 to 5:15 p.m.—Biblical drama, NBC
 6:15 to 6:45 p.m.—Studebaker Champions, NBC
 6:45 to 7:15 p.m.—At Seth Parker's, NBC
 7:15 to 7:30 p.m.—Sam Herman, xylophonist, NBC
 7:30 to 8 p.m.—Russian Cathedral Choir, NBC
 8 to 8:15 p.m.—News of the World

SUNDAY Programs

379.5 Meters **KGO** **Channel 79**
790 Kcys. **10,000 Watts**

General Electric Co., Oakland, California

11 to 12:15 p.m.—First Presbyterian Church service, Oakland; Rev. Frank M. Silsley, D.D., pastor

12:15 to 1:30 p.m.—National Sunday Forum, NBC

1:30 to 2:30 p.m.—Sunday concert, NBC

2:30 to 3 p.m.—Whittall Anglo-Persians, NBC

3 to 4 p.m.—Sunday concert, NBC

4 to 5 p.m.—Vesper service, Grace Cathedral

5 to 5:15 p.m.—"What's Happening in the World," John D. Barry

5:15 to 5:45 p.m.—Atwater Kent program, NBC

5:45 to 6:15 p.m.—Hudson Bay Fur program

6:15 to 6:45 p.m.—Studebaker Champions, NBC

6:45 to 7:45 p.m.—Bem's Little Symphony

7:45 to 8 p.m.—Enna Jettick Melodies, NBC

8 to 9 p.m.—First Presbyterian Church service, Oakland; Rev. Frank M. Silsley, pastor

9 to 9:30 p.m.—The Reader's Guide, Joseph Henry Jackson

322.4 Meters **KFWI** **Channel 93**
930 Kcys. **500 Watts**

Radio Entertainments, San Francisco, Calif.

3 to 5 p.m.—Request program

5 to 6 p.m.—Excerpts from "The Barber of Seville," by Rossini; this opera was first presented in Rome in 1816

7:50 to 9:15 p.m.—Fourth Church of Christ Scientist

340.7 Meters **KLX** **Channel 88**
880 Kcys. **500 Watts**

Tribune Publishing Co., Oakland, Calif.

3 to 5 p.m.—Baseball broadcast

5 to 6 p.m.—Chas. T. Besserer at Scottish Rite organ

265.3 Meters **KSL** **Channel 113**
1130 Kcys. **5000 Watts**

Radio Service Corp., Salt Lake City, Utah

4 p.m.—Earl Kass, baritone

4:15 p.m.—Radio Guild, NBC

5:15 p.m.—Atwater Kent Hour, NBC

5:45 p.m.—Biblical drama, NBC

6:15 p.m.—Studebaker Champions, NBC

6:45 p.m.—Standard Instrumental Quartet, featured soloist

7:30 p.m.—Harmony Night Hawks

8 p.m.—L. D. S. services from the studio

9 p.m.—Criterion Male Quartet and Melody Instrumental Trio

710 Kcys. **KFVD** **Channel 71**
422.3 Meters **250 Watts**

Auburn Fuller, Culver City, Calif.

8 a.m.—Popular program

9 a.m.—Riddle contest and organ

10 a.m.—Classical program

11:30 a.m.—Carey Preston Rittmeister

12 noon—Barrows Hour

2 p.m.—Hal Roach Comedy Gossip

2:30 p.m.—Sacred Half Hour

3 p.m.—Semi-classical program

4 p.m.—Eldorado program

4:30 p.m.—De Witt Hagar's program

8 p.m.—French Society program

10 p.m.—Records

545.1 Meters **KTAB** **Channel 55**
550 Kcys. **500 Watts**

Pickwick Broadcasting Co., Oakland, Calif.

9 to 10 a.m.—Dr. Corley

10 to 11 a.m.—Bible class

11 to 12:30 p.m.—Morning prayer

12:30 to 1 p.m.—Chapel of the Chimes

5 to 6 p.m.—Chapel of the Chimes

6 to 7 p.m.—Dance music

7 to 7:30 p.m.—Aida Luther, soprano; Lupe

Luna, pianist, in Spanish program

7:30 to 9:30 p.m.—Tenth Ave. Baptist Church

9:30 to 10 p.m.—Imported Brunswick recordings

10 to 11 p.m.—Arthur Shaw, organist; Joan

Ray, contralto; Emmet Dorman, violinist

11 to 1 a.m.—Nite Owls with Willard W. Kimball

468.5 Meters **KFI** **Channel 64**
640 Kcys. **5000 Watts**

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10 a.m.—L. A. Church Federation program

10:50 a.m.—Temple Baptist Church

2 p.m.—Musical program, NBC

2:30 p.m.—Whittall Anglo-Persians, NBC

3 p.m.—Musical program, NBC

4:30 p.m.—Lella Castberg, "Advanced Thought"

5 p.m.—Genevieve Behrend, "Science of Life"

5:15 p.m.—Atwater Kent program, NBC

6:15 p.m.—Studebaker Champions, NBC

6:45 p.m.—Studio program

7:45 p.m.—Enna Jettick Melodies, NBC

8 p.m.—Tom Terriss with Packard Concert Orchestra; Pryor Moore, director

9:30 p.m.—Studio program

10 p.m.—Wally Perrin's Packard Dance Orch.;

Jean Dunn, soloist

230.6 Meters **KTBI** **Channel 130**
1300 Kcys. **1000 Wtats**

Bible Institute of Los Angeles, California

6 to 7 p.m.—Studio vesper service

7 to 9:15 p.m.—Church of the Open Door

9:15 to 10 p.m.—Old Hymns Hour

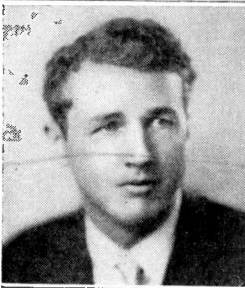
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Wave Length-Kilocycle-Channel Conversion Table

The following table gives the values of kilocycles corresponding to values of wave length in meters and the corresponding channel number. This table covers the band of waves allocated to broadcast stations.

Meters	Kilocycles	Channel	Meters	Kilocycles	Channel	Meters	Kilocycles	Channel
199.9	1500	150	254.1	1180	118	348.6	860	86
201.2	1490	149	256.3	1170	117	352.7	850	85
202.6	1480	148	258.5	1160	116	356.9	840	84
204	1470	147	260.7	1150	115	361.2	830	83
205.4	1460	146	263	1140	114	365.6	820	82
206.8	1450	145	265.3	1130	113	370.2	810	81
208.2	1440	144	267.7	1120	112	374.8	800	80
209.7	1430	143	270.1	1110	111	379.5	790	79
211.1	1420	142	272.6	1100	110	384.4	780	78
212.6	1410	141	275.1	1090	109	389.4	770	77
214.2	1400	140	277.6	1080	108	394.5	760	76
215.7	1390	139	280.2	1070	107	399.8	750	75
217.3	1380	138	282.8	1060	106	405.2	740	74
218.8	1370	137	285.5	1050	105	410.7	730	73
220.4	1360	136	288.3	1040	104	416.4	720	72
222.1	1350	135	291.1	1030	103	422.3	710	71
223.7	1340	134	293.9	1020	102	428.3	700	70
225.4	1330	133	296.9	1010	101	434.5	690	69
227.1	1320	132	299.8	1000	100	440.9	680	68
228.9	1310	131	302.8	990	99	447.5	670	67
230.6	1300	130	303.9	980	98	454.3	660	66
232.4	1290	129	309.1	970	97	461.3	650	65
234.2	1280	128	312.3	960	96	468.5	640	64
236.1	1270	127	315.6	950	95	475.9	630	63
238	1260	126	319	940	94	483.6	620	62
239.9	1250	125	322.4	930	93	491.5	610	61
241.8	1240	124	325.9	920	92	499.7	600	60
243.8	1230	123	329.5	910	91	508.2	590	59
245.8	1220	122	333.1	900	90	516.9	580	58
247.8	1210	121	336.9	890	89	526	570	57
249.9	1200	120	340.7	880	88	535.4	560	56
252	1190	119	344.6	870	87	545.1	550	55

MONDAY Programs *Aug. 19, 1929*



Harry McKnight
KFRC—8 p.m.



Lloyd Knight
KFRC—8 p.m.



Del Raymond
KJBS—2 p.m.



Abe Bloom
KFRC—7 p.m.

379.5 Meters **KGO** **Channel 79**
790 Kcys. **10,000 Watts**
General Electric Co., Oakland, California

9:30 to 10:30 a.m.—California Home Life
10:30 to 11:30 a.m.—Woman's Magazine, NBC
11:30 to 1 p.m.—Rembrandt Trio
2 to 2:30 p.m.—Mormon Tabernacle program, NBC
4 to 4:30 p.m.—Aunt Betty, Kiddies' Klub
4:30 to 5 p.m.—Stocks; S. F. produce, daily bulletins and news
5 to 5:30 p.m.—Edison Recorders, NBC
5:30 to 6 p.m.—General Motors, NBC
6 to 6:30 p.m.—"Let Us Join the Ladies," NBC
6:30 to 7 p.m.—Floyd Gibbons, Headline Hunter, NBC
7 to 8 p.m.—Bem's Little Symphony
8 to 9 p.m.—Seiger's Shell Symphonists, NBC
9 to 9:30 p.m.—The Voice of Firestone, NBC
9:30 to 10:30 p.m.—General Electric program
10:30 to 10:45 p.m.—Alaskan news
10:45 to 11:45 p.m.—Henry Halstead's Hotel St. Francis Dance Orchestra

468.5 Meters **KFI** **Channel 64**
640 Kcys. **5000 Watts**
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7 a.m.—S. & W. morning exercise, KPO
8 a.m.—Shell Happy Time from KPO
9 a.m.—Sadye Nathan
9:15 a.m.—Bess Kilmer's Hints to Housewives
11 a.m.—Woman's Magazine, NBC
11:30 a.m.—Ivar
12 noon—Dept. of Agriculture talks
12:15 p.m.—Market reports
2 p.m.—Leon Archer
2:15 p.m.—Winnie Fields Moore
2:30 p.m.—Wilfred Butterworth, tenor; Gwendolyn Morse, pianist
3 p.m.—Shirley Reid, ballads; Tom Mossman, pianist; Eddie Armstrong, ballads; Ruby Berry, blues
4 p.m.—Hugo Escobar, Spanish lesson
4:30 p.m.—Big Brother
5 p.m.—Edison program, NBC
5:30 p.m.—General Motors Family Party, NBC
7 p.m.—Studio program
8 p.m.—Shell program, NBC
9 p.m.—Voice of Firestone, NBC
10 p.m.—Packard Concert Orchestra

243.8 Meters **KYA** **Channel 123**
1230 Kcys. **1000 Watts**
Pacific Broadcasting Corp., San Francisco

8 to 9 a.m.—Early Morning Serenaders, ABC
9 to 9:30 a.m.—Better Homes Hour, ABC
9:30 to 10 a.m.—Novelty program and devotional services, ABC
10 to 11 a.m.—American Popular Orch., ABC
11 to 12 noon—Olympic Rangers, with Anthony Euwer, ABC
12 to 12:15 p.m.—News items
12:15 to 12:30 p.m.—Vignette Moderne, ABC
12:30 to 1:30 p.m.—American Salon Orch., ABC
1:30 to 2 p.m.—Song recital, ABC
2 to 3 p.m.—Wood 'n' Strings and Anthony Euwer, ABC
3 to 4 p.m.—The Euterpeans, ABC
4 to 4:45 p.m.—Olympic Rangers, ABC
4:45 to 5 p.m.—News items
5 to 6 p.m.—Rhythm Aces; Mary Atkinson, soloist
6 to 6:30 p.m.—"Terpsichore," ABC
6:30 to 7 p.m.—"Traumerel," ABC
7 to 7:15 p.m.—Cecil and Sally, ABC
7:15 to 8 p.m.—Harmonyland, ABC
8 to 9 p.m.—Musical Gems, ABC
9 to 9:30 p.m.—Metro and Cosmo, with John and Ned, ABC
9:30 to 10 p.m.—Pacific String Quartet, ABC
10 to 11 p.m.—Hour on Broadway, ABC
11 to 12 midnight—Rhythm Aces, ABC

361.2 Meters **KOA** **Channel 83**
830 Kcys. **12,500 Watts**
General Electric Co., Denver, Colorado

5 to 5:30 p.m.—Edison program, NBC
5:30 to 6 p.m.—General Motors Family Party, NBC
6 to 6:30 p.m.—Let Us Join the Ladies, NBC
6:30 to 7 p.m.—Hunting the Headlines, NBC
7 to 7:15 p.m.—Pepsodent program, NBC
7:15 to 8:15 p.m.—General Electric Hour, featuring Denver Concert Orchestra and General Electric Male Quartet
8:15 to 8:20 p.m.—Financial Independence
8:20 to 8:50 p.m.—Garden Theater Players in the musical melodrama, "The City Slicker"
8:50 to 9 p.m.—News of the World
9 to 9:30 p.m.—The Voice of Firestone, NBC
9:30 to 10 p.m.—Plantation Echoes, NBC
10 to 11 p.m.—Slumber Hour, NBC

MONDAY Programs

ABC

American Broadcasting Company

A—KJR, KEX, KGA, KYA, KDYL, KLZ
 B—KJR, KEX, KGA, KYA, KMTR, KDYL, KLZ
 C—KJR, KEX, KGA, KYA, KMTR
 D—KJR, KEX, KGA
 E—KJR, KEX, KGA, KDYL, KLZ, KMTR

8 to 9 a.m.—Early Morning Serenaders—B
 9 to 9:30 a.m.—Better Homes program—B
 9:30 to 9:45 a.m.—Novelty program—C
 9:45 to 10 a.m.—Devotional service; Rev. W. P. Roberts; Hallie F. Staude, soloist—C
 10 to 11 a.m.—American Popular Orchest.—B
 11 to 12 noon—Warren Anderson's Olympic Rangers and Anthony Euwer—B
 12 to 12:15 p.m.—World in Review—E
 12:15 to 12:30 p.m.—Vignette's Modernes—B
 12:30 to 1:30 p.m.—American Salon Orchest.; F. Longo, director; Perdin Korsmo, soloist—B
 1:30 to 2 p.m.—Song recital; Ve Ono Socolofsky and Nathan Stewart—B
 2 to 3 p.m.—Wood 'n' Strings and Anthony Euwer—B
 3 to 4 p.m.—Euterpeans; Agatha Turley and Hayden Morris, soloists—B
 4 to 5 p.m.—Olympic Rangers—B
 6 to 6:30 p.m.—"Realm of Terpsichore"—C plus KFBK
 6:30 to 7 p.m.—"Traumerel," musical interpretation of famous poems, with the Pacific Salon Orchestra, directed by Liborius Hauptmann; arrangements by Earl C. Sharp—C plus KFBK
 7 to 7:15 p.m.—Cecil and Sally in "The Funniest Things"—C plus KFBK
 7:15 to 8 p.m.—Harmony Land, directed by F. Sardam—C plus KFBK
 8 to 9 p.m.—Musical Gems, Pacific Salon Orchestra, directed by Liborius Hauptmann; Claire Upshur, Nellie Wien, Dorothy Lewis, soloists—C plus KFBK
 9 to 9:30 p.m.—John and Ned, "The Twins," and Metro and Cosmo—B plus KFBK
 9:30 to 10 p.m.—String quartet—B plus KFBK
 10 to 11 p.m.—Hour on Broadway, presenting tabloids from musical shows—B plus KFBK
 11 to 12 p.m.—Georgie Stoll's Rhythm Aces—B

322.4 Meters
930 Kcys.

KFWI

Channel 93
500 Watts

Radio Entertainments, San Francisco, Calif.

7 to 8 a.m.—Health exercises
 8 to 10 a.m.—Recordings
 10 to 10:30 a.m.—Charlie Glenn, "Songs of Yesterday"
 10:30 to 10:50 a.m.—Dr. T. G. Linebarger
 10:50 to 11 a.m.—News items, police reports
 11 to 12 noon—Recordings
 12 to 1 p.m.—Francis Bonner, violin; Beatrice St. John, piano; Mary Boehm, cello
 1 to 1:30 p.m.—Cal King's Country Store
 1:30 to 2 p.m.—Recordings and announcements
 2 to 2:30 p.m.—"Pal of the Air"
 6 to 6:30 p.m.—Ellen Winsor, pianist, and accompanist; Pearl May Poore, soprano; Arthur Francis Bergner, baritone
 6:30 to 7 p.m.—Peck and Judah
 8:30 to 9 p.m.—Mystery Tenor; Harriet Lewis, accompanist
 9 to 10 p.m.—Featuring Marie Garcia, lyric soprano; assisting artists
 10 to 11 p.m.—Special Harbor Day program

545.1 Meters
550 Kcys.

KTAB

Channel 55
500 Watts

Pickwick Broadcasting Co., Oakland, Calif.

7 to 8 a.m.—Rastus and Sambo
 8 to 9 a.m.—Recordings
 9 to 9:30 a.m.—Morning prayer
 9:30 to 10:30 a.m.—Records
 10:30 to 11 a.m.—Dr. Corley
 11 to 12 noon—Chasing the Blues
 12 to 1 p.m.—Sterling Cosmopolitans
 1 to 1:30 p.m.—Chapel of the Chimes
 1:30 to 2 p.m.—Recordings
 2 to 3 p.m.—Organ recital
 3 to 4 p.m.—Matinee Melodists
 4 to 5 p.m.—Home Towners
 5 to 6 p.m.—Brother Bob's Frolic
 6 to 6:30 p.m.—Barney Lewis
 6:30 to 7 p.m.—Twilight Hour
 7 to 7:15 p.m.—Sports
 7:15 to 7:30 p.m.—Resort news
 7:30 to 8 p.m.—Studio program
 8 to 8:30 p.m.—Palo Alto program
 8:30 to 9 p.m.—Arthur Shaw, organ recital
 9 to 10 p.m.—Pickwick Symphonette with Lou Gordon, tenor, and Jane Sargent Sands, piano
 10 to 11 p.m.—Estelle Moran, pianist; Carl Tobin, tenor balladist; Al Ryan, baritone
 11 to 1 a.m.—Nite Owls

280.2 Meters
1070 Kcys.

KJBS

Channel 107
100 Watts

J. Brunton & Sons, San Francisco, Calif.

7 to 8 a.m.—Early Bird Hour
 8 to 9 a.m.—Popular records
 9 to 10 a.m.—Vocal and instrumental
 10 to 11 a.m.—Concert records
 11 to 1:45 p.m.—Variety program
 1:45 to 2 p.m.—Dr. Wiseman, health talk
 2 to 3 p.m.—Radio Show program from Auditorium; Dell Raymond, Harry Miles, June Franklin, Ray O'Donnell and Dell Perry
 3 to 4 p.m.—Radio Show program, Hot-N-Kold Radio Rodeo, with Eddie Holden
 4 to 4:30 p.m.—Popular recordings
 4:30 to 5 p.m.—Al Sather, Grace Claire, and June Douglas in "Songs of the Moment"
 5 to 6:45 p.m.—Record varieties

285.5 Meters
1050 Kcys.

KNX

Channel 105
5000 Watts

L. A. Evening Express, Los Angeles, Calif.

6:45 to 8 a.m.—Exercises
 8 to 8:15 a.m.—Record program
 8:40 to 8:55 a.m.—Bellico talk
 9:30 to 10 a.m.—Radio shopping news
 10 to 10:30 a.m.—Town Crier of the Day
 10:30 to 11 a.m.—Household Economics
 11 to 11:30 a.m.—Beauty talk
 11:30 to 12 noon—So-A-Tone broadcast
 12 to 12:30 p.m.—Musical program
 12:30 to 12:45 p.m.—Alder travelogue
 1:30 to 2 p.m.—The Bookworm
 2 to 2:30 p.m.—Records and announcements
 3:30 to 4 p.m.—Clark's Blue Monday frolic
 4 to 4:15 p.m.—Lost and found; stock reports
 4:30 to 5 p.m.—C. P. R.'s musical program
 5:15 to 5:45 p.m.—Chet Mitterdorf
 5:45 to 6 p.m.—Timely amusement tips
 6 to 6:30 p.m.—Organ program
 6:30 to 7 p.m.—KNX Concert Orchestra
 7 to 7:30 p.m.—KNX feature artists
 7:30 to 8 p.m.—One-act play
 8 to 9 p.m.—Paramount hour, presenting famous personalities of the screen, Paramount Orchestra, etc.
 9 to 10 p.m.—KNX feature artists
 10 to 12 midnight—Jackie Taylor and his Coconut Grove Orchestra
 12 to 1 a.m.—The Dorado Club dance hour

MONDAY Programs

NBC

National Broadcasting Company

10:30 to 11:30 a.m.—“Woman’s Magazine of the Air”

Household hints, organ solos and impromptu skits are promised housewives this morning.

Helen Webster will be at the microphone for the initial portion of the program, giving suggestions for lightening housework. Elmer Crowhurst, organist, will present a group of request numbers and the hour will conclude with humorous dialogue or skits in which Miss Webster, Ann Holden, Bennie Walker and others may participate.

Broadcast through KHQ, KGW, KGO and KPO for the entire hour and through KOMO from 10:45 to 11:30 a.m.

2 to 2:30 p.m.—Mormon Tabernacle program

Anthony C. Lund will direct the choir and Tracy Y. Cannon will play the great organ during the program. “They That Sow in Tears,” will be the initial choir selection, followed by Cannon’s first solo, “Communion in G,” by Edward Batiste.

Mendelssohn’s “Behold, the Lord God Pas-seth By” brings the half hour to a stirring, close as the massed chorus of 300 voices sings it.

Broadcast through KOMO, KGO and KPO.

5 to 5:30 p.m.—Edison program

Another Edison program in the series dedi-cated to “favorite music of famous people” will be broadcast through KHQ, KOMO, KGW, KGO, KPO and KFI.

5:30 to 6 p.m.—General Motors Family Party

Two piano duets will be featured in a sym-phony concert directed by Eugene Ormandy, noted theater conductor.

The famous and grotesque “Danse Mac-cabre” of Camille Saint-Saens and a selec-tion from the Arensky Suite for Two Pianos will be played by a piano team. During the hour a string quartet will offer an old Eng-lish air arranged by Frank Bridge, “Sally in Our Ally.” Orchestral contributions include four Russian numbers by Moszkowski, Tchaikovsky, Moussorgsky and Ippolitov-Iva-nov.

Broadcast through KHQ, KOMO, KGW, KGO, KPO and KFI.

6 to 6:30 p.m.—“Let Us Join the Ladies”

Vida Ravenscroft Sutton will be mistress of ceremonies in a romantic, summery pro-gram featuring “Broken Idol” and Deppen’s “Chinese Fantasy,” played by Muriel Pol-lock, piano soloist. Friml’s “Dance of the Maidens,” interpreted by the Parnassus Trio under the direction of Olga Serliss, suggests visions of pastoral scenes.

Welcome Lewis, blues singer, will offer a current popular song, “Where Are You, Dream Girl?” assisted by Miss Pollock at the piano. Carnevali’s “Come, Love, With Me” will be Gilda Erstinn’s soprano solo, accom-panied by the Parnassus Trio.

Broadcast through KOMO, KGW, KGO and KPO.

6:30 to 7 p.m.—Floyd Gibbons, Headline Hunter

In his graphic style Floyd Gibbons will nar-rate another of his personal experiences as a war correspondent during a coast-to-coast broadcast through KOMO, KGW, KGO and KPO.

7 to 8 p.m.—In Danceland

An orchestra conducted by Joseph Hornik, with Henry Starr as intermission soloist, will present the newest tunes for those who dance to radio music.

Broadcast through KHQ, KOMO (7:30 to 8 p.m.) and KGW.

8 to 9 p.m.—Rudy Seiger’s Shell Symphonists

Music composed almost three decades ago and rarely heard over the air will mark the beginning of the program by Rudy Seiger’s Shell Symphonists.

Selections from “Adrienne Lecouvrier,” an opera written by Francesco Cilea, an Italian composer, head the list of numbers to be played during the hour.

Complete details follow:

Orchestra—

Selections—“Adrienne Lecouvrier”.....Cilea
La Faute des Roses.....Berger
Amour CoquetteFriml
Fairy TalesKomzak
Selections—“Martha”Flotow
At PartingRogers
Hungarian DancesBrahms
Three Lyric Sketches.....Grieg
Arabian NightMildenberg
Selections—“Mlle. Napoleon”.....Luders
Broadcast through KHQ, KOMO, KGW,
KGO, KPO and KFI.

9 to 9:30 p.m.—Voice of Firestone

“La Reve,” from Massenet’s opera “Manon” will be featured as a tenor solo by Easton Kent. Marian Gilbert, contralto, sings “Am I a Passing Fancy?” by Silver, and “My Dear,” the latter with special guitar accom-paniment.

Instrumental highlights by the orchestra under the direction of Max Dolin include a colorful Spanish tone picture from Massenet’s ballet “Le Cid” and Chaminade’s delightful composition “Pierrette.” The Firestone Chor-isters, directed by Mynard Jones, will be heard in the famous English song, “Sweet Genevieve,” and the popular “In the Land of Make Believe.”

Broadcast through KHQ, KOMO, KGW, KGO, KPO, KFI, KSL and KOA.

9:30 to 10 p.m.—Plantation Echoes

Instrumental and vocal music will be offered for the diversion of the radio audience as the Judge calls upon his guests for contributions to the evening’s entertainment. Among those who will respond will be Ethel Wakefield, Clarence Hayes, Johnny O’Brien, the South-ern Harmony Four, Bobbe Deane and Georgia Simmons. Sylvano Dale will offer a novelty tap dance.

Broadcast through KSL and KOA.

10 to 11 p.m.—Slumber Hour

Kreisler’s beautiful Venese waltz, “The Old Refrain,” opens an hour of slumber mu-sic presented by the orchestra under the di-rection of Max Dolin and broadcast through KSL and KOA.

