Broadcast Weekly

For Week of
August 18 to 24

RADIO SHOW NUMBER

"THE LEADING RADIO GUIDE OF THE PACIFIC COAST"
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!

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

KIERULFF & RAVENSCROFT

121-131
Ninth Street
SAN FRANCISCO

135-139
West 17th Street
LOS ANGELES

BOOTHs · 85 · 86 · 87 · 90 · 91
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

Copyright 1929, by Kolster Radio Corporation
“Brandes is a WONDER . . . and such a low price!”

A ND 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

The NEW

BRANDES RADIO

CONSOLE MODEL B-15
$155.75
Complete with 8 Tubes

JOHN G. RAPP CORPORATION, Distributors
123 Second Street
San Francisco
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 indispensible 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, KFWI, 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.
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 2704 S. Hill Street
SAN FRANCISCO, CALIF. LOS ANGELES, CALIF.
FRanklin 6896 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 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
NEW FADAS
THAT WILL CONVINCE 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
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.
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 so, you'll want to read how my eyes were opened.

When broadcasting first became the rage, I first began my dabbling in '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 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, or any of the scores of lines they prepare for you. And to think that until that day I sent for their eye-opening book, I'd been saying "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 a 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.

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

J. E. Smith, President, National Radio Institute, Dept. 9V13, Washington, D. C.
Because of BALANCED UNITS

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
SEATTLE
SAN FRANCISCO
LOS ANGELES
PORTLAND

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 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.
CORWICO PRODUCTS

Antenna Wires
Stranded, Braided, Solid,
Plain, Tinned, Enamede

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 specifica-
tions.

SET BUILDERS, radio owners and radio
service men can meet all their require-
ments 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, Cor-
wico 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
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.

List Price
$15.25

Super Phonovox
Silent, vibrationless—
amarvelous new motor

Operates on either 50 or 60 cycles.

List Price $26.50
includes 12 inch Turntable, mountingscrews 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 ½ 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
Representatives: J. P. Hermans, 585 Mission St., San Francisco
Marshak Sales Co., 224 E. 16th St., Los Angeles
D. H. Burcham, 383 Oak St., Portland, Ore.
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 Company.
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 cooperation of all members of the radio trade. With such interest and cooperation the forthcoming year should be the most progressive and profitable which the Association and the industry have ever known.

Reciprocity, cooperation 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 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, cooperating 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 Ingold
W.E. Darden
John J. Rapp
R.D. Eastman
Don Gilman
Harrison Hollwyz
J.W. Laughlin
G.H. Porter
the slightest expense to the dealers or the public.


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 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

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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

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<td>39. Ernest Ingold, Inc.</td>
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<td>48. Macomber Agencies</td>
<td>124. Listenwalter &amp; Gough, Inc</td>
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<td>74. Western College of Radio.</td>
<td>Room M. Offenbach Electric Co.</td>
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<td>76. John G. Rapp Corp.</td>
<td>Right half under stage — Edison Distributing Co.</td>
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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

121-131 Ninth Street
SAN FRANCISCO

135-139 West 17th Street
LOS ANGELES

See the Complete Amrad Line—Booths 85 to 87
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."

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.

The Electric
145 Ninth Street, San Francisco

Distributed
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 . . .

by

Corporation

178 Tenth Street, Oakland

Like Sterling on Silver

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.
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 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 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.
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 loudspeaker 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, 8 to 10 p.m.—KTAB—Pickwick Follies—Announcer, Bob Roberts; featuring KTAB Band Orchestra, Pickwickians (dance orchestra), Walter J. Rudolph and the Melody Masters; Lou Gordon, tenor; Jane Sargent Sands, pianist; Joan Ray, contralto; Frank Cozzo and Dante Bari, 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 Sargent Sands, pianist

Sunday, August 18

2 to 3 p.m.—KJBS—Knickerbocker Orchestra and Knickerbocker Piano Duo, directed by Emil Illelly 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 Touren, 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; Sequentia, 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

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 Moya
 Song of Songs .................................................................Moya
 May Morning .................................................................Denza
 The Rosary .................................................................Nevin
 At Dawnling .................................................................Cadman
 Grace Warren—
 The Old Refrain .........................................................Kreisler
 Rondino .................................................................Beethoven-Kreisler
 Frasquita .................................................................Lehar-Kreisler
 The Swan .................................................................Saint-Saëns
 Spanish Dance .........................................................Chaminade-Kreisler
 From the Canebrake .....................................................Gardner
 William Jacinto—
 Daffodil Gold ..............................................................Hodgson
 Believe Me If All Those Endearing ....................................Young Charms
 Young Charms ..............................................................Young Charms
 I Hear a Thrush at Eve .....................................................Cadman
 Serenade .................................................................Toselli
 Mi-Ziejo Amor ..............................................................Oteo

48
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 won-
ders for the profit side of your ledger.

DEALERS: Write, wire or telephone for full information.

PATTERSON RADIO CORPORATION
239 South Los Angeles Street
MUral 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 Oscillians, Paul Carson and Juliette Dunn; announced by William Wright

8 to 10 p.m.—KFRC—The Blue Monday Jam—

10 to 11 p.m.—KFRC—Harmony Hour, featuring Alice Blue and Virginia Spencer, piano duos; Norman Nelson, 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, actors; R. J. Bishop, tenor; Mickey Gillette, saxophonist.

3 to 4 p.m.—KYA—Trio, violin, cello, piano, featuring Mary Atkinson, Elbert Bellows, 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, actors; R. J. Bishop, tenor; Mickey Gillette, saxophonist.

4 p.m.—KVA—Trio, violin, cello, piano, 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 9:30 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-wave 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 Grundinger Atkinson, contralto, and the Olympians

Marche Militaire

Saint-Saens Contralto—"Habanera" ("Carmen")

Biset Scherzo

Hinrichs Duet for flute and clarinet

"Lo, Hear the Genle Lark"—Bishop Selection—"The Three Musketeers"

"The Gypsy and the Bird"—Benedict Overture—"Rosamunde"—Schubert The Olympians—Rangers’ Song (Rio Rita)

Rembrandt Trio—"Harry"—The Olympians—"Marche Militaire"—Eva Garcia, piano—By the Brookside—

Bemmer Liebesfeld—"Habenera"—Kreisler

9:30 to 10 p.m.—KGO—The Seven Sauntering Sailors

10 to 11 p.m.—The KGO “Regulars”

Parlisian Quintet—Hungarian Dance No. 1

Brahms

Grainger—Le Page, soprano—Morning—Speaks Mme. Berthe Bare, 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—

Mieczyslaw Stodzkiowski

Parlisian Quintet—Chanson Meditation—

Cottenet

The Strolling Troubadour

Dorothy Rasbach, cellist—Trees—

Rasbach

Finale by the Ensemble
See These New GILFILLAN Models That Set Higher Standards for TONE and SELECTIVITY

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. 100 Elliott Avenue West
SAN FRANCISCO 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 .........................Nicod
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 Suit..German
Mixed quartet (to be selected)
Orchestra—Spanish Doll
Raymond Marlowe, tenor—One Alone and Desert Song, from "Desert Song" ....Romberg
Orchestra—Monastery Garden ..........................Ketelby
Holliday 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 Lawyer Sisters, R. J. Bishop, Frank J. Jones, Earl Pollnell and an instrumental trio
3:30 to 4 p.m.—KJBS—Art Padden, pianist, in "A Little of This, That and the Other" and the KJBS Troubadour
4:30 to 5 p.m.—KJBS—Studio program, presenting Nita Mitchell, with Florence Sanger at the piano
7 to 7:15 p.m.—American Broadcasting Company—The Rhythm Aces
Rhythm Aces—If I Had You
Rhythm Aces—I've Got a Feeling I'm Falling
Rhythm Aces—Limehouse Blues Fantasy
Helen Troy—Am I Blue
Georgie Stoll—Two favorite selections:
John and Helen—That's You, Baby
Rhythm Aces—If I Had You
Hazel Warner—You and I in the Moonlight
Rhythm Aces—Do Something
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 Pacific Salon Orchestra and Claire Upshur, Dorothy Lewis, Gwynfi Jones, Albert Gillette Orchestra (theme with quartet)—Close Your Eyes
Orchestra—Largo, from the New World
Orchestra—Symphony .................................................Dvorak
Orchestra—My Isle of Golden Dreams..................Blauuss (Theme)
Orchestra—By the Brook ..............................................Boisdeffre
Orchestra—Gone With the Wind .........................Holmes
Duet, Lewis and Gillette—Look Down, Dear Eyes ..........Fisher (Theme)
Orchestra—A Japanese Sunset ..................Deppen
Duet, solo, Upshur—Traum durch die Dammerung ..................Strauss
Orchestra—Reverie ..................................................Deppen (Theme)
Duet, Upshur and Jones—L'Addio .........................Nicola
Orchestra—Legends ..................................................Wieniawsky
Orchestra—In a Monastery ..................Egk (Theme)
Orchestra—Garden ..................................................Ketelby
Orchestra (theme), with quartet—Close Your Eyes

Thursday, August 22

2 to 3 p.m.—KJBS—"Songs of the Moment," presenting Al Sather, Grace Claro, 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 Buttercups, vocal trio; George A. Jones, tenor; Earl Pollnell, accordionist; Frank J. Jones, character songs; R. J. Bishop, tenor, and an instrumental trio
4 to 5 p.m.—KJBS—"Blindcraft" request program, 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 ..........................................................Baller
Blindcraft quartet composed of Remilda McDonald, Pearl Byrd, Frank Stewart, William Baller
Ray Scannell—Old Irish Mother o' Mine ..........................Von Tilzer
SCREEN-GRID

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540 Howard Street—San Francisco  3060 Broadway—Oakland
Pearl Byrd—Prelude in C-sharp Minor
Remilda McDonald and Ensemble—An Irish Folk Song
Ray Scannell—When the River Shannon Flows
I Wish They'd Do It Now
Parody on Wearing o' the Green
George McDonald—I Passed by Your Window
Blindlcrquet—Love You Truly
George McDonald and Ensemble—Bells of St. Mary's
I Amati Trio, instrumental; Irving Krick, piano; Maybelle Morrison, violin; Maybelle Morrison, pianist; George Carson, baritone; Lena Minehart, pianist; Caprero, accordionist

Friday, August 23
2 to 3 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—Corporation presents the "Radio Rodeo," with Eddie Holden, character impersonator; the Lawrence Sisters, vocal trio; Abe Bloom, blues singer; C. H. Gabriel, Jr. tenor; Harry Miles, pianist; Ray O'Donnell, tenor, and June Franklin, blues singer
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
5 to 6 p.m.—KFWI—Victor Talking Machine Green Room Orchestra—Overture—Princess Juana
6 to 7 p.m.—KFWI—Irving Krick, piano recital; Emma Mesow Fitch, dramatic contralto; Marie Jansen, accompanist

Irvings Krick—
1. An arrangement for the left hand alone of the famous text from the opera "Lucia de Lammermoor" by Donizetti. This arrangement is a composition by P. E. Teschemski.
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 Rigoletto quartet.
4. An extra 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 intended 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 Star... Rogers

My Folks—
8 to 9 p.m.—KFWI—Amati Trio, instrumental; Pacific Male Quartet; Zura Bells, accompanist

Pacific Male Quartet—Close Harmony—O'Hara I Long for Thee—Hartel California Happy Land—Arr. by Zura Bells Talk About Jerusalem Morning—Olly Uncle Moon—Scott Where My Caravan Has Rested—Lohr Shout, Shout, Shout—Arm. by Morse

Swing Low, Sweet Chariot—Arr. by Zura Bells
Pride in the Amber West—Farr Parks
My Love's Own Song (comic)... Morse
I'se Gwine Back to Dixie—White

