

BROADCAST WEEKLY

(FORMERLY RADIOCAST WEEKLY - ESTABLISHED 1922 AS BROADCAST PROGRAM)

A. J. URBAIN, *Publisher*

PUBLISHED ON THE FIRST DAY OF
EACH WEEK BY

**BROADCAST WEEKLY
PUBLISHING
COMPANY**

PACIFIC BUILDING,
821 MARKET STREET, SAN FRANCISCO
TELEPHONE DOUGLAS 5273



ENTERED AS 2ND CLASS
MATTER, MARCH 25, 1923, BY THE
POST OFFICE, SAN FRANCISCO, CALIFORNIA
UNDER ACT OF MARCH 3, 1879

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**BROADCAST WEEKLY
PUBLISHING COMPANY**

10 CENTS THE COPY FROM ALL NEWSDEALERS
BY SUBSCRIPTION \$300 PER YEAR

Vol. 7

San Francisco

MARCH 30, 1929

Los Angeles

No. 27

THE EDITOR'S PAGE

THE Federal Radio Commission now finds itself in such a maze of legal tangles that Louis G. Caldwell, general counsel for the commission, will very probably be appointed special assistant to the Attorney General in order to untangle the mess. Caldwell has battled from the beginning to have sound establishments and adequate rulings firmly establish both the radio law of the country and its procedures. This has been set forth in the briefs which accompany the dozen or more cases now pending for determinative decisions.

Most of the suits or actions involve determinations of the commissions authority, and are pending in the District Court of Appeals. One has been decided—the WGY case, which sheared the commission of considerable authority and struck at its legal powers, as well as opening the whole question of vested and priority rights in the matter of wave channels and power. Another important case is pending—WTRL, of Midland Park, N. J., ordered off the air entirely by the commission as not serving any public interest, convenience and necessity. Until the courts have fully decided the scope of the commission's authority Caldwell's briefs must stand as pioneer monuments lighting the way to determinative legislation of the right sort.

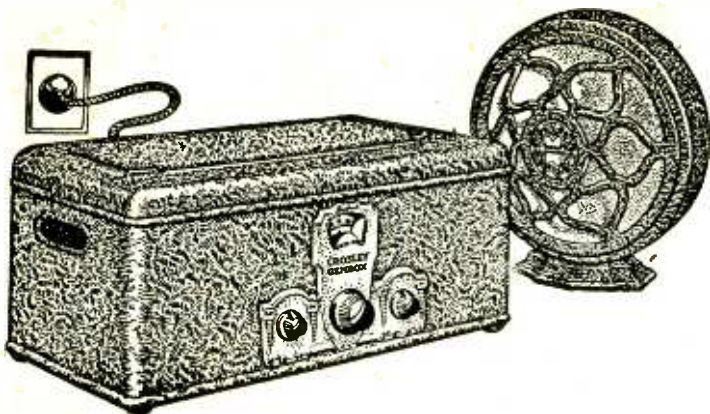
The problem of giant power above the so-called and misused "super" field still continues to be a matter of debate. Letters from radio listeners are entirely without value in settling the problem, according to Washington authorities. Some rural dis-

tricts object to the vast power which spreads all over their sets even in the country, while some city listeners claim that there is no interference. The settling of the problem will have to be one of judgment rather than public verdict, there being so many divergent opinions as to render this poll of no value.

It has been definitely determined by the government, and will probably remain, at least for some time, as a general policy, that television is not to intrude into the broadcast field. This because of the squeal which accompanies it and which cannot be confined in the ten-kilocycle limit of broadcast station channels. This means that such receiving instruments as combine both television and broadcast reception in the future will be duplex in nature, working two bands at once. This brings to the fore a new type of radio receiver which manufacturers are even now engaged in developing.

Uncle Sam is faced with a new problem in radio and one that will have to be threshed out in Congress. It will be a dog fight when it comes, with "vested interests" locking horns on both sides. It is the problem of who is to control the commercial radio business. The application of the Ford Motor Company for six channels with which to work its rubber plantations in South America is the first of a series of applications from private companies all anxious to maintain communication services. This means competition with commercial companies already in the field with investments representing millions.

(Continued on Page



The GEMBOX

AC!
Dynamic!
Selective!
Power!

\$69.00

Without
Tubes

The outstanding Crosley Success in Radio Receivers.
Powerful—Selective—Sensitive—out-performing and
out-selling all other receivers AT ANY PRICE.

Dynamic Speaker \$27.00

The wonderful development in loud speakers that
makes all broadcasting seem as if you were there.