265.3 Meters
1130 Kcys.

KSL

Channel 113
5000 Watts

Radio Service Corp., Salt Lake City, Utah

5 p.m.—Edison program, NBC

5:30 p.m.—Family Party, NBC

6:30 p.m.—Floyd Gibbons, NBC

7 p.m.—P. Melvin Peterson, baritone

7:30 p.m.—Golf lessons, Tom McHugh

7:45 p.m.—Hawaiian Duo

8 p.m.—The Jewel Box

8:30 p.m.—Variety program, featuring sax and

banjo duo, popular harmony team

9 p.m.—The Voice of Firestone, NBC

9:30 p.m.—Plantation Echoes, NBC

10 p.m.—Slumber Hour, NBC

MONDAY Programs

440.9 Meters **KPO** **Channel 68**
680 Kcys. **5000 Watts**

Hale Bros. & The Chronicle, San Francisco

7 to 8 a.m.—S & W health exercises by Hugh Barrett Dobbs and William H. Hancock
8 to 9 a.m.—Shell Happy Time by Hugh Barrett Dobbs and William H. Hancock
9:30 to 10 a.m.—Dobbs's Daily Chat

10 to 10:15 a.m.—Art talk by Helen Barker
10:30 to 11:30 a.m.—Magazine of the Air, NBC
12 to 12:05 p.m.—Time signals, Scripture reading and announcements

12:05 to 1 p.m.—Aeolian Trio

1 to 1:30 p.m.—Shopping Hour, Jerry Jermaine

1:30 to 2 p.m.—Ann Warner's Home Chats

2 to 2:30 p.m.—Mormon Tabernacle Choir, NBC

2:30 to 3:15 p.m.—Aeolian Trio

3:15 to 3:30 p.m.—Bank of America; stock quotations; Kozak Radiograms; Missing People

3:30 to 3:45 p.m.—Dept. of Commerce talk

3:45 to 4 p.m.—Cal. Dev. Ass'n talk

4 to 4:50 p.m.—Children's Hour

4:50 to 5 p.m.—Baseball scores

5 to 5:30 p.m.—Edison program, NBC

5:30 to 6 p.m.—General Motors program, NBC

6 to 6:30 p.m.—Let Us Join the Ladies, NBC

6:30 to 7 p.m.—Floyd Gibbons, NBC

7 to 8 p.m.—Daily Reelogue

8 to 9 p.m.—Shell Symphonists, NBC

9 to 9:30 p.m.—Voice of Firestone, NBC

9:30 to 10 p.m.—Tommy Monroe and Bob Allen

10 to 11 p.m.—KPO Revue

11 to 11:02 p.m.—Kozak Radiogram

11:02 to 12 midnight—KPO Revue

483.6 Meters **KGW** **Channel 62**
620 Kcys. **1000 Watts**

The Morning Oregonian, Portland, Oregon

7:45 to 8 a.m.—Devotional services

8 to 9 a.m.—Shell Happy Time

9 to 9:20 a.m.—Oregonian Cooking School

9:20 to 10:30 a.m.—The Town Crier

10:30 to 11:30 a.m.—Woman's Magazine, NBC

5 to 5:30 p.m.—Thomas A. Edison, NBC

5:30 to 6 p.m.—General Motors, NBC

6 to 6:30 p.m.—"Let us Join the Ladies," NBC

6:30 to 7 p.m.—Floyd Gibbons, NBC

7 to 8 p.m.—Night in Danceland, NBC

8 to 9 p.m.—Seiger's Shell Symphonists, NBC

9 to 9:30 p.m.—Firestone program, NBC

9:30 to 10 p.m.—Drama

10 to 11 p.m.—Ben Selling's Boys and Collegiates

11 to 12 midnight—Organ recital

296.6 Meters **KQW** **Channel 101**
1010 Kcys. **500 Watts**

First Baptist Church, San Jose, California

10 to 11 a.m.—Helpful Hour

11 to 12 noon—Santa Cruz program

12 to 12:30 p.m.—Musical program

12:30 to 1 p.m.—Market reports, weather

1 to 1:30 p.m.—Hart's Happy Half Hour

1:30 to 2:30 p.m.—The Friendly Hour

2:30 to 3:30 p.m.—Musical program

5 to 5:30 p.m.—Children's program

5:30 to 5:45 p.m.—Musical program

5:45 to 6 p.m.—Frigidaire program

6 to 6:10 p.m.—U. S. D. A. farm flashes

6:10 to 6:30 p.m.—Crop Digest

6:30 to 6:50 p.m.—Weather, market reports

6:50 to 7 p.m.—Farmers' Exchange

7 to 8 p.m.—Farm Bureau Radio News

9 to 9:30 p.m.—Los Gatos program

340.7 Meters **KLX** **Channel 88**
880 Kcys. **500 Watts**

Tribune Publishing Co., Oakland, Calif.

7 to 8 a.m.—Exercises; stock reports

8 to 9 a.m.—Jean Kent

9 to 9:30 a.m.—Modern Homes period

9:30 to 10:15 a.m.—Recordings

10:15 to 10:30 a.m.—Opening stocks, weather

10:30 to 10:50 a.m.—Records

10:50 to 11 a.m.—Belco talk

11 to 12 noon—Classified Adv. Hour

12 to 1 p.m.—Machado's KLX Hawaiians

1 to 2 p.m.—Jean's Hi-Lights

2 to 2:30 p.m.—Recordings

2:30 to 3:30 p.m.—Opportunity Hour

3:30 to 5 p.m.—Recordings

5 to 5:30 p.m.—Brother Bob

5:30 to 6 p.m.—Cressy Ferra, pianist

6 p.m.—Curtain Calls

6 to 7 p.m.—Hotel Oakland Concert Trio

7 to 7:30 p.m.—News broadcast

7:30 to 8 p.m.—Edna Fisher

8 to 9 p.m.—Amati quartet

9 to 10 p.m.—Helen Wegman Parmelee, pianist; Edith Fern Newcomb, contralto, and Henry Sheffo, basso

239.9 Meters **KFOX** **Channel 125**
1250 Kcys. **1000 Watts**

Nichols & Warinner, Long Beach, Calif.

5 to 7 a.m.—Remote control, KGFJ

7 to 7:30 a.m.—Hello Everybody

7:30 to 8:15 a.m.—News items, records

8:15 to 8:45 a.m.—Bright and Early Hour

8:45 to 9:20 a.m.—Novelty program

9:20 to 9:30 a.m.—Organ recital

9:30 to 9:50 a.m.—Hawaiian program

9:50 to 11 a.m.—Novelty songs; organ

11 to 11:10 a.m.—Beauty talk

11:10 to 12 noon—Varsity Boys; Heini Dorner; news

12 to 3 p.m.—Health talk, records

3 to 3:30 p.m.—Organ recital, Roy L. Medcalfe

3:30 to 4:20 p.m.—Recordings; news

4:20 to 5 p.m.—Varsity Boys

5 to 5:30 p.m.—Organ recital, Roy L. Medcalfe

5:30 to 6 p.m.—Studio orchestra

6 to 6:05 p.m.—Lost and Found Department

6:05 to 6:30 p.m.—Studio orchestra

6:30 to 7 p.m.—Originality Girls

7 to 8 p.m.—Suydam's Buttercream School

8 to 9 p.m.—Motor Tires Quartet

9 to 9:30 p.m.—Cinderella Roof Garden Orch.

9:30 to 10 p.m.—Majestic Ballroom

10 to 10:30 p.m.—El Patio Ballroom

10:30 to 11 p.m.—Charlie Joslyn's orchestra

11 to 1 a.m.—Dorado Club, Four Red Coats

315.6 Meters **KFWB** **Channel 95**
950 Kcys. **1000 Watts**

Warner Brothers, Hollywood, California

9 a.m.—Happy Hour with Sylvia and Al

10 a.m.—Harmony Hour

11:15 a.m.—Louise Sullivan's trio

12:30 p.m.—Musical program

12:45 p.m.—Air Journal

2:10 p.m.—Pac. Elec. Art, old-time songs

4:30 p.m.—Radio Travel Tales

6:20 p.m.—Musical program

6:30 p.m.—Harry Jackson's entertainers

7 p.m.—507 Boys

7:30 p.m.—Jean Leonard, Wizard of the Ivories

7:45 p.m.—Daily news

8 p.m.—Frederick Bittke, baritone; concert orchestra

9 p.m.—Don Warner's orchestra; Ann Grey and Buster Dees, soloists

10 p.m.—Irving Aaronson and his Commanders

11 to 12 midnight—Prof. Moore's orchestra

MONDAY Programs

491.5 Meters **KFRC** **Channel 61**
610 Kcys. **1000 Watts**
 Don Lee, Inc., San Francisco, Calif.

7 to 8 a.m.—Simpy Fitts from Seal Rocks
 7:30 a.m.—New York Stock Exchange
 8:30 to 9 a.m.—Alarm Clock, featuring the two girls, Dot and Mary
 9 to 9:30 a.m.—Georgia O. George
 10 to 11 a.m.—Wyn's Daily Chats
 11 to 11:30 a.m.—Domestic Science talk
 11:30 to 11:45 a.m.—Raladam program
 11:45 to 12 noon—Amateur auditions
 12 to 1 p.m.—Sherman-Clay noonday concert
 1 to 1:30 p.m.—Lelgh Harline, organist
 1:30 to 2 p.m.—Charlie Wellman
 3 to 3:15 p.m.—Western Air Express aviation talk
 3:15 to 3:30 p.m.—U. of C. Med. Dept. talk
 3:30 to 3:35 p.m.—Something About Everything
 3:35 to 4 p.m.—News bulletins, lost and found
 4 to 4:55 p.m.—Allman's Surprise Package
 4:55 to 5 p.m.—Town Topics
 5 to 5:30 p.m.—Storyman and his Aircastle
 5:30 to 6 p.m.—Hank Howe and his music
 6 to 6:30 p.m.—Orchestra and soloists
 6:30 to 6:45 p.m.—George P. Edwards
 6:45 to 7 p.m.—Captain Vacation
 7 to 7:30 p.m.—Program featuring Abe Bloom, the Three Blackbirds, Alice Blue and Virginia Spencer in two-piano numbers from Pacific Radio Show
 7:30 to 8 p.m.—Lincoln Finance program, featuring the Cecilians, Paul Carson, pianist, and Juliet Dunn, soprano, broadcast from Pacific Radio Show
 8 to 10 p.m.—Blue Monday Jamboree, broadcast from Pacific Radio Show
 10 to 11 p.m.—Anson Weeks' Hotel Mark Hopkins Orchestra
 11 to 12 midnight—"Bus" McClelland, Mickey Gillette and Abe Bloom
 12 to 1 p.m.—Dorado Club Silver Fizz Dance music

508.2 Meters **KHQ** **Channel 59**
590 Kcys. **1000 Watts**
 Louis Wasmer, Inc., Spokane, Washington

7 to 7:30 a.m.—Sunrise Pep Period
 7:30 to 8 a.m.—Model Musical Klock
 8 to 9 a.m.—Shell Happy Time
 9 to 10 a.m.—Musical Bazaar
 10 to 10:30 a.m.—Sunshine Liberty organ
 10:30 to 11:30 a.m.—Woman's Magazine, NBC
 11:30 to 12 noon—Farmers' Service Hour
 12 to 12:15 p.m.—Luncheon program
 12:15 to 12:30 p.m.—Jones Musical Headlines
 12:30 to 1 p.m.—Musical program
 1 to 1:30 p.m.—Copeland Musical Review
 1:30 to 1:45 p.m.—Modern Shops a la Mode
 1:45 to 2 p.m.—Fur Facts
 2 to 3 p.m.—Washington Home Service
 3 to 3:30 p.m.—Theatrical Preview
 3:30 to 4 p.m.—"Paint o' Mine" period
 4 to 5 p.m.—Triodian String Ensemble
 5 to 5:30 p.m.—Thomas A. Edison, NBC
 5:30 to 6 p.m.—General Motors Party, NBC
 6 to 7 p.m.—Davenport Hotel Orchestra
 7 to 8 p.m.—In Danceland, NBC
 8 to 9 p.m.—Selger's Shell Symphonists, NBC
 9 to 9:30 p.m.—Voice of Firestone, NBC
 9:30 to 10 p.m.—Brunswick Brevities
 10 to 10:30 p.m.—Studio program
 10:30 to 11:30 p.m.—Triodian String Ensemble
 11:30 to 12:30 a.m.—Organ recital

333.1 Meters **KHJ** **Channel 90**
900 Kcys. **1000 Watts**
 Don Lee, Inc., Los Angeles, California

7 to 7:30 a.m.—Physical culture period
 7:30 to 8:30 a.m.—Recordings
 8:30 to 9 a.m.—"Alarm Clock"
 9 to 9:30 a.m.—Breakfast Nook Philosophy
 10 to 11 a.m.—Agnes White, "At Our House"
 11 to 11:30 a.m.—Recordings
 11:30 to 12 noon—Bob Swan and Gene Byrnes
 12 to 12:30 p.m.—Biltmore Concert Orchestra
 12:30 to 12:45 p.m.—World-wide News
 12:45 to 1:30 p.m.—Leigh Harline, organist
 1:30 to 2 p.m.—Charlie Wellman's requests
 2 to 2:30 p.m.—Elvia Allman, short stories
 2:30 to 3 p.m.—KHJ soloists
 3 to 3:15 p.m.—Western Air Express
 3:15 to 3:30 p.m.—Recordings
 3:30 to 3:45 p.m.—M. Murray, "Home Problems"
 3:45 to 4 p.m.—Spanish lesson, Mrs. Doherty
 4 to 5 p.m.—Allman's "Surprise Package"
 5 to 5:30 p.m.—The Story Man
 5:30 to 6 p.m.—Hank Howe's dance band
 6 to 6:45 p.m.—Pelton Motor program
 6:45 to 7 p.m.—World-wide News
 7 to 7:30 p.m.—Inglewood Park program
 7:30 to 8 p.m.—Silverwood's program
 8 to 10 p.m.—Jamboree program, KFRC
 10 to 11 p.m.—Mark Hopkins Hotel Dance Orchestra
 11 to 12 midnight—Earl Burtnett's Biltmore Hotel Dance Orchestra and Trio
 12 to 1 a.m.—Wesley Tourtellotte, organist

422.3 Meters **KFVD** **Channel 71**
710 Kcys. **250 Watts**
 Auburn Fuller, Culver City, Calif.

7 a.m.—Hal Roach Happy-Go-Lucky Trio
 9 a.m.—KFVD Travelogue
 10 a.m.—Popular program
 11:30 a.m.—Carey Preston Rittmeister
 12 noon—Tom Brenneman
 12:30 p.m.—Tom and Wash
 1:15 p.m.—Hal Roach Comedy Gossip
 2 p.m.—Bess Kilmer's Hints to Housewives
 3 p.m.—Auburn Concert Orchestra
 4 p.m.—Eldorado program
 5:45 p.m.—Timely topics
 8 p.m.—De Witt Hagar's program
 8:30 p.m.—Good Humor Orchestra
 9 p.m.—Auburn Orchestra
 10 p.m.—KFVD Orchestra
 11 to 1 a.m.—Sebastian's Cotton Club Orch.

230.6 Meters **KTBI** **Channel 130**
1300 Kcys. **1000 Watts**
 Bible Institute of Los Angeles, California

8 to 8:15 a.m.—Uncle Harry's Bible story
 9:15 to 9:45 a.m.—Radio Bible course
 9:45 to 10:35 a.m.—Home Folks' Request Hour
 10:35 to 11:30 a.m.—Lecture
 11:30 to 12 noon—Alma K. Moss, contralto
 12 to 12:15 p.m.—Chimes and Scripture reading
 7 to 8 p.m.—Ray Stone, Baritone
 8 to 9 p.m.—C. I. Schmidt Players
 9 to 10 p.m.—Studio musical program.

267.7 Meters **KMIC** **Channel 112**
1120 Kcys. **500 Watts**
 Dalton's, Inc., Inglewood, Calif.

5 p.m.—Request records
 6 p.m.—Marie Hockings, organ recital
 7 p.m.—Playgoers' Club, Wedgwood Nowell
 7:30 p.m.—Stove Poker Quartet
 8:30 p.m.—Dance band and Peggy Price
 9:30 p.m.—Classical Collegians
 10 p.m.—The Cinderella Roof Baalroom

TUESDAY Programs

Aug. 20, 1929



Elbert Bellows
KYA—3 p.m.



Rembrandt Trio
KGO—7 p.m.



Eddie Holden
KJBS—3 p.m.

545.1 Meters
550 Kcys.

KTAB

Channel 55
500 Watts

Pickwick Broadcasting Co., Oakland, Calif.

7 to 8 a.m.—Rastus and Sambo
8 to 9 a.m.—Recordings
9 to 9:30 a.m.—Morning prayer
9:30 to 10 a.m.—Dr. J. Douglas Thompson
10 to 10:30 a.m.—Cal King
10:30 to 11 a.m.—Dr. B. L. Corley
11 to 12 noon—Chasing the Blues
12 to 1 p.m.—Sterling Cosmopolitans
1 to 1:30 p.m.—Chapel of the Chimes
1:30 to 2 p.m.—Fanchon's Style Chat
2 to 3 p.m.—Arthur Shaw, organist, and Mabel Payne, soprano
3 to 4 p.m.—Recordings
4 to 5 p.m.—Home Towners
5 to 6 p.m.—Brother Bob's Frolic
6 to 6:30 p.m.—Barney Lewis
6:30 to 7 p.m.—Twilight Hour
7 to 7:20 p.m.—"Around the World by Radio," by Earle G. Linsley
7:20 to 7:30 p.m.—Records
7:30 to 8 p.m.—Earl Caldwell, Estelle Moran
8 to 8:30 p.m.—Palo Alto program
8:30 to 9:30 p.m.—Lullaby Lane; Joan Ray
9:30 to 10:30 p.m.—Pickwickians Dance Orch.
10:30 to 11 p.m.—Arthur Shaw, Octo Lindquist
11 to 1 a.m.—Nite Owls with Willard W. Kimball

483.6 Meters
620 Kcys.

KGW

Channel 62
1000 Watts

The Morning Oregonian, Portland, Oregon

7:45 to 8 a.m.—Devotional services
8 to 9 a.m.—Portland Breakfast Club
9 to 9:20 a.m.—Oregonian Cooking School
9:20 to 10:30 a.m.—The Town Crier
10:30 to 11:30 a.m.—Woman's Magazine, NBC
11:30 to 11:45 a.m.—Fels Naptha
1 to 2 p.m.—Musical entertainment
2 to 3 p.m.—Cabin Door, NBC
3 to 5 p.m.—Musical masterworks
5 to 6 p.m.—Organ recital
6 to 6:30 p.m.—Clicquot Club Eskimos, NBC
6:30 to 7 p.m.—Orchestraadians, NBC
7 to 8 p.m.—Hupmobile program
8 to 9 p.m.—Tales Never Told, NBC
9 to 9:30 p.m.—Parker Fellows, NBC
9:30 to 10:30 p.m.—Gold Shield program, KOMO
10:30 to 12 midnight—Dance music

340.7 Meters
880 Kcys.

KLX

Channel 88
500 Watts

Tribune Publishing Co., Oakland, Calif.

7 to 8 a.m.—Exercises; stock reports
8 to 9 a.m.—Jean Kent
9 to 9:30 a.m.—Modern Homes period
9:30 to 10:15 a.m.—Health questions answered
10:15 to 10:30 a.m.—Opening stocks, weather
10:30 to 11 a.m.—Recordings
11 to 12 noon—Classified Adv. Hour
12 to 1 p.m.—Machado's KLX Hawaiians
1 to 2 p.m.—Jean's Hi-Lights
2 to 2:30 p.m.—Recordings
2:30 to 4:30 p.m.—Baseball broadcast
4:30 to 5 p.m.—Organ recital, Chas. T. Besserer
5 to 5:30 p.m.—Brother Bob
5:30 to 6 p.m.—Cressy Ferra, pianist
6 to 7 p.m.—Hotel Oakland Concert Trio
7 to 7:30 a.m.—News broadcast
7:30 to 8 p.m.—Edna Fisher
8 to 9 p.m.—Lynn Pryor's dance orchestra
9 to 10 p.m.—Helen Parmelee, pianist; Jeanne Rabinowitz, soprano, and Fred Bounds, tenor
10 to 11 p.m.—Fleur-de-Lis Dance Orchestra

315.6 Meters
950 Kcys.

KFWB

Channel 95
1000 Watts

Warner Brothers, Hollywood, California

8 a.m.—Harry Q. Mills, organist
9 a.m.—Happy Hour with Sylvia and Al
10 a.m.—Harmony Hour
11:15 a.m.—Louise Sullivan's trio
12:30 p.m.—Musical program
12:45 p.m.—Air Journal
2:10 p.m.—Coast League baseball game
4:30 p.m.—Radio Varieties
6:20 p.m.—Musical program
6:30 p.m.—Harry Jackson's entertainers
7 p.m.—Hollywood Athletic Club
7:30 p.m.—Organ recital
7:50 p.m.—Daily news
8 p.m.—Hollywood String Quintet; Vernon Rickard, tenor
8:30 p.m.—A play adapted and presented by Herbert Heyes
9 p.m.—Edgeworth Club program
9:30 p.m.—Olympic Auditorium boxing bout
10:30 p.m.—Irving Aaronson and his Commanders
11:30 to 12:30 p.m.—Prof. Moore's orchestra

TUESDAY Programs

NBC

National Broadcasting Company

10:30 to 11:30 a.m.—Woman's Magazine of the Air

An authority on matters relating to domestic science, Miss Holden will offer housewives her newest ideas on the preparation of foods. She will be introduced by Bennie Walker, master of ceremonies, who will conduct the broadcast.

Broadcast through KHQ, KOMO, KGW, KGO, KPO and KFI.

2 to 3 p.m.—The Wanderers

"The Wanderers" are portrayed by Bert Horton and Sam Hayes. Other characters are brought into the cast from time to time with Tom and Dick always as the central figures. The continuity is written by H. C. Conette and the musical background for "The Wanderers" dialogue includes songs by Gail Taylor, soprano; Irving Kennedy, tenor, and John Teel, baritone.

Broadcast through KHQ, KOMO, KGW and KGO.

6 to 6:30 p.m.—Clicquot Club Eskimos

"President Hoover March," a special composition prepared by Director Harry Reser for the Clicquot Club Eskimos, will feature the broadcast.

A novelty number is the Eskimos' musical interpretation of what happens when a nickel depositor at a telephone gets a series of wrong numbers. Symphonic explanations of the incident thereto will also be played.

Broadcast through KHQ, KOMO, KGW, KGO, KPO and KFI.

6:30 to 7 p.m.—Freed Orchestradians

Guided by the baton of Phil Spitalny, the Freed Orchestradians will interpret a group of melodies in dance rhythm during a coast-to-coast broadcast through KHQ, KOMO, KGW, KGO, KPO and KFI.

7 to 7:30 p.m.—Neapolitan Nights

Giuseppe di Benedetto, tenor, heads the quartet known as the Neapolitan Singers, while Pasquale Rescigno directs the orchestra for the program. Other participants are the Paladino Mandolin Ensemble and Joe Biviano, accordionist

Broadcast through KOMO and KPO.

7:30 to 8 p.m.—"Hello, Mars!"

Calling out a joyous greeting to the distant planet, a group of artists in the NBC's New York studios will say "Hello, Mars!" tonight.

The half hour is designed for the amusement of dialers. It promises to be replete with humor, with musical effects employed to enhance the dialogue.

Broadcast through KOMO and KPO.

8 to 9 p.m.—Tales Never Told

Reading "between the lines" of four songs, Harry de Lasaux has dramatized the stories suggested by the lyrics. The brief dramas are enacted by National Players under the supervision of Ted Maxwell. A quartet of vocalists and Elmer Crowhurst, organist, supply the "theme" songs and incidental music.

Broadcast through KHQ, KOMO and KGW.

9 to 9:30 p.m.—The Parker Family

The Parker Duofold Orchestra, assisted by the vocal trio, will open the program with

"Cossack Love Song" from "Song of the Flame."

Selections from "The New Moon" and "Connecticut Yankee" are other orchestral highlights.

Lady Duofold Parker, a contralto, and Parker Duofold, Senior and Junior, a baritone and tenor, will contribute to the variety entertainment of the half hour. A second graphology discussion will be heard during the broadcasts.

Broadcast through KHQ, KOMO, KGW, KGO, KPO and KFI.

10 to 11 p.m.—The Spotlight Review

Comprising some of the most popular excerpts from programs broadcast, an orchestra playing under the direction of Charles Hart will contribute to the presentation, together with a group of vocal artists whose names will be revealed when the program goes on the air. In addition to the musical features, one or more dramatic sketches may be offered. Ted Maxwell prepared and directs the "Spotlight Review."

Broadcast through KHQ, KGW, KPO and KFI.

11 to 12 midnight—Musical Musketeers

Walter Beban, with his "talking saxophone," will direct the 14-piece band. Novelty interpolations have been arranged in addition by Charles Marshall, producer.

Broadcast through KHQ, KOMO, KGW, KGO and KPO.