9 to 10 p.m.—KFWI—Edith Sperry Smith, soprano and Edmond Schwartz, contralto, duets; Dr. Hus, violin obbligato; Lena Minehart, accompanist; Mary Rosalie Haslett, harpist; May Dearborne, Schwab, soprano; Eddie Campbell, Campbell, tenor; Blanche Nicks, soprano; S. M. Kilduff, baritone, and Edith Sperry Smith, soprano, in "Little Bit of Scotch;" Mark Anderson, accompanist; Harry and Joe and the Old Banjo; Jack Burt, baritone, in "A Little Bit of Irish;" Howard Eastwood, accompanist

Pacific Male Quartet—Amarti Trio, instrumental; Pacific Male Quartet; Zura Bells, accompanist

Nocturne
Caprice Espagnole
violin obligato
Danse Espagnole
Blinds of St. Mary's
Brahe
Window
Parody on Wearing o' the Green
George McDonald—I Passed by Your Window
 theology I Wish They'd Do It Now
The Slumber Boar
George McDonald—I Wish They'd Do It Now

Where My Caravan Has Rested—Lohr Shout, Shout, Shout—Arm. by Morse
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Borden Blue and White Band—"I'm Just a\nVagabond Lover\nBorden Quartet—"Sweetheart of Sigma Chi\nBorden Blue and White Band—\nI Love You, I Hate You\nBorden Blue and White Band—\nBorden Banjo trio—Selected\nBorden tenor—"You in a Gondola\nBorden Blue and White Band—"I'm Coocoo\nAgain\nBorden Quartet with Borden Blue and White\nBand—Selections—No, No, Nanette\nJohnny O'Brien, harmonica soloist—Selected\nBorden Quartet—"Give Me the Moonlight,\nGive Me the Girl\nBorden Blue and White Band—"Head Low\nIrving Kennedy, tenor; Myron Niesley, tenor;\nAustin Mother, baritone; Harry Stanton,\nbasso; Johnny O'Brien, harmonica soloist;\nBorden Banjo Trio\n
10 to 11 p.m.—NBC—Broadway Melodies—\nTheme, Broadway Melodies—Orchestra selection and voices—Show Boat\nTenor and orchestra—One Alone—Desert Song\nSoprano-contralto duet—Barcarolle—\n"Tales of Hoffman"\nOrchestra—With a Song in My Heart—\n"Spring Is Here"\nMixed quartet—Allah's Holiday—"Katinka"\nOrchestra and Pepper Maids on chorus—\nI'm Doing What I'm Doing for Love\nBaritone solo—"Myself When Young—\n"Persian Garden"\nOrchestra and voices—Rose Marie\nBaritone-contralto duet—Birth of Passion\nOrchestra, Pepper Maids on chorus—\nThat's Living\nSoprano solo—Villa Song—"Merry Widow"\nMixed quartet—"Chinese Lullaby"—"East Is\nWest"\nOrchestra, Pepper Maids on chorus—\nMaybe, Who Knows?\nContralto and orchestra—Here in My Arms—\n"Dearest Enemy"\nTenor-Soprano duet—Suppose I Had Never\nMet You\nOrchestra and voices—Three Musketeers\nThe theme song\nCast: Ethel Wakefield, Marian Gilbert, John\nTeel, Easton Kent, the Pepper Maids and\n16-piece orchestra conducted by Charles Hart

Saturday, August 24

2 to 3 p.m.—KJBS—"Songs of the Moment,"\nfeaturing Al Sather, Grace Claire, Julie Doug-\nas and others
3 to 4 p.m.—KJBS—Hot-N-Kold\nCorporation presents the "Radio Rodeo," featuring Eddie\nHolden, character impersonations; H. J.\nBishop, tenor; Earl Polinelle, accordionist;\nGeorge Broadway, tenor; Abe Bloom, blues\nsinger; the Lawrence Sisters, vocal trio;\nFrank J. Jones, character songs, and an\ninstrumental trio
4 to 5 p.m.—KJBS—Knickerbocker Orches-\ntra and the Knickerbocker Piano Duo, under the\ndirection of Emilie Ilsely McCormack, solo-\nist; Mabel H. Payne, mezzo-soprano; accom-\npianist, Leilad Morgan
7 to 8 p.m.—KFWI—Mystery Tenor; Harriet\nLewis, accompanist; Bel Canto Trio; Ruth\nHall Clandall, contralto; Grace Porter Sage-\nhorn, soprano; Mrs. Floyd J. Coliar, mezzo-\nsoprano; Mrs. Doris Oisen Howard, accom-\npianist\nMystery Tenor—\nJust a Cottage Small

Gypsy Love Song\nSomewhere a Voice Is Calling\nBrown Bird Singing\nI Love You Truly\nJust a Wearyin' for You\nStill Unexpressed\nKhishri Song
Bel Canto Trio
Group I—\na. Nightingale's Song Nevin\nb. Mah Honey Kranz
Group II—\na. Gloria Curran\nb. Rosita Dupont\nc. Indian Dawn Zamecknie\nb. Squiree Buzzi-Peccia

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

9 to 10 p.m.—KYA—KYA Revue\nTri-Dark Eyes Horlick\nJones and Gillette—Tenor and Baritone—\nWilson\nHe Men Chew Tobacco\nSomebody Cares\nThey All Go Back to Matches By and By\nDorothy Lewis—Ah! Tho the Silver Moon\nWere Mine—Lohr\nHerman Schnitzlei—"Vat Iss Inside der\nRaddio?"\nJones and Gillette—"Flow Gently Deva—Parr\nMixed quartet—Italian Street Song, from\n"Naughty Marietta"—Herbert

10 to 11 p.m.—NBC—Troubadours\nTroubadours and orchestra—Men of Sparta—\nZamecnik\nTroubadours—Uncle Rome—Homer\nMary Groom, contralto—Thank God for a\nGarden—Del Riego\nFrederick MacMurray, violin soloist—Hills\nTroubadours—Mack Morris—Romberg\nTroubadours—Radio Rodeo—Bartholomew\nOrchestra—Pan Americana—Herbert\nTroubadours and Mary Groom—Goodbye—\nTosti\nOrchestra—Hymn to the Sun—\nRimsky-Korsakov
Troubadours—\nPat Moon Logan\nTo a Wild Rose—MacDowell\nMary Groom, contralto—My Heart Is Weary—\nfrom Nadeskda, by Goring Thomas\nOrchestra—Mock Morris—Grainger\nTroubadours—I Hum and Strum—Frank L. MacMurray, violin soloist—\nIn the Glamorines—\nOrchestra—Dance of the Nymphs—Hayden\nTroubadours—Blue Waters\nOrchestra and Troubadours—Selections—\nThe Desert Song—Romberg\nCast: Mynard Jones and the NBC Trouba-\ndours; 16-piece orchestra, conducted by Charles Hart
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THE name that stands for the store with the most complete stock of radio parts and accessories on the coast—everything that is made by 155 manufacturers—fibre washers to complete amplifiers. The largest parts counter in California and the biggest store on one floor—catering to dealers, set-builders and amateurs. The largest single exhibit at the Radio Show—five booths and a room—continuous demonstrations—always something going on. Don't fail to—

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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 UX-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 burled 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."

58
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Wellston Gold Test Aerial
A Filtered Aerial Containing Gold Plated Wire
List Price, $2.50

Radio broadcast reception is improved with the Gold Test Aerial as it is always fully efficient.
Small enough to put in your vest pocket; place it where you will; set it inside the cabinet and forget aerial troubles.

Does not plug into a light socket
Installed in one minute
You never have to touch it again!

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.
Makes a set more selective, is non-directional, and will get all stations an outside aerial will, with half the noise or less; no cutting down on the volume.

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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 such 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, ample sufficient for all radio needs of the next year.
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.

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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.

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

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"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?

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

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short years ago, Peter L. Jensen generally introduced Jensen Dynamic Speaker to the public. Dating back in experimental research, the Dynamic type speaker greatly revolutionized the radio industry. People were at the tremendous improvement in radio reception. the world’s greatest stars. Radio came into its own. The speaker is nationally known. Thousands of owners have. Constant research and improvements have kept

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

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

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Name _______________________________
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New ___________________________ Extension ___________________________
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.
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SAN FRANCISCO
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, Carnavon (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)
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 Nuteneggger, 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 daybreak. 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 Premier of AC Radio—augmented with subtle exclusive qualities that enrich reception and bespeak refinement

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 trebbling 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 EQUIASSONE 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

New EQUIASSONE De Luxe 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 EQUIASSONE 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
Boneham Music Co., 1621 Haight St.
N. E. Besch & Co., 301 Bush
Betato-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., 1409 Fillmore; 637 Irving St.; 1180 Market St.; 5410 Geary
Caladyne 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, 1224 Golden Gate Ave.
F. M. Finley Co., 3095 16th St.
Geneva Radio Shop, 5125 Mission
Golden Gate Electric Co., 1224 Golden Gate Ave.
Graves Wire Co., 519 Golden Gate
Hale Bros., Inc., 5th and Market
Harry's Radio Shop, 2850 Mission
Kahn & Keville, 1609 Bush
Koehler & Chase, 111 O'Farrell
Lashman Bros., 16th and Mission
Lee, Don, 1000 Van Ness Ave.
Lee's Radio Shop, 3945 Balboa
Lemoine & Berry, 1155 Church
Mac's Marine Pharmacy, 415 Washington
Marina Radio Co., 2541 Chestnut
Geo. S. Merwin Co., 1946 Polk St.
Mission Auto Parts, 590 Valencia
Mission Radio Co., 3661 Mission
Mission Radio Exchange, 4655 Mission
O'Connor Moffatt Co.
Olympic Radio Co., 2063 Union
Olympic Radio Co., 494 O'Farrell
Olympic Radio Co., 737 Sutter
Enjoy a demonstration of Face-To-Face Realism at these

PORTEVER: Lewis Radio Shop
QUINCY: E. Van Kirk
REDWOOD CITY: Mission Radio
RICHMOND: Richards Music Store
RODEO: Charles Peterson
RED BLUFF: Thackery Electrie
REDDING: Valentine's Gift Shop
RIO VISTA: J. Stern Co., Inc.
ROSEVILLE: Roseville Radio

SACRAMENTO: John F. Zai's Radio Stores, 628 J St.
                Capital Radio Co., 218 15th St.
                Fuhrer & Mortimore, 1014 31st St.
                Schroeder's Radio Shop, 2454 Sacramento
                Prosek's Radio Shop, 2420 Del Paso Blvd.

Hale Bros.
SALINAS: Brechlin's Radio Shop
SAN ANSELMO: Ralph Winters
SAN BRUNO: Cabin Garage
SAN GREGORIO: Tidwell & Alford
SAN BUSTTIA: Lavagnino & Ahern
SAN JOSE: Century Electrie 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
SANTA CLARA: University Electrie Co.
SANTA CRUZ: Fred P. Huff
SANTA ROSA: Marlowe's Music House
SAUSALITO: Sausalito Hardware and Plumbing Co.
SCOTIA: Pacific Lumber Co.
SEATMA: Salinas Drug Co.
SD. SAN FRANCISCO: Progress Elect. & Radio Co.