Exclusive California Distributors

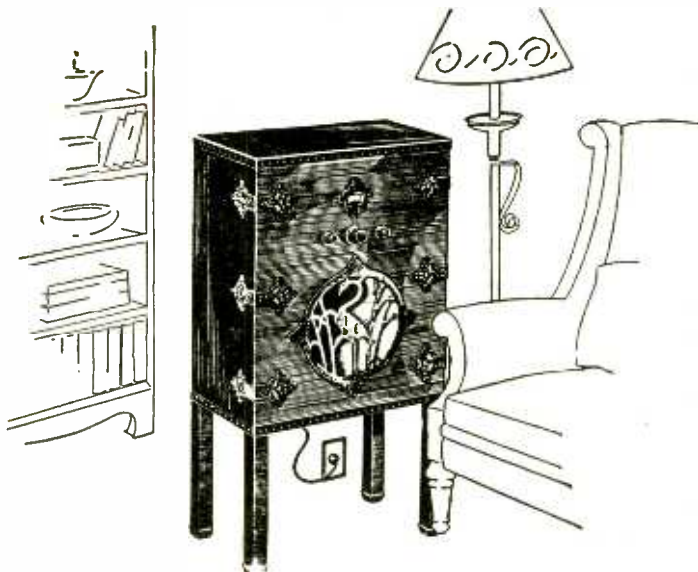
KIERULFF & RAVENSCROFT
RADIO EQUIPMENT



121-131
Ninth Street
SAN FRANCISCO

133-141
West 17th Street
LOS ANGELES

YOU'RE THERE WITH A CROSLY



The SHOWCHEST

\$134.50
Complete

BEAUTY, as well as performance—at the world's lowest price for standard radio!

Three fashionable colors—Mandarin Red, Nanking Green, and Manchu Black with gold or silvered trimmings.

Size in keeping with today's trend—just right for the small apartment, unobtrusive in the large room—a simple problem in arrangement in any room.

8-tube A-C Electric—illuminated dial, push-pull amplification—the perfected neutrodyne. Sensitive, selective, powerful! Equipped with the dynamic type Dynacone, the outstanding power speaker of the year!

Exclusive California Distributors

KIERULFF & RAVENSCROFT
RADIO EQUIPMENT

121-131
Ninth Street
SAN FRANCISCO

133-141
W. 17th Street
LOS ANGELES

YOU'RE THERE WITH A CROSLEY

THE VANISHING CABS

By JULIAN RASHMAN

JEEKS McGraw, District 8 dispatcher, was properly amazed. There were blanks on his trip sheet against four cabs, each of which was supposed to be out on a good send. Yet No. 51 had been out an hour and No. 46 was thirty-eight minutes late. It had never happened before. The calls had been up in the Forty-ninth Street district, where there was no curb-hugging. Clubmen, downtown diners, theatre loads—traffic of that nature that kept the wheels rolling. McGraw took down his telephone and flashed headquarters.

"Say, have you been filling off my stand?" he asked Blaney, veteran dispatcher. Blaney's reply was slow in coming. Then—

"How many are you short?"

"Four," said McGraw. "They haven't reported either. Why poach on me during a peak hour?"

"Wait a minute." Blaney's voice was curt. "How long have your four been out?"

"One since 5:22—it's 6:28 now. The others . . ."

"Up Forty-ninth and Washington Square way?" Blaney cut in.

McGraw was surprised.

"You said it. What's happened?"

"That's what I want to know," Blaney's voice came back. "We've sent twelve cabs from five districts up there, and none of them have come back."

"Tieup," suggested McGraw. "Maybe there's a fire out there."

"If there is, one of those gas pushers should have reported it," said Blaney. "That's the funny part. Not a bozo has rung in."

He banged up the telephone. McGraw scowled. It was certainly queer. Twelve cabs from five districts. That was a big hole, and during the rush hour, too. He glanced over his dope sheets. The calls for his four cabs had come from numbers around Washington Square—fine homes, good trade, fast loads. He could always bank on a cab cleaning up within a half an hour because most of the loads were tripper stuff. Blamed funny!

He went out to a cab stand in front of the Menlo Hotel. Weeks, who drove No. 37, came over.

"Joe gonna relieve me?" he asked. McGraw shrugged.

"If he ever gets in from Asia—or wherever he went." The extension chimes in the taxi box called him and he answered. It was a man. McGraw jotted down the number. Then he motioned to Weeks.

"Listen," he said, "here's a tripper at 556 Forty-ninth." He handed Weeks a slip. "Watch your step. Give me a flip from an owl station if you're hung up. Savey? I've sent four cabs up there and they've stayed out. Just dropped out of sight. See? Blaney tells me there's twelve out—from five districts. There's something funny going on. Don't freeze in your seat. I want to know what's what."

Weeks squinted at him. He was a hard-boiled ex-service man and could take care of himself.