**440.9 Meters
680 Kcys.**

KPO

**Channel 68
5000 Watts**

Hale Bros. & The Chronicle, San Francisco

7 to 8 a.m.—S & W health exercises by Hugh Barrett Dobbs and William H. Hancock

8 to 9 a.m.—The Shell Happy Time by Hugh Barrett Dobbs and William H. Hancock

9:30 to 10 a.m.—Dobbies's Daily Chat

10 a.m.—Bank of America of California

10:30 to 11:30 a.m.—Magazine of the Air, NBC

12 to 12:05 p.m.—Time signals, Scripture reading and announcements

12:05 to 1 p.m.—Aeolian Trio

1 to 1:30 p.m.—Jerry Jermaine for Hales

1:30 to 2 p.m.—Ann Warner's Home Chats

2 to 2:30 p.m.—House of Dreams, Paul Pitman

2:30 to 2:43 p.m.—Ye Towne Crier

2:43 to 2:45 p.m.—Kozak Radiogram

2:45 to 4:30 p.m.—Baseball broadcast

4:30 to 4:40 p.m.—Stock market quotations

4:40 to 5 p.m.—Theodore Strong, organist

5 to 6 p.m.—Children's Hour

6 to 6:30 p.m.—Clicquot Club Eskimos, NBC

6:30 to 7 p.m.—Orchestradians, NBC

7 to 7:30 p.m.—Neapolitan Nights, NBC

7:30 to 8 p.m.—Hello Mars, NBC

8 to 8:30 p.m.—Daily Reologue

8:30 to 9 p.m.—Gillette Safety Razor program, KPO and KFI

9 to 9:30 p.m.—The Parker Family, NBC

9:30 to 10 p.m.—Los Angeles Steamship Co., KPO and KFI

10 to 11 p.m.—Spotlight Revue, NBC

11 to 11:02 p.m.—Kozak Radiogram

11:02 to 12 midnight—Musketeers, NBC

**361.2 Meters
830 Kcys.**

KOA

**Channel 83
12,500 Watts**

General Electric Co., Denver, Colorado

5 to 5:30 p.m.—Brown Palace Hotel Orchestra

5:30 to 6 p.m.—Arcadians Mixed Quartet

6 to 6:30 p.m.—Clicquot Club Eskimos, NBC

6:30 to 7 p.m.—Freshman Orchestradians, NBC

7 to 8:15 p.m.—Denver Municipal Band

8:15 to 8:30 p.m.—News of the World

8:30 to 9 p.m.—Denver Municipal Band

TUESDAY Programs

243.8 Meters **KYA** **Channel 123**
1230 Kcys. **1000 Watts**

Pacific Broadcasting Corp., San Francisco
8 to 9 a.m.—Early Morning Serenaders, ABC
9 to 9:30 a.m.—Mary Cooke, better homes, ABC
9:30 to 9:45 a.m.—Novelty program, ABC
9:45 to 10 a.m.—Devotional service, ABC
10 to 10:30 a.m.—American Popular Orchestra, ABC
10:30 to 11 a.m.—Oregon City Boys, George Taylor and Clem Kennedy
11 to 11:45 noon—Olympic Rangers and Anthony Euwer
11:45 to 12 noon—Ala Maja
12 to 12:15 p.m.—News items
12:15 to 12:30 p.m.—Tuesday Noon Club
12:30 to 1:15 p.m.—American Ensemble, ABC
1:15 to 1:30 p.m.—Babette, fashion authority
1:30 to 2 p.m.—Dr. Stevenson Smith, ABC
2 to 2:45 p.m.—American Salon Orch., ABC
2:45 to 4:30 p.m.—Baseball for the Kelley Car Company
4:30 to 4:45 p.m.—Constance Piper, Hazel Warner and Mary Atkinson
4:45 to 5 p.m.—News items
5 to 6 p.m.—Paul Whiteman Hour, CBS
6 to 6:30 p.m.—Golden Gate Gypsy program, directed by Liborius Hauptmann, ABC
6:30 to 6:45 p.m.—Business Barometer, ABC
6:45 to 7 p.m.—Artistic Ensemble, ABC
7 to 8 p.m.—Show Boat, ABC
8 to 8:30 p.m.—August Outings, ABC
8:30 to 9 p.m.—Paul Bunyan
9 to 10 p.m.—Amer. Philharmonic Orch., ABC
10 to 10:30 p.m.—Enchanters' Quartet, ABC
10:30 to 11 p.m.—Celeste Sextet, ABC
11 to 12 midnight—Olympic Rangers

239.9 Meters **KFOX** **Channel 125**
1250 Kcys. **1000 Watts**

Nichols & Warinner, Long Beach, Calif.
5 to 7 a.m.—Remote control, KGFJ
7 to 7:30 a.m.—Hello Everybody
7:30 to 8:15 a.m.—News items, records
8:15 to 8:45 a.m.—Bright and Early Hour
8:45 to 11 a.m.—Novelties, organ
11 to 11:10 a.m.—Beauty talk, Mae Day
11:10 to 12 noon—Studio orchestra; news
12 to 1 p.m.—Hollywood Girls
1 to 1:30 p.m.—Kiwanis Club luncheon
1:30 to 2 p.m.—Originality Girls
2 to 2:15 p.m.—Health talk
2:15 to 2:30 p.m.—Doris and Clarence
2:30 to 3 p.m.—Long Beach Band
3 to 3:30 p.m.—Organ recital, Roy L. Medcalfe
3:30 to 4 p.m.—Long Beach Band
4 to 4:20 p.m.—Press-Telegram news
4:20 to 5 p.m.—Old-time dance music
5 to 5:30 p.m.—Organ recital
5:30 to 6 p.m.—Hollywood Girls
6 to 6:05 p.m.—Lost and Found Department
6:05 to 6:45 p.m.—Sunset Harmony Boys
6:45 to 7 p.m.—Dr. Williams
7 to 7:30 p.m.—Hollywood Girls and quartet
7:30 to 8 p.m.—Buster Wilson's orchestra
8 to 8:30 p.m.—Long Beach Band, under direction of Herbert L. Clarke
8:30 to 9 p.m.—Cecil Fry
9 to 9:30 p.m.—Cinderella Roof Garden Orch.
9:30 to 10 p.m.—Majestic Ballroom
10 to 10:30 p.m.—El Patio Ballroom
10:30 to 11 p.m.—Charlie Joslyn's orchestra
11 to 1 a.m.—Dorado Club, Four Red Coats

ABC

American Broadcasting Company

A—KJR, KEX, KGA, KYA, KDYL, KLZ
B—KJR, KEX, KGA, KYA, KMTR, KDYL, KLZ
C—KJR, KEX, KGA, KYA, KMTR
D—KJR, KEX, KGA
E—KJR, KEX, KGA, KDYL, KLZ, KMTR
8 to 9 a.m.—Early Morning Serenaders—C
9 to 9:30 a.m.—Better Homes program—C
9:30 to 9:45 a.m.—Novelty program—C
9:45 to 10 a.m.—Devotional service; Rev. W. P. Roberts; Perdin Korsmo, soloist—C
10 to 11 a.m.—American Popular Orchestra—C (KYA 10 to 10:30, KMTR at 10:30)
11 to 12 noon—Warren Anderson's Olympic Rangers and Anthony Euwer—B (KYA to 11:45)
12 to 12:15 p.m.—World in Review—E
12:15 to 12:30 p.m.—"America Meets the Orient," Dr. H. H. Gowen—E
12:30 to 1:30 p.m.—American Artistic Ensemble; Hallie F. Staude, soloist—B
1:30 to 2 p.m.—Dr. Stevenson Smith talks on "The Well-Trained Child"—B
2 to 3 p.m.—American Salon Orchestra; Francesco Longo, director; Sydney Dixon and Ve Ona Socolofsky, soloists—B (KYA to 2:45)
3 to 4 p.m.—Olympic Rangers—C less KYA
5 to 6 p.m.—Paul Whiteman-Old Gold Hour from Hollywood—B plus KFBK
6 to 6:30 p.m.—Damski's Neapolitans; Ve Ona Socolofsky, soloist—D
6 to 6:30 p.m.—Golden Gate Gypsy program; Liborius Hauptmann, director; mixed quartet—KYA, KMTR, KDYL, KLZ
6:30 to 6:45 p.m.—Business Barometer and Financial Horizon—B
6:45 to 7 p.m.—American Artistic Ensemble—B plus KFBK
7 to 8 p.m.—"Show Boat Frolic," variety program from the show boat "Queenie," arranged by Frank Sardam, directed by Albert Ottenheimer and featuring a large cast of artists—B plus KFBK
8 to 8:30 p.m.—August Outings; Merle North, soloist—B plus KFBK
8:30 to 9 p.m.—Histories of Paul Bunyan, sketch by James Stevens—E plus KFBK
9 to 10 p.m.—American Philharmonic Orchestra; Agatha Turley and Nathan Stewart, soloists—B plus KFBK
10 to 10:30 p.m.—Enchanters' male quartet—B plus KFBK
10:30 to 11 p.m.—Celeste Sextet; Hallie F. Staude and Loren Davidson, soloists—B plus KFBK
11 to 12 midnight—Olympic Rangers; Warren Anderson, director—B plus KFBK

296.6 Meters **KQW** **Channel 101**
1010 Kcys. **500 Watts**

First Baptist Church, San Jose, California
10 to 11 a.m.—Helpful Hour
11 to 12 noon—Los Gatos program
12 to 12:30 p.m.—Musical program
12:30 to 1 p.m.—Market reports, weather
1 to 1:30 p.m.—Hart's Happy Half Hour
1:30 to 2:30 p.m.—The Friendly Hour
2:30 to 3:30 p.m.—Musical program
5 to 5:30 p.m.—Children's program
5:30 to 5:45 p.m.—Herzog and Bierman program
5:45 to 6 p.m.—Frigidaire program
6 to 6:10 p.m.—U. S. D. A. farm flashes
6:10 to 6:30 p.m.—Crop Digest
6:30 to 6:50 p.m.—Weather, market reports
6:50 to 7 p.m.—Farmers' Exchange
7 to 8 p.m.—Farm Bureau Radio News
8 to 9:30 p.m.—"You Never Can Tell" program

TUESDAY Programs

491.5 Meters **KFRC** **Channel 61**
610 Kcys. **1000 Watts**

Don Lee, Inc., San Francisco, Calif.

- 7 to 8 a.m.—Simpy Fitts
- 7:30 a.m.—Stock Exchange
- 8 to 9 a.m.—Early Birds, featuring the two boys, Ralph and Ray, Nell Larson and Ray Hoback
- 9 to 9:30 a.m.—Georgia O. George
- 10 to 11 a.m.—Wyn's Daily Chats
- 11 to 11:30 a.m.—Recordings
- 11:30 to 12 noon—Amateur auditions
- 12 to 1 p.m.—Sherman-Clay noonday concert
- 1 to 1:30 p.m.—Leigh Harline, organist
- 1:30 to 2 p.m.—Charlie Wellman
- 3 to 3:30 p.m.—Educational period
- 3:30 to 4 p.m.—Recordings
- 4 to 4:30 p.m.—Garden talk by F. W. Davis
- 4:30 to 4:55 p.m.—Something About Everything
- 4:55 to 5 p.m.—News, lost and found
- 4:55 to 5 p.m.—Town Topics
- 5 to 5:30 p.m.—Storyman and his Aircastle
- 5:30 to 6 p.m.—Hank Howe and his music
- 6 to 6:45 p.m.—Concert orchestra and Mac
- 6:45 to 7 p.m.—"Bobs," sports authority
- 7 to 7:30 p.m.—Raybestos Reliners
- 7:30 to 8 p.m.—Remar Twins
- 8 to 9 p.m.—KFRC Concert Orchestra, with Harold Dana, baritone; Raymond Marlowe, tenor; Lucille Harger, contralto, and Juanita Tennyson, soprano, in solos and ensemble numbers
- 9 to 10 p.m.—Program of popular selections and production numbers
- 10 to 12 midnight—Tom Gerunovich and his Roof Garden Orchestra
- 12 to 1 a.m.—Dorado Club Silver Fizz dance music

333.1 Meters **KHJ** **Channel 90**
900 Kcys. **1000 Watts**

Don Lee, Inc., Los Angeles, California

- 7 to 7:30 a.m.—Physical culture period
- 7:30 to 8 a.m.—Recordings
- 8 to 9 a.m.—"Early Birds"
- 9 to 9:30 a.m.—"Breakfast Nook Philosophy"
- 9:30 to 10 a.m.—Recordings
- 10 to 11 a.m.—Agnes White, "At Our House"
- 11 to 11:15 a.m.—Recordings
- 11:15 to 11:30 a.m.—Nat'l Perc. program
- 11:30 to 11:45 a.m.—Recordings
- 11:45 to 12 noon—Mrs. David Hugh, poetry club
- 12 to 12:30 p.m.—Biltmore Concert Orchestra
- 12:30 to 12:45 p.m.—World-wide News
- 12:45 to 1:30 p.m.—Leigh Harline, organist
- 1:30 to 2 p.m.—Charlie Wellman's requests
- 2 to 2:30 p.m.—U. S. C. "Trojan" period
- 2:30 to 3 p.m.—KHJ soloists
- 3 to 3:15 p.m.—Safety conference
- 3:15 to 3:30 p.m.—Automobile Club
- 3:30 to 3:45 p.m.—Midnight Mission
- 3:45 to 4 p.m.—Dr. McCoy, health talk
- 4 to 5 p.m.—Capistrano Beach program
- 5 to 5:30 p.m.—The Story Man
- 5:30 to 6 p.m.—Hank Howe's dance band
- 6 to 6:45 p.m.—KFRC Orchestra and singers
- 6:45 to 7 p.m.—World-wide News
- 7 to 8 p.m.—Charles Shepherd's Symphonishers
- 8 to 9 p.m.—Program from KFRC
- 9 to 10 p.m.—Don Lee Symphony Orchestra
- 10 to 12 p.m.—Biltmore Hotel Dance Orchestra and Trio
- 12 to 1 a.m.—Wesley Tourtellotte, organist

379.5 Meters **KGO** **Channel 79**
790 Kcys. **10,000 Watts**

General Electric Co., Oakland, California

- 9:30 to 10:30 a.m.—California Home Life
- 10:30 to 11:30 a.m.—Woman's Magazine, NBC
- 11:30 to 1 p.m.—Rembrandt Trio
- 12:30 to 12:45 p.m.—Weather; daily bulletins
- 1 to 1:15 p.m.—S. F. and N. Y. stocks
- 2 to 3 p.m.—The Wanderers, NBC
- 4:30 to 5:30 p.m.—Edward J. Fitzpatrick and his Hotel St. Francis Salon Orchestra
- 5:30 to 6 p.m.—Stocks; S. F. produce, daily bulletins and news
- 6 to 6:30 p.m.—Clicquot Club Eskimos, NBC
- 6:30 to 7 p.m.—Orchestradians, NBC
- 7 to 9 p.m.—Gala program, Sixth Annual Pacific Radio Exposition, San Francisco; 7 to 7:30 p.m.—Rembrandt Trio, Melodettes and Olympians; 7:30 to 8 p.m.—Special short wave program inaugurating regular schedule of W6XN; 8:30 to 9 p.m.—The Pilgrims
- 9 to 9:30 p.m.—The Parker Fellows, NBC
- 9:30 to 11 p.m.—Gala program, Sixth Annual Pacific Radio Exposition, San Francisco; 9:30 to 10 p.m.—The Seven Sauntering Sailors; 10 to 11 p.m.—KGO Regulars
- 11 to 12 midnight—Musketeers, NBC

280.2 Meters **KJBS** **Channel 107**
1070 Kcys. **100 Watts**

J. Brunton & Sons, San Francisco, Calif.

- 7 to 8 a.m.—Early Bird Hour
- 8 to 10 a.m.—Instrumental and vocal selections
- 10 to 10:45 a.m.—Popular recordings
- 10:45 to 11 a.m.—Dr Wiseman, health talk
- 11 to 1 p.m.—Record varieties
- 1 to 1:30 p.m.—Dell Raymond and Harry Miles
- 1:30 to 2 p.m.—Concert records
- 2 to 3 p.m.—Radio Show program from Auditorium, Hot-N-Kold Radio Rodeo, with Eddie Holden
- 3 to 5 p.m.—Variety recordings
- 5 to 5:30 p.m.—Ben Lipston and Jerry McMillan
- 5:30 to 6:15 p.m.—Popular records
- 6:15 to 6:45 p.m.—Barnes' Sunset Revue

285.5 Meters **KNX** **Channel 105**
1050 Kcys. **5000 Watts**

L. A. Evening Express, Los Angeles, Calif.

- 6:45 to 8 a.m.—Exercises
- 8 to 8:15 a.m.—Record program
- 8:15 to 8:30 a.m.—Inspirational talk
- 8:30 to 8:55 a.m.—Record program
- 9 to 9:30 a.m.—Beauty talk
- 9:30 to 10 a.m.—Radio shopping news
- 10 to 10:30 a.m.—Town Crier of the Day
- 10:30 to 11 a.m.—Household Economics
- 11:15 to 11:45 a.m.—French lessons by E. Leon
- 12 to 12:30 p.m.—Musical program
- 12:30 to 12:45 p.m.—Alder travelogue
- 1:30 to 2 p.m.—The Bookworm
- 2 to 2:30 p.m.—Records and announcements
- 3:15 to 3:30 p.m.—"Bellico" talks
- 4 to 4:15 p.m.—Lost and found; stock reports
- 4:15 to 4:30 p.m.—Joyce Coad
- 4:30 to 5 p.m.—C. P. R.'s musical program
- 5:15 to 5:45 p.m.—Chet Mittendorf
- 5:45 to 6 p.m.—Timely amusement tips
- 6 to 6:30 p.m.—Organ program by Florence Le Mae
- 6:30 to 7 p.m.—KNX Concert Orchestra
- 7 to 7:30 p.m.—Talk by Dr. Mars Baumgardt
- 7:30 to 8 p.m.—KNX feature artists
- 8 to 9 p.m.—Tom and his mule
- 9 to 9:30 p.m.—So-A-Tone broadcast
- 9:30 to 10 p.m.—KNX feature artists
- 10 to 12 midnight—Jackie Taylor and his Co-coanut Grove Orchestra
- 12 to 1 a.m.—The Dorado Club dance hour

TUESDAY Programs

468.5 Meters **KFI** Channel 64
640 Kcys. **5000 Watts**

Copyright, 1929, E. C. Anthony, Inc., L. A.

7 a.m.—S. & W. morning exercise, KPO
8 a.m.—Shell Happy Time from KPO
9 a.m.—Bess Kilmer's Hints to Housewives
9:30 a.m.—Sarah Ellen Barnes' talk on Hollywood Bowl
10:30 a.m.—Woman's Magazine, NBC
12 noon—Dept. of Agriculture talks
12:15 p.m.—Market reports
2 p.m.—Leon Archer
2:15 p.m.—Winnie Fields Moore
3:30 p.m.—Gene Johnston, Leonard Van Berg
4:25 p.m.—Better Business Bureau talks
4:30 p.m.—Big Brother
5 p.m.—Leon Rene's Southern Syncopators
6 p.m.—Clcquot Club Eskimos
6:30 p.m.—Orchestradians, NBC
8 p.m.—Paul Roberts and the Schonberger Trio
8:30 p.m.—Gillette Safety Razor Company, KFI-KPO; Virginia Flohri, James Burroughs and Los Caballeros
9 p.m.—The Parker Fellows, NBC
9:30 p.m.—Los Angeles S.S. program
10 p.m.—Spotlight Review, NBC
11 p.m.—KFI News Bureau

265.3 Meters **KSL** Channel 113
1130 Kcys. **5000 Watts**

Radio Service Corp., Salt Lake City, Utah

6 p.m.—Clcquot Club Eskimos, NBC
6:30 p.m.—Orchestradians, NBC
7 p.m.—Studio program
8 p.m.—Utah Instrumental Quartet
8:30 p.m.—"Out on the Back Porch"
9 p.m.—Studio program
10 p.m.—Jack Stacey's dance orchestra

422.3 Meters **KFVD** Channel 71
710 Kcys. **250 Watts**

Auburn Fuller, Culver City, Calif.

7 a.m.—Hal Roach Happy-Go-Lucky Trio
9 a.m.—Dan Maxwell, comedian
10:30 a.m.—Dr. F. S. Hirsch
11:30 a.m.—Carey Preston Rittmeister
12 noon—Tom Brennehan
12:30 p.m.—Tom and Wash
1:15 p.m.—Hal Roach Comedy Gossip
2 p.m.—Madame Lauro
3 p.m.—Auburn Orchestra
4 p.m.—Eldorado program
5:45 p.m.—Timely topics
6 p.m.—Diet Question Box
8 p.m.—De Witt Hagar's program
9 p.m.—Auburn Orchestra
10 p.m.—KFVD Orchestra
11 to 1 a.m.—Sebastian's Cotton Club Orch.

230.6 Meters **KTBI** Channel 130
1300 Kcys. **1000 Watts**

Bible Institute of Los Angeles, California

8 to 8:15 a.m.—Uncle Harry's Bible story
8:15 to 8:45 a.m.—Devotional service
8:45 to 9:15 a.m.—Announcer's Hour
9:15 to 9:45 a.m.—Radio Bible course
9:45 to 10:35 a.m.—Lecture
10:35 to 11:30 a.m.—Music
11:30 to 12 noon—Dr. W. E. Edmonds
12 to 12:15 p.m.—Chimes and Scripture reading

322.4 Meters **KFWI** Channel 93
930 Kcys. **500 Watts**

Radio Entertainments, San Francisco, Calif.

7 to 8 a.m.—Health exercises
9 to 9:30 a.m.—Cal King's Country Store
9:30 to 10 a.m.—Stocks and bonds, Rita Murray
10 to 10:30 a.m.—Charlie Glenn, "Songs of Yesterday"
10:30 to 10:50 a.m.—Dr. T. G. Lineberger
10:50 to 11 a.m.—News items, police reports
12 to 1 p.m.—George Carson, baritone; Lena Minehart, piano; Maybelle Morrison, violin.
1 to 1:30 p.m.—Cal King's Country Store
6 to 6:30 p.m.—Prof. "Itchy Scratchy"; Hazel McDaniels, pianist
6:30 to 7 p.m.—James McDonald, baritone, and Elsie Campbell, accompanist

508.2 Meters **KHQ** Channel 59
590 Kcys. **1000 Watts**

Louis Wasmer, Inc., Spokane, Washington

7 to 7:30 a.m.—Sunrise Pep Period
7:30 to 8 a.m.—Model Musical Klock
8 to 9 a.m.—Shell Happy Time
9 to 9:45 a.m.—Musical Bazaar
9:45 to 10 a.m.—Chips of Pleasure
10 to 10:30 a.m.—Sunshine Liberty organ
10:30 to 11:30 a.m.—Woman's Magazine, NBC
11:30 to 12 noon—Farmers' Service Hour
12 to 1 p.m.—Chamber of Commerce luncheon
1 to 1:30 p.m.—Copeland Musical Review
1:30 to 1:45 p.m.—Modern Shops a la Mode
1:45 to 2 p.m.—Fur Facts
2 to 3 p.m.—The Wanderers, NBC
3 to 3:30 p.m.—Theatrical Preview
3:30 to 4 p.m.—"Paint o' Mine" period
4 to 5 p.m.—Studio program
5 to 6 p.m.—Triodian String Ensemble
6 to 6:30 p.m.—Clcquot Club Eskimos, NBC
6:30 to 7 p.m.—Orchestradians, NBC
7 to 8 p.m.—Northwestern Melodies
8 to 9 p.m.—Tales Never Told, NBC
9 to 9:30 p.m.—The Parker Family, NBC
9:45 to 10 p.m.—Studio program
10 to 11 p.m.—Spotlight Review, NBC
11 to 12 midnight—Musketeers, NBC

267.7 Meters **KMIC** Channel 112
1120 Kcys. **500 Watts**

Dalton's, Inc., Inglewood, Calif.

5 p.m.—Request records
6 p.m.—Moonshiners' Trio
7 p.m.—Hobart Kennedy, banjo soloist
7:30 p.m.—Billbrew Singers, Country Jane
8:30 p.m.—KMIC Dance Band, Peggy Price
9:30 p.m.—Sonny Nupoff String Quartet
10 p.m.—Cinderella Roof Ballroom

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WEDNESDAY Programs

Aug. 21, 1929



Henry Warner
KJBS—4 p.m.



Nellie Wren
ABC—8 p.m.



Nita Mitchell
KJBS—4:30 p.m.



Albert Gillette
ABC—8 p.m.