SAMOA: A. R. Teeker
SONORA: Central Drug Store
STOCKTON: Bright Spot Electrie Co.
            W. J. Hinett
            Music Co.
STRATHMORE: Lewis Radio Shop
SUISOIN: W. A. Woods
SUNNYVALE: Red River Lumber
SUSANVILLE: Electric Supply Co.
SUTTER: F. W. De Witt
TRACY: Arenam's Radio Shoppe
TUDOR: Tudor Motors
TULARE: Granfield Electric Co.
TURLOCK: Anderson Bros.
UKIAH: Ukiah Auto Supply Co.
VACAVILLE: Meikle & Farnell
VALLEJO: L. H. Messenger
VICTOR: J. F. Schlotthauer
VISALIA: Gentry's Sporting Goods

WALNUT CREEK: Murray's Battery Shop
WALNUT: Lewis Radio Shop
WASHINGTON: Red River Lumber Co.
WESTWOOD: web
WILLOWS: Coop's Electric Shop
WILTON: Dayley, Marlon
WILLOW: L. H. Messenger
WAVE CITY: Heider's Garage
FALLON—Atkinson Motor Co.
GARDNERVILLE—Heber Motor Sales Company
PARADISE VALLEY—Beckingham Bros.
RENO—J. D. Mariner Music House, 233
North Virginia St.
WINNEMUCCA—Beckingham Brothers

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 5th St.
M. J. Reynolds, 4511 Mission St.
Ruggles & Killam, 3236 Sacramento
Sterling Furniture Co., 1049 Market
Union Music Co., 11 Mason St.
Warner Bros., 428 Market
West Portal Radio, 69 West Portal Ave.
White House, Sutter and Grant

OAKLAND

Bacon J. C., 2124 Webster
Bet-Cone Radio, 469 12th St.
Bremer's, 15th and Clay
H. C. Capwell Co., 14th and Clay
Consolidated Elect., 4105 Broadway
Diamond Radio Service, 3432 Fruitvale
E. Q. Radio Co., 3114 14th St.
Fairfax Radio Service, 5351 Fruitvale Blvd.
Fruitvale Elect., 3257 E. 14th St.
Glessner Radio Co., 1424 Park Blvd.
Grand Ave. Elect., 3304 Grand Ave.
S. O. G. Stone, 1754 Broadway
Haucholdt Music Co., 1818 San Pablo
N. C. Hopkins, 1417 24th Ave.
Kohler & Chase, 537 15th St.
Manchester Radio, 5805 Fruitvale Blvd.
Malrose Elect., 4538 E. 14th St.
Meyer Radio Co., 1904 Telegraph
Monteithos Radio Shoppe, 9635 E. 13th
Oakland, 1436 San Pablo
Park Radio Supply, 1840 Park Blvd.
Premier Radio Co., 1115 Broadway
F. C. Saxe, 3325 Lakeshore Blvd.
B. F. Schlesinger & Son, 1301 Broadway
C. W. Silver, 5236 E. 14th
System Radio Shop, 2002 Broadway
Thompson Radio Service, 5000 Telegraph
Walter Bros., 2201 Telegraph
Leo Winterlows, 1146 Franklin
J. Witen & Son, 1180 W. 7th St.

BERKELEY

Art Music Co., 2398 Telegraph Ave.
J. F. Hink & Son, Shattuck and Kittridge
H & H Elect. Co., 2905 College Ave.
The Music Shoppe, Store No. 1, 3365
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. Kohlmsyer
ANTIOCH: H. A. Electrie Co.
ARBUCKLE: A. F. Curtright
ARCATA: Eversyde Service Station
AUBURN: Bel Electrie
BURLINGAME: Davis, V. O.
Radio Victor Sales Co.
Owen J. Spencer Telegraph
BRYON: L. M. and M. W. Reynolds
CHICO: Gregory & Grimes
COALINGA: Coalings Vulcanizing Works
COLAX: J. W. McLarney
COLMA: Kusner Bros.
COLUSA: Geo. K. Littlefield
COVINGTON: E. C. Graham
CROCKETT: Crockett Electric Shoppe

DAVIS: J. W. Morrow
DELHI: Wilson Bros. Radio
LODGE: B. M. Drug Store
DUNSMUHR: W. E. Allen
EL CERRITO: Earl Corey
ESCALON: Jess A. Seaman, Box 275
ESPARTO: James Small
EUREKA: Standard Furniture Co.
FERNADE: V. A. Clark, Box 275
FOLSOM: F. F. Epley
FT. BRAGG: Stevenson Motor Co.
FORTUNA: Smith & Melan
FOWLER: Stern's Service Station
FRANKLIN: H. J. Luttig
FRESNO: Fresno Spartan Radio Shoppe
GRASS VALLEY: Foote Electrie & Spe-
Rady
GREENVILLE: G. R. Standart
GRIDLEY: N. V. De Rueh
HAYWARD: K. H. Lattimore Co.
HEALSBURG: Wallace & Jones
HOLLISTER: Backs Valley Hardware Store
HOPLAND: Central Garage
IRVINGTON: Jos. Blaine's Radio Shop
KELSEYVILLE: Paulson, Julius
KEYES: Keys Garage
KING CITY: Piosus Electric Shop
LAKEPORT: Jos. N. Knight
LARKSPUR: Community Radio Shop
LEMINDO: Lowes Electric Shop
LINDSAY: Redmond Bros.
LIVE OAK: K. E. Covington
LINCUM: Mccurry & Neville
LIVERMORE: Economy Electrie Co.
LODI: W. J. Erieh
LOLETA: John P. Mung
LUMITA PARK: E. M. Mitchell
LOS BANOS: Los Banos Drug Co.
LOS MOLINOS: Chas. F. Hunt
MADERA: Maderan News & Radio Co.
MANTeca: Beauregard Radio Shop
MARTINEZ: A. G. Minzer
MARTINEZ: H. C. Salmon
MARSYVILLE: Lewis, A. L.
MAYFIELD: Callahan Elect. Shop
MENLO PARK: Safety Electric Works
MEREDO: R. Bancroft & Sons, Inc.
MERCED: Hardware Co.
MILLBRAE: Rock & Rock
MILL VALLEY: Sparrow Bros.
MODESTO: Walter Johnson
MONTEREY: Nutters Garage
MT. RUSHMORE CITY: Geo. F. Windsor
MEARTHUR: Bert W. Thatcher
NAPA: Edgar Case
NEWTON: Josias Studio
NILES: Vieux Bros.
OROVILLE: Chas. H. Tremayne
PALO ALTO: Palo Alto Hardware Co.
PATTERSON: Glen Hendy
PETALUMA: Earnshaw & Earnshaw
PINOLE: Harry R. Staths
PITTSBURG: Davi Furniture Co.
PIXLEY: Pixley Radio Shop
PLACEVILLE: Dillinger's
PLEASANTON: Randon Bros.
PLYMOUTH: Wheeler Bros.

NEVADA

CARSON CITY—Heider's Garage
FALLON—Atkinson Motor Co.
GARDNERVILLE—Heber Motor Sales Company
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DON'T GAMBLE WITH VOLTAGES

Use ELECTRAD TRUVOLTS, and be sure of the right voltage at all times. The name ELECTRAD on a resistance or voltage control stands for highest quality at prices you are glad to pay.

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TRUVOLT Variables—with same distinctive TRUVOLT construction, plus knob control for fine adjustment. Outlasts other types owing to endwise travel of contact over wire. 22 stock sizes...$2.50

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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.
THE PERRYMAN PLATFORM

Perryman stands for clear reproduction—voices like voices, music like music, all sound effects perfectly reproduced. With Perryman tubes, the broadcast comes to you as plainly and perfectly as it sounds in the studio.

It's the Patented Bridge and Spring, exclusive with Perryman, that gives you the extra margin of clearness and long life.

District Representative
James P. Hermans
585 Mission Street
San Francisco, Cal.

Distributed by
Wholesale Radio Supply Co.
269 Seventh Avenue
San Francisco, Cal.

PERRYMAN RADIO TUBES
A Complete Line of Standard Equipment for every Radio Purpose
YOU buy the world’s finest radio when you buy a MAJESTIC. And you buy it at a quantity price because the public demands it in enormous quantities—5000 MAJESTICS a day!

See it for yourself. Note the charm of the cabinet design.

Then look inside! Observe the size of MAJESTIC units—overpowered and over-strengthened at every point to insure you reliable year-round performance.

TUNE IN MAJESTIC THEATRE OF THE AIR

Over Columbia Broadcasting System—Stations KYA, KFRC and KMJ—every Sunday evening, 5 to 6, Pacific Standard Time.
Headliners of stage and screen.
MAJESTIC presents three models—all cabinets of American Walnut—varying in price according to design. Anniversary models use the new -45 tubes. Model 181 is a combined Electric Radio and Phonograph Combination with two stages audio amplification, the last stage using two 250-type power tubes.

Wholesale Distributors

Frederick H. Thompson Co.  
1131 Mission Street, San Francisco

Holmes & Crane  
291 Fourth Street, Oakland, Calif.

Kimball-Upson Company  
607-11 K Street, Sacramento
KIDNAPPED 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 state-room. 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 kidnappers. They'll have Louis Fantoni in the gin 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 pretty girl—a daughter of aristocrats, golden haired, blue-eyed, pink-cheeked—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 stopped 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, brow-beating 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.

Gorwick 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 P.E.R-P.E.R-TICELY. TICKETED TO 'FRISCO.
WE ARE DUE RENO THREE TEN,
BUT FUELED FOR TERMINAL.
WHAT ORDERS? JAMISON.
Laney 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 its roadside 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 Cranston'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 bored 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)
Greatest Value of Them All

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SEE EXHIBIT AT RADIO EXPOSITION. SPACES 32-35-36
KFRC's JAMBOREE

By MONROE R. UPTON

KFRC's Jamboree was born—a good program is born, not made—way back, let's see, somewheres 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 kilicycle, 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-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 Hollway. 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-

Now right over here, friends, we have the Comedy Department. The funny men Ha! 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 "Simpy Fitts," the sad old hermit of Seal Rocks, building a new kind of alarm clock. For whom? Brown bears! Atta boy, Simpy! 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.

"Simpy 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)
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.

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**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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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 ingenuity:

"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 pendantic 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 Philadelpia 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. Tetrazzini, 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

Blase 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 Bedell’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 birr 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.
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 these 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.
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.

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San Francisco
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, harmonicaist, 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!

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.

KIDNAPPED 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.
<table>
<thead>
<tr>
<th>TIME</th>
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<td>2:30</td>
<td>ABC Whittier 470</td>
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**BEST BETS FOR THE WEEK**

**SUNDAY**

**MONDAY**

**TUESDAY**

**WEDNESDAY**

**THURSDAY**

**FRIDAY**

**SATURDAY**
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
680 Kcys.
Channel 68
5000 Watts

KPO

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 Parish and the Rev. A. S. Babcock, 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 p.m.—Sunday concert, NBC
4:15 to 5:15 p.m.—Uda Waldrop, organist, and Ione Pastori Rix, soprano
5:15 to 6:15 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 Theodor, organist, and Elsa Behlow Trautner, soprano; broadcast from Radio Show
7:45 to 8 p.m.—Enna Jettick Melodies, NBC
8 to 10 p.m.—North American Building—Loan Ass'n program, orchestra and mixed quartet; broadcast from Radio Show
10 to 10:30 p.m.—Tom Gerunovich and his Roof Garden Orchestra
10:30 to 11:10 p.m.—Tom Gerunovich and his Roof Garden Orchestra
11:10 to 11:45 p.m.—New Mandarin Cabaret Band

491.5 Meters
610 Kcys.
Channel 61
1000 Watts

KFRC

9 to 12 noon—Home Sweet Home concert
12 to 1:15 p.m.—Sherman-Clay noontime 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, contralto, and Marjorie Coletti, pianist
7 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
970 Kcys.
Channel 107
100 Watts

KJBS

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

315.6 Meters
950 Kcys.
Channel 95
1000 Watts

KFWB

Warner Brothers, Hollywood, California
10 to 1:30 p.m.—Courtesy program
1:30 p.m.—Coast League baseball game
3:30 p.m.—Harry Jackson's entertainers
7 p.m.—Hollywood Athletic Club
7:30 p.m.—Burr McIntosh, Cheerful Philosopher
8 p.m.—Orchestra; Emilia Kimmel, soprano
9 p.m.—Daily news items
9:15 to 11 p.m.—Bill's Ragtime Review

1070 Kcys.
Channel 107
100 Watts

KJBS
Broadcast Weekly

SUNDAY Programs

NBC

National Broadcasting Company

12 to 1:30 p.m.—National Sunday Forum

Jean S. Divine—The Divine One—Dr. Ralph W. Sockman 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 seated with the sensual and the artificial and begins to crave the simple and the spiritual, declares the noted New York clergyman.