"I'll give you a flash," he said.

McGraw watched his tail light flick away in the dusk. Out at 6:31 p. m., he nodded to himself shortly. Good man—Weeks. He'd hear from him.

He went back into the little office. The clock moved along. It was 6:40 presently. Weeks out to be at 556 right now. He'd hear shortly. Weeks was a fast man. He was a wizard at nosing through traffic. Give him about eight minutes more. Six-forty-five! Blaney rang in again.

"Say, four more cabs have gone out—and stayed," he said. "This is getting phoney. How about yours?"

"No. 37 is out," said McGraw. "Weeks—the best man I've got. I wised him up and told him to flag me. He hasn't. That's all I know. The others are still out."

"Give me your call addresses," said Blaney suddenly. "I'm going to get action."

McGraw read the names and numbers that had been given him over the telephone. Blaney copied them down. Then he began calling information at the telephone office. A few minutes later he called half a dozen numbers. After that he rang Morrison, the head of the company—at his house. He talked rapidly. Morrison swore.

"It can't be," he said. "You're all crazy. Cabs don't vanish that way."

"It can't be, but it is," said Blaney dispassionately. "Come down and see for yourself."

Morrison thought a minute.

"All right," he said. "I'll be right down."

He jumped into his road-wagon with the stars on the door that every driver in the city knew a block away, and slid past the green traffic lights like a wraith. He found Blaney tapping the desk with a pencil and his trip sheets laid out like a deck of cards. Morrison studied the sheets while Blaney talked. After that he himself talked to several of the district dispatchers. He sat back

and chewed an unlighted cigar for a bit. Then he called police headquarters and asked for Captain Lomax, in charge of the night detective bureau. Lomax listened while Morrison talked.

"All right," said Lomax when the other had finished. "I'll have the boys look around. That's a new one, though."

The next half hour deepened the mystery. Six sun-bathers disappeared. They were the curb huggers that waited for sidewalk business. One moment they were there and the next they had vanished completely. Ten districts reported two more of their tripper cabs gone. Blaney added them all up—twenty-four cabs missing! Morrison was growing apoplectic.

"I'm going to find out about this myself," he snapped. He jumped into his car and was gone.

Ten minutes after he left Blaney got a call. A gruff, masculine voice addressed him.

"You tell Morrison to keep his nose out of this or he'll drop out of sight, too," said the voice.

"Out of what?" parried Blaney.

"Don't try to kid me," said the voice. "Morrison's up here on Forty-ninth—sleuthing. You keep him out of here, that's all."

There was menace in the crash of the receiver as it was banged up. Blaney called police headquarters and had another talk with Lomax. The detective head whistled softly.

"I'll turn the works loose," he said. "This is the real thing."

Morrison drifted back after a bit. He had found nothing, but Blaney's message startled him. The two men stared at each other. What was the mysterious agency that was lifting taxicabs out of the night runs and leaving no trace—that dared threaten Morrison with all his backing? The two men went back to the telephone. The district dispatchers could tell them nothing. Two more cabs from District 9 were out now.

At 8:40 McGraw at the Menlo reported the shotgun squad past there, with their green lights out, sliding through the night on some errand of a secret nature. Morrison had Blaney call all the dispatchers and hold up cab movements. They booked the calls, told the customers the cabs were out, and waited. Morrison was resolved to lose no more equipment—whatever the cause. Weeks had not reported. That worried Blaney.

Police headquarters was a scene of activity. Lomax had told the truth when he said he would "turn the works loose." He had. The homicide squad and three shot-gun squads, the most deadly aggregation in the

city, were out cruising, up this street and down that, combing the whole metropolitan area with an almost incredible swiftness, keeping in touch with headquarters by their portable radio transmitters.

The "trap car" was out, too. This was a juggernaut. It looked like a taxicab. But the driver was a policeman in a taxi uniform, and a dead shot. He rode behind bullet-proof glass, and the cab was made of steel. In the back, out of sight, rode two detectives with shotguns buttoned under their coats—weapons of the sawed-off variety. There were gas bombs in the car pockets and a machine gun swiveled for instant use. Otherwise it resembled an ordinary cab.

At Forty-ninth Street and East Tenth a man on the curb flagged the cab to the curb.

"Empty?" he asked.

"Sure," said the driver. The detectives flattened back in the dark. The driver jumped down to open the door. The man on the curb thrust an automatic pistol in his ribs.

"All right, buddy," he said. "Back on the seat and go where I say. No monkey business."

The driver slid back into his seat, the man beside him. The driver leaned down as if to throw his gears, and a police blackjack cracked on the man's skull. The driver straightened suddenly, his hands locked around the other's ankles and the man flipped over the seat into the arms of the two detectives