468.5 Meters
640 Kcys. **KFI** Channel 64
5000 Watts
Copyright, 1929, E. C. Anthony, Inc., L. A.

7 a.m.—S. & W. morning exercise, KPO
8 a.m.—Shell Happy Time from KPO
10:30 a.m.—Bess Kilmer's Hints to Housewives
10:30 a.m.—Woman's Magazine, NBC
12 noon—Dept. of Agriculture talks
12:10 p.m.—Federal and State market reports
12:15 p.m.—Talk from the Sheriff's office
2 p.m.—Leon Archer
2:15 p.m.—Winnie Fields Moore
2:30 p.m.—Three Skippers
2:45 p.m.—Ruby Berry and Paul McNally
3:30 p.m.—Ruth Haddock, contralto
4 p.m.—Hugo Escobar, Spanish lessons
4:15 p.m.—Dr. Miller, "Human Nature Around the World"
4:30 p.m.—Big Brother
5 p.m.—California Dairy Council, NBC
5:30 p.m.—Palmolive Hour, NBC
6:30 p.m.—Stromberg-Carlson, NBC
7 p.m.—Variety Hour
8 p.m.—Roads to Romance, NBC
8:30 p.m.—Studio program
9 p.m.—Los Angeles Steamship Co. program
10 p.m.—Cotton Blossom Minstrels, NBC
11 p.m.—KFI News Bureau

322.4 Meters
930 Kcys. **KFWI** Channel 93
500 Watts
Radio Entertainments, San Francisco, Calif.

7 to 8 a.m.—Health exercises
8 to 9 a.m.—Recordings
9 to 9:30 a.m.—Cal King's Country Store
9:30 to 10 a.m.—Recordings and announcements
10 to 10:30 a.m.—Charlie Glenn, "Songs of Yesterday"
10:30 to 10:50 a.m.—Dr. T. G. Linebarger
10:50 to 11 a.m.—News items, police reports
12 to 1 p.m.—Etta Reed, soprano; assisting artists
1 to 1:30 p.m.—Cal King's Country Store
1:30 to 2 p.m.—Leta Thompson, pianist; announcements
2 to 2:30 p.m.—"Pal of the Air"
8:30 to 9 p.m.—Studio program; Italian night
9 to 9:30 p.m.—Happy Chappies
9:30 to 10 p.m.—Alberto Terrasi, Italian baritone
10 to 11 p.m.—Studio program

379.5 Meters
790 Kcys. **KGO** Channel 79
10,000 Watts
General Electric Co., Oakland, California

9:30 to 10:30 a.m.—California Home Life
10:30 to 11:30 a.m.—Woman's Magazine, NBC
11:30 to 12 noon—Rembrandt Trio
12 to 1 p.m.—Pacific Vagabonds, NBC
1 to 1:15 p.m.—Weather, stocks, daily bulletins
1:15 to 1:30 p.m.—U. S. Dept. of Commerce talk
3 to 4 p.m.—"The Cabin Door," NBC
4 to 4:30 p.m.—Edward J. Fitzpatrick and his Hotel St. Francis Salon Orchestra
4:30 to 5 p.m.—Stocks; S. F. produce, daily bulletins and news
5 to 5:30 p.m.—Ra-Da-O, NBC
5:30 to 6:30 p.m.—Palmolive Hour, NBC
6:30 to 7 p.m.—Stromberg-Carlson, NBC
7 to 7:30 p.m.—Agricultural program and Three Boys
7:30 to 8 p.m.—Phyllida Ashley and Aileen Fealy, two-piano concert
8 to 8:30 p.m.—Jack and Ethyl, NBC
8:30 to 9 p.m.—Parisian Quintet and Grace Le Page, lyric soprano
9 to 10 p.m.—Drama, "A Russian Wedding Night," by Meredith Sawyer; presented by KGO Players, Wilda Wilson Church directing
10 to 11 p.m.—Henry Halstead's Hotel St. Francis Dance Orchestra

280.2 Meters
1070 Kcys. **KJBS** Channel 107
100 Watts
J. Brunton & Sons, San Francisco, Calif.

7 to 8 a.m.—Early Birds Hour
8 to 10:30 a.m.—Favorite recordings
10:30 to 11 a.m.—Cressy Ferra, jazz pianist
11 to 1 p.m.—Variety record program
1 to 1:45 p.m.—Dell Raymond and Harry Miles
1:45 to 2 p.m.—Dr. Wiseman, health talk
2 to 3 p.m.—Concert records
3 to 4 p.m.—Radio Show, program from Auditorium, Hot-N-Kold Radio Rodeo, with Eddie Holden
4 to 4:30 p.m.—Radio Show program, Art Fadden, pianist; Henry Warner and KJBS Troubadour
4:30 to 5 p.m.—Radio Show program; Nita Mitchell and Florence Sanger
5 to 6 p.m.—Dance music
6 to 6:45 p.m.—Vocal selections

WEDNESDAY Programs

ABC

American Broadcasting Company

- A—KJR, KEX, KGA, KYA, KDYL, KLZ
 B—KJR, KEX, KGA, KYA, KMTR, KDYL, KLZ
 C—KJR, KEX, KGA, KYA, KMTR
 D—KJR, KEX, KGA
 E—KJR, KEX, KGA, KDYL, KLZ, KMTR
- 8 to 9 a.m.—Early Morning Serenaders—C
 9 to 9:30 a.m.—Better Homes program—C
 9:30 to 9:45 a.m.—Novelty program—C
 9:45 to 10 a.m.—Devotional service; Rev. W. Roberts; Merle North, soloist—C
 10 to 11 a.m.—American Popular Orchestra—C (KMTR 10:30)
 11 to 12 noon—Warren Anderson's Olympic Rangers and Anthony Euwer—C (KYA to 11:45)
 12 to 12:15 p.m.—World in Review—E
 12:15 to 12:30 p.m.—Vignette's Modernes—B
 12:30 to 1:30 p.m.—American Salon Orch.; F. Longo, director; Perdin Korsmo, soloist—B
 1:30 to 2 p.m.—Song recital, Merle North and Sydney Dixon—B
 2 to 2:30 p.m.—American Artistic Ensemble; Ve Ona Socolofsky, soloist—B less KMTR
 2:30 to 3:30 p.m.—Olympic Rangers—B (KYA to 2:45)
 3:30 to 4 p.m.—Song Fest, Hallie F. Staude and Varsity Quartet—E
 4 to 5 p.m.—American Salon Orchestra, Francesco Longo, director; Ve Ona Socolofsky and Sydney Dixon, soloists—B
 6 to 6:30 p.m.—Kolster program, CBS from New York—B
 6:30 to 7 p.m.—Composers' Hour, compositions of Franz Schubert, Pacific Salon Orchestra and Dorothy Lewis, soloists—C plus KFBK
 7 to 7:15 p.m.—Cecil and Sally in "The Funniest Things," C plus KFBK
 7:15 to 8 p.m.—"Six Best Steppers," Rhythm Aces—B plus KFBK; broadcast from Radio Show
 8 to 9 p.m.—Over Land and Sea, Pacific Salon Orchestra; Liborius Hauptmann, director—B plus KFBK; broadcast from radio show
 9 to 9:30 p.m.—John and Ned "The Twins" and Metro and Cosmo—B plus KFBK
 9:30 to 10 p.m.—Stoll's Capers—B plus KFBK; broadcast from Radio Show
 10 to 11 p.m.—"Sleepy Time," Pacific Salon Orchestra with Gwynn Jones and Albert Gillette, soloists—B plus KFBK; broadcast from Radio Show
 11 to 12 midnight—Georgie Stoll's Rhythm Aces with Helen Troy and Yvonne Peterson, soloists—B plus KFBK
- 422.3 Meters** **KFVD** **Channel 71**
710 Kcys. **250 Watts**
Auburn Fuller, Culver City, Calif.
- 11 a.m.—Helpful Hints to Housewives
 11:30 a.m.—Carey Preston Rittmeister
 12 noon—Tom Brenneman
 12:30 p.m.—Tom and Wash
 1:15 p.m.—Hal Roach Comedy Gossip
 2:30 p.m.—Hal Roach Orchestra
 3 p.m.—Auburn Orchestra
 4 p.m.—Eldorado program
 5:45 p.m.—Timely topics
 8 p.m.—De Witt Hagar's program
 9 p.m.—Auburn Orchestra
 10 p.m.—KFVD Orchestra
 11 to 1 a.m.—Sebastian's Cotton Club Orch.

491.5 Meters
610 Kcys.

KFRC

Channel 61
1000 Watts

Don Lee, Inc., San Francisco, Calif.

- 7 to 8 a.m.—Simp'y Fitts
 7:30 a.m.—Stock Exchange
 8:30 to 9 a.m.—Alarm Clock, featuring the two girls Dot and Mary
 9 to 9:30 a.m.—Georgia O George
 10 to 11 a.m.—Wyn's Dally Chats
 11 to 11:30 a.m.—Domestic Science talk
 11:30 to 12 noon—Amateur auditions
 12 to 1 p.m.—Sherman-Clay noonday concert
 1 to 1:30 p.m.—Leigh Harline, organist
 1:30 to 2 p.m.—Charlie Wellman
 2 to 3 p.m.—KFRC Concert Orchestra and mixed quartet from Pacific Radio Show
 3 to 3:30 p.m.—The Observer about new books
 3:30 to 3:35 p.m.—Something About Everything
 3:35 to 4 p.m.—News and lost and found
 4 to 4:55 p.m.—Matinee Melody Masters
 4:55 to 5 p.m.—Town Topics
 5 to 5:30 p.m.—Storyman and his Aircastle
 5:30 to 6 p.m.—Hank Howe and his music
 6 to 6:45 p.m.—Joe Mendel's Pep Band and Mac
 6:45 to 7 p.m.—Captain Vacation
 7 to 7:30 p.m.—U. S. Rubber Co. program
 7:30 to 8 p.m.—KHJ Orchestra and soloists
 8 to 9 p.m.—Buick Boosters' program
 9 to 10 p.m.—Concert orchestra, mixed quartet and Robert Olsen
 10 to 11 p.m.—Anson Weeks' Hotel Mark Hopkins Orchestra
 11 to 12 midnight—New Mandarin Cabaret Band
 12 to 1 a.m.—Dorado Club dance music

296.6 Meters
1010 Kcys.

KQW

Channel 101
500 Watts

First Baptist Church, San Jose, California

- 10 to 11 a.m.—Helpful Hour
 11 to 12 noon—Special program
 12 to 12:30 p.m.—Musical program
 1 to 1:30 p.m.—Hart's Happy Half Hour
 1:30 to 2:30 p.m.—The Friendly Hour
 2:30 to 3:30 p.m.—Musical program
 5 to 5:30 p.m.—Children's program
 5:30 to 5:45 p.m.—Musical program
 5:45 to 6 p.m.—Frigidaire program
 6 to 6:10 p.m.—U. S. D. A. farm flashes
 6:10 to 6:30 p.m.—Crop Digest
 6:30 to 6:50 p.m.—Market, weather reports
 6:50 to 7 p.m.—Farmers' Exchange
 7 to 8 p.m.—Farm Bureau Radio News
 8 to 9:30 p.m.—First Baptist Church

285.5 Meters
1050 Kcys.

KNX

Channel 105
5000 Watts

L. A. Evening Express, Los Angeles, Calif.

- 12 to 12:30 p.m.—Musical program
 12:30 to 12:45 p.m.—Alder travelogue
 1:30 to 2 p.m.—The Bookworm
 2 to 2:30 p.m.—Records and announcements
 3 to 3:30 p.m.—KNX Clinic of the Air
 3:30 to 4 p.m.—"Better Speech," Mrs. D. Hugh
 4:30 to 5 p.m.—C. P. R.'s musical program
 5:15 to 5:45 p.m.—Chet Mittendorf
 5:45 to 6 p.m.—Timely amusement tips
 6 to 6:30 p.m.—Organ program by Florence Le Mae
 6:30 to 7 p.m.—KNX Concert Orchestra
 7 to 7:30 p.m.—Georgie Fifield and Eddie Albright
 8:30 to 9:30 p.m.—Calmon Luboviski, master violinist; Claire Mellonino, pianist; Walter V. Ferner, cellist
 9:30 to 10 p.m.—KNX feature artists
 10 to 12 midnight—Jackie Taylor and his Coconut Grove Orchestra
 12 to 1 a.m.—The Dorado Club dance hour

WEDNESDAY Programs

NBC

National Broadcasting Company

10:30 to 11:30 a.m.—Woman's Magazine of the Air

Magnolia and Henry will present the comedy sketch during the Oronite feature and Helen Webster promises a discussion of interior decoration as she continues the "Spanish Home" series of talks. Fruit canning in the oven will be described during the third period.

Broadcast through KHQ, KOMO, KGW, KGO, KPO and KFI.

12 to 1 p.m.—Pacific Vagabonds

Max Dolin will direct the Pacific Vagabonds in an hour of symphonic jazz broadcast through KOMO and KGO.

3 to 4 p.m.—The Cabin Door

Phyllis Campbell, Clarence Hayes, "the Voice of the South," Jack Curtis and Harold Peary are the soloists whose interpretations will include popular southern melodies and negro spirituals. Members of the NBC Stock Company will augment this group of plantation folk who sing and dance their way through "The Cabin Door" comedy.

Broadcast through KHQ, KOMO, KGW and KGO.

5 to 5:30 p.m.—Land o' Health

Children who would like to visit Slumber Forest, Cheese Caves and the Ice Cream Mountains are invited to turn the dial of their radios to NBC system stations KGO, KPO and KFI.

5:30 to 6:30 p.m.—Palmolive Hour

Broadcasting through a transcontinental network of NBC system stations, the Palmolive Ensemble will entertain the radio audience with vocal and instrumental selections.

Broadcast through KHQ, KOMO, KGW, KGO, KPO and KFI.

6:30 to 7 p.m.—Stromberg-Carlson program

With Victor Wagner directing the 18-piece Stromberg-Carlson Orchestra will present a half hour's program of music through KHQ, KOMO, KGW, KGO, KPO and KFI.

7:15 to 8 p.m.—Gilbert and Sullivan Operas

A treat is in store for those who enjoy the delightful Gilbert and Sullivan operas when another of these is broadcast tonight.

Forty-five minutes will be given to the radio version of one Gilbert and Sullivan favorite during tonight's broadcast, which may be heard through KOMO and KGW.

8 to 8:30 p.m.—"Roads to Romance"

Jack and Ethyl, the Associated Motor Mates, will be found in San Francisco as tonight's episode in the "Roads to Romance" series is broadcast.

Portsmouth Square, the center of San Francisco in the early days, is the scene of the episode and Jack and Ethyl will hear the romantic story of the raising of the Stars and Stripes in San Francisco July 9, 1846, by Captain Montgomery of the warship Portsmouth.

The love story of Natalie Richardson and Jacob Brown is dramatized, describing the part these young people played in the raising of the American flag in Portsmouth Square. The famous square originally was a potato patch, Jack and Ethyl learn, and to Jacob

Richardson goes the credit for making it the town center.

Broadcast through KHQ, KOMO, KGW, KGO, KPO and KFI.

8:30 to 9 p.m.—Hill Billy Boys

Songs of the Kentucky mountaineers and present-day comedy sketches told in verse with musical settings entertain the radio audience during the Hill Billy half hour, which will be heard through KHQ and KPO.

10 to 11 p.m.—Cotton Blossom Minstrels

Songs of the Southland and the intriguing atmosphere of the cotton plantation will be brought by the Cotton Blossom Minstrels to NBC system station listeners.

Jerry and his Dixie Melodists interpret the songs of the South and the Southern Harmony Four will be heard, along with Sylvano Dale, tap dancer, in specialties. Barry Hopkins is the interlocutor and Charles Marshall the director of the minstrels.

Broadcast through KHQ, KFI and KSL.

11 to 12 midnight—Musical Musketeers

Swashbuckling knights of olden days easily may be envisioned by the radio audience when the Musical Musketeers play under the direction of Walter Beban.

Broadcast through KHQ, KOMO and KPO.

315.6 Meters

950 Kcys.

KFWB

Channel 95

1000 Watts

Warner Brothers, Hollywood, California

8 a.m.—Breakfast Club program

9 a.m.—Happy Hour with Sylvia and Al

10 a.m.—Harmony Hour

11:45 a.m.—Louise Sullivan's trio

12:30 p.m.—Musical program

1:15 p.m.—Prof. Moore's orchestra

1:45 p.m.—Air Journal

2:10 p.m.—Coast League baseball game

4:30 p.m.—Radio Varieties

6:20 p.m.—Musical program

6:30 p.m.—Harry Jackson's entertainers

7 p.m.—Ray Bailey's sextet

7:30 p.m.—Lerette and Wheeler, harmony numbers

7:45 p.m.—Daily news

8 p.m.—The 507 Boys

8:30 p.m.—Borowsky's Russian orchestra

9 p.m.—Ray Martinez's concert orchestra; Vernon Rickard, tenor

10 p.m.—Irving Aaronson's Commanders

11 to 12 midnight—Prof. Moore's orchestra

508.2 Meters

590 Kcys.

KHQ

Channel 59

1000 Watts

Louis Wasmer, Inc., Spokane, Washington

7:30 to 8 a.m.—Kronenberg's program

8 to 9 a.m.—Shell Happy Time

9 to 10 a.m.—Musical Bazaar

10 to 10:30 a.m.—Sunshine Liberty organ

10:30 to 11:30 a.m.—Woman's Magazine, NBC

11:30 to 12 noon—Farmers' Service Hour

12 to 1 p.m.—Lewiston Idaho program

2:45 to 3 p.m.—Jones Musical Headlines

3 to 4 p.m.—Cabin Door, NBC

4 to 4:30 p.m.—Varieties Hour

4:30 to 5:30 p.m.—Triodian String Ensemble

5:30 to 6:30 p.m.—Palmolive Hour, NBC

6:30 to 7 p.m.—Stromberg-Carlson, NBC

7 to 7:30 p.m.—Musical program

7:30 to 8 p.m.—Cambern's Dutch Dough Boys

8 to 8:30 p.m.—Roads to Romance, NBC

8:30 to 9 p.m.—Hill Billy Boys, NBC

9 to 9:15 p.m.—Musical program

9:15 to 9:30 p.m.—Alice in Launderland

9:30 to 10 p.m.—Studio program

10 to 10:15 p.m.—Amos 'n' Andy

10:15 to 11 p.m.—Cotton Blossom Minstrels, NBC

11 to 12 midnight—Musical Musketeers, NBC

WEDNESDAY Programs

243.8 Meters **KYA** **Channel 123**
1230 Kcys. **1000 Watts**
Pacific Broadcasting Corp., San Francisco

8 to 9 a.m.—Early Morning Serenaders, ABC
 9 to 9:30 a.m.—Mary Cooke, better homes, ABC
 9:30 to 9:45 a.m.—Eaton and Robillard, ABC
 9:45 to 10 a.m.—Devotional service, ABC
 10 to 11 a.m.—American Popular Orch., ABC
 11 to 11:45 a.m.—Olympic Rangers with Anthony Euwer, ABC
 11:45 to 12 noon—Ala Maja
 12 to 12:15 p.m.—News items
 12:15 to 12:30 p.m.—Vignettes Moderne, ABC
 12:30 to 1:30 p.m.—American Salon Orch., ABC
 1:30 to 2 p.m.—Song recital, ABC
 2 to 2:45 p.m.—Artistic Ensemble, Olympic Rangers, ABC
 2:45 to 4:30 p.m.—Baseball for Kelly Kar Co.
 4:30 to 5 p.m.—Amer Salon Orchestra, ABC
 5 to 6 p.m.—News items, Helen Troy, Constance Piper, Mary Atkinson, Judge Mathew Brady
 6 to 6:30 p.m.—Kolster program, CBS
 6:30 to 7 p.m.—Pacific Salon Orchestra, ABC
 7 to 7:15 p.m.—Cecil and Sally, ABC
 7 to 7:15 p.m.—Rhythm Aces, ABC, from Radio Show
 8 to 9 p.m.—Over Land and Sea, ABC, from Radio Show
 9 to 9:15 p.m.—John and Ned, "The Twins," from Radio Show
 9:15 to 10 p.m.—Georgie Stoll's Rhythm Aces from Radio Show
 10 to 11 p.m.—Sleepy Time, ABC, from Radio Show
 11 to 12 midnight—Rhythm Aces, Georgie Stoll directing; Yvonne Petersen and Helen Troy, ABC

239.9 Meters **KFOX** **Channel 125**
1250 Kcys. **1000 Watts**
Nichols & Warinner, Long Beach, Calif.

5 to 7 a.m.—Remote control, KGFJ
 7 to 7:30 a.m.—Hello Everybody
 7:30 to 8:15 a.m.—News items, records
 8:15 to 8:45 a.m.—Bright and Early Hour
 8:45 to 11 a.m.—Musical program
 11 to 11:10 a.m.—Beauty talk, Mae Day
 11:10 to 11:30 a.m.—Studio orchestra
 11:30 to 11:50 a.m.—Early news report
 11:50 to 12 noon—Studio orchestra
 12 to 1 p.m.—Hollywood Girls
 1 to 1:30 p.m.—Rotary luncheon
 1:30 to 2 p.m.—Motor Tires Quartet
 2 to 2:15 p.m.—Health talk
 2:15 to 2:30 p.m.—Doris and Clarence
 2:30 to 3 p.m.—Long Beach Municipal Band
 3 to 3:30 p.m.—Organ recital, Roy L. Medcalfe
 3:30 to 4 p.m.—Long Beach Municipal Band
 4 to 4:20 p.m.—Press-Telegram news
 4:20 to 5 p.m.—Varsity Boys
 5 to 5:30 p.m.—Organ recital
 5:30 to 6 p.m.—Hollywood Girls
 6 to 6:05 p.m.—Lost and Found Department
 6:05 to 6:30 p.m.—Hollywood Girls
 6:30 to 7 p.m.—Originality Girls
 7 to 7:30 p.m.—Four Bluebirds
 7:30 to 8 p.m.—Buster Wilson's orchestra
 8 to 9 p.m.—Hancock Golden Trails Hour
 9 to 9:30 p.m.—Cinderella Roof Ballroom
 9:30 to 10 p.m.—Majestic Ballroom
 10 to 10:30 p.m.—Fights from Wilmington
 10:30 to 11 p.m.—Charlie Joslyn's orchestra
 11 to 1 a.m.—Dorado Club, Four Red Coats

440.9 Meters **KPO** **Channel 68**
680 Kcys. **5000 Watts**
Hale Bros. & The Chronicle, San Francisco
 7 to 8 a.m.—S & W health exercises by Hugh Barrett Dobbs and William H. Hancock
 8 to 9 a.m.—Shell Happy Time by Hugh Barrett Dobbs and William H. Hancock.
 9:30 to 10 a.m.—Dobbsie's Daily Chat
 10 a.m.—Bank of America of California
 10:30 to 11:30 a.m.—Magazine of the Air, NBC
 12 to 12:05 p.m.—Time signals, Scripture reading and announcements
 12:05 to 1 p.m.—Aeolian Trio
 1 to 1:30 p.m.—Jerry Jermaine for Hales
 1:30 to 2 p.m.—Ann Warner's Home Chats
 2 to 2:30 p.m.—House of Dreams
 2:30 to 2:43 p.m.—Ye Towne Cryer
 2:43 to 2:45 p.m.—Kozak Radiograms
 2:45 to 4:30 p.m.—Baseball broadcast
 4:30 to 4:40 p.m.—Stock market quotations
 4:40 to 5 p.m.—Children's Hour
 5 to 5:30 p.m.—Land of Health, NBC
 5:30 to 6:30 p.m.—Palmolive, NBC
 6:30 to 7 p.m.—Stromberg-Carlson, NBC
 7 to 8 p.m.—Reo Masters of Music
 8 to 8:30 p.m.—Jack and Ethyl, NBC
 8:30 to 9 p.m.—Hill Billys, NBC
 9 to 9:30 p.m.—KPO Carolers, request program
 9:30 to 10 p.m.—Tommy Monroe and Bob Allen
 10 to 11 p.m.—Jesse Stafford's Palace Hotel Dance Orchestra
 11 to 11:02 p.m.—Kozak Radiogram
 11:02 to 12 midnight—Musical Musketeers, NBC

265.3 Meters **KSL** **Channel 113**
1130 Kcys. **5000 Watts**
Radio Service Corp., Salt Lake City, Utah
 5:30 p.m.—Palmolive Hour, NBC
 6:30 p.m.—Victor Wagner's orchestra, NBC
 7 p.m.—The Rhythm Four and Georgia Ray
 7:30 p.m.—Novelle Vocal Trio
 8:30 p.m.—Romance of Gems
 9 p.m.—Dance music
 9:30 p.m.—Bill Warren, entertainer, and Oscar Roth, zither
 10 p.m.—Cotton Blossom Minstrels, NBC

333.1 Meters **KHJ** **Channel 90**
900 Kcys. **1000 Watts**
Don Lee, Inc., Los Angeles, California
 7 to 7:30 a.m.—Physical culture period
 7:30 to 8:30 a.m.—Recordings
 8:30 to 9 a.m.—"Alarm Clock"
 9 to 9:30 a.m.—"Breakfast Nook Philosophy"
 9:30 to 9:45 a.m.—Nat'l Percolator Co. program
 9:45 to 10 a.m.—Recordings
 10 to 11 a.m.—Agnes White, "At Our House"
 11 to 11:30 a.m.—Recordings
 11:30 to 12 noon—Baron Keyes and Leigh Harline, "Song Revue"
 12 to 12:30 p.m.—Biltmore Concert Orchestra
 12:30 to 12:45 p.m.—World-wide News
 12:45 to 1:30 p.m.—Kiwanis Club luncheon
 1:30 to 2 p.m.—Charlie Wellman's requests
 2 to 2:30 p.m.—Elvia Allman, short stories
 2:30 to 3 p.m.—Public Library talk
 3 to 4 p.m.—Fred C. McNabb, "Gardens"
 4 to 5 p.m.—Matinee Melody Masters
 5 to 5:30 p.m.—The Story Man
 5:30 to 6 p.m.—Hank Howe's dance band
 6 to 6:45 p.m.—KHJ organ and singers
 6:45 to 7 p.m.—World-wide News
 7 to 7:30 p.m.—Don Lee Symphony Orchestra
 7:30 to 8 p.m.—Pelton Motor program
 8 to 9 p.m.—Howard Auto program, KPRC
 9 to 10 p.m.—Elvia Allman's Surprise Package
 10 to 12 midnight—Earl Burnett's Biltmore Hotel Dance Orchestra and Trio
 12 to 1 p.m.—Wesley Tourtellotte, organist

WEDNESDAY Programs

340.7 Meters **KLX** **Channel 88**
880 Kcys. **500 Watts**

Tribune Publishing Co., Oakland, Calif.
7 to 8 a.m.—Exercises; stock reports
8 to 9 a.m.—Jean Kent
9 to 9:30 a.m.—Modern Homes period
9:30 to 10:15 a.m.—Recordings
10:15 to 10:30 a.m.—Opening stocks, weather
10:30 to 10:50 a.m.—Recordings
10:50 to 11 a.m.—Belco talk
11 to 12 noon—Classified Adv. Hour
12 to 1 p.m.—Machado's KLX Hawaiians
1 to 2 p.m.—Jean's Hi-Lights
2 to 2:30 p.m.—Recordings
2:30 to 4:30 p.m.—Baseball broadcast
4:30 to 5 p.m.—Chas. T. Besserer, organist
5 to 5:30 p.m.—Brother Bob
5:30 to 6 p.m.—Cressy Ferra, pianist
6 to 7 p.m.—Hotel Oakland Concert Trio
7 to 7:30 p.m.—News broadcast
7:30 to 8 p.m.—Edna Fisher
8 to 9 p.m.—Educational hour—World news by Ad Schuster; music talk by Roy Harrison Danforth; book reviews by The Bookworm; Attorney Milton W. Dobrzensky, law talk, and piano solos by Helen Wegman Parmelee
9 to 10 p.m.—Helen Wegman Parmelee, pianist and Maybelle Morrison, violinist
10 to 11 p.m.—Classified Adv. Hour

483.6 Meters **KGW** **Channel 62**
620 Kcys. **1000 Watts**

The Morning Oregonian, Portland, Oregon
7:45 to 8 a.m.—Devotional services
8 to 9 a.m.—Shell Happy Time
9 to 9:20 a.m.—Oregonian Cooking School
9:20 to 10:30 a.m.—Town Crier
10:30 to 11:30 a.m.—Woman's Magazine, NBC
1 to 3 p.m.—Musical entertainment
3 to 4 p.m.—Cabin Door, NBC
4 to 5 p.m.—Organ recital
5 to 5:30 p.m.—Movie talk
5:30 to 6:30 p.m.—Palmolive program, NBC
6:30 to 7 p.m.—Stromberg-Carlson, NBC
7 to 8 p.m.—Studio entertainment
8 to 8:30 p.m.—Roads to Romance, NBC
8:30 to 9 p.m.—Maytag Radioette
9 to 10 p.m.—Studio program
10 to 11 p.m.—Fisher Concert Orch., KOMO
11 to 12 midnight—Organ recital

230.6 Meters **KTBI** **Channel 130**
1300 Kcys. **1000 Watts**

Bible Institute of Los Angeles, California
8 to 8:15 a.m.—Uncle Harry's Bible story
8:15 to 8:45 a.m.—Devotional service
8:45 to 9:15 a.m.—Announcer's Hour
9:15 to 9:45 a.m.—Radio Bible course
10:35 to 11:30 a.m.—Lecture
11:30 to 12 noon—Music
12 to 12:15 p.m.—Chimes and Scripture reading

267.7 Meters **KMIC** **Channel 112**
1120 Kcys. **500 Watts**

Dalton's, Inc., Inglewood, Calif.
5 p.m.—Request records
6 p.m.—Marie Hockings, organ recital
7 p.m.—KMIC Dance Band, Peggy Price
7:30 p.m.—Stove Poker Quartet, Country Jane
8:30 p.m.—Classical Collegians
9 p.m.—Harmony Hawaiians, Lani McIntyre
10 p.m.—Cinderella Roof Ballroom

545.1 Meters **KTAB** **Channel 55**
550 Kcys. **500 Watts**
Pickwick Broadcasting Co., Oakland, Calif.

7 to 8 a.m.—Eye Openers
8 to 9 a.m.—Recordings
9 to 9:30 a.m.—Morning prayer service
9:30 to 10:30 a.m.—Recordings
10:30 to 11 a.m.—Dr. Corley
11 to 12 noon—Chasing the Blues
12 to 1 p.m.—Sterling Cosmopolitans
1 to 1:30 p.m.—Chapel of the Chimes
1:30 to 2 p.m.—Rev. Dr. Tindall
2 to 3 p.m.—Arthur Shaw, organist; Lou Gordon, tenor
3 to 3:45 p.m.—Matinee Melodists
3:45 to 4 p.m.—Leah Kimball's book review
4 to 5 p.m.—Home Towners
5 to 6 p.m.—Brother Bob's Frolic
6 to 6:30 p.m.—Barney Lewis
6:30 to 7 p.m.—Twilight Hour
7 to 7:15 p.m.—Harry W. Sack, fife and drum
7:15 to 7:30 p.m.—Resort News
7:30 to 8:30 p.m.—Arthur Shaw, organist
8:30 to 9:30 p.m.—Pickwick Symphonette with Carl Tobin, tenor, and Estelle Moran, pianist
9:30 to 10:30 p.m.—Walter J. Rudolph and the Melody Masters, with Lou Gordon, tenor
10:30 to 11 p.m.—Pickwick Aviators
11 to 1 a.m.—Nite Owls with Willard W. Kimball

361.2 Meters **KOA** **Channel 83**
830 Kcys. **12,500 Watts**

General Electric Co., Denver, Colorado
5 to 5:30 p.m.—Brown Palace Hotel Orchestra
5:30 to 6:30 p.m.—Palmolive Hour, NBC
6:30 to 7 p.m.—Stromberg-Carlson's, NBC
7 to 7:15 p.m.—Pepsodent program, NBC
7:15 to 8 p.m.—George Hall and his Elixir Gardens Dance Orchestra
8 to 8:05 p.m.—Berlin Boyd
8:05 to 9:45 p.m.—KOA concert program
9:45 to 10 p.m.—News of the world
10 to 11 p.m.—Cotton Blossom Minstrels, NBC

Movie producers think that the silent drama will continue, despite the talkies. They see great numbers of married men who will make up the bulk of the silent audiences.