George Dillworth 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, KOMO, KGW, KGO, KPO and KFI 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 hiswife, 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 Chopin’s interesting “Chopiniana” in the concluding section.

Barbara Blanchard and Ethel Wakefield, soprano, 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 KGK (2 to 4:15 p.m.).

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

Standing 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 the concluding section, played under the direction of Louis Katzman.

A saloon arrangement of the melodious “Allah’s Holiday” from Friml’s light opera “Kathinka” 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 from 2:30 to 3 p.m.

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, KGK, 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 Beryl Retting and Dick Platt, pianists.

Broadcast through KHQ, KOMO, KGK, 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 turgidly English “A-Hunting We Will Go.”

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

483.6 Meters KGW

620 Kcys.

600 Watts

The Morning Oregonian, Portland, Oregon

10 to 11 a.m.—International Bible Students

11 to 12 noon—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

6 to 6:16 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

590 Kcys.

1000 Watts

Louis Wasmer, Inc., Spokane, Washington

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

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.—Triodidian 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

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. Falsetti

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

ABC

American Broadcasting Company

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

10 to 10:30 a.m.—Sacred prelude, mixed quartet; Hailie F. Staud, soloist—E
10:30 to 11 a.m.—American Artistic Ensemble; Gordon Onstad, soloist—E
11 to 12 noon—All-Artist Sextet; Perdin Korsmo, soloist; Ve Ona Sokolosky—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
2 to 2:30 p.m.—Enchanters' Male Quartet—B
2:30 to 3 p.m.—American Salon Orch.; Francesco Longo, director; Sydney Dixon, soloist—B
3 to 3:30 p.m.—Cathedral Hour; Jacques Joujouville, 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 KFRC
5 to 6 p.m.—Majestic Theater of the Air, Wendell Hall, Arnold Johnson's orchestra, CBS from New York—B plus KFRC and KFRC
6 to 6:30 p.m.—ABC Musical Vespers; Ve Ona Sokolosky and Marshall Sohl, soloists—D
6:30 to 7 p.m.—Lyric Hour; Agatha Turley, soloist—C plus KFRC
7 to 7:30 p.m.—Musical Melange; Gordon Onstad, soloist—B plus KFRC
7:30 to 8 p.m.—Harper's Corners, rural sketch by Mitchell Sutherland, directed by Harold Johnsrud—D
8 to 9 p.m.—Pacific Salon Orchestra; Liborius Hauptmann, director; Dorothy Lewis, soloist—B plus KFBK
9 to 10 p.m.—Rhythm Aces; Georgie Stoll, soloist—B plus KFBK
10 to 11 p.m.—Rhythm Aces, Georgie Stoll, director; Hazel Warner, soloist—B plus KFBK

285.5 Meters

KNX Channel 105 1050 Kcys.
L.A. Evening Express, Los Angeles, Calif.

243.8 Meters

KYA Channel 123
1230 Kcys. 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 Orchestra, ABC
1:30 to 2 p.m.—Octochordians, ABC
2 to 2:30 p.m.—Enchanters' Male Quartet, ABC
2:30 to 3 p.m.—American Salon Orchestra, 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

KFOX Channel 125
1250 Kcys. 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. Medcalf
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. Medcalf
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 Nite"
11 to 8 a.m.—Dorado Club, Four Red Coats

333.1 Meters

KHJ Channel 90
900 Kcys.
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 Turtellotte, organist, and Showboat Trio

361.2 Meters

KOA Channel 83
830 Kcys. 12,500 Watts
General Electric Co., Denver, Colorado
3 to 3:30 p.m.—American Singers and Arcadia
3:30 to 4 p.m.—Retold Tales, NBC
4 to 4:15 p.m.—Edna Jetnick Melodies, NBC
4:15 to 5:15 p.m.—Radio Guild, NBC
5:15 to 5:45 p.m.—Studebaker Champions, NBC
5:45 to 6:15 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 to 8:30 p.m.—Radio Guild, NBC
7:30 to 8 p.m.—Sam Herman, xylophonist, NBC
8 to 8:15 p.m.—News of the World
SUNDAY Programs

379.5 Meters  KGO  Channel 79  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.—Whittall Anglo-Persians, NBC
6:45 to 7:45 p.m.—Benn'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  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  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  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  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

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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.

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MONDAY Programs

379.5 Meters

790 Kcys.

General Electric Co., Oakland, California

KGO Channel 79

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 6:30 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

243.8 Meters

361.2 Meters

KQA Channel 123

Pacific Broadcasting Corp., San Francisco

KOA Channel 83

General Electric Co., Denver, Colorado

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KFI Channel 64

640 Kcys.

5000 Watts

7 a.m.—S. & W. morning exercise, KPO
8 a.m.—Shell Happy Time from KPO
9 a.m.—Sadie 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.—Disc 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

8:15 to 8:30 p.m.—Financial Independence
8:20 to 8:50 p.m.—Pep Boys
8:25 to 8:50 p.m.—Garden Theater Players in the musical melodrama, "The City Sleeker"
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

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. Cary 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 Buxton. Mendelssohn’s “Behold, the Lord God Passeth By” brings the half hour to a stirring close as the massed chorus of 500 voices sings it.

Broadcast through KOMO, KGO and KPO.

5 to 5:30 p.m.—Edison program

Another Edison program in the series dedicated 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 symphony concert directed by Eugene Ormandy, noted theater conductor.

The famous and grotesque “Danse Macabre” of Camille Saint-Saens and a selection from the Arensky Suite for Two Pianos will be played by a piano team. During the hour a string quartet will offer an old English air arranged by Frank Bridge, “Sally in Our Alley” by Edward Buxton.

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 Choristers, 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 and KFI.

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

Vida Ravenscroft Sutton will be mistress of ceremonies in a romantic, summary program featuring “Brother Idol” and Deppen’s “Chinese Fantasy,” played by Muriel Pollock, piano soloist. Friml’s “Dance of the Maldens,” interpreted by the Parnassus Trio under the direction of Olga Serriss, 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 Gitla Erstina’s soprano solo, accompanied by the Parnassus Trio.

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

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

In his graphic style Floyd Gibbons will narrate 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 Coquette ............................Friml

Fair Tales .................................Komzak

Selections—“Martha”.........................Piotrow

At Parting .................................Brahms

Hungarian Dances .............................Rogers

Three Lyric Sketches..............Grieg

Arabian Night ..............................Mendelsberg

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 Passing Fancy?” by Silver, and “My Dear,” the latter with special guitar accompaniment.

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 Choristers, 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 are: E. F. Kastner, Clarence Hayes, Johnny O’Brien, the Southern 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 Viennese waltz, “The Old Refrain,” opens an hour of slumber music presented by the orchestra under the direction of Max Dolin and broadcast through KSL and KOA.

Broadcast Weekly

KSL
Channel 113
1130 Kcrys.
5000 Watts
Radio Service Corp., Salt Lake City, Utah

5 p.m.—Edison program, NBC

5:30 p.m.—Family Farm Program

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
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<td>11 to 12 noon</td>
<td>Santa Cruz program</td>
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<td>12 to 12:30 p.m.</td>
<td>Market reports, weather</td>
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<td>1 to 1:30 p.m.</td>
<td>Hart's Happy Half Hour</td>
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<td>1:30 to 2:30 p.m.</td>
<td>The Friendly Hour</td>
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<td>5 to 5:30 p.m.</td>
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<td>5:30 to 5:45 p.m.</td>
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<td>6:30 to 6:50 p.m.</td>
<td>Weather, market reports</td>
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<td>6:50 to 7 p.m.</td>
<td>Farmers' Exchange</td>
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<td>Farm Bureau Radio News</td>
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<td>Los Gatos program</td>
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**MONDAY Programs**

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**KLX**

483.6 Meters

620 Kcys.

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 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 Reologue
8 to 9 p.m. — Shell Symphonists, NBC
9 to 9:30 p.m. — Voice of Firestone, NBC
9:30 to 10:15 p.m. — Tommy Monroe and Bob Allen
10 to 11:30 p.m. — KOPO Reube
11 to 11:02 p.m. — Kozak Radiogram
11:02 to midnight — KOPO Reube

**KFOX**

315.6 Meters

950 Kcys.

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
2:30 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
7:30 p.m. — 507 Boys
7:30 p.m. — Jean Leonard, Wizard of the Ivories
7:45 p.m. — Daily news
8 p.m. — Frederick Blitte, 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
7 to 8 a.m.—Simp's Flits from Seal Rocks
7:30 a.m. —New York Stock Exchange
8:30 to 9 a.m.—Radio 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.—Radadam program
11:45 to 12 noon—Amateur auditions
12 to 1 p.m.—Shaw—Sbetween noonday concert
1 to 2 p.m.—Leigh 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 Alracle
5:30 to 6 p.m.—Hank Howe and his music
6 to 7 p.m.—Orchestra and solists
7 to 7:30 p.m.—Demo Fiction program
7:30 to 8 p.m.—Model Musical Klock
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.—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 KQO Channel 59
590 Kcys. 1000 Watts
Louis Wasmser, 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.—Fun 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.—Trolidian 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.—Radio Clock program
10:30 to 11:30 p.m.—Trolidian String Ensemble
11:10 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 solists
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
5 to 6:45 p.m.—Pelton Motor program
6:45 to 7 p.m.—World-wide News
7 to 7:30 p.m.—In Danceland, NBC
7:30 to 8 p.m.—Silverwood's program
8 to 10 p.m.—Jamboree program, KHJ
8 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.—Bees Klim's Hints to Housewives
3 p.m.—Auburn Concert Orchestra
4 p.m.—Eldorado program
5:45 p.m.—Timely topics
6 p.m.—Do Witt's Happy program
6:30 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.

220.6 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 a.m.—Ray Stone, baritone
7 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 Hocking, 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

545.1 Meters \hspace{1cm} KTAB \hspace{1cm} Channel 55 \hspace{1cm} 500 Watts

Pickwick Broadcasting Co., Oakland, Calif.

Elbert Bellows
KYA—3 p.m.

Rembrandt Trio
KGO—7 p.m.

Eddie Holden
KJBS—3 p.m.

550 Kcys.

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.—Panchon’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

KFWB—950 Kcys. \hspace{1cm} Channel 95 \hspace{1cm} 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
6:30 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

340.7 Meters \hspace{1cm} KLX \hspace{1cm} Channel 88 \hspace{1cm} 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 6:30 p.m.—Brother Bob
6:30 to 6:50 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 \hspace{1cm} KGW \hspace{1cm} Channel 62 \hspace{1cm} 1000 Watts

The Morning Oregonian, Portland, Oregon

7:45 to 8 a.m.—Devotional services
8 to 9 a.m.—Portland Breakfast Club
8 to 9 a.m.—Portland Breakfast Club
9 to 9:30 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.—Orchestradians, NBC
7 to 8 p.m.—Hupmobile program
7 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

483.6 Meters \hspace{1cm} KGW \hspace{1cm} Channel 62 \hspace{1cm} 1000 Watts

The Morning Oregonian, Portland, Oregon

7:45 to 8 a.m.—Devotional services
8 to 9 a.m.—Portland Breakfast Club
8 to 9 a.m.—Portland Breakfast Club
9 to 9:30 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.—Orchestradians, NBC
7 to 8 p.m.—Hupmobile program
7 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

237.8 Meters \hspace{1cm} KLX \hspace{1cm} Channel 88 \hspace{1cm} 500 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
6:30 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

840.5 Meters \hspace{1cm} KGW \hspace{1cm} Channel 62 \hspace{1cm} 1000 Watts

The Oregonian, Portland, Oregon

7:45 to 8 a.m.—Devotional services
8 to 9 a.m.—Portland Breakfast Club
8 to 9 a.m.—Portland Breakfast Club
9 to 9:30 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.—Orchestradians, NBC
7 to 8 p.m.—Hupmobile program
7 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
**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 Kenedy, tenor, and John Teel, baritone. Broadcast through KHQ, KOMO, KGW and KGO.