* * *

The plan to have Congress keep in permanent session with no recesses has the approval of a number of persons.

After a Congressman has been in Congress a couple of months nobody wants him around home.

* * *

A complete television outfit is being established on a commercial plane to transmit pictures from the air to a receiver on the ground.

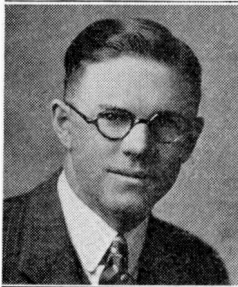
Picking them right out of the air, as it were!

* * *

While excavating on California Street recently, workmen uncovered several silver coins apparently buried there in the early days.

This is believed to be the only money ever lost in the banking district.

THURSDAY Programs Aug. 22, 1929



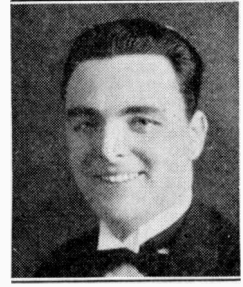
Jack Burt
KFWI—10:30 p.m.



Howard Eastwood
KFWI—10:30 p.m.



May Dearborn Schwab
KFWI—9 p.m.



Scotty McKenna
KFWI—10:30 p.m.

491.5 Meters **KFRC** **Channel 61**
610 Kcys. **1000 Watts**

Don Lee, Inc., San Francisco, Calif.

7 to 8 a.m.—Simpfy Fitts from Seal Rocks
7:30 a.m.—Stock Exchange
8 to 9 a.m.—Early Birds, featuring the two boys, Ralph and Ray, Nell Larson and Ray Hoback
9 to 9:30 a.m.—George O. George
10 to 11 a.m.—Wyn's Daily Chats
11 to 11:30 a.m.—Studio program
11:30 to 12 noon—Amateur auditions
12 to 1 p.m.—Sherman-Clay noonday concert
1:30 to 2 p.m.—Charlie Wellman
3 to 3:30 p.m.—Walter Brown Murray
3:30 to 4 p.m.—Recordings
4 to 4:55 p.m.—Matinee Melody Masters
4:55 to 5 p.m.—Town Topics
5 to 5:30 p.m.—Storyman and his Aircastle
5:30 to 6 p.m.—Hank Howe and his music
6 to 6:45 p.m.—Organ recital, Wesley Tourtelotte
6:45 to 7 p.m.—Studio program
7 to 7:30 p.m.—Classical concert, Don Lee Symphony Orchestra and soloists
7:30 to 8 p.m.—Pyrol program
8 to 9 p.m.—Richfield Movie Club
9 to 10 p.m.—Captain Adams
10 to 11 p.m.—Tom Gerunovich and his Roof Garden Orchestra
11 to 12 midnight—Anson Weeks' Hotel Mark Hopkins Orchestra
12 to 1 a.m.—Dorado Club Silver Fizz dance music

361.2 Meters **KOA** **Channel 83**
830 Kcys. **12,500 Watts**

General Electric Co., Denver, Colorado

4 to 4:30 p.m.—The Eternal Question, NBC
4:30 to 5 p.m.—Victor Talking Machine Co., NBC
5:25 to 5:30 p.m.—Road reports
5:30 to 6 p.m.—Maxwell House Hour, NBC
6 to 6:30 p.m.—Halsey Stuart, NBC
6:30 to 7 p.m.—Libby, McNeil & Libby, NBC
7 to 7:15 p.m.—Pepsodent program, NBC
7:15 to 7:30 p.m.—NBC and Concert Bureau
7:30 to 8 p.m.—Jack Albin and his orch., NBC
8 to 8:30 p.m.—Supreme Serenaders
8:30 to 9 p.m.—United Reproducers, NBC
9 to 10 p.m.—Troutdale Orchestra

243.8 Meters **KYA** **Channel 123**
1230 Kcys. **1000 Watts**

Pacific Broadcasting Corp., San Francisco

8 to 9 a.m.—Early Morning Serenaders, ABC
9 to 9:30 a.m.—Mary Cooke, better homes, ABC
9:30 to 9:45 a.m.—Novelty program, ABC
9:45 to 10 a.m.—Devotional service, ABC
10 to 11 a.m.—Rhythm Aces, ABC
11 to 11:30 a.m.—Troy and Patrick, and Florence Sanger, ABC
11:30 to 11:45 a.m.—Hudnut program, ABC
11:45 to 12 noon—Ala Maja
12 to 1 p.m.—Pacific Salon Orchestra, ABC
1 to 2 p.m.—Rhythm Aces, ABC
2 to 2:45 p.m.—Pacific Salon Orch., ABC
2:45 to 4:45 p.m.—Baseball for Kelley Kar Co.
5 to 5:30 p.m.—Euterpeans, ABC
5:30 to 6 p.m.—Anthony Euwer, ABC
6 to 6:15 p.m.—American Salon Orchestra, ABC
6:15 to 6:30 p.m.—Business Barometer, ABC
6:30 to 7 p.m.—American Salon Orch., ABC
7 to 7:30 p.m.—Katz, ABC
7:30 to 8 p.m.—Campus Memories, ABC
8 to 9 p.m.—Popular Concert Series, ABC
9 to 9:30 p.m.—The Drifters
9:30 to 10 p.m.—Olympic Rangers, ABC
10 to 10:30 p.m.—Enchanters, ABC
10:30 to 11 p.m.—Artistic Ensemble, ABC
11 to 12 midnight—Olympic Rangers, ABC

315.6 Meters **KFWB** **Channel 95**
950 Kcys. **1000 Watts**

Warner Brothers, Hollywood, California

11:15 a.m.—Louise Sullivan's trio
12:30 p.m.—Musical program
12:45 p.m.—Air Journal
2:10 p.m.—Coast League baseball game
4:30 p.m.—Radio Varieties
6:20 p.m.—Musical program
6:30 p.m.—Harry Jackson's entertainers
7 p.m.—Hollywood Athletic Club Orchestra
7:30 p.m.—Organ recital
7:50 p.m.—Daily news
8 p.m.—Lyric Radio program
8:30 p.m.—"The Adventures of Sam and Pete"
9 p.m.—Ray Bailey's sextet
9:30 p.m.—The Rhythm Aces; Jean Cowan, popular songs
10 p.m.—Irving Aaronson and his Commanders
11 to 12 midnight—Prof. Moore's orchestra

THURSDAY Programs

NBC

National Broadcasting Company

10 to 11 a.m.—Woman's Magazine of the Air
 Extracts from Shakespeare will intersperse household suggestions during this broadcast. Leslie Palmer, a well-known English actor, will read a scene or two from a famous Shakespearean play, following a talk by Ann Holden during the Rubyettes feature. Sara Treat, another domestic science authority, and Don Amalzo, the violin virtuoso, will be heard during the Amalzo period, which concludes the hour.

Broadcast through KHQ, KOMO, KGW, KGO, KPO and KFI.

3 to 4 p.m.—The House of Myths
 A cast of National Players will enact a dramatized version of the Greek myth, "The Pippings of Wood." Ted Maxwell will direct the production, which will be completed with musical offerings by Margaret O'Dea, contralto, and a string trio.

Broadcast through KHQ, KOMO, KGW and KGO.

4 to 4:30 p.m.—"The Eternal Question"
 How men of various types go about asking "The Eternal Question" will be revealed in the third of a new series of comedy programs which will be broadcast through KHQ and KOMO.

4:30 to 5 p.m.—Victor program
 Dance music conducted by another noted recording artist will be heard from coast to coast as the Victor program is broadcast through KHQ, KOMO, KGW and KGO.

6 to 6:30 p.m.—Halsey Stuart program
 Financial advice by the "Old Counselor" and music by Andy Sanella and the orchestra will be combined in the half-hour Halsey Stuart program.

Broadcast through KHQ, KOMO, KGW, KGO, KPO and KFI.

6:30 to 7 p.m.—Around the World With Libby
 A continuation of the musical cruise, "Around the World With Libby," will be broadcast through KHQ, KOMO, KGW, KGO, KPO and KFI.

7 to 7:30 p.m.—National Broadcasting and Concert Bureau Hour
 Microphone stars at the NBC's New York studios will participate in the weekly Concert Bureau Hour which will be heard through KOMO and KGO.

7:30 to 8:30 p.m.—Standard Symphony Hour
 Aragonaise, a colorful Spanish tone picture from Massenet's ballet "Le Cid," opens the program by the Standard Symphony Orchestra under the direction of Max Dolin.

Tonight's hour of symphonic exposition is given to music descriptive of "The Picture Gallery," "Scenes from Vienna," "Frills and Gold Lace" and "The Merry Monarch."

The Russian composer, Liadov, in memory of olden days, contributes a charming piece called "Musical Snuff Box," in special arrangement for woodwind and strings. In contrast is the concluding number of this group, Rachmaninoff's "Prelude in C-sharp Minor," a symbolic musical interpretation of the struggle between the forces of light and the hosts of darkness.

A frequent call to the dance is Kreisler's "Caprice Viennois," a highlight of the second

group. "Frills and Gold Lace" are suggested in Chaminade's "La Lisonjera" and Cui's descriptive "Tin Soldier."

Saint-Saens, the Frenchman, wrote in a distinctly British style in his "Henry VIII" suite, which concludes the program.

Broadcast through KHQ, KOMO, KGW, KGO and KFI.

8:30 to 9 p.m.—Max Dolin and his Kylectroneers
 Modern dance melodies will be given musical exposition by Max Dolin and his Kylectroneers.

The program opens with a novelty number, "The Whopee Hat Brigade." A highlight of the hour will be the orchestra's interpretation of the lively Spanish fox-trot "El Choclo." A special arrangement of "Im Just a Vagabond Lover" concludes the half hour.

Broadcast through KHQ, KOMO, KGW, KGO, KPO, KFI, KSL and KOA.

9 to 9:30 p.m.—Memory Lane
 Goshen Center, a mythical spot where the "Smithers" family is supreme socially, is the scene for the action, of the weekly playlets from the pen of H. C. Connette. Listeners tonight will follow further incidents and events in the lives of "Pa" and "Ma Smithers" (Richard Le Grand and Eileen Piggott), "Billy Smithers" (Billy Page), and other characters portrayed by Ben McLaughlin, Bobbe Deane, Olive West and Bernice Berwin.

Broadcast through KGW, KGO and KPO.

10 to 11 p.m.—Slumber Hour
 Kreisler's beautiful Viennese waltz, "The Old Refrain," opens an hour of slumber music presented by the orchestra under the direction of Max Dolin.

Selections from Verdi's gloomy opera "Rigoletto" offer striking contrast to the opening number. Harold Spaulding, tenor, will be heard in, "Who is Sylvia?" a charming Shakespearean song set to music, by Franz Schubert.

Included among the other orchestral selections programmed are Lacombe's picturesque ballet suite "Masquerade," and an impressionistic work, "Romanza," by the Spanish composer Granados.

Broadcast through KGO, KPO and KFI.

11 to 12 midnight—Musical Musketeers
 Dance tunes by the Musical Musketeers directed by Walter Beban will be broadcast through KOMO, KGO and KPO.

483.6 Meters **KGW** **Channel 62**
620 Kcys. **1000 Watts**

The Morning Oregonian, Portland, Oregon

- 7:45 to 8 a.m.—Devotional services
- 8 to 9 a.m.—Shell Happy Time
- 9 to 9:20 a.m.—Oregonian Cooking School
- 9:20 to 10:30 a.m.—Town Crier
- 10:30 to 11 a.m.—Woman's Magazine, NBC
- 11 to 11:30 a.m.—So-A-Tone Radioette
- 1 to 1:15 p.m.—Business talk, Dept. of Commerce
- 1:15 to 3 p.m.—Musical entertainment
- 3 to 4 p.m.—House of Myths, NBC
- 4 to 4:30 p.m.—Musical entertainment
- 4:30 to 5 p.m.—Victor Talking Machine, NBC
- 5 to 6 p.m.—Organ recital
- 6 to 6:30 p.m.—Halsey Stuart, NBC
- 6:30 to 7 p.m.—Libby, McNeil & Libby, NBC
- 7 to 7:30 p.m.—Concert Bureau Hour, NBC
- 7:30 to 8:30 p.m.—Standard Symphony Hour, NBC
- 8:30 to 9 p.m.—Max Dolin's Kylectroneers, NBC
- 9 to 9:30 p.m.—Memory Lane program, NBC
- 9:30 to 9:45 p.m.—Studio program
- 10 to 11 p.m.—Associated Brass Band, KOMO
- 11 to 12 midnight—Dance music

THURSDAY Programs

ABC

American Broadcasting Company

- A—KJR, KEX, KGA, KYA, KDYL, KLZ
 B—KJR, KEX, KGA, KYA, KMTR, KDYL, KLZ
 C—KJR, KEX, KGA, KYA, KMTR
 D—KJR, KEX, KGA
 E—KJR, KEX, KGA, KDYL, KLZ, KMTR
- 8 to 9 a.m.—The Early Morning Serenaders—C
 9 to 9:30 a.m.—Better Homes program—C
 9:30 to 9:45 a.m.—Novelty program—C
 9:45 to 10 a.m.—Devotional service, Rev. W. P. Roberts; Perdin Korsmo, soloist—C
 10 to 11 a.m.—American Popular Orchestra—D
 10 to 11 a.m.—Georgie Stoll's Rhythm Aces—KYA, KMTR, KLZ
 11 to 11:15 a.m.—Florence Sanger and Helen Troy, KYA, KMTR, KLZ
 11:15 to 11:30 a.m.—Troy and Patrick in "Headlines," KYA, KMTR, KLZ
 11 to 11:30 a.m.—Warren Anderson's Olympic Rangers—D
 11:30 to 11:45 a.m.—Du Barry Quarter Hour by Doris Hale—B
 11:45 to 12 noon—John and Ned "The Twins"—E
 12 to 1 p.m.—Pacific Salon Orchestra with Mary Atkinson, soloist—B
 1 to 2 p.m.—Georgie Stoll's Rhythm Aces with Yvonne Peterson, soloist—B
 2 to 3 p.m.—Pacific Salon Orchestra—B (KYA to 2:45)
 4 to 5 p.m.—Warren Anderson's Olympic Rangers—B (KYA from 4:30)
 5 to 5:30 p.m.—The Euterpeans; Hayden Morris, soloist—B plus KFBK
 5:30 to 6 p.m.—Anthony Euwer, Bard of the Air—B plus KFBK
 6 to 6:15 p.m.—American Salon Orch.; Francisco Longo, director—B plus KFBK
 6:15 to 6:30 p.m.—Business Barometer and Financial Horizon—B
 6:30 to 7 p.m.—American Salon Orchestra, Perdin Korsmo and Merle North—B plus KFBK
 7 to 7:30 p.m.—Chronicles of Katz, sketch by Albert M. Ottenheimer—B plus KFBK
 7:30 to 8 p.m.—Campus Memories—B less KMTR plus KFBK
 8 to 9 p.m.—American popular concerts; Sydney Dixon, Agatha Turley and Nathan Stewart, soloists; Jacques Jou-Jerville, director—B plus KFBK
 9 to 9:30 p.m.—The Drifters—B plus KFBK
 9:30 to 10 p.m.—Olympic Rangers—B plus KFBK
 10 to 10:30 p.m.—Enchanters' male quartet—B plus KFBK
 10:30 to 11 p.m.—American Artistic Ensemble; Perdin Korsmo, soloist—B plus KFBK
 11 to 12 noon—Warren Anderson's Olympic Rangers—B plus KFBK

230.6 Meters **KTBI** **Channel 130**
1300 Kcys. **1000 Watts**

Bible Institute of Los Angeles, California

- 8 to 8:15 a.m.—Uncle Harry's Bible story
 8:15 to 8:45 a.m.—Devotional service
 8:45 to 9:15 a.m.—Announcer's Hour
 9:15 to 9:45 a.m.—Radio Bible course
 9:45 to 10:35 a.m.—News of Christian work
 10:35 to 11:30 a.m.—Lecture
 11:30 to 12 noon—Leland Green and Ada Kim-mell
 12 to 12:15 p.m.—Scripture reading

545.1 Meters **KTAB** **Channel 55**
550 Kcys. **500 Watts**

Pickwick Broadcasting Co., Oakland, Calif.

- 7 to 8 a.m.—Rastus and Sambo
 8 to 9 a.m.—Recordings
 9 to 9:30 a.m.—Morning prayer
 9:30 to 10 a.m.—Dr. J. Douglas Thompson
 10 to 10:30 a.m.—Recordings
 10:30 to 11 a.m.—Dr. Corley
 11 to 12 noon—Chasing the Blues
 12 to 1 p.m.—Sterling Cosmopolitans
 1 to 1:30 p.m.—Chapel of the Chimes
 3 to 4 p.m.—Matinee Melodists
 4 to 5 p.m.—Home Towners
 5 to 6 p.m.—Brother Bob's Frolic
 6 to 6:30 p.m.—Barney Lewis
 6:30 to 7 p.m.—Chapel of the Chimes
 7 to 7:30 p.m.—Program by Mormon Church
 7:30 to 8 p.m.—Piano recital, Walter J. Rudolph
 8 to 8:30 p.m.—Organ recital
 8:30 to 10:30 p.m.—The Cocoanuts, with the Pickwick Symphonettes; Lou Gordon, tenor; Joan Ray, contralto; Emmet Dorman, violinist; Estelle Moran, pianist, and others, conducted by "B. B."
 10:30 to 11 p.m.—Arthur Shaw
 11 to 1 a.m.—Nite Owls with Willard W. Kimball

296.6 Meters **KQW** **Channel 101**
1010 Kcys. **500 Watts**

First Baptist Church, San Jose, California

- 10 to 11 a.m.—Helpful Hour
 11 to 12 noon—Monterey Peninsula program
 12 to 12:30 p.m.—Musical program
 12:30 to 1:30 p.m.—Market reports, weather
 1 to 1:30 p.m.—Hart's Happy Half Hour
 1:30 to 2:30 p.m.—The Friendly Hour
 2:30 to 3:30 p.m.—Musical program
 5 to 5:30 p.m.—Children's program
 5:30 to 5:45 p.m.—Herzog and Bierman program
 5:45 to 6 p.m.—Frigidaire program
 6 to 6:10 p.m.—U. S. D. A. farm flashes
 6:10 to 6:30 p.m.—Crop Digest
 6:30 to 6:50 p.m.—Market, weather reports
 6:50 to 7 p.m.—Farmers' Exchange
 7 to 8 p.m.—Farm Bureau Radio News
 8 to 9:30 p.m.—Songs of the Old Church Choir

285.5 Meters **KNX** **Channel 105**
1050 Kcys. **5000 Watts**

L. A. Evening Express, Los Angeles, Calif.

- 6:45 to 8 a.m.—Exercises
 8:15 to 8:30 a.m.—Inspirational talk
 8:40 to 8:55 a.m.—Bellico talk
 9 to 9:30 a.m.—Beauty talk
 9:30 to 10 a.m.—Radio shopping news
 10 to 10:30 a.m.—Town Crier of the Day
 10:30 to 11 a.m.—Household Economics
 11:15 to 11:45 a.m.—French lessons by Edgard Leon
 12 to 12:30 p.m.—Musical program
 12:30 to 12:45 p.m.—Alder travelogue
 1:30 to 2 p.m.—The Bookworm
 2 to 2:30 p.m.—Records and announcements
 3:30 to 4 p.m.—Louise Johnson, horoscopes
 4 to 4:15 p.m.—Lost and found; stock reports
 4:30 to 5 p.m.—C. P. R.'s musical program
 5:15 to 5:45 p.m.—Chet Mittendorf
 5:45 to 6 p.m.—Timely amusement tips
 6 to 6:30 p.m.—Organ program
 6:30 to 7 p.m.—KNX Concert Orchestra
 7 to 8 p.m.—KNX feature artists
 8 to 8:30 p.m.—Rebroadcast of KFWE
 8:30 to 10 p.m.—KNX feature artists
 10 to 12 midnight—Jackie Taylor and his Coconut Grove Orchestra
 12 to 1 a.m.—The Dorado Club dance hour

THURSDAY Programs

440.9 Meters **KPO** **Channel 68**
680 Kcys. **5000 Watts**

Hale Bros. & The Chronicle, San Francisco

- 7 to 8 a.m.—S & W health exercises by Hugh Barrett Dobbs, with William H. Hancock
- 8 to 9 a.m.—Shell Happy Time by Hugh Barrett Dobbs and William H. Hancock
- 9:30 to 10 a.m.—Dobbsie's Dally Chat
- 10 to 11 a.m.—Woman's Magazine of the Air, NBC
- 12 to 12:05 p.m.—Time signals, Scripture reading and announcements
- 12:05 to 12:30 p.m.—Saul Sieff and W. Stump, piano duo
- 12:30 to 1:30 p.m.—Shrine luncheon broadcast
- 1:30 to 2 p.m.—Jerry Jermaine for Hales
- 2 to 2:30 p.m.—House of Dreams, Paul Pitman
- 2:30 to 2:45 p.m.—Ye Towne Cryer; stock quotations
- 2:45 to 2:45 p.m.—Kozak Radiogram
- 2:45 to 4:30 p.m.—Baseball broadcast
- 4:30 to 4:40 p.m.—Stock market quotations
- 4:40 to 5 p.m.—Theodore Strong, organist
- 5 to 6 p.m.—Children's Hour
- 6 to 6:30 p.m.—Halsey Stuart, NBC
- 6:30 to 7 p.m.—Libby, McNeill & Libby, NBC
- 7 to 8 p.m.—Daily Reologue
- 8 to 8:30 p.m.—Caswell Musical Episode
- 8:30 to 9 p.m.—Max Dolin and his Klyectroneers, NBC
- 9 to 9:30 p.m.—Memory Lane, NBC
- 9:30 to 10 p.m.—Nathan Abas, violin recital
- 10 to 11 p.m.—Slumber Hour, NBC
- 11 to 11:02 p.m.—Kozak Radiogram
- 11:02 to 12 midnight—Musical Musketeers, NBC

333.1 Meters **KHJ** **Channel 90**
900 Kcys. **1000 Watts**

Don Lee, Inc., Los Angeles, California

- 7 to 7:30 a.m.—Physical culture period
- 7:30 to 8 a.m.—Recordings
- 8 to 9 a.m.—"Early Birds"
- 9 to 9:30 a.m.—"Breakfast Nook Philosophy"
- 9:30 to 10 a.m.—Recordings
- 10 to 11 a.m.—Agnis White, "At Our House"
- 11 to 11:15 a.m.—Recordings
- 11:15 to 11:30 a.m.—Nat'l Percolator program
- 11:30 to 12 noon—Bob Swan and Gene Byrnes
- 12 to 12:30 p.m.—Biltmore Concert Orchestra
- 12:30 to 12:45 p.m.—World-wide News
- 12:45 to 1:30 p.m.—Organ recital, Leigh Harline
- 1:30 to 2 p.m.—Charlie Wellman's request program
- 2 to 2:15 p.m.—KHJ soloists
- 2:15 to 2:30 p.m.—Spanish lesson, Mrs. Doherty
- 2:30 to 3 p.m.—KHJ soloists
- 3 to 3:15 p.m.—Rev. Cole, "Practical Living"
- 3:15 to 3:30 p.m.—Commissioner, W. G. Thorpe
- 3:30 to 3:45 p.m.—Robertson, "The Dog Man"
- 3:45 to 4 p.m.—Dr. Lovell, health talk
- 4 to 5 p.m.—Matinee Melody Masters
- 5 to 5:30 p.m.—The Story Man
- 5:30 to 6 p.m.—Hank Howe's dance band
- 6 to 6:45 p.m.—Organ recital, with singer
- 6:45 to 7 p.m.—World-wide News
- 7 to 7:30 p.m.—Inglewood Cemetery program
- 7:30 to 8 p.m.—Charles Shepherd's Symphonishers
- 8 to 9 p.m.—Richfield Movie Club
- 9 to 10 p.m.—Goodrich Silvertown Cord program
- 10 to 12 midnight—Earl Burtnett's Biltmore Hotel Dance Orchestra and Trio
- 12 to 1 a.m.—Organ recital

468.5 Meters **KFI** **Channel 94**
640 Kcys. **5000 Watts**

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- 7 a.m.—S. & W. morning exercises, KPO
- 8 a.m.—Shell Happy Time from KPO
- 9 a.m.—Sadye Nathan, beauty talks
- 9:30 a.m.—Sarah Ellen Barnes' talk on Hollywood Bowl
- 10 a.m.—Woman's Magazine, NBC
- 11 a.m.—French lesson by Annette Doherty
- 11:15 a.m.—Katherine Edson talk on Rhythmic Movement
- 12 noon—Dept. of Agriculture talks
- 12:15 p.m.—Market reports
- 12:20 p.m.—Lieut. Schumaker
- 2 p.m.—Leon Archer
- 2:15 p.m.—Winnie Fields Moore
- 2:30 p.m.—Alma and Adele Howell
- 2:45 p.m.—Joseph Tolick, tenor
- 3 p.m.—A. Melvern Christie
- 4:30 p.m.—Big Brother
- 5 p.m.—Studio program
- 6 p.m.—Halsey Stuart program, NBC
- 6:30 p.m.—Libby, McNeill & Libby, NBC
- 7 p.m.—Nick Harris detective stories
- 7:30 p.m.—Standard Symphony, NBC
- 8:30 p.m.—Max Dolin and his Klyectroneers, NBC
- 9 p.m.—North American Bldg. & Loan Assn.
- 10 p.m.—Slumber Hour, NBC
- 11 p.m.—KFI News Bureau

508.2 Meters **KHQ** **Channel 59**
590 Kcys. **1000 Watts**

Louis Wasmer, Inc., Spokane, Washington

- 11 to 12 noon—Farmers' Service Hour
- 12 to 12:15 p.m.—Luncheon program
- 12:15 to 12:30 p.m.—Jones Musical Headlines
- 12:30 to 1 p.m.—Musical program
- 1 to 1:30 p.m.—Copeland Musical Review
- 1:30 to 1:45 p.m.—Modern Shops a la Mode
- 1:45 to 2 p.m.—Fur Facts
- 2 to 3 p.m.—Washington Home Service
- 3 to 4 p.m.—House of Myths, NBC
- 4 to 4:30 p.m.—The Eternal Question, NBC
- 4:30 to 5 p.m.—Victor Dance Orchestra, NBC
- 5 to 6 p.m.—Triodian String Ensemble
- 6 to 6:30 p.m.—Halsey Stuart, NBC
- 6:30 to 7 p.m.—Libby, McNeill & Libby, NBC
- 7 to 7:30 p.m.—Camburn's Dutch Dough Boys
- 7:30 to 8:30 p.m.—Standard Symphony, NBC
- 8:30 to 9 p.m.—Max Dolin's Klyectroneers, NBC
- 9 to 10 p.m.—Crescent's Old Time Band
- 10 to 11 p.m.—Associated Brass Band

280.2 Meters **KJBS** **Channel 107**
1070 Kcys. **1000 Watts**

J. Brunton & Sons, San Francisco, Calif.

- 7 to 8 a.m.—Early Bird Hour
- 8 to 10 a.m.—Favorite records
- 10 to 11 a.m.—Concert music
- 11 to 12 noon—Popular dance music
- 12 to 1 p.m.—Variety records
- 1 to 1:30 p.m.—Dell Raymond and Harry Miles
- 1:30 to 2 p.m.—Red Seal records
- 2 to 3 p.m.—Radio show program from Auditorium, "Songs of the Moment," with Al Sather, Grace Claire and June Douglas
- 3 to 4 p.m.—Radio Show program, Hot-N-Kold Radio Rodeo with Eddie Holden
- 4 to 4:30 p.m.—Radio Show program, presented by "Blindcraft," direction Ruth Quinan
- 4:30 to 5 p.m.—Radio Show program, presenting Ben Lipston, Jerry McMillan and Mike Caprero
- 5 to 6 p.m.—Dinner music
- 6 to 6:45 p.m.—New record releases

THURSDAY Programs

379.5 Meters **KGO** **Channel 79**
790 Kcys. **10,000 Watts**

General Electric Co., Oakland, California

9:30 to 10:30 a.m.—California Home Life
10:30 to 11 a.m.—Woman's Magazine, NBC
11 to 1 p.m.—Rembrandt Trio
3 to 4 p.m.—House of Myths, NBC
4 to 4:30 p.m.—Edward J. Fitzpatrick and his Hotel St. Francis Salon Orchestra
4:30 to 5 p.m.—Victor Talking Machine program, NBC
5 to 5:15 p.m.—Will R. Hill, Old Home Poet
5:15 to 5:30 p.m.—Dr. Albertine Richards Nash, consulting psychologist
5:30 to 6 p.m.—Stocks; S. F. produce, daily bulletins and news
6 to 6:30 p.m.—Halsey Stuart, NBC
6:30 to 7 p.m.—Libby McNeill, NBC
7 to 7:30 p.m.—NBC Concert Bureau Hour
7:30 to 8:30 p.m.—Standard Symphony Hour, NBC
8:30 to 9 p.m.—Max Dolin and his Kyelectro-neers, NBC
9 to 9:30 p.m.—Memory Lane, NBC
9:30 to 10 p.m.—The Olympians
10 to 11 p.m.—Slumber Hour, NBC
11 to 12 midnight—Musical Musketeers, NBC

265.3 Meters **KSL** **Channel 113**
1130 Kcys. **5000 Watts**

Radio Service Corp., Salt Lake City, Utah

4:30 p.m.—Victor Phonograph program, NBC
5:30 p.m.—Salt Lake Police Dept. presents educational talk
5:45 p.m.—“We Learn to Fly”
6 p.m.—Halsey Stuart, NBC
6:30 p.m.—Libby, McNeil & Libby, NBC
7 p.m.—Jack Summerhays, tenor, and group
7:30 p.m.—Metropolitan Trio
8 p.m.—Vico Male Quartet
8:30 p.m.—United Reproducers, NBC
9 p.m.—Studio program
10 p.m.—Irving Webb's dance orchestra

422.3 Meters **KFVD** **Channel 71**
710 Kcys. **250 Watts**

Auburn Fuller, Culver City, Calif.

7 a.m.—Hal Roach Happy-Go-Lucky Trio
9 a.m.—Dan Maxwell, comedian
10:30 a.m.—Dr. F. S. Hirsch
11:15 a.m.—Dr. Margaret Hallquist
11:30 a.m.—Carey Preston Rittmeister
12 noon—Tom Brenneman
12:30 p.m.—Tom and Wash
1:15 p.m.—Hal Roach Comedy Gossip
2 p.m.—Madame Lauro
3 p.m.—Auburn Orchestra
4 p.m.—Eldorado program
5:45 p.m.—Timely topics
8 p.m.—De Witt Hagar's program
8:30 p.m.—Good Humor Orchestra
9 p.m.—Auburn Orchestra
10 p.m.—KFVD Orchestra
11 to 1 a.m.—Sebastian's Cotton Club Orch.

267.7 Meters **KMIC** **Channel 112**
1120 Kcys. **500 Watts**

Dalton's, Inc., Inglewood, Calif.

5 p.m.—Request records
6 p.m.—Marie Hockings, organ recital
7 p.m.—Dance band and Peggy Price
7:30 p.m.—Playgoers' Club, Wedgwood Nowell
10:30 p.m.—Cinderella Roof Ballroom

340.7 Meters
880 Kcys.

KLX

Channel 88
500 Watts

Tribune Publishing Co., Oakland, Calif.

7 to 8 a.m.—Exercises; stock reports
8 to 9 a.m.—Jean Kent
9 to 9:30 a.m.—Modern Homes period
9:30 to 10:15 a.m.—Health questions answered
10:15 to 10:30 a.m.—Opening stocks, weather
10:30 to 11 a.m.—Recordings
11 to 12 noon—Classified Adv. Hour
12 to 1 p.m.—Machado's KLX Hawaiians
1 to 2 p.m.—Jean's Hi-Lights
2 to 2:30 p.m.—Recordings
2:30 to 4:30 p.m.—Baseball broadcast
4:30 to 5 p.m.—Organ recital, Chas. T. Besserer
5 to 5:30 p.m.—Brother Bob
5:30 to 6 p.m.—Cressy Ferrra, pianist
6 to 7 p.m.—Hotel Oakland Concert Trio
7 to 7:30 p.m.—News broadcast
7:30 to 8 p.m.—Edna Fisher
8 to 8:30 p.m.—Lorelei Trio
8:30 to 9 p.m.—Studio program
9 to 9:30 p.m.—Gospel hymns—M. J. Goodman, tenor, and Helen Wegman Parmelee, acc.
9:30 to 10:30 p.m.—Machado's KLX Hawaiians

322.4 Meters
930 Kcys.

KFWI

Channel 93
500 Watts

Radio Entertainments, San Francisco, Calif.

7 to 8 a.m.—Health exercises
10 to 10:30 a.m.—Charlie Glenn, “Songs of Yesterday”
10:30 to 10:50 a.m.—Dr. T. G. Linebarger
10:50 to 11 a.m.—Police reports, news items
12 to 1 p.m.—Recitations by Judson Johnson; The Mystery Tenor; Harriet Lewis, acc.
6 to 7 p.m.—Happy Chappies

239.9 Meters
1250 Kcys.

KFOX

Channel 125
1000 Watts

Nichols & Warinner, Long Beach, Calif.

12 to 1 p.m.—Novelty Trio
1 to 1:15 p.m.—“Health and Efficiency”
1:15 to 2 p.m.—Originality Girls
2 to 2:15 p.m.—Health talk
2:15 to 2:30 p.m.—Doris Dolan and Clarence
2:30 to 3 p.m.—Long Beach Municipal Band
3 to 3:30 p.m.—Organ recital, Roy L. Medcalfe
3:30 to 4 p.m.—Long Beach Municipal Band
4 to 4:20 p.m.—News report
4:20 to 5 p.m.—Old-time dance music
5 to 5:30 p.m.—Organ recital, Roy Medcalfe
5:30 to 6 p.m.—Hollywood Girls
6 to 6:05 p.m.—Lost and Found Department
6:05 to 6:30 p.m.—Hollywood Girls
6:30 to 7 p.m.—Sunset Harmony Boys
7 to 7:30 p.m.—Motor Tires Quartet
7:30 to 8 p.m.—Buster Wilson's orchestra
8 to 8:30 p.m.—Texas Cowboys
8:30 to 9 p.m.—Rebroadcast KFWE
9 to 9:30 p.m.—Cinderella Roof Ballroom
9:30 to 10 p.m.—Majestic Ballroom
10 to 10:30 p.m.—El Patio Ballroom
10:30 to 11 p.m.—Charlie Joslyn's orchestra
11 to 1 a.m.—Dorado Club, Four Red Coats

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FRIDAY Programs *Aug. 23, 1929*



Left to right—John Teel, Charles Hart, Eileen Piggott, Arthur Schwarzman, Ethel Wakefield and Myron Niesley
NBC—Participating in tonight's program at the Civic Auditorium

545.1 Meters
550 Kcys.
KTAB
Channel 55
500 Watts
Pickwick Broadcasting Co., Oakland, Calif.

- 7 to 8 a.m.—Eye Openers
- 8 to 9 a.m.—Recordings
- 9 to 9:30 a.m.—Morning prayer service
- 10 to 10:30 a.m.—Recordings
- 10:30 to 11 a.m.—Dr. Corley
- 11 to 12 noon—Chasing the Blues
- 12 to 1 p.m.—Sterling Cosmopolitans
- 1 to 1:30 p.m.—Chapel of the Chimes
- 1:30 to 2 p.m.—Fanchon's Style Chats
- 2 to 3 p.m.—Organ recital
- 3 to 4 p.m.—Matinee Melodists
- 4 to 5 p.m.—Home Towners
- 5 to 6 p.m.—Brother Bob's Frolic
- 6 to 6:30 p.m.—Barney Lewis
- 6:30 to 7 p.m.—Chapel of the Chimes
- 7 to 7:15 p.m.—Al Stensvoid, aviation
- 7:15 to 7:30 p.m.—Resort news
- 7:30 to 8 p.m.—Studio program
- 8 to 9 p.m.—Arthur Shaw, organist
- 9 to 9:30 p.m.—Geary Street program
- 9:30 to 10 p.m.—Detective story, "The Cobra"
- 10 to 11 p.m.—Pickwick Symphonette, with Joan Ray, contralto, and Octo Lindquist, baritone
- 11 to 1 a.m.—Nite Owls with Willard W. Kimball

340.7 Meters
880 Kcys.
KLX
Channel 88
500 Watts
Tribune Publishing Co., Oakland, Calif.

- 7 to 8 a.m.—Exercises; stock reports
- 8 to 9 a.m.—Jean Kent
- 9 to 9:30 a.m.—Modern Homes period
- 9:30 to 10:15 a.m.—Recordings
- 10:15 to 10:30 a.m.—Opening stocks, weather
- 10:30 to 10:50 a.m.—Records
- 10:50 to 11 a.m.—Belco talk
- 11 to 12 noon—Classified Adv. Hour
- 12 to 1 p.m.—Machado's KLX Hawaiians
- 1 to 2 p.m.—Jean's Hi-Lights
- 2 to 2:30 p.m.—Recordings
- 2:30 to 4:30 p.m.—Baseball broadcast
- 4:30 to 5 p.m.—Chas. T. Besserer, organist
- 5 to 5:30 p.m.—Brother Bob
- 5:30 to 6 p.m.—Cressy Ferra, pianist
- 6 p.m.—Curtain Calls
- 6 to 7 p.m.—Hotel Oakland Concert Trio
- 7 to 7:30 p.m.—News broadcast
- 7:30 to 8 p.m.—Edna Fisher
- 8 to 10 p.m.—Hi-Jinks—Fleur-de-Lis dance orchestra, Machado's KLX Hawaiians, Helen Wegman Parmelee, pianist; M. J. Goodman, tenor; Jeanne Rabinowitz, soprano; KLX Dreamers' Male Quartet, Fred Bounds, tenor; Maybelle Morrison, violinist; Amati Quartet, Margaret Vogel, contralto, and Howard Peterson, xylophonist

296.6 Meters
1010 Kcys.
KQW
Channel 101
500 Watts
First Baptist Church, San Jose, California

- 10 to 11 a.m.—Helpful Hour
- 11 to 12 noon—Palo Alto program
- 12:30 to 1 p.m.—Market reports, weather
- 1 to 1:30 p.m.—Hart's Happy Half Hour
- 1:30 to 2:30 p.m.—The Friendly Hour
- 2:30 to 3:30 p.m.—Musical program
- 5 to 5:30 p.m.—Children's program
- 5:30 to 5:45 p.m.—Musical program
- 5:45 to 6 p.m.—Frigidaire program
- 6 to 6:10 p.m.—U. S. D. A. farm flashes
- 6:10 to 6:30 p.m.—Crop Digest
- 6:30 to 6:50 p.m.—Market, weather reports
- 6:50 to 7 p.m.—Farmers' Exchange
- 7 to 8 p.m.—Farm Bureau Radio News
- 8 to 9 p.m.—KQW Minstrels
- 9 to 9:30 p.m.—Leda Gregory Jackson

361.2 Meters
830 Kcys.
KOA
Channel 83
12,500 Watts
General Electric Co., Denver, Colorado

- 5 to 5:30 p.m.—Interwoven Pair, NBC
- 5:30 p.m.—Stocks, markets, livestock, produce and news bulletins
- 5:55 to 6 p.m.—Road report
- 6 to 6:30 p.m.—Farm Question Box
- 6:30 to 7 p.m.—Armour & Co., NBC
- 7 to 7:15 p.m.—Pepsodent program, NBC
- 7:15 to 7:45 p.m.—Extension Service
- 7:45 to 8:15 p.m.—Denver Municipal Band
- 8:15 to 8:30 p.m.—News of the World
- 8:30 to 9 p.m.—Denver Municipal Band
- 9 to 9:30 p.m.—Borden's Milk Co., NBC
- 9:30 to 10 p.m.—The Stagecoachers
- 10 to 11 p.m.—Broadway Melodies, NBC

FRIDAY Programs

ABC

American Broadcasting Company

A—KJR, KEX, KGA, KYA, KDYL, KLZ
 B—KJR, KEX, KGA, KYA, KMTR, KDYL, KLZ
 C—KJR, KEX, KGA, KYA, KMTR
 D—KJR, KEX, KGA
 E—KJR, KEX, KGA, KDYL, KLZ, KMTR

8 to 9 a.m.—Early Morning Serenaders—C
 9 to 9:30 a.m.—Better Homes program—C
 9:30 to 9:45 a.m.—Novelty program—C
 9:45 to 10 a.m.—Devotional service, Rev. W. P. Roberts; Hallie F. Staude, soloist—C
 10 to 11 a.m.—American Popular Orchestra—B (KYA 10 to 10:30)
 11 to 12 noon—Warren Anderson's Olympic Rangers and Anthony Euwer—B (KYA to 11:45)
 12 to 12:15 p.m.—World in Review—E
 12:15 to 12:30 p.m.—Vignette's Moderns—B
 12:30 to 1:30 p.m.—Warren Anderson's Olympic Rangers—B
 1:30 to 2 p.m.—Song recital, Merle North and Sydney Dixon—B (KYA at 1:45)
 2 to 3 p.m.—American Artistic Ensemble; Hallie F. Staude and Nathan Stewart, soloists—C less KMTR (KYA to 2:45)
 3 to 4 p.m.—Olympic Rangers—E
 4 to 5 p.m.—Here and There with Burton W. James—B (KYA at 4:30)
 6 to 6:30 p.m.—Children's Hour, Pacific Salon Orchestra; Dolly O'Day and Helen Troy—C plus KFBK
 6:30 to 7 p.m.—"On Parade," Pacific Salon Orchestra—B plus KFBK
 7 to 7:15 p.m.—Cecil and Sally in "The Funniest Things"—B plus KFBK
 7:15 to 7:30 p.m.—John and Ned "The Twins"—B plus KFBK
 7:30 to 8 p.m.—Four Service Station Boys—C plus KFBK
 7:30 to 8 p.m.—Woodwind Ensemble with Dorothy Lewis, soloist—KLZ
 8 to 9 p.m.—Neapolitan Nights—B plus KFBK
 9 to 10 p.m.—Georgie Stoll's Rhythm Aces and Metro and Cosmo—B plus KFBK
 10 to 11 p.m.—Dancing Strings, special arrangements by the Pacific Salon Orchestra, Liborius Hauptmann, director—B plus KFBK
 11 to 12 midnight—Stoll's Rhythm Aces, with the Girl and Boy Friend—B plus KFBK

280.2 Meters **KJBS** **Channel 107**
1070 Kcys. **100 Watts**

J. Brunton & Sons, San Francisco, Calif.

7 to 8 a.m.—Early Bird Hour
 8 to 10:45 a.m.—Variety recording
 10:45 to 11 a.m.—Dr. Wiseman, health talk
 11 to 12 noon—Instrumental recordings
 12 to 1 p.m.—Popular dance tunes
 1 to 2 p.m.—Red Seal records
 2 to 2:30 p.m.—Radio Show program from Civic Auditorium; Cressy Ferra and KJBS Troubadour
 2:30 to 3 p.m.—Radio Show program; Charles William Warriner, bass baritone
 3 to 4 p.m.—Radio Show program, Hot-N-Kold Radio Rodeo, with Eddie Holden
 4 to 5 p.m.—Radio Show program, Dell Raymond, Harry Miles, June Franklin, Ray O'Donnell and Dell Perry
 5 to 6:15 p.m.—Popular dance music
 6:15 to 6:45 p.m.—Barnes' Sunset Revue

379.5 Meters
790 Kcys.

KGO

Channel 79
10,000 Watts

General Electric Co., Oakland, California

9:30 to 10:15 a.m.—California Home Life
 10:15 to 10:30 a.m.—The Libby Kitchen, NBC
 10:30 to 11:30 a.m.—Woman's Magazine, NBC
 11:30 to 12 noon—Studio staff program
 12 to 1 p.m.—Pacific Little Symphony, NBC
 1 to 1:15 p.m.—Weather, stocks; daily bulletins
 4 to 4:30 p.m.—Edward J. Fitzpatrick and his Hotel St. Francis Salon Orchestra
 4:30 to 5 p.m.—Tom King, detective stories
 5 to 5:30 p.m.—Interwoven Pair, NBC
 5:30 to 6 p.m.—Stocks; S. F. produce, daily bulletins and news
 6 to 6:30 p.m.—Summer Melodies, NBC
 6:30 to 7 p.m.—Armour program, NBC
 7 to 8 p.m.—Victor Green Room, NBC
 8 to 9 p.m.—RCA Hour, NBC
 9 to 9:30 p.m.—"Borden Dairy," NBC
 9:30 to 10 p.m.—The Three Boys
 10 to 11 p.m.—Western Artist Series concert; Antonio de Grassi, violin; Eva Garcia, piano
 11 to 12 midnight—Henry Halstead's Hotel St. Francis Dance Orchestra

322.4 Meters
930 Kcys.

KFWI

Channel 93
500 Watts

Radio Entertainments, San Francisco, Calif.

7 to 8 a.m.—Health exercises
 9 to 9:30 a.m.—Cal King's Country Store
 9:30 to 10 a.m.—Recordings
 10 to 10:30 a.m.—Charlie Glenn, "Songs of Yesterday"
 10:30 to 10:50 a.m.—Dr T. G. Linebarger
 10:50 to 11 a.m.—News items, police reports
 12 to 1 p.m.—Luncheon program
 1 to 1:30 p.m.—Cal King's Country Store
 1:30 to 2 p.m.—Maybelle Payne, mezzo-soprano; Leland Morgan, accompanist
 2 to 2:30 p.m.—"Pal of the Air"
 6 to 6:30 p.m.—Leta Thompson, pianist; assisting artists
 6:30 to 7 p.m.—Georgia Noble, 13-year-old pianist
 8:30 to 9 p.m.—Carlos Sebastian, baritone
 9 to 9:30 p.m.—Happy Chappies
 9:30 to 11 p.m.—Novelty Hour

333.1 Meters
900 Kcys.

KHJ

Channel 90
1000 Watts

Don Lee, Inc., Los Angeles, California

7 to 7:30 a.m.—Physical culture period
 7:30 to 8 a.m.—Recordings
 8 to 9 a.m.—Woodlands Breakfast Club
 9 to 9:30 a.m.—Breakfast Nook Philosophy
 10 to 11 a.m.—Agnes White, "At Our House"
 11 to 11:30 a.m.—Recordings
 12 to 12:30 p.m.—Biltmore Concert Orchestra
 12:30 to 12:45 p.m.—World-wide News
 12:45 to 1:30 p.m.—Leigh Harline, organist
 1:30 to 2 p.m.—Charlie Wellman's requests
 2 to 2:30 p.m.—U. S. C "Trojan" period
 2:30 to 3 p.m.—KHJ soloists
 3 to 3:15 p.m.—Eric Mayne, readings
 3:15 to 3:30 p.m.—Dr. Herzog's School program
 3:30 to 4 p.m.—International Relations
 4 to 5 p.m.—Silverwood's program
 5 to 5:30 p.m.—The Story Man
 5:30 to 6 p.m.—Hank Howe's dance band
 6 to 6:45 p.m.—Organ recital
 6:45 to 7 p.m.—World-wide News
 7 to 7:30 p.m.—Pelton Motor program
 7:30 to 8 p.m.—Capistrano Beach program
 8 to 9 p.m.—Forest Lawn program
 9 to 9:30 p.m.—Don Lee Symphony
 9:30 to 10 p.m.—Veedol program
 10 to 12 midnight—Earl Burnett's Biltmore Hotel Dance Orchestra and Trio
 12 to 1 a.m.—Organ recital, Wesley Tourtellotte

FRIDAY Programs

NBC

National Broadcasting Company

10:15 to 10:30 a.m.—Mary Hale Martin's Household Period

Mary Hale Martin will be heard in a fifteen-minute talk. On this Mary Hale Martin's Household Period housewives will be given new recipes and tempting menus.

Broadcast through KHQ, KOMO, KGW, KGO, KPO, KFI and KSL.

10:30 to 11:30 a.m.—Woman's Magazine of the Air

Bennie Walker, editor, Ann Holden and John D. Barry, columnist and critic, will be heard this morning.

Miss Holden will talk during the Kraft and Alpine features of the Magazine.

Bennie will conduct the broadcast and will be heard in a group of solos. Instrumental and vocal numbers will complete the program, which will be heard through stations KHQ, KOMO, KGW, KGO, KPO and KFI.

12 to 1 p.m.—Pacific Little Symphony

The overture to Rossini's almost-forgotten opera "William Tell" will be played by the orchestra under Charles Hart's direction as the transcontinental broadcast goes on the air.

Broadcast through KOMO and KGO.

5 to 5:30 p.m.—Interwoven Pair

The nation-wide audience of NBC system stations will hear the Interwoven Pair presenting a half hour of comedy and music broadcast through KHQ, KOMO, KGW, KGO, KPO and KFI.

6 to 6:30 p.m.—Summer Melodies

Dolores Cassinelli, soprano, Julian Oliver, tenor, and an orchestra directed by Harry Horlick will entertain through stations KGO and KPO.

6:30 to 7 p.m.—Armour program

With Josef Koestner directing, the 30-piece Armour Orchestra will broadcast a half hour of diversified music.

A chorus of 18 trained voices, the Armour Trio and Fred Waldner, tenor, are the vocalists for this Armour program.

Broadcast through KHQ, KOMO, KGW, KGO, KPO and KFI.

7 to 8 p.m.—Victor Green Room

"La Princesse Jaune" Overture by Saint-Saens will set the tone of the classical one-hour program of the Victor Green Room.

Interpretations will be by an 18-piece Green Room orchestra with Charles Hart in the conductor's stand and a group of vocal and instrumental soloists.

Eileen Piggott, soprano, and Eva Gruninger Atkinson, contralto, are the feminine artists and Myron Niesley, tenor, and John Teel, baritone, round out the mixed quartet. Alfred Arriola, trumpeter, and Clark Wilson, saxophonist, are the instrumental soloists.

Broadcast through KHQ, KGW and KGO.

8 to 9 p.m.—R. C. A. Hour

"Cavalleria Rusticana," the famous one-act opera by Pietro Mascagni, will be presented during the R. C. A. "University of the Air" Hour tonight.

With Max Dolin directing, the R. C. A. Opera Company will interpret this outstanding opera as a feature of the Friday night

program at the Sixth Pacific Radio Show in San Francisco. The entire glass-enclosed studio where the dramatic value will not be lost to the exposition audience.