6 to 6:30 p.m.—Clicquot Club Eskimos

Guided by the baton of Phil Spitalny, the Clicquot Club Eskimos will feature 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

Gualtiero Benedetto, tenor, heads the quartet known as the Neapolitan Singers, while Pasquale Reacigno 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 Dufofold Parker, a contralto, and Parker Duofold, soprano 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 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 Seban, "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 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.—The 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, Paul Pitman
2:30 to 2:43 p.m.—Ye Towne Crier
2:43 to 2:45 p.m.—Kozak Radiogram
2:45 to 3:40 p.m.—Baseball broadcast
3:40 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 8:30 p.m.—Clicquot Club Eskimos, NBC
8:30 to 9 p.m.—Daily Requiem
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 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 p.m.—Arradians Mixed Quartet
6 to 6:30 p.m.—Clicquot Club Eskimos, NBC
6:30 to 7 p.m.—Freshmen Orchestras, 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.
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 Olem Kennedy
11 to 11:45 noon—Olympic Rangers and Anthony Euwer
11:45 to 12 noon—Ala Maja

239.9 Meters KFOX Channel 125
1250 Kcys.
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 9 a.m.—Bright and Early Hour
9:45 to 11 a.m.—Novelties, organ
11 a.m. 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. Medcafe
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 6:06 p.m.—Lost and Found Department
6:06 to 6:45 p.m.—Sunset Harmony Boys
6:45 to 7:15 p.m.—Dr. Williams
7 to 7:20 p.m.—Hollywood Girls and quartet
7:20 to 7:30 p.m.—Buster Wilson's orchestra
7:30 to 8 p.m.—Organ recital; Roy L. Medcafe
8 to 8:30 p.m.—Long Beach Band, under direction of Hertha 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 10:15 p.m.—Enchanters' Quartet, ABC
10:15 to 10:30 p.m.—Charlie Joslyn's orchestra
11 to 11 a.m.—Dorado Club, Four Red Coats

ABC American Broadcasting Company

A—KJR, KEX, KGA, KYA, KDYL, KLZ
12 to 12:15 p.m.—Early Morning Serenaders—C
12:15 to 12:30 p.m.—KFBK
12:30 to 1:15 p.m.—World in Review—E
1:15 to 2 p.m.—“America Meets the Orient,” Dr. H. H. Gowan—E
2 to 3 p.m.—American Artistic Ensemble; Hallie F. Staude, soloist—B
3 to 4 p.m.—“Today’s Musical Hour”—B
4 to 5 p.m.—“Today’s Musical Hour”—B
5 to 6 p.m.—Paul Whiteman—Old Gold Hour from Hollywood—B plus KFBK
6 to 6:30 p.m.—Danskis’ Neapolitans; Ve Ona Socolofsky, soloist—D
6:30 to 7 p.m.—“Today’s Musical Hour”—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 9 p.m.—August Outings; Merle North, soloist—B plus KFBK
8:30 to 9 p.m.—Histories of Paul Bunyan, sketch by James Stevens—B 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

296.6 Meters KQW Channel 101
1010 Kcys.
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
3 to 4 p.m.—Children’s program
4 to 5 p.m.—Herzog and Hierman program
5:45 to 6 p.m.—Frightened Hour
6 to 6:15 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.—Pattison’s Frightened Hour
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

7 to 8 a.m.—Simply 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 noontday concert
1 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 Storyman
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-wild News
7 to 8 p.m.—Charles Shepherd's Symphonishers
7 to 8 p.m.—Program from KFRC
8 to 9 p.m.—From the Hotel St. Francis
9 to 10 p.m.—Don Lee Symphony Orchestra
10 to 11 p.m.—Blimtmore 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 p.m.—California Home Life
10:30 to 11:30 p.m.—Woman's Magazine, NBC
11:30 to 12 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 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—Musketees, 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 8:15 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.—Programs
2:30 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.—Dr. Wiseman, health 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
11 to 11:30 a.m.—Record program
11:30 to 12 noon—French lessons by E. Leon
12 to 12:30 p.m.—Musical program
12:30 to 12:45 p.m.—Alder travelogue
1 to 2 p.m.—The Bookworm
2 to 2:30 p.m.—Recordings and announcements
3 to 3:15 p.m.—"Bello" talks
4 to 4:15 p.m.—Lost and found; stock reports
4:15 to 4:50 p.m.—Joyce Cool
4:50 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 program by Lawrence Le Mae
6:30 to 7 p.m.—KNX Concert Orchestra
7 to 7:30 p.m.—Talk by Dr. Max 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—Jackette and his Co-cocanut Grove Orchestra
12 to 1 a.m.—The Dorado Club dance hour
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<td>7 a.m.-</td>
<td>S &amp; W morning exercise, KPO</td>
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<td>8 a.m.-</td>
<td>Shell Happy Time from KPO</td>
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<td>9 a.m.-</td>
<td>Bess Kilmer's Hints to Housewives</td>
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<td>9:30 a.m.-</td>
<td>Sarah Ellen Barnes' talk on Hollywood</td>
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<td>10:30 a.m.-</td>
<td>Woman's Magazine, NBC</td>
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<tr>
<td>12 noon-</td>
<td>Dept. of Agriculture talks</td>
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<td>12:15 p.m.</td>
<td>Market reports</td>
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<td>2 p.m.</td>
<td>Leon Archer</td>
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<td>2:15 p.m.</td>
<td>Winnie Fields Moore</td>
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<td>3:30 p.m.</td>
<td>Gene Johnston, Leonard Van Berg</td>
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<td>4:25 p.m.</td>
<td>Better Business Bureau talks</td>
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<td>4:30 a.m.</td>
<td>Roy Brother</td>
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<td>5 p.m.</td>
<td>Leon Rene's Southern Syncopators</td>
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<td>6 p.m.</td>
<td>Clequot Club Eskimos</td>
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<td>6:30 p.m.</td>
<td>Orchestradians, NBC</td>
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<td>8 p.m.</td>
<td>Radio Service Corp., Salt Lake City, Utah</td>
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<td>9 a.m.-</td>
<td>Dan Maxwell, comedian</td>
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<td>10:30 a.m.-</td>
<td>Dr. F. S. Hirsch</td>
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<td>11:30 a.m.-</td>
<td>Carey Preston Rittmeister</td>
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<td>12 noon-</td>
<td>Tom Brenneman</td>
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<td>12:30 p.m.-</td>
<td>Tom and Wash</td>
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<td>1:15 p.m.</td>
<td>Hal Roach Comedy Gossip</td>
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<td>2 p.m.</td>
<td>Madame Lenro</td>
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<td>3 p.m.</td>
<td>Auburn Orchestra</td>
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<td>3 p.m.</td>
<td>Eldorado program</td>
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<td>3:30 p.m.</td>
<td>Timely topics</td>
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<td>4:30 p.m.</td>
<td>Diet Question Box</td>
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<tr>
<td>5 p.m.</td>
<td>De Witt Hagar's program</td>
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<td>9 p.m.</td>
<td>Auburn Orchestra</td>
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<td>10 p.m.</td>
<td>KFWD Orchestra</td>
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<td>11 to 1 a.m.</td>
<td>Sebastian's Cotton Club Orch.</td>
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### Wednesday Programs

**Aug. 21, 1929**

**KFI**  
Channel 64  
5000 Watts

**379.5 Meters**  
KGO  
Channel 79  
10,000 Watts

**468.5 Meters**  
KPO  
Channel 64  
5000 Watts

**280.2 Meters**  
KJBS  
Channel 107  
100 Watts

### Broadcast Weekly

**468.5 Meters**

**KFI**  
Channel 64  
5000 Watts

**379.5 Meters**

**KGO**  
Channel 79  
10,000 Watts

**468.5 Meters**

**KPO**  
Channel 64  
5000 Watts

**280.2 Meters**

**KJBS**  
Channel 107  
100 Watts

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**Broadcast Weekly**

1070 Kcys.  
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 12 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

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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.

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WEDNESDAY Programs

ABC

American Broadcasting Company

A—KJR, KEX, KGA, KYA, KCDY, KLZ
B—KJR, KEX, KGA, KYA, KMTL, KDLZ, KLZ
C—KJR, KEX, KGA, KYA, KMTL
D—KJR, KEX, KGA
E—KJR, KEX, KGA, KCDY, KLZ, KMTL
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 Orch. and Anthony Ewuer—C (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.—American Salon Orch.; F. Longo, director; Perdin Korsho, 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 Socofsky, 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, Francescoco Longo, director; Ve Ona Socofsky and Sydney Dixon, soloists—B
6 to 6:30 p.m.—Koster program, CBS from New York—B
6:30 to 7 p.m.—Organ program, compositions of Franz Schubert, Pacific Salon Orchestra and Dorothy Lewis, soloists—C plus KFBK
7 to 7:15 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
8:45 to 9 p.m.—“Captain Vacation”
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 Gwynfl 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

KFVD Channel 71

491.5 Meters
610 Kvcs.


7 to 8 a.m.—Simpy 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 Daily Chats
11 to 11:30 a.m.—Domestic Science talk
11:30 to 12 noon—Amateur auditions
12 to 1 p.m.—Sherman-Clay noontime concert
1 to 1:30 p.m.—Leigh Harline, organist
1:30 to 2 p.m.—Charlie Wellman
2 to 3 p.m.—KFRD 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 4:45 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.—KJH 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

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alia Meters
310 Kvcs.

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 6:45 p.m.—Musical program
6:45 to 7 p.m.—Frigidaire program
6 to 6:30 p.m.—U. S. Rubber Co. concerts
6 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
8 to 8:30 p.m.—Park Avenue Radio News
8 to 8:45 p.m.—First Baptist Church

KNX Channel 105

1050 Kvcs.

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 3 p.m.—Records and announcements
3 to 3:30 p.m.—KNX Clinic of the Air
3:30 to 4 p.m.—“Bettie’s Speech,” Mrs. D. Hugh Roberts; Merle North, soloist—C
4:30 to 5 p.m.—C. P. R. 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 LeMae
6:30 to 7 p.m.—KNX Concert Orchestra
7 to 7:30 p.m.—Georgie Fife and Eddie Albright
8 to 9 p.m.—Calmon Luboviski, master violinist; Claire Mallonino, pianist; Walter V. Ferner, cellist
9 to 10 p.m.—KNX feature artists
10 to 12 midnight—Jackie Taylor and his Coconat 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 Oronte 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 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.

5:30 to 6:30 p.m.—Palmolive Hour
Max Dolin will direct the Pacific Vagabonds in an hour of symphonic jazz broadcast through KOMO and KGO.

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
Max Dolin will direct the 18-piece Stromberg-Carlson Orchestra in the ABC 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.

8:30 to 9 p.m.—Roads to Romance
Max Dolin will direct the 18-piece Stromberg-Carlson Orchestra in a half hour's program of music through KHQ, KOMO, KGW and KGO.