The radio audience may picture a chorus of peasants and villagers in colorful Sicilian costumes headed by Barbara Blanchard, Margaret O'Dea, Harold Spaulding and Austin Mosher, who are to sing the leading roles of the swift-moving drama.

Miss Blanchard will be heard as Santuzza and Lucia O'Dea as Lola, wife of Alfio, and as Lucia. Spaulding will sing Turiddu, the young soldier, and Mosher will be heard as Alfio, a teamster.

A synopsis of the opera follows:

The time is Easter Day and the setting a Sicilian village.

Turiddu, a young peasant, has loved and wooed Lola before leaving the Italian military service. Upon his return home, he finds that she has married Alfio, a wealthy teamster, and consoles himself with another peasant girl, Santuzza, to whom he promises marriage.

Lola, regretting that Turiddu should love another, flirts with him and incites Santuzza's jealousy. Santuzza appeals to Turiddu's mother, Lucia, but will not be consoled. Afterward she begs Turiddu not to leave her dishonored, but he flings her away and enters the church. Santuzza retaliates by exposing Lola's secret love for Turiddu to Alfio.

With the stage empty, the famous intermezzo is played by the orchestra. The people remain in the church and the interlude marks an imaginary curtain, a forecast of tragic things to come.

After the church service Alfio and Turiddu meet outside Mother Lucia's tavern. Turiddu invites everyone to drink wine. Alfio refuses. The music takes a tragic tone. In a brief chorus the men and women leave the tense scene. The adversaries embrace, Alfio biting Turiddu on the ear, the Sicilian challenge to mortal combat. Turiddu repents his folly and his betrayal of Santuzza. In a song of farewell to his mother he leaves Santuzza to her care and hurries into the garden, off stage, to meet Alfio.

As the opera closes, military police arrive and the death of Turiddu is announced to the horrified peasants. Santuzza faints as the curtain is drawn.

Broadcast through KHQ, KOMO, KGW, KGO, KPO and KFI.

9 to 9:30 p.m.—Borden Dairy program

Popular syncopations and ballads will entertain the radio audience when the Borden Dairy program is broadcast tonight from the spacious glass-enclosed studio at the Sixth Pacific Radio Show in San Francisco's Civic Auditorium, where the Borden Blue and White Band will entertain for an hour.

Broadcast through KHQ, KOMO, KGW, KGO, KPO, KFI, KSL and KOA.

10 to 11 p.m.—Broadway Melodies

Songs and dance melodies that are Broadway favorites will entertain the NBC audience tonight from the studio at the Sixth Pacific Radio Show in the Civic Auditorium, San Francisco. Easton Kent, Ethel Wakefield, Marian Gilbert, John Teel and the Pepper Maids will be the soloists on this program. Charles Hart will direct the orchestra.

Broadcast through KGW, KFI and KOA.

11 to 12 midnight—Musical Musketeers

Walter Beban directs the 14-piece band which will interpret a group of especially arranged song and dance favorites.

Broadcast through KOMO, KGW and KPO.

FRIDAY Programs

440.9 Meters **KPO** **Channel 68**
680 Kcys. **5000 Watts**
Hale Bros. & The Chronicle, San Francisco
 7 to 8 a.m.—S & W health exercises by Hugh Barrett Dobbs, with William H. Hancock
 8 to 9 a.m.—Shell Happy Time by Hugh Barrett Dobbs and William H. Hancock
 9:30 to 10 a.m.—Dobbsie's Daily Chat
 10 a.m.—Bank of America of Calif.
 10:15 to 10:30 a.m.—Libby, McNeill & Libby, NBC
 10:30 to 11:30 a.m.—Magazine of the Air, NBC
 12 to 12:05 p.m.—Time signals, Scripture reading and announcements
 12:05 to 12:45 p.m.—KPO Carolers
 12:45 to 1:30 p.m.—Commonwealth Club luncheon
 1:30 to 2 p.m.—Jerry Jermaine, with Elmer Herling, baritone
 2 to 2:30 p.m.—House of Dreams, Paul Pitman
 2:30 to 2:43 p.m.—Stock market quotations
 2:43 to 2:45 p.m.—Kozak Radiogram
 2:45 to 4:30 p.m.—Baseball broadcast
 4:30 to 4:40 p.m.—Stock market quotations
 4:40 to 5 p.m.—Children's Hour
 5 to 5:30 p.m.—Interwoven Pair, NBC
 5:30 to 5:45 p.m.—Federal Business Ass'n talk
 5:45 to 6 p.m.—Book review by Harold Small
 6 to 6:30 p.m.—Summer Melodies, NBC
 6:30 to 7 p.m.—Armour & Co., NBC
 7 to 8 p.m.—The Reo Masters of Music
 8 to 9 p.m.—RCA Hour, NBC
 9 to 9:30 p.m.—Borden, NBC *Pacific*
 9:30 to 10 p.m.—Tommy Monroe and Bob Allen
 10 to 11 p.m.—Jesse Stafford's dance orchestra
 11 to 11:02 p.m.—Kozak Radiograms
 11:02 to 12 midnight—Musical Musketees, NBC

285.5 Meters **KNX** **Channel 105**
1050 Kcys. **5000 Watts**
L. A. Evening Express, Los Angeles, Calif.
 6:45 to 8 a.m.—Exercises
 8 to 8:15 a.m.—Record program
 8:15 to 8:30 a.m.—Inspirational talk
 8:30 to 8:55 a.m.—"A Menu for Sunday Dinner"
 9:15 to 9:30 a.m.—Belco talks
 9:30 to 10 a.m.—Radio shopping news
 10 to 10:30 a.m.—Town Crier of the Day
 10:30 a.m.—Radio Church of the Air
 11 to 11:30 a.m.—W. C. T. U.
 11:30 to 12 noon—Helen Pentony
 12 to 12:30 p.m.—Musical program
 12:30 to 12:45 p.m.—Alder travlogue
 1:30 to 2 p.m.—The Bookworm
 2 to 2:30 p.m.—Records and announcements
 3:30 to 4 p.m.—Federation of Women's Clubs
 4 to 4:15 p.m.—Lost and found; stock reports
 4:15 to 4:30 p.m.—Belco talks
 4:30 to 5 p.m.—C. P. R.'s musical program
 5:15 to 5:45 p.m.—Chet Mittendorf
 5:45 to 6 p.m.—Timely amusement tips
 6 to 6:30 p.m.—Organ program by Florence Le Mae
 6:30 to 7 p.m.—KNX Concert Orchestra
 7 to 7:30 p.m.—KNX feature artists
 7:30 to 8 p.m.—Program typical of the state of Maine
 8 to 9 p.m.—Royal Order of Optimistic Do-Nuts
 9 to 9:45 p.m.—Lion Tamers
 9:45 to 10 p.m.—Main event from the Hollywood Legion Stadium
 10 to 12 midnight—Jackie Taylor and his Co-coanut Grove Orchestra
 12 to 1 a.m.—The Dorado Club dance hour

243.8 Meters **KYA** **Channel 123**
1230 Kcys. **1000 Watts**
Pacific Broadcasting Corp., San Francisco
 8 to 9 a.m.—Early Morning Serenaders, ABC
 9 to 9:30 a.m.—Mary Cooke, better homes, ABC
 9:30 to 9:45 a.m.—Eaton and Robillard, ABC
 9:45 to 10 a.m.—Devotional service, ABC
 10 to 10:30 a.m.—American Popular Orch., ABC
 10:30 to 11 a.m.—Oregon City Boys, Clem Kennedy and George Taylor
 11 to 11:45 a.m.—Warren Anderson's Olympic Rangers and Anthony Euwer, ABC
 11:45 to 12 noon—Ala Maja
 12 to 12:15 p.m.—Examiner news
 12:15 to 12:30 p.m.—Novelty, ABC
 12:30 to 1:30 p.m.—Olympic Rangers, ABC
 1:30 to 1:45 p.m.—Prudence Penny
 1:45 to 2 p.m.—Song recital, ABC
 2 to 2:45 p.m.—Artistic Ensemble, ABC
 2:45 to 4:45 p.m.—Baseball, Recreation Park
 4:45 to 6 p.m.—News and Rhythm Aces
 6 to 6:30 p.m.—The Children's Hour, ABC
 6:30 to 7 p.m.—Pacific Salon Orchestra, ABC
 7 to 7:15 p.m.—Cecil and Sally, ABC
 7:15 to 7:30 p.m.—John and Ned, ABC
 7:30 to 8 p.m.—Four Service Boys of the Union Oil Co., ABC
 8 to 9 p.m.—Neapolitan Nights, ABC
 9 to 10 p.m.—Metro and Cosmo and Rhythm Aces, ABC
 10 to 11 p.m.—Dancing Strings, ABC
 11 to 12 midnight—Rhythm Aces, ABC

315.6 Meters **KFWB** **Channel 95**
950 Kcys. **1000 Watts**
Warner Brothers, Hollywood, California
 8 a.m.—Harry Q. Mills, organist; Harmony Quartet and entertainers
 9 a.m.—Sylvia and Al
 10 a.m.—Harmony Hour
 11:45 a.m.—Louise Sullivan's trio
 12:30 p.m.—Housekeepers' Chat
 12:45 p.m.—Air Journal
 1:15 p.m.—Prof. Moore's orchestra
 1:45 p.m.—Air Journal
 2:10 p.m.—Coast League baseball game
 4:30 p.m.—Radio Varieties
 6:20 p.m.—Musical program
 6:30 p.m.—Harry Jackson's entertainers
 7 p.m.—Don Warner's dance orchestra
 7:45 p.m.—Daily news items
 8 p.m.—Continuity program
 8:30 p.m.—Ray Martinez Concert Orchestra and soloists
 9:30 p.m.—Concert orchestra and soloists
 10 p.m.—Irving Aaronson and his Commanders
 11 p.m.—Prof. Moore's orchestra
 12 midnight—Organ recital

483.6 Meters **KGW** **Channel 62**
620 Kcys. **1000 Watts**
The Morning Oregonian, Portland, Oregon
 7:45 to 8 a.m.—Devotional services
 8 to 9 a.m.—Shell Happy Time
 9 to 9:20 a.m.—Oregonian Cooking School
 9:20 to 10:15 a.m.—The Town Crier
 10:30 to 11:30 a.m.—Woman's Magazine, NBC
 4 to 5 p.m.—Organ recital
 5 to 5:30 p.m.—Interwoven Pair, NBC
 5:30 to 5:35 p.m.—Music
 5:35 to 5:40 p.m.—Fishing bulletin
 5:40 to 6:30 p.m.—Studio program
 6:30 to 7 p.m.—Armour Co. program, NBC
 7 to 8 p.m.—Green Room, NBC
 8 to 9 p.m.—RCA Hour, NBC
 9 to 9:30 p.m.—Borden's Sales program, NBC
 9:30 to 10 p.m.—Veedol Vaudeville, KOMO
 10 to 11 p.m.—Broadway Melodies, NBC
 11 to 12 midnight—Dance music

FRIDAY Programs

491.5 Meters KFRG Channel 61
610 Kcys. 1000 Watts

Don Lee, Inc., San Francisco, Calif.

- 7 to 8 a.m.—Simpzy Fitts
- 7:30 a.m.—Stock Exchange
- 8 to 9 a.m.—Musical record program
- 9 to 9:30 a.m.—Georgia O. George
- 10 to 11 a.m.—Wyn's Daily Chats
- 11 to 11:30 a.m.—Domestic Science talk
- 11:30 to 11:45 a.m.—Raladam broadcast
- 11:45 to 12 noon—Amateur auditions
- 12 to 1 p.m.—Sherman-Clay noonday concert
- 1 to 1:30 p.m.—Leigh Harline, organist
- 1:30 to 2 p.m.—Charlie Wellman
- 3 to 3:30 p.m.—Musical record program
- 3:30 to 3:35 p.m.—Something About Everything
- 3:35 to 4 p.m.—News and lost and found
- 4 to 4:55 p.m.—Matinee Melody Masters
- 4:55 to 5 p.m.—Town Topics
- 5 to 5:30 p.m.—Storyman and his Aircastle
- 5:30 to 6 p.m.—Hank Howe and his music
- 6 to 6:15 p.m.—Studio program
- 6:15 to 7 p.m.—Pat Frayne, sports
- 7 to 7:30 p.m.—KFRG Orchestra and soloist
- 7:30 to 8 p.m.—Anna Kristina program
- 8 to 8:30 p.m.—A. C. Dayton "Navigators"
- 8:30 to 9 p.m.—"Brunswick Brevities," featuring Al Jolson, a famous concert orchestra, two dance orchestras
- 9 to 9:30 p.m.—Lucille Atherton Harger, Juanita Tennyson and orchestra
- 9:30 to 10 p.m.—Veedol Vodvil
- 10 to 11 p.m.—Anson Weeks' Hotel Mark Hopkins Orchestra
- 11 to 12 midnight—Tom Gerunovich and his Roof Garden Orchestra
- 12 to 1 p.m.—Dorado Club Silver Fizz dance music

239.9 Meters KFOX Channel 125
1250 Kcys. 1000 Watts

Nichols & Warinner, Long Beach, Calif.

- 5 to 7 a.m.—Remote control, KGFJ
- 7 to 7:30 a.m.—Hello Everybody
- 7:30 to 8:15 p.m.—Early news, records
- 8:15 to 8:45 a.m.—Bright and Early Hour
- 8:45 to 11 a.m.—Musical program
- 11 to 11:10 a.m.—Beauty talk, Mae Day
- 11:10 to 11:30 a.m.—Studio orchestra
- 11:30 to 11:50 a.m.—Early news report
- 11:50 to 12 noon—Studio program
- 12 to 1 p.m.—Hollywood Girls
- 1 to 1:30 p.m.—Masonic luncheon
- 1:30 to 2 p.m.—Motor Tires Quartet
- 2 to 2:15 p.m.—Health talk
- 2:15 to 2:30 p.m.—Doris Dolan and Clarence
- 2:30 to 3 p.m.—Long Beach Municipal Band
- 3 to 3:30 p.m.—Organ recital, Roy L. Medcalfe
- 3:30 to 4 p.m.—Long Beach Municipal Band
- 4 to 4:20 p.m.—News report
- 4:20 to 5 p.m.—Varsity boys
- 5 to 5:30 p.m.—Organ recital, Roy L. Medcalfe
- 5:30 to 6 p.m.—Hollywood Girls
- 6 to 6:05 p.m.—Lost and Found Department
- 6:05 to 6:30 p.m.—Hollywood Girls
- 6:30 to 7 p.m.—Originality Girls
- 7 to 7:30 p.m.—Four Bluebirds
- 7:30 to 8 p.m.—Buster Wilson's orchestra
- 8 to 9 p.m.—Orchestra and quartet
- 9 to 9:30 p.m.—Cinderella Roof Ballroom
- 9:30 to 10 p.m.—Majestic Ballroom
- 10 to 10:30 p.m.—El Patio Ballroom
- 10:30 to 11 p.m.—Charlie Joslyn's orchestra
- 11 to 1 a.m.—Dorado Club, Four Red Coats

468.5 Meters KFI Channel 94
640 Kcys. 5000 Watts
 Copyright, 1929, E. C. Anthony, Inc., L. A.

- 7 a.m.—Morning exercises, KFI-KPO
- 8 a.m.—Shell Happy Time from KPO
- 9 a.m.—Bess Kilmer's Hints to Housewives
- 9:30 a.m.—Sarah Ellen Barnes' talk on Hollywood Bowl
- 10:15 a.m.—Libby, McNeill & Libby, NBC
- 10:30 a.m.—Woman's Magazine, NBC
- 11:30 a.m.—Ivar
- 12 noon—Agriculture talks
- 12:15 p.m.—Market reports
- 12:25 p.m.—Franklin L. Graves, talk
- 2 p.m.—Leon Archer; William Don, English comedian
- 3 p.m.—Variety Hour
- 3:45 p.m.—Hugo Escobar, Spanish lesson
- 4 p.m.—E. H. Rust, nurseryman
- 4:30 p.m.—Big Brother
- 5 p.m.—Interwoven Pair, NBC
- 5:30 p.m.—Glen Edmund and his collegians
- 6:30 p.m.—Armour & Co.
- 7:30 p.m.—United Building & Loan Corp.
- 8 p.m.—RCA Hour, NBC
- 9 p.m.—Borden Sales Co., NBC
- 9:30 p.m.—Studio program
- 10 p.m.—Broadway Melodies
- 11 p.m.—KFI News Bureau

265.3 Meters KSL Channel 113
1130 Kcys. 5000 Watts

Radio Service Corp., Salt Lake City, Utah

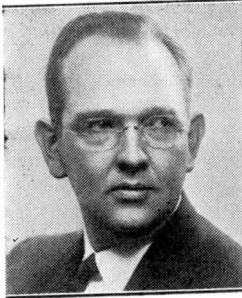
- 5 p.m.—Interwoven Pair, NBC
- 5:30 p.m.—U. S. Forestry Service program
- 6 p.m.—The Elgin Four, male quartet
- 6:30 p.m.—Armour & Co., NBC
- 7 p.m.—Studio program
- 8:30 p.m.—Osborne Sisters, harmony singers; Leroy Johnson, popular basso, and Donald Cope, violinist, assisted by Afton Pitt.
- 9 p.m.—Borden program, NBC
- 9:30 p.m.—Studio program
- 10 p.m.—Broadway Melodies, NBC

508.2 Meters KHQ Channel 59
590 Kcys. 1000 Watts

Louis Wasmer, Inc., Spokane, Washington

- 7 to 7:30 a.m.—Sunrise Pep Period
- 7:30 to 8 a.m.—Model Musical Klock
- 8 to 9 a.m.—Shell Happy Time
- 9 to 10 a.m.—Musical Bazaar
- 10 to 10:15 a.m.—Sunshine Liberty organ
- 10:15 to 10:30 a.m.—Libby, McNeil, NBC
- 10:30 to 11:10 a.m.—Woman's Magazine, NBC
- 11:10 to 12 noon—Farmers' Service Hour
- 12 to 12:15 p.m.—Luncheon program
- 12:15 to 12:30 p.m.—Jones Musical Headlines
- 12:30 to 1 p.m.—Musical program
- 1 to 1:30 p.m.—Copeland Musical Review
- 1:30 to 1:45 p.m.—Modern Shops a la Mode
- 1:45 to 2 p.m.—Fur Facts
- 2 to 3 p.m.—Gems from Sartori
- 3 to 3:30 p.m.—Theatrical Preview
- 3:30 to 4 p.m.—"Paint o' Mine" period
- 4 to 5 p.m.—Triodian String Ensemble
- 5 to 5:30 p.m.—Interwoven Stocking Co., NBC
- 5:30 to 6 p.m.—Triodian String Ensemble
- 6 to 6:30 p.m.—Davenport Hotel Dance Orch.
- 6:30 to 7 p.m.—Armour Co. program, NBC
- 7 to 8 p.m.—Victor Green Room, NBC
- 8 to 9 p.m.—R. C. A. Hour, NBC
- 9 to 9:30 p.m.—Borden Farm program, NBC
- 9:30 to 10 p.m.—Veedol Vodvil
- 10 to 10:15 p.m.—Alice in Lauderland
- 10:15 to 12 midnight—Davenport Hotel Dance Orchestra

SATURDAY Programs Aug. 24, 1929



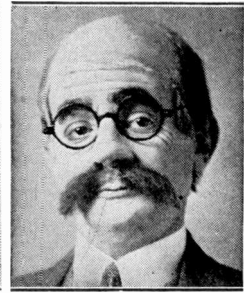
Mynard Jones
NBC—10 p.m.



Olivia Robins Dunn
KGO—7:45 p.m.



Mary Groom
NBC—10 p.m.



Prof. Herman
Schnitzel
KYA—9 p.m.

440.9 Meters
680 Kcys. **KPO** **Channel 68**
5000 Watts

Hale Bros. & The Chronicle, San Francisco
7 to 8 a.m.—S & W health exercises by Hugh Barrett Dobbs and William H. Hancock
8 to 9 a.m.—Shell Happy Time by Hugh Barrett Dobbs and William H. Hancock
9:30 to 10 a.m.—Dobbsie's Daily Chat
10 a.m.—Bank of America of Calif.
10:30 to 11:15 a.m.—National Farm and Home Hour, NBC
12 to 12:05 p.m.—Time signals, Scripture reading and special announcements
12:05 to 1 p.m.—Aeolian Trio
1 to 1:30 p.m.—Jerry Jermaine for Hales
1:30 to 2 p.m.—Ann Warner's Home Chats
2:30 to 2:43 p.m.—Ye Towne Cryer
2:43 to 2:45 p.m.—Kozak Radiograms
2:45 to 4:30 p.m.—Baseball broadcast
4:30 to 4:40 p.m.—Stock market quotations
4:40 to 5 p.m.—Children's Hour
5 to 6 p.m.—General Electric program, NBC
6 to 7 p.m.—Lucky Strike Hour, NBC
7 to 8 p.m.—Daily Reelogue
8 to 8:30 p.m.—Temple of the Air, NBC
8:30 to 10 p.m.—Hollywood Bowl concert, NBC
10 to 11 p.m.—Earle C. Anthony, Inc., Packard program, KPO and KFI
11 to 12 midnight—Jesse Stafford's Palace Hotel Dance Orchestra

483.6 Meters
620 Kcys. **KGW** **Channel 62**
1000 Watts

The Morning Oregonian, Portland, Oregon
7:45 to 8 a.m.—Devotional services
8 to 9 a.m.—Shell Happy Time
9 to 9:20 a.m.—Oregonian Cooking School
9:20 to 10:30 a.m.—Town Crier
10:30 to 11:15 a.m.—National Farm and Home Hour, NBC
1 to 2 p.m.—Organ recital
2 to 4 p.m.—Musical Masterworks
4 to 5 p.m.—Cavalcade program, NBC
5 to 6 p.m.—General Electric Co., NBC
6 to 7 p.m.—Lucky Strike Hour, NBC
7 to 8 p.m.—Nights in Spain, NBC
8 to 8:30 p.m.—Temple program, NBC
8:30 to 10 p.m.—Hollywood Bowl Symphony, NBC
10 to 12 midnight—Dance music

340.7 Meters
880 Kcys. **KLX** **Channel 88**
500 Watts

Tribune Publishing Co., Oakland, Calif.
7 to 8 a.m.—Exercises; stock reports
8 to 9 p.m.—Jean Kent
9 to 9:30 a.m.—Modern Homes period
9:30 to 10:15 a.m.—Health questions answered
10:15 to 10:30 a.m.—Opening stocks, weather
10:30 to 11 a.m.—Recordings
11 to 12 noon—Classified Adv. Hour
12 to 1 p.m.—Machado's KLX Hawaiians
1 to 2 p.m.—Jean's Hi-Lights
2 to 2:30 p.m.—Recordings
2:30 to 4:30 p.m.—Baseball broadcast
4:30 to 5 p.m.—Chas. T. Besserer, organist
5 to 5:30 p.m.—Brother Bob
5:30 to 6 p.m.—Cressy Ferra, pianist
6 to 7 p.m.—Hotel Oakland Concert Trio
7 to 7:30 p.m.—News broadcast
7:30 to 8 p.m.—Edna Fisher
8 to 9 p.m.—Helen Wegman Parmelee, uianist; Grace Burroughs, violinist, and Helga Brown, mezzo-soprano
9 to 10 p.m.—Recordings

468.5 Meters
640 Kcys. **KFI** **Channel 64**
5000 Watts

Copyright, 1929, E. C. Anthony, Inc., L. A.
7 a.m.—S. & W. morning exercise, KPO
8 a.m.—Shell Happy Time from KPO
9:30 a.m.—Barker Brothers
10:30 a.m.—National Farm and Home Hour, NBC
11:45 a.m.—French lesson by Annette Doherty
12 noon—Agriculture talks
12:15 p.m.—Market reports
1:30 p.m.—Dicky Thomas, acc. Berta Hill
2 p.m.—Julia Hodges, Spanish songs
2:30 p.m.—Amphion Trio
3:30 p.m.—Glen Edmund's Collegians
5 p.m.—General Electric Co., NBC
6 p.m.—Lucky Strike Hour, NBC
7 p.m.—Studio program
7:55 p.m.—Better Business Bureau talks
8 p.m.—Temple of the Air, NBC
8:30 p.m.—Hollywood Bowl concert, NBC
10 p.m.—Earle C. Anthony, Packard program, KPO, KFI
11 p.m.—KFI News Bureau
11:15 p.m.—KFI Midnight Frolic

SATURDAY Programs

NBC

National Broadcasting Company

10:30 to 11:15 a.m.—National Farm and Home Hour

Broadcast through a transcontinental network of NBC system stations, the National Farm and Home Hour will be heard through KHQ, KOMO, KGW, KGO, KPO and KFI.

4 to 5 p.m.—The Cavalcade

Broadcast through KOMO, KGW and KGO.

5 to 6 p.m.—General Electric Hour

The nation-wide audience of NBC system stations will hear the General Electric Hour broadcast through KHQ, KOMO, KGW, KGO, KPO and KFI.

6 to 7 p.m.—The Lucky Strike Hour

An hour of dance tunes will be played by B. A. Rolfe and the Lucky Strike Dance Orchestra.

Broadcast through KHQ, KOMO, KGW, KGO, KPO and KFI.

7 to 8 p.m.—Nights in Spain

The romance of moonlit nights in Latin lands will go through the air when the Nights in Spain musicale is broadcast.

With Max Dolin in the conductor's stand, the orchestra will play first Valverde's "Che, Mi Amiga," a tango.

"Playera," by Granados, the impressionistic composer, is another noteworthy composition programmed. Chabrier, a Frenchman who wrote many colorful Spanish selections, will be represented by "Habanera," a Spanish dance with striking melody.

Francesca Ortego, contralto, and Easton Kent, tenor, are the artists who will present tonight's solo numbers.

Broadcast through KHQ, KOMO and KGW; KGO between 7 and 7:30 p.m.

8 to 8:30 p.m.—Temple of the Air

Grieg, Sanderson and Drdla are among the composers whose work will be heard tonight.

A string sextet will interpret Grieg's colorful "Lyric Pieces, Suite 1." "Serenade," an appealing composition for the violin, is the representative Franz Drdla composition.

Other highlights of the Temple program will be "Ay! Ay! Ay!" as sung by the male quartet and Gillet's "Ronde Lointaine," played by the string group.

Broadcast through KHQ, KOMO, KGW, KGO, KPO and KFI.

8:30 to 10 p.m.—Hollywood Bowl Symphony Concert

Another "Symphony under the Stars" will be heard by NBC system station auditors between 8:30 and 10 o'clock tonight, when the Los Angeles Philharmonic Orchestra program is broadcast from the Hollywood Bowl.