9:30 to 10 p.m.—"Roads to Romance"

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

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 is 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

KFWB Channel 95
950 Kcys. 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

3:30 p.m.—Radio Varieties

6:20 p.m.—Musical program

6:45 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

KHQ Channel 59
590 Kcys. 1000 Watts

Louis Wasmer, Inc., Spokane, Washington

7:30 to 8 a.m.—Kronenberger's program

8 to 9 a.m.—Shell Happy Time

9 to 10 a.m.—Musical Bazaar

10 to 11 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

1:45 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.—Troliday 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.—Ray Bailey's sextet

9 to 9:15 p.m.—Musical program

9:15 to 9:30 p.m.—Alice in Launderland

9:30 to 10 p.m.—Radio Variety Hour

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

<table>
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<tr>
<th>Time</th>
<th>Program Details</th>
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<td>Early Morning Serenade, ABC</td>
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<td>6:00 a.m.</td>
<td>American Salon Orch., ABC</td>
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<td>6:30 a.m.</td>
<td>Americana Salon Orchestra, ABC</td>
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<td>7:00 a.m.</td>
<td>Elmira Talk, ABC</td>
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<td>7:30 a.m.</td>
<td>Motley Talk, ABC</td>
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<td>Daily Talk, ABC</td>
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<td>Infinite Talk, ABC</td>
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<td>America Talk, ABC</td>
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<td>10:00 a.m.</td>
<td>Personality Talk, ABC</td>
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<td>Hollywood Girls, ABC</td>
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<td>11:00 a.m.</td>
<td>Today's Talk, ABC</td>
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<td>Daily News, ABC</td>
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<td>Noon News, ABC</td>
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<td>Midday Talk, ABC</td>
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<td>1:00 p.m.</td>
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- **440.9 Meters**
  - **PACIFIC BROADCASTING CORP., SAN FRANCISCO**
  - **KYA Channel 123**
    - 1230 Kcys.
    - 1000 Watts
  - **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
  - 11 to 12:00 p.m. - Time Journals, Scripture reading and announcements
  - 12:05 to 12 p.m. - Aeolian Trilo
  - 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 2:45 p.m. - Ye Towne Crier
  - 2:45 to 2:45 p.m. - Kazak Radiograms
  - 2:45 to 3:00 p.m. - Baseball broadcast
  - 3:40 to 3:40 p.m. - Stock market quotations
  - 4:40 to 5 p.m. - Children's Hour
  - 5:40 to 5:30 p.m. - Land o' Health, NBC
  - 5:50 to 6:30 p.m. - Pamelove, NBC
  - 6:30 to 7 p.m. - Stromberg-Carlson, NBC
  - 7 to 7 p.m. - Reo Masters of Music
  - 8 to 8:30 p.m. - Jacque Pame, NBC
  - 8:30 to 9 p.m. - Hill Billies, NBC
  - 9 to 9:30 p.m. - Kazak 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. - Kazak 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. - Pamelove 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. - Kwan's Club luncheon
  - 1:30 to 2 p.m. - Charlie Willman'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. - Malline 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 7:05 p.m. - Don Lee's Radio Orphans
  - 7:05 to 8:30 p.m. - KHJ organ and announcements
  - 8:30 to 9 p.m. - Howard Auto program, XVII
  - 9 to 9:15 p.m. - Elvia Allman's Surprise Package
  - 9:15 to 10 p.m. - Kentfield's Surprise Package
  - 10 to 12 midnight - Earl Burttett's Bitmore Hotel Dance Orchestra and Trio
  - 12 to 1 p.m. - Wesley Tourtellotte, organist
**Broadcast Weekly Programs**

### 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, lawyer; 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. - Ad Schuster; music talk by Roy Harrison Danforth: book reviews by The Bookworm; Attorney Milton W. Dobrzensky, lawyer; and piano solos by Helen Wegman Parmelee
- 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 - Classified Adv. Hour
- 12 to 1 p.m. - Home Towners
- 1 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, finahce
- 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 Cati Tobin, tenor, and Estelle Moran, pianist
- 9:30 to 10:30 p.m. - Walter J. Rudolph and the Melody Masters, with Lou Gordn, tenor
- 10:30 to 11 p.m. - Pickwick Aviators
- 11 to 12 midnight - Nite Owls with Willard W. Kimball

#### 483.6 Meters

**KLX**  
Channel 88  
880 Kcys.  
500 Watts  
Tribune Publishing 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. - Mother 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, finahce
- 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 Cati 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 12 midnight - Nite Owls with Willard W. Kimball

#### 545.1 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-Carsons, NBC
- 7 to 7:15 p.m. - Pepsodent program, NBC
- 7:15 to 8 p.m. - George Hall and his Elitch 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

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**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.**

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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.

Broadcast Weekly

May Dearborn Schwab
KFWI—9 p.m.

Howard Eastwood
KFWI—10:30 p.m.

SCOTTY MCKENNA
KFWI—10:30 p.m.

491.5 Meters

KFRC

Channel 61

1000 Watts


7 to 8 a.m.—Simply 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.—Wyi's Daily Chats
11 to 11:30 a.m.—Studio program
11:30 to 12 noon—Amateur auditions
12 to 12 midnight—Anson Weeks' Hotel Mark Hopkins Orchestra

243.8 Meters

KYA

Channel 123

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 10 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 12 midnight—Pacific Salon Orchestra, ABC

361.2 Meters

KOAM

Channel 83

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 6:30 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.—Pepsonet program, NBC
7:15 to 7:30 p.m.—NBC and Concert Bureau
7:30 to 8:30 p.m.—Supreme Serenaders
8:30 to 9 p.m.—United Reproducers, NBC
9 to 10 p.m.—Troutdale Orchestra

315.6 Meters

KFWB

Channel 95

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
4:30 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

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.
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. While 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 Rubettes 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 Piping of Pan Maxwell' which 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 KHQ and KOMO.

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 old 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 delicate 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 Viennais,' a highlight of the second group. 'Frills and Gold Lace' are suggested in Chaminade's 'La Lisgnera' and Cul's descriptive 'Tin Soldier.'

Saint-Saëns, 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 Whoopee 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 'I'm 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), "Only Smithers" (Billy Page), and other characters portrayed by Ben McLaughlin, Bobbe Deane, Olive West and Bernice Berlin.

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 Lacome'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.—Business talk, Dept. of Commerce

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

11 to 11:30 a.m.—So-A-Tone Radiollette

11:30 to 12 noon—Business talk, Dept. of Commerce

12 to 12:15 p.m.—Musical entertainment

1:15 to 3 p.m.—Musical entertainment

3 to 4 p.m.—House of Myths, NBC

4 to 5 p.m.—Musical entertainment

5 to 6 p.m.—Musical entertainment

6 to 6:30 p.m.—Halsey Stuart, NBC

6:30 to 7 p.m.—Libby, McNeill & Libby, NBC

7:30 to 8 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.—George 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
11:30 to 11:45 a.m.—Warren Anderson's Olympic Rangers—D
11:30 to 11:45 a.m.—Du Barry Quarter Hour with 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.—George Stoll's Rhythm Aces with Yvonne Peterson, soloist—B
2 to 3 p.m.—Pacific Salon Orchestra—B (KYA to 2:45)
3 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 to 6 p.m.—Anthony Ewuer, Bard of the Air—B plus KFBK
6 to 6:15 p.m.—American Salon Orchestra; Francesco 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 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

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 9:30 a.m.—Radio Page 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 Kinnell
12 to 12:15 p.m.—Scripture reading

Broadcast Weekly

545.1 Meters

KTAB Channel 55

550 Kcys.

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 10:10 a.m.—Recordings
10:10 to 11 a.m.—Dr. Corley
11 to 12 noon—Chapel of the Chimes
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 Towner
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.—Plano recital, Walter J. Rudolph
8 to 8:30 p.m.—Organ recital
8:30 to 10:30 p.m.—Coconuts, 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.

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
6:45 to 8:30 a.m.—Inspirational talk
8:40 to 8:55 a.m.—Records and announcements
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 Leonce
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
2:30 to 3 p.m.—Records and announcements
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 KFWB
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.—Organ recital with Hugh Barrett Dobbs and William H. Hancock
9:30 to 10 a.m.—Dobbs’ Daily Chat
10 to 11 a.m.—Woman’s Magazine of the Air, NBC
12 to 12:05 p.m.—Signal, Scripture reading and announcements
12:05 to 12:30 p.m.—Saul Steff 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 2:43 p.m.—Te Towne Crier; stock quotations
2:45 to 2:55 p.m.—Kozak Radiogram
2:55 to 3:05 p.m.—Baseball broadcast
3:05 to 3:40 p.m.—Stock market quotations
3:45 to 4 p.m.—The Eternal Question, NBC
4 to 4:30 p.m.—Radio Show program, presented by Ben Lipston, Jerry McMillan and Mike Caprero
4:30 to 5 p.m.—Radio Show program from Auditorium, “Songs of the Moment,” with Al Sather, Grace Clarke and June Douglas
5 to 5:15 p.m.—Radio Show program, Hot-N-Kold Rodeo with Eddie Holden
5:15 to 5:30 p.m.—Radio Show program, presented by "Blindcraft."
4:30 to 5 p.m.—Radio Show program, presented by Ben Lipston, Jerry McMillan and Mike Caprero
5 to 6 p.m.—Dinner music
6 to 6:45 p.m.—New record releases

508.2 Meters KHQ Channel 59
590 Kcys. 1000 Watts

Louis Wasmter, Inc., Spokane, Washington

11 to 12 noon—Farmers’ Service Hour
12:15 to 12:50 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.—Fun 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 8 p.m.—Nick Harris detective stories
7:30 to 8:30 p.m.—Standard Symphony, NBC
8:30 to 9 p.m.—Max Dulin and his Kylotelephones, 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. 100 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 2 p.m.—Radio Show program from Audiorium, “Songs of the Moment,” with Al Sather, Grace Clarke 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."
4:30 to 5 p.m.—Radio Show program, presented by Ben Lipston, Jerry McMillan and Mike Caprero
5 to 6 p.m.—Dinner music
6 to 6:45 p.m.—New record releases

468.5 Meters KFI Channel 64
640 Kcys. 5000 Watts

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

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 Holly-wood Bowl
10 a.m.—Woman’s Magazine, NBC
11 a.m.—French lesson by Annette Doherty
11:15 a.m.—Katherine Edson talk on Rhymie Movement
12 noon—Dept. of Agriculture talks
12:15 p.m.—Market reports
12:30 p.m.—Lieut. Schumacher
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 Dulin and his Kylotelephones, NBC
9 p.m.—North American Bldg. & Loan Assn.
10 p.m.—Slumber Hour, NBC
11 p.m.—KFI News Bureau
**THURSDAY Programs**

<table>
<thead>
<tr>
<th>Frequency (M)</th>
<th>Station</th>
<th>Channel</th>
<th>Power (W)</th>
</tr>
</thead>
<tbody>
<tr>
<td>379.5</td>
<td>KGO</td>
<td>79</td>
<td>10,000</td>
</tr>
<tr>
<td>322.4</td>
<td>KFWI</td>
<td>93</td>
<td>500</td>
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<td>267.7</td>
<td>KMIC</td>
<td>112</td>
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<td>265.3</td>
<td>KSL</td>
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<td>250</td>
<td>KFVD</td>
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<td>340.7</td>
<td>KLX</td>
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<tr>
<td>329.9</td>
<td>KFOX</td>
<td>125</td>
<td>1000</td>
</tr>
</tbody>
</table>

**Broadcast Weekly**

**340.7 Meters**

**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, planist
- 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
- 9:30 to 10:30 p.m.: Machado's KLX Hawaiians

**322.4 Meters**

**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 Chaplins

**267.7 Meters**

**KMIC**

Channel 112

500 Watts

Dalton's, Inc., Inglewood, Calif.

- 5 p.m.: Request records
- 6 p.m.: Marie Hookings, organ recital
- 7 p.m.: Danny band and Peggy Price
- 7:30 p.m.: Playgoers' Club, Wedgewood Nowell
- 10:30 p.m.: Cinderella Roof Ballroom

**265.3 Meters**

**KSL**

Channel 113

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 McNeill, 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

**250 Meters**

**KFVD**

Channel 71

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 Brennan
- 12:30 p.m.: Tom and Wash
- 1:15 p.m.: Hal Roach Comedy Gossip
- 2 p.m.: Madame Laura
- 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.

**242.3 Meters**

**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, planist
- 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
- 9:30 to 10:30 p.m.: Machado's KLX Hawaiians

**322.4 Meters**

**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 Chaplins

**239.9 Meters**

**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 Dulan 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 KFBW
- 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 Joslyns orchestra
- 11 to 1 a.m.: Dorado Club, Four Red Coats

**SUBSCRIBE NOW**

BROADCAST WEEKLY will be delivered to your door every week for one full year for only $3.00.
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
K TAB
Channel 55
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.—Panchon'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 Stensvold, 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
K LW
Channel 88
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 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 4:50 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 Weggman 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
K Q W
Channel 101
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.—Fruit's Happy Half Hour
1:30 to 2:30 p.m.—The Friendly Hour
2:30 to 3:30 p.m.—Musical program
3 to 4 p.m.—Children's program
4 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
K OA
Channel 83
General Electric Co., Denver, Colorado
5 to 6 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, KDJL, KLZ
B—KJR, KEX, KGA, KYA, KMTR, KDJL, KLZ
C—KJR, KEX, KGA, KYA, KMTR
D—KJR, KEX, KGA
E—KJR, KEX, KGA, KDJL, KLZ, KMTR
8 to 9 a.m.—Early Morning Serenaders—C
9 to 9:30 a.m.—Better Business 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 Euyen—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 Dixon—B (KYA at 1:45)
2 to 3 p.m.—American Artistic Ensemble; Halie F. Staude and Nathan Stewart, soloists—C (KJR to 2:30)
3 to 4 p.m.—Olympic Rangers—E
4 to 5 p.m.—Here and There with Burton W. James—B (KYA at 4:50)
5 to 5:30 p.m.—Children's Hour, Pacific Salon Orchestra; Dolly O'Day and Helen Troy—C plus KFBK
5:30 to 6 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 Armour program, NBC—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.

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 Troubadours
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 Band, with Eddy Holden
4 to 5 p.m.—Radio Show program, Dell Raymond, Harry Miles, June Franklin, Ray O'Donnell and Dell Perry
5 to 6 p.m.—Popular dance music
6:15 to 6:45 p.m.—Barnes' Sunset Revue

379.5 Meters

KGO

Channel 79

790 Kcys.

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, sports; daily bulletins
2 to 3 p.m.—Edward J. Fitzpatrick and his Hotel St. Francis Salon Orchestra
3:30 to 5 p.m.—Tom King, detective stories
5:30 to 6 p.m.—Interweave's Pair, NBC
5:30 to 6 p.m.—Stocks; S. F. produce, daily bulletins and news
6 to 6:30 p.m.—Sunner Melodies, NBC
6:30 to 7 p.m.—Armour program, NBC
7 to 8 p.m.—Victor Green Room, NBC
7 to 9 p.m.—RCA Hour, NBC
8 to 9 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, violist; Eva Garcia, pianist
11 to 12 midnight—Henry Halstead's Hotel St. Francis Dance Orchestra

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. Linberger
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"—KFWI
6 to 6:30 p.m.—Leta Thompson, pianist; assisting artists
6:30 to 7 p.m.—Georgina 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

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.—Woodlands Breakfast Club
8 to 8:30 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 1:30 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. 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 6 p.m.—The Story Man
5:30 to 6 p.m.—Bart Howe's dance band
5 to 6:45 p.m.—Organ recital
6:45 to 7 p.m.—World-wide News
7 to 7:30 p.m.—Peppton Motor program
7:30 to 8 p.m.—Capistrano Beach program
8 to 8:05 p.m.—Forest Lawn program
9 to 10 p.m.—Don Lee Symphony
9:30 to 10 p.m.—Veedit program
11:15 to 12 midnight—Henry Halstead's Biltmore Hotel Dance Orchestra and Trio
12 to 1 a.m.—Organ recital, Wesley Tourtellotte
FRIDAY Programs
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, household housewives will be given new recipes and tempting menus.
Broadcast through KHQ, KOMO, KGW, KGO, KPO, KPI, 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 KPI.

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 Intwoven Pair presenting a half hour of comedy and music broadcast through KHQ, KOMO, KGW, KGO, KPO and KPI.

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 Wildnese, tenor, are the vocalists for this Armour program.
Broadcast through KHQ, KOMO, KGW, KGO, KPO and KPI.

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 Grunniger Atkinson, alto, 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's Mosher's entire glass-inclosed 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 the moral 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 Miss 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 the 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, who will not hear her. 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 KPI.

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-inclosed studio at the Sixth Pacific Radio Show in San Francisco's Civic Auditorium, where the Alfonso Blue and White Band will entertain for an hour.
Broadcast through KHQ, KOMO, KGW, KGO, KPO, KPI, 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. Marion Atkinson, Easton Kent, Ethel Waterfield, Marian Gilber, John Teel and the Pepper Maids will be the soloists on this program. Charles Hare will conduct the orchestra.
Broadcast through KGW, KPI and KOA.

11 to 12 midnight—Musical Musketeers
Walter Beban directs the 14-piece band which will interpret a group of especially arranged songs for the audience.
Broadcast through KOMO, KGW and KPO.
<table>
<thead>
<tr>
<th>Time</th>
<th>Program Description</th>
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<tbody>
<tr>
<td>2:10 p.m.</td>
<td>Coast League baseball game</td>
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<td>2:23 p.m.</td>
<td>House of Dreams, Paul Pitman</td>
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<tr>
<td>2:45 p.m.</td>
<td>Interwoven Pair, NBC</td>
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<tr>
<td>3:00 p.m.</td>
<td>Stock market quotations</td>
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<tr>
<td>3:45 p.m.</td>
<td>Baseball broadcast</td>
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<tr>
<td>4:00 p.m.</td>
<td>Stock market quotations</td>
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<tr>
<td>4:30 p.m.</td>
<td>Children's Hour</td>
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<td>4:55 p.m.</td>
<td>Federal Business Ass'n talk</td>
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<td>5:30 p.m.</td>
<td>Book review by Harold Small</td>
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<tr>
<td>6:00 p.m.</td>
<td>Summer Melodies, NBC</td>
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<td>6:30 p.m.</td>
<td>Armstrong &amp; Co., NBC</td>
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<td>7:00 p.m.</td>
<td>The Reo Masters of Music</td>
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<tr>
<td>7:30 p.m.</td>
<td>Interwoven Pair, NBC</td>
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<tr>
<td>8:30 p.m.</td>
<td>Olympic Rangers, ABC</td>
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<td>9:00 p.m.</td>
<td>Metro and Cosmo and Rhythm Aces</td>
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<tr>
<td>10:00 p.m.</td>
<td>Japanese dance orchestra</td>
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<tr>
<td>10:30 p.m.</td>
<td>Nightly news</td>
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<tr>
<td>11:00 p.m.</td>
<td>Prudence Penny</td>
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<tr>
<td>11:30 p.m.</td>
<td>Novelty</td>
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<tr>
<td>12:00 a.m.</td>
<td>Dance music</td>
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</tbody>
</table>

**FRIDAY Programs**

<table>
<thead>
<tr>
<th>Frequency</th>
<th>Station</th>
<th>Channel</th>
<th>Power</th>
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<tbody>
<tr>
<td>440.9 Meters</td>
<td>KPO</td>
<td>58</td>
<td>5000 Watts</td>
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<tr>
<td>483.6 Meters</td>
<td>KFWB</td>
<td>95</td>
<td>1000 Watts</td>
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<tr>
<td>520 Kcys.</td>
<td>KGW</td>
<td>62</td>
<td>1000 Watts</td>
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<tr>
<td>620 Kcys.</td>
<td>KYA</td>
<td>105</td>
<td>1000 Watts</td>
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**Broadcast Weekly**

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<td>KYA</td>
<td>105</td>
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**KPO Programs**

- **Channel 58**
- **5000 Watts**
- **Hale Bros. & The Chronicle, San Francisco**
- **Barrett Dobbs, with William H. Hancock**
- **8 to 9 a.m.** - Shell Happy Time by Hugh Barrett
- **9:30 to 10 a.m.** - Dobbs's Daily Chat
- **10 a.m.** - Bank of America of Calif.
- **10:15 to 10:30 a.m.** - Libby, M. 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
- **12:15 to 12:45 p.m.** - KPO Carolers
- **12:45 to 1:30 p.m.** - Common Wealth 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 3:45 p.m.** - Kozak program
- **4:25 to 6:30 p.m.** - Summer Melodies, NBC
- **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 6:45 p.m.** - Federal Business Ass'n talk
- **6:45 p.m.** - Book review by Harold Small
- **6 to 7 p.m.** - Summer Melodies, NBC
- **6:30 to 7 p.m.** - Armour & Co., NBC
- **7 to 7:45 p.m.** - Ceci and Sally, NBC
- **7:45 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

**KFWB Programs**

- **Channel 95**
- **1000 Watts**

**KGW Programs**

- **Channel 62**
- **620 Kcys.**

**KYA Programs**

- **Channel 123**
- **1000 Watts**

**KGW Programs**

- **Channel 52**
- **620 Kcys.**

**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
- **11:30 a.m.** - Prof. Moore's orchestra
- **11:45 a.m.** - Louise Sullivan's trio
- **12:15 to 1:15 p.m.** - Housekeepers' Chat
- **12:15 to 1:30 p.m.** - Air Journal
- **1:30 p.m.** - Prof. Moore's orchestra
- **1:45 p.m.** - Air Journal
- **2:10 p.m.** - Coast League baseball game
- **2:30 p.m.** - Radio Varieties
- **3:00 p.m.** - Musical program
- **3:30 p.m.** - Harry Jackson's entertainers
- **4:30 p.m.** - Don Warner's dance orchestra
- **5:15 p.m.** - Don Warner's dance orchestra
- **5:45 p.m.** - Dally news items
- **6:30 p.m.** - Continuity program
- **7:30 p.m.** - Ray Martinez Concert Orchestra and soloists
- **8:30 p.m.** - Concert orchestra and soloists
- **9:30 p.m.** - Irving Aaronson and his Commanders
- **10 p.m.** - Irving Aaronson and his Commanders
- **11 p.m.** - Prof. Moore's orchestra
- **midnight** - Organ recital
## FRIDAY Programs

**491.5 Meters**  
**KFRC**  
**Channel 51**  
**1000 Watts**  

**Don Lee, Inc., San Francisco, Calif.**

- **7 to 8 a.m.** — Simpy Fitts
- **7:30 to 10 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.** — Wyne’s Daily Chats
- **11 to 11:30 a.m.** — Domestic Science talk
- **11:30 to 11:45 a.m.** — Raidam broadcast
- **11:45 to 12 noon** — Amateur auditions
- **12 to 1 p.m.** — Sherman—Clay noontime concert
- **1 to 3 p.m.** — Leigh Harline, organist
- **3 to 4 p.m.** — Charlie Weillman
- **4 to 5 p.m.** — Musical record program
- **5 to 5:30 p.m.** — Something About Everything
- **5:30 to 6 p.m.** — News and lost and found
- **6 to 6:15 p.m.** — Studio program
- **6:15 to 7 p.m.** — Pat Frayne, sports
- **7 to 7:30 p.m.** — KFRC Orchestra and soloist
- **7:30 to 8 p.m.** — Anna Kristina program
- **8 to 9 p.m.** — A. C. Dayton “Navigators”
- **9 to 10 p.m.** — Anna Kristina program
- **10 to 10:30 p.m.** — Charlie Joslyn's orchestra
- **10:30 to 11 p.m.** — El Patio Ballroom
- **11 to 11:30 p.m.** — Al Jolson, a famous concert orchestra, two dance orchestras
- **11:30 to 12 midnight** — Davenport