Broadcast through KHQ, KOMO, KGW, KGO, KPO and KFI.

10 to 11 p.m.—NBC Troubadours

An inspirational program presented by the NBC Troubadours will be heard when the closing program of the Sixth Pacific Radio Show at San Francisco is broadcast through the NBC system.

Under the direction of Mynard Jones, the quartet of male voices will be heard in an impressive group of semi-classic favorites. The Troubadours' quartet numbers Ben Klansen, Ray Nealon, Joseph Tissier and Oliver Jones.

Mary Groom, contralto, will augment the male contingent and a duo of viola solos by

Frederick MacMurray will be instrumental additions. Charles Hart's baton will direct the 16-piece orchestra which will open the hour with "Men of Sparta," a song of pioneer railroad builders toiling their way westward.

Broadcast through KOMO and KGO.

11 to 12 midnight—Musical Musketeers

Walter Beban and the Musical Musketeers will offer an hour of dance music in a broadcast through NBC system stations between 11 and 12 o'clock tonight. Special arrangements of the latest syncopated melodies will be used by this new ensemble of dance musicians.

333.1 Meters
900 Kcys.

KHJ

Channel 90
1000 Watts

Don Lee, Inc., Los Angeles, California

7 to 7:30 a.m.—Physical culture period

7:30 to 8 a.m.—Recordings

8 to 9 a.m.—"Early Birds"

9 to 9:30 a.m.—Breakfast Nook Philosophy

9:30 to 10 a.m.—Recordings

10 to 10:30 a.m.—Baron Keyes, Song Revue

10:30 to 11 a.m.—Mona Content and Gordon Berger

11 to 11:15 a.m.—Klein's Harmonica Trio

11:15 to 11:30 a.m.—Nat'l Perculator program

11:30 to 12 noon—Recordings

12 to 12:30 p.m.—Biltmore Concert Orchestra

12:30 to 12:45 p.m.—World-wide News

12:45 to 1:30 p.m.—Leigh Harline, organist

1:30 to 2 p.m.—Charlie Wellman's requests

2 to 3 p.m.—KHJ soloists

3 to 4 p.m.—"Chasin' the Blues"

4 to 4:15 p.m.—Recordings

4:15 to 4:30 p.m.—Dr. Fisher, "Auto Combustion and Lubrication"

4:30 to 4:45 p.m.—Playground Department

4:45 to 5 p.m.—Studio program

5 to 6 p.m.—Sunset ensemble

6 to 6:45 p.m.—Organ recital, with singer

6:45 to 7 p.m.—World-wide News

7 to 8 p.m.—Hank Howe's dance band

8 to 9 p.m.—KHJ Night Court

9 to 10 p.m.—Don Lee Symphony

10 to 12 midnight—Earl Burtnett's Biltmore

Hotel Dance Orchestra and Trio

12 to 1 a.m.—Organ recital

508.2 Meters
590 Kcys.

KHQ

Channel 59
1000 Watts

Louis Wasmer, Inc., Spokane, Washington

7 to 7:30 a.m.—Sunrise Pep Period

7:30 to 8 a.m.—Model Musical Klock

8 to 9 a.m.—Shell Happy Time

9 to 10 a.m.—Musical Bazaar. (home economics)

10 to 10:30 a.m.—Sunshine Liberty organ

10:30 to 11:15 a.m.—National Farm and Home

Hour, NBC

11:15 to 12 noon—Farmers' Service Hour

12 to 12:15 p.m.—Luncheon program

12:15 to 12:30 p.m.—Jones Musical Headlines

12:30 to 1 p.m.—Musical program

1 to 1:30 p.m.—Copeland Musical Review

1:30 to 1:45 p.m.—Modern Shops a la Mode

1:45 to 2 p.m.—Fur Facts

2 to 3 p.m.—Washington Home Service

3 to 3:15 p.m.—Musical program

3:15 to 3:30 p.m.—Studio program

3:30 to 4 p.m.—"Paint o' Mine" period

4 to 5 p.m.—Triodan String Ensemble

5 to 6 p.m.—General Electric, NBC

6 to 7 p.m.—Lucky Strike Hour, NBC

7 to 8 p.m.—Nights in Spain, NBC

8 to 8:30 p.m.—Temple of the Air, NBC

8:30 to 10 p.m.—Hollywood Bowl, NBC

10 to 10:15 p.m.—Alice in Lauderland

10:15 to 12 midnight—Davenport Hotel Dance Orchestra

SATURDAY Programs

ABC

American Broadcasting Company

- A—KJR, KEX, KGA, KYA, KDYL, KLZ
 B—KJR, KEX, KGA, KYA, KMTR, KDYL, KLZ
 C—KJR, KEX, KGA, KYA, KMTR
 D—KJR, KEX, KGA
 E—KJR, KEX, KGA, KDYL, KLZ, KMTR
- 8 to 9 a.m.—Early Morning Serenaders—C
 9 to 9:30 a.m.—Better Homes program—C
 9:30 to 9:45 a.m.—Novelty program—C
 9:45 to 10 a.m.—Devotional service, R. S. Williamson; Ferdin Korsmo, soloist—C
 10 to 11 a.m.—American Popular Orchestra—B
 11 to 12 noon—Warren Anderson's Olympic Rangers with Anthony Euwer—B (KYA to 11:45)
 12 to 12:15 p.m.—World in Review—E
 12:15 to 12:30 p.m.—Vignette's Modernes—B
 12:30 to 1:30 p.m.—American Salon Orch.; F. Longo, director; Hayden Morris, soloist—B
 1:30 to 2 p.m.—Song recital, Agatha Turley and Hayden Morris—B
 2 to 3 p.m.—American Artistic Ensemble, Sydney Dixon and Merle North, soloists—D
 3 to 3:30 p.m.—Warren Anderson's Olympic Rangers—E
 3:30 to 4:30 p.m.—Euterpeans, Ferdin Korsmo and Hallie F. Staudé—E
 4:30 to 5:30 p.m.—Sixty Minutes with Great Masters—B
 5:30 to 6 p.m.—Warren Anderson's Olympic Rangers—B
 6 to 6:15 p.m.—Business Barometer—B plus KFBK
 6:15 to 6:30 p.m.—Artistic Ensemble—B
 6:30 to 7:30 p.m.—ABC Musical Revue, directed by Jacques Jou-Jerville and Harold Johnsrud—B plus KFBK
 7:30 to 8 p.m.—Saturday Nighters, directed by Henri Damski—B plus KFBK
 8 to 8:30 p.m.—Great American Appleburys—Sketch by Harry Colwell, directed by Florence B. James—B plus KFBK
 8:30 to 9 p.m.—Vale of Yesterday; Agatha Turley and mixed quartet—B plus KFBK
 9 to 9:30 p.m.—Gene Denis, Kansas City Wonder Girl Psychic—B plus KFBK
 9:30 to 10 p.m.—Utica Jubilee Singers—B
 10 to 10:30 p.m.—Warren Anderson's Olympic Rangers—B plus KFBK
 10:30 to 11 p.m.—Charmed Land Male Singers; Gordon Onstad and Hayden Morris, soloists—B plus KFBK
 11 to 12 midnight—Club Ether—Sketch by Harold Johnsrud—B plus KFBK

280.2 Meters
1070 Kcys.

KJBS

Channel 107
100 Watts

J. Brunton & Sons, San Francisco, Calif.

- 7 to 8 a.m.—Early Birds Hour
 8 to 10 a.m.—Favorite recordings
 10 to 11 a.m.—Concert recordings
 11 to 12 noon—Popular vocal records
 12 to 1 p.m.—Variety recordings
 1 to 1:30 p.m.—Dell Raymond and Harry Miles
 1:30 to 2 p.m.—Red Seal records
 2 to 3 p.m.—Radio Show from Auditorium
 3 to 4 p.m.—Radio Show program
 4 to 5 p.m.—Radio Show program; Knickerbocker Orchestra and Mabel H. Payne, soprano
 5 to 5:30 p.m.—Organ recordings
 5:30 to 6:45 p.m.—Dinner music

491.5 Meters
610 Kcys.

KFRC

Channel 61
1000 Watts

Don Lee, Inc., San Francisco, Calif.

- 7 to 8 a.m.—Simpzy Fitts
 8 to 9 a.m.—Early Birds, featuring the two boys, Ralph and Ray, Nell Larson and Ray Hoback
 10 to 11 a.m.—Alice Blue, Al Pearce, Norman Neilson and Mac
 11 to 11:45 a.m.—Amateur auditions
 11:45 to 12 noon—Church announcements for Sunday services
 12 to 1 a.m.—Sherman-Clay noonday concert
 1 to 1:30 p.m.—Leigh Harline, organist
 1:30 to 2 p.m.—Charlie Wellman
 2 to 3 p.m.—KHJ recital program
 3 to 4 p.m.—Charlie Wellman's "Chasin' the Blues"
 4 to 5 p.m.—Recordings
 5 to 5:30 p.m.—Sunset Quintet
 5:30 to 6 p.m.—Hank Howe and his music
 6 to 7 p.m.—Organ recital, Wesley Tourtelotte
 7 to 8 p.m.—Don Lee Broadcasting System program
 8 to 9 p.m.—Tom Gerunovich and His Roof Garden Orch. from Pacific Radio Show
 9 to 10 p.m.—Don Lee Symphony Orchestra
 10 to 11 p.m.—Anson Weeks' Hotel Mark Hopkins Orchestra
 11 to 12 midnight—Earl Burnett's Biltmore Hotel Orchestra
 12 to 1 a.m.—Dorado Club Silver Fizz dance program

265.3 Meters
1130 Kcys.

KSL

Channel 113
5000 Watts

Radio Service Corp., Salt Lake City, Utah

- 4 p.m.—The Cavalcade, NBC
 5 p.m.—General Electric program, NBC
 6 p.m.—Lucky Strike Hour, NBC
 7 p.m.—Melodyettes Trio
 7:30 p.m.—Baldwin Instrumental Trio
 8 p.m.—Brimley Brothers Quartet
 8:30 p.m.—Radio amateurs
 9 p.m.—Provo Chamber of Commerce program

285.5 Meters
1050 Kcys.

KNX

Channel 105
5000 Watts

L. A. Evening Express, Los Angeles, Calif.

- 6:45 to 8 a.m.—Exercises
 8 to 8:15 a.m.—Record program
 8:15 to 8:30 a.m.—Inspirational talk
 8:30 to 8:55 a.m.—Record program
 9:30 to 10 a.m.—Radio shopping news
 10 to 10:30 a.m.—Town Crier of the Day
 12 to 12:30 p.m.—Musical program
 1:30 to 2 p.m.—The Bookworm
 2 to 2:30 p.m.—Records and announcements
 2:30 to 3 p.m.—Radio Church of the Air
 3 to 4 p.m.—Los Angeles Fire Dept. Orchestra
 4:30 to 5 p.m.—C. P. R.'s musical program
 5:15 to 5:45 p.m.—Chet Mittendorf
 5:45 to 6 p.m.—Timely amusement tips
 6 to 6:30 p.m.—Organ program by Florence Le Mae
 6:30 to 7 p.m.—KNX Concert Orchestra
 7 to 7:30 p.m.—Lustig Trio and the Dudley Chambers Male Quartet
 7:30 to 8 p.m.—KNX feature artists
 8 to 8:05 p.m.—Announcements of church services
 8:05 to 10 p.m.—KNX feature artists
 10 to 12 midnight—Jackie Taylor and his Coconut Grove Orchestra
 12 to 1 a.m.—Dorado Club Silver Fizz Dance Hour
 1 to 2 a.m.—The Midnight Express

SATURDAY Programs

243.8 Meters **KYA** **Channel 123**
1230 Kcys. **1000 Watts**

Pacific Broadcasting Corp., San Francisco

- 8 to 9 a.m.—Early Morning Serenaders, ABC
- 9 to 9:30 a.m.—Mary Cooke, better homes, ABC
- 9:30 to 9:45 a.m.—Eaton and Robillard, ABC
- 9:45 to 10 a.m.—Devotional service, ABC
- 10 to 11 a.m.—Popular Orchestra, ABC
- 11 to 11:45 a.m.—Olympic Rangers with Anthony Euwer, ABC
- 11:45 to 12 noon—Ala Maja
- 12 to 12:15 p.m.—News Items
- 12:15 to 12:30 p.m.—Vignettes Moderne, ABC
- 12:30 to 1:30 p.m.—American Salon Orch., ABC
- 1:30 to 2 p.m.—Song recital, ABC
- 2 to 2:45 p.m.—Tom Smith, George Taylor, John Patrick, Helen Troy, Greta Gahler
- 2:45 to 4:45 p.m.—Baseball from Recreation Park
- 4:45 to 5 p.m.—News
- 5 to 5:30 p.m.—Great Masters, ABC
- 5:30 to 6 p.m.—Olympic Rangers, ABC
- 6 to 6:15 p.m.—Business Barometer, ABC
- 6:15 to 6:30 p.m.—Artistic Ensemble, ABC
- 6:30 to 7:30 p.m.—ABC Musical Revue, ABC
- 7:30 to 8 p.m.—Saturday Nighters, ABC
- 8 to 8:30 p.m.—Great American Appleburys, a comedy sketch, ABC
- 8:30 to 9 p.m.—Vale of Yesterday, ABC
- 9 to 9:30 p.m.—Gene Dennis and the American Salon Orchestra, ABC
- 9:30 to 10 p.m.—Utica Jubilee Singers, ABC
- 10 to 10:30 p.m.—Olympic Rangers, ABC
- 10:30 to 11 p.m.—Charmed Land Singers, ABC
- 11 to 12 midnight—Club Ether, ABC

239.9 Meters **KFOX** **Channel 125**
1250 Kcys. **1000 Watts**

Nichols & Warinner, Long Beach, Calif.

- 5 to 7 a.m.—Remote control, KGFJ
- 7 to 7:30 a.m.—Hello Everybody
- 7:30 to 8:15 p.m.—Records, news
- 8:15 to 8:45 a.m.—Bright and Early Hour
- 8:45 to 11 a.m.—Musical program
- 11 to 11:10 a.m.—Beauty talk, Mae Day
- 11:10 to 11:30 a.m.—Studio orchestra
- 11:30 to 11:50 a.m.—Early news report
- 11:50 to 12 noon—Musical numbers
- 12 to 1 p.m.—Hollywood Girls
- 1 to 1:30 p.m.—Varsity Boys
- 1:30 to 2 p.m.—Originality Girls
- 2 to 2:15 p.m.—Health talk
- 2:15 to 2:30 p.m.—Doris and Clarence
- 2:30 to 3 p.m.—Long Beach Municipal Band
- 3 to 3:30 p.m.—Organ recital, Roy L. Medcalfe
- 3:30 to 4 p.m.—Long Beach Municipal Band
- 4 to 4:20 p.m.—Press-Telegram news report
- 4:20 to 5 p.m.—Varsity Boys
- 5 to 5:30 p.m.—Organ recital
- 5:30 to 6 p.m.—Hollywood Girls
- 6 to 6:05 p.m.—Lost and Found Department
- 6:05 to 6:30 p.m.—Hollywood Girls
- 6:30 to 7 p.m.—Motor Tires Quartet
- 7 to 7:30 p.m.—Sunset Harmony Boys
- 7:30 to 8 p.m.—Buster Wilson's orchestra
- 8 to 9 p.m.—Long Beach Municipal Band
- 9 to 9:30 p.m.—Cinderella Roof Ballroom
- 9:30 to 10 p.m.—Majestic Ballroom
- 10 to 10:30 p.m.—Doris and Clarence—Fain's Ragmuffins
- 10:30 to 11 p.m.—Charlie Joslyn's orchestra
- 11 to 1 a.m.—Dorado Club, Four Red Coats

379.5 Meters **KGO** **Channel 79**
790 Kcys. **10,000 Watts**

General Electric Co., Oakland, California

- 9:30 to 10:30 a.m.—California Home Life
- 10:30 to 11:15 a.m.—National Farm and Home Hour, NBC
- 11:15 to 1 p.m.—Rembrandt Trio
- 3:30 to 4 p.m.—Road information
- 4 to 5 p.m.—The Cavalcade, NBC
- 5 to 6 p.m.—General Electric Hour, NBC
- 6 to 7 p.m.—Lucky Strike Hour, NBC
- 7 to 7:30 p.m.—Nights in Spain, NBC
- 7:30 to 7:45 p.m.—Sports review, Al Santoro
- 7:45 to 8 p.m.—Olivia Robins Dunn and Betty Kelly
- 8 to 8:30 p.m.—Temple of the Air, NBC
- 8:30 to 10 p.m.—Hollywood Bowl concert, NBC
- 10 to 11 p.m.—Troubadours, NBC
- 11 to 12 midnight—The Musical Musketeers, NBC
- 12 to 1 a.m.—Wilt Gunzendorfer's Hotel Whitcomb Band, S. F.

315.6 Meters **KFWB** **Channel 95**
950 Kcys. **1000 Watts**

Warner Brothers, Hollywood, California

- 8 a.m.—Harry Q. Mills, organist; Harmony Quartet and entertainers
- 9 a.m.—Sylvia and Al
- 10 a.m.—Harmony Hour
- 11:45 a.m.—Louise Sullivan's trio
- 12:30 p.m.—Air Journal
- 1:15 p.m.—Prof. Moore's orchestra
- 1:45 p.m.—Air Journal
- 2:10 p.m.—Coast League baseball game
- 4:30 p.m.—Radio Varieties
- 6:20 p.m.—Musical program
- 6:30 p.m.—Harry Jackson's entertainers
- 7 p.m.—Harmony Hawaiians
- 7:30 p.m.—Newsboys' Sextet; Buster Dees, popular songs
- 8 p.m.—Mona Motor Oilers; Esther White and Lucky Wilber
- 9 p.m.—Continuity program
- 9:30 p.m.—Irving Aaronson and his Commanders
- 10:30 to 11:30 p.m.—Prof. Moore's orchestra

296.6 Meters **KQW** **Channel 101**
1010 Kcys. **500 Watts**

First Baptist Church, San Jose, California

- 10 to 11 a.m.—Helpful Hour
- 11 to 12 noon—Watsonville program
- 12 to 12:30 p.m.—Musical program
- 12:30 to 1 p.m.—Market reports, weather
- 1 to 1:30 p.m.—Hart's Happy Half Hour
- 1:30 to 2:30 p.m.—The Friendly Hour
- 2:30 to 3:30 p.m.—Musical program
- 5 to 5:30 p.m.—Children's program
- 5:30 to 5:45 p.m.—Herzog and Bierman program
- 5:45 to 6 p.m.—Frigidaire program
- 6:30 to 6:50 p.m.—Musical program
- 6:50 to 7 p.m.—Farmers' Exchange
- 7 to 7:30 p.m.—Farm Bureau Radio News
- 7:30 to 8:30 p.m.—Musical program
- 8:30 to 9:30 p.m.—Studio program

361.2 Meters **KOA** **Channel 83**
830 Kcys. **12,500 Watts**

General Electric Co., Denver, Colorado

- 4 to 5 p.m.—The Cavalcade, NBC
- 5 to 6 p.m.—General Electric Hour, NBC
- 6 to 7 p.m.—Lucky Strike Hour, NBC
- 7 to 7:15 p.m.—Pepsodent program, NBC
- 7:15 to 7:45 p.m.—International Sunday school lesson
- 7:45 to 8:30 p.m.—KOA String Trio
- 8:30 to 8:45 p.m.—News of the World

SATURDAY Programs

545.1 Meters **KTAB** Channel 55
550 Kcys. 500 Watts
 Pickwick Broadcasting Co., Oakland, Calif.

7 to 8 a.m.—Rastus and Sambo
 8 to 9 a.m.—Recordings
 9 to 9:30 a.m.—Morning prayer
 9:30 to 10:30 a.m.—Records
 10:30 to 11 a.m.—Dr. Corley
 11 to 12 noon—Chasing the Blues
 12 to 1 p.m.—Sterling Cosmopolitans
 1 to 1:30 p.m.—Chapel of the Chimes
 3 to 4 p.m.—Chapel of the Chimes
 4 to 5 p.m.—Home Towners
 5 to 6 p.m.—Brother Bob's Frolic
 6 to 6:30 p.m.—Barney Lewis
 6:30 to 7 p.m.—Twilight Hour
 7 to 7:30 p.m.—Recordings
 7:30 to 8 p.m.—Piano recital by Walter J. Rudolph
 8 to 10 p.m.—Pickwick Follies, featuring Estelle Moran, pianist; the Pickwick Symphonettes, the Pickwickians, Walter J. Rudolph, Frank and Dante and others
 10 to 11 p.m.—Jane Sands, pianist, and Irene Smith, soprano
 11 to 1 a.m.—Kelley Kar Nite Owls

322.4 Meters **KFWI** Channel 93
930 Kcys. 500 Watts
 Radio Entertainments, San Francisco, Calif.

7 to 8 a.m.—Health exercises
 9 to 9:30 a.m.—Cal King's Country Store
 9:30 to 10 a.m.—Recordings
 10 to 10:30 a.m.—Charlie Glenn, "Songs of Yesterday"
 10:30 to 10:50 a.m.—Dr. T. G. Linebarger
 10:50 to 11 a.m.—News items, police reports, weather
 12 to 1 p.m.—Lotus Anderson, soprano; assisting artists; Mrs. Philip Landon
 1 to 1:30 p.m.—Recordings, announcements
 6 to 7 p.m.—Mrs. Charles Stewart Ayres, soprano; assisting artists

422.3 Meters **KFVD** Channel 71
710 Kcys. 250 Watts
 Auburn Fuller, Culver City, Calif.

7 a.m.—Hal Roach Happy-Go-Lucky Trio
 9 a.m.—Dan Maxwell, comedian
 11:30 a.m.—Carey Preston Rittmeister
 12 noon—Tom Brennehan
 12:30 p.m.—Tom and Wash
 1:15 p.m.—Hal Roach Comedy Gossip
 2 p.m.—Madame Lauro
 3 p.m.—Auburn Orchestra
 4 p.m.—Eldorado program
 5:45 p.m.—Timely topics
 8 p.m.—De Witt Hagar's program
 9 p.m.—Auburn Orchestra
 10 p.m.—KFVD Orchestra
 11 to 1 a.m.—Sebastian's Cotton Club Orch.

267.7 Meters **KMIC** Channel 112
1120 Kcys. 500 Watts
 Dalton's, Inc., Inglewood, Calif.

5 p.m.—Request records
 6 p.m.—Marie Hockings, organ recital
 7 p.m.—Dance band, Peggy Price
 10:30 p.m.—Cinderella Roof Ballroom

How to Reach the Broadcasters by Telephone

	Day and Night Phones
NBC.....	Sutter 1920
KELW.....	Burbank 1601-02; Gr 3192
KEX.....	Atwater 3111-3112
KFBK.....	Main 8700
KFBL.....	Main 526
KFCR.....	Day, 6230; Night 3118-6230
KFEC.....	Br. 4411
KFI.....	Day, Westmore 0331; Night, 0337
KFJI.....	Day, 450-525; Night 450
KFJR.....	Broadway 2468
KFOX.....	67281
KFPY.....	Main 1216-17-18-19
KFQU.....	Los Gatos 4583
KFQW.....	EL 6675
KFQZ.....	West. 3001-02-03-04
KFRC.....	Prospect 0100
KFSD.....	Franklin 6853
KFSG.....	Fitz 5121
KFVD.....	Santa Monica 77115
KFWB.....	Glad. 9461-2; 2711
KFWC.....	Pomona 1147
KFWI.....	Market 1140-1141
KFWM.....	Glencour 6774
KGA.....	Main 3434
KGB.....	Franklin 6151-6153
KGDM.....	794-795
KGEF.....	Westmore 8887
KGEN.....	1100
KGER.....	632-75
KGFH.....	Douglas 3326
KGFJ.....	Westmore 7777-7778
KGO.....	Fruitvale 5980
KGW.....	Atwater 2121
KGY.....	Olympia 1174J
KHJ.....	Tr. 8411
KHQ.....	Main 5383
KJBS.....	Ordway 4148
KJR.....	Day, Main 2495; Night, Main 2475
KKP.....	Ell. 1881
KLS.....	Lakeside 6223
KLX.....	Day, Lakeside 6000; Night, Lakeside 6015
KMED.....	Day, 305; Night, 305J-2
KMIC.....	Thorn. 1121; York 8545; Inglewood 1897
KMJ.....	Day, Fresno 3-5221; Night, 2-8817
KMO.....	Ma. 4144
KMTR.....	Ho. 3026
KNX.....	Hemp. 4101
KOAC.....	620
KOIN.....	Day, At. 4151; Night, 5262
KOL.....	Elliott 4466
KOMO.....	Elliott 5890
KPCB.....	Ma. 7997
KPLA.....	Trinity 3202
KPO.....	Kearny 0704
KPPC.....	Terrace 1163
KPQ.....	Day, El. 1433; Night, Sa. 7809
KPSN.....	Wakefield 3111
KQW.....	Col. 777
KRSC.....	Main 5494
KTAB.....	Garfield 4700
KTBI.....	Metropolitan 6701
KTBR.....	Beacon 7000; Lancaster 1700
KTM.....	Dunkirk 5154-5194
KUJ.....	352-J
KVI.....	Day, Main 1530; Night, 3960
KVL.....	Ell. 1881
KVOS.....	Day, 1627; Night, 1366-1627
KWG.....	580; 581
KWTC.....	1896
KXA.....	Elliott 1634
KXL.....	Beacon 0456; Broadway 8484
KXRO.....	Aberdeen 4098-4099
KYA.....	Prospect 3456

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then the SCREEN-GRID circuit

AND NOW THE AMAZING NEW SCREEN GRID

RCA RADIOLAS 44 and 46



THE new RCA Screen-Grid Radiotron—a very remarkable advance in vacuum tube design—has made possible the construction of a simplified Radiola receiver of amazingly high efficiency.

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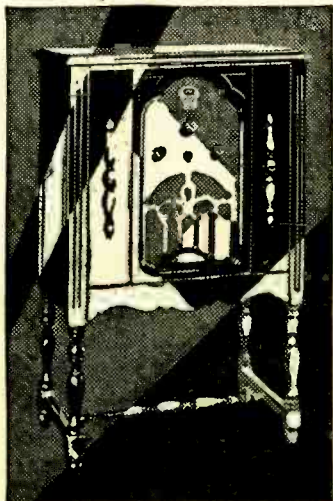


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