**239.9 Meters**  
**KFOX**  
**Channel 125**  
**1000 Watts**  

**Nicholas & Warinner, Long Beach, Calif.**

- **5 to 7 a.m.** — Remote control, KGJF
- **7 to 7:30 a.m.** — Hello Everybody
- **7:30 to 8:15 a.m.** — Early news, records
- **8:15 to 8:45 a.m.** — Bright and Early Hour
- **8:45 to 9:30 a.m.** — Matinee Melody Masters
- **9 to 10 a.m.** — “Navigators”
- **9:30 to 11:10 a.m.** — Raladam broadcast
- **11:10 to 12 noon** — Amateur auditions
- **12 to 1 p.m.** — KSSK-Noon Hour, NBC
- **1 to 1:30 p.m.** — Copeland Musical Review
- **1:30 to 1:45 p.m.** — Modern Shops a la Mode
- **2 to 3 p.m.** — Gems from Sartori
- **2:15 to 2:30 p.m.** — Fur Facts
- **3 to 3:30 p.m.** — Theatrical Preview
- **3:30 to 3:45 p.m.** — Something About Everything
- **3:45 to 4 p.m.** — Hugo Escobar, Spanish lesson
- **4 to 4:15 p.m.** — Variety Hour
- **4:15 to 4:30 p.m.** — Health talk
- **4:30 to 5 p.m.** — Big Brother
- **5 to 5:15 p.m.** — Libby, McNeill, NBC
- **5:15 to 6 p.m.** — Libby, McNeill, NBC
- **6 to 6:15 p.m.** — Armour & Co.
- **6:30 to 7 p.m.** — Armour & Co.
- **7 to 7:30 p.m.** — Model Musical Klock
- **7:30 to 8 p.m.** — Sunrise Pep Period
- **8 to 9 p.m.** — Musical Bazaar
- **9 to 9:30 p.m.** — Shell Happy Time from KPO
- **9:30 to 10 p.m.** — Borden program, NBC
- **10 to 10:15 p.m.** — Libby, McNeill, NBC
- **10:15 to 10:30 p.m.** — “Paint o’ Mine” period
- **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.** — Lynchon program
- **12:15 to 12:30 p.m.** — Jones Musical Headlines
- **12:30 to 1 p.m.** — Musical program
- **1 to 2 p.m.** — Musical program
- **2 to 2:30 p.m.** — Morning exercises, KFI
- **2:30 to 3 p.m.** — Variety Hour
- **3 to 4 p.m.** — News report
- **4 to 5 p.m.** — Variety Hour
- **5 to 5:30 p.m.** — Interwoven String Ensemble
- **5:30 to 6 p.m.** — Interwoven Stocking Co., NBC
- **6 to 6:15 p.m.** — Armour & Co.
- **6:30 to 7 p.m.** — Armour & Co.
- **7 to 7:30 p.m.** — Musical program
- **7:30 to 8 p.m.** — Osborne Slaters, harmony singers; Leroy Johnson, popular basso, and Donald Cope, violinist, assisted by Afton Pitt.
- **8 to 9 p.m.** — Borden program, NBC
- **9 to 10 p.m.** — Studio program
- **10 to 11 p.m.** — Broadway Melodies, NBC

## 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 Slaters, 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 Wasmër, 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, McNeill, NBC
- **10:30 to 11 a.m.** — Woman’s Magazine, NBC
- **11 to 12 noon** — Farmers’ Service Hour
- **12 to 12:15 p.m.** — Lynchon 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.** — Tridiom String Ensemble
- **5 to 5:30 p.m.** — Interwoven Stocking Co., NBC
- **5:30 to 6 p.m.** — Tridiom String Ensemble
- **6 to 6:30 p.m.** — Davenport Hotel Dance Orch.
- **6:30 to 7 p.m.** — Armour Co. program, NBC
- **7 to 7:30 p.m.** — Victor Green Room, NBC
- **7:30 to 8 p.m.** — R. C. A. Hour, NBC
- **8 to 9 p.m.** — Borden program, NBC
- **9 to 10 p.m.** — Davenport Hotel Dance Orch.
**SATURDAY Programs**

**Aug. 24, 1929**

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**440.9 Meters**

**KPO**

680 Kcys.

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.—Rank 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 Jermalne for Hales

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

2:30 to 4:30 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 5:15 p.m.—General Electric program, NBC

5:30 to 6 p.m.—Daily Reologue

6 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

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**483.6 Meters**

**KGW**

620 Kcys.

Channel 62

1000 Watts

The Morning Oregonian, Portland, Oregon

7:46 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.—Travel 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

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**468.5 Meters**

**KFI**

640 Kcys.

Channel 64

5000 Watts

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

7 a.m.—S. & W. morning exercise, KPO

8 to 9 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

7:30 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

A nationwide 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 Ortega, 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 9 p.m.—Hotel Dance Orchestra

Grieg, Sanderson and Drdla are among the composers whose works 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 Mynaard Jones, the quartet of male voices will be heard in an hour of group of semi-classic favorites. The Troubadours' quartet numbers Ben Klassen, 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 Boban and the Musical Musketeers will offer an hour of dance music in a broadcast through NBC system stations between 11 and 12 o'clock. Special arrangements of the latest syncopated melodies will be used by this new ensemble of dance musicians.

333.1 Meters

KHJ

Channel 9

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 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 Percolator 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 Weillman's requests

2 to 3 p.m.—KJH 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 7:30 p.m.—Hank Howe's dance band

7:30 to 8 a.m.—Recordings

8 to 9 a.m.—KHJ Night Court

9 to 10 a.m.—Don Lee Symphony

10 to 12 midnight—Earl Burnett's Biltmore Hotel Dance Orchestra and Trio

12 to 1 a.m.—Organ recital

508.2 Meters

KHO

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 9:30 a.m.—Breakfast Nook Philosophy

9:30 to 10 a.m.—Recordings

10 to 10:30 a.m.—Sunshine Liberty organ

10 to 10:30 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 1:15 p.m.—Copeiland Musical Review

1:15 to 1:30 p.m.—Modern Shops a la Mode

1:30 to 2 p.m.—Pur 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.—Tripoian String Ensemble

4 to 5 p.m.—Tripoian String Ensemble

5 to 6 p.m.—General Electric, NBC

6 to 7 p.m.—Lucky Strike Hour, NBC

7 to 8 p.m.—Night 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

11 to 11:15 a.m.—Klein's Harmonica Trio

11:15 to 11:30 a.m.—Nat'l Percolator 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 Weillman's requests

2 to 3 p.m.—KJH 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 7:30 p.m.—Hank Howe's dance band

7:30 to 8 a.m.—Recordings

8 to 9 a.m.—KHJ Night Court

9 to 10 a.m.—Don Lee Symphony

10 to 12 midnight—Earl Burnett's Biltmore Hotel Dance Orchestra and Trio

12 to 1 a.m.—Organ recital
广播节目

SATURDAY Programs

ABC

American Broadcasting Company

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

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; Perdin Korsmo, soloist—C
10 to 11 a.m.—American Popular Orchestra—B
11 to 12 noon—Warren Anderson's Olympic Rangers with Anthony Euerwe—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, Perdin Korsmo and Hallie F. Staude—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—E
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 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 Jerry Hinkle—B plus KFBK
8 to 8:30 p.m.—Great American Appleburs—Sketch by Harry Colwell, directed by Florence Oatman—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 Ostad and Hayden Morris, soloists—B plus KFBK
11 to 12 midnight—Club Ether—Sketch by Harold Johnsrud—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 Birds Hour
8 to 9 a.m.—Favorite recordings
10 to 11 a.m.—Concert recordings
11 to 12 noon—Popular vocal records
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 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 6:30 p.m.—Organ recordings
5:30 to 6:45 p.m.—Dinner music

491.5 Meters

KFRC

Channel 61

610 Kcys.

1000 Watts


7 to 8 a.m.—Simply Pitts
8 to 9 a.m.—Early Birds, featuring the two boys, Ralph and Ray, Neil Larson and Ray Hoback
10 to 11 a.m.—Alice Blue, Al Pearce, Norman Neillson and Mac
11 to 12:16 a.m.—Amateur auditions
12:15 to 12:30 a.m.—Church announcements for Sunday services
12 to 1 a.m.—Sherman-Clay noontday concert
1 to 1:30 a.m.—Leigh Harline, organist
1:30 to 2 a.m.—Charlie Wellman
2 to 3 a.m.—KJH recital program
3 to 4 a.m.—Charlie Wellman's "Chasin' the Blues"
4 to 5 a.m.—Recordings
5 to 5:30 a.m.—Sunset Quintet
5:30 to 6 a.m.—Hank Howe and his music
6 to 7 a.m.—American Artistic Ensemble, Wesley Tourtelotte
7 to 8 a.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 midnight—Earl Burtnett's Biltmore Hotel Orchestra
12 to 1 a.m.—Dorado Club Silver Fizz dance program

265.3 Meters

KSL

Channel 113

1130 Kcys.

5000 Watts

Broadcast Service Corp., Salt Lake City, Utah

4 p.m.—The Caucade, 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

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
8:20 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 Lee 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 8:30 p.m.—Announcements of church services
8:30 to 9 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
243.8 Meters  KYA  Channel 123  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 Euer, 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 2:15 p.m.—Tom Smith, George Taylor, John Patrick, Helen Turek, Greta Gahler
2:15 to 2:30 p.m.—Baseball from Recreation Park
2:30 to 2:45 p.m.—Musical numbers
2:45 to 3 p.m.—News
3 to 3:15 p.m.—Originality Girls
3:15 to 3:30 p.m.—Song recital, ABC
3:30 to 3:45 p.m.—American Salon Orch., ABC
3:45 to 4:30 p.m.—Strolling musicians, ABC
4:30 to 4:45 p.m.—Musical numbers
4:45 to 5 p.m.—News
5 to 5:15 p.m.—Great Masters, ABC
5:15 to 5:30 p.m.—Business Barometer, ABC
5:30 to 6 p.m.—Artistic Ensemble, ABC
6 to 6:15 p.m.—Saturday Nighters, ABC
6:15 to 6:30 p.m.—Newsboys' Sextet; Buster Dees, popular songs
6:30 to 6:45 p.m.—Musical program
6:45 to 7 p.m.—Ala Maja
7 to 7:15 p.m.—Pepsodent program, NBC
7:15 to 7:30 p.m.—International Sunday School League
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.—Triboudeaux, NBC
11 to 12 midnight—The Musical Musketeers, NBC
12 to 1 a.m.—Wilt Gunzendorfer's Hotel Whittcomb Band, S. F.

315.6 Meters  KFWB  Channel 95  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
6:30 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.—Monica 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.

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 6 p.m.—Herzog and Bierman program
5:45 to 6 p.m.—Frigidaire program
6:30 to 6:50 p.m.—Musical program
6:30 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.

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 7:30 p.m.—Majestics in Spain
7:30 to 7:45 p.m.—Sports review, Al Santoro
7:45 to 8:30 p.m.—KOA String Trio
8:30 to 8:45 p.m.—News of the World

379.5 Meters  KGO  Channel 79

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.—Radio 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.—Majestics 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 Whittcomb Band, S. F.
% 545.1 Meters  
**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
- 3 to 4 p.m. — Chapel of the Chimes
- 4 to 5 p.m. — Home Towner
- 5 to 6 p.m. — Brother Bob's Frolic
- 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

% 322.4 Meters  
**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, 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  
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 Brenneman
- 12:30 p.m. — Tom and Wash
- 1:15 p.m. — Hal Roach Comedy Gossip
- 2 p.m. — Madame Laura
- 3 p.m. — Auburn Orchestra
- 4 p.m. — Eldorado program
- 5:45 p.m. — Timely topics
- 8 p.m. — The Witt Hagar's program
- 9 p.m. — Auburn Orchestra
- 10 p.m. — KFVD Orchestra
- 11 to 1 a.m. — Sebastian's Cotton Club Orch.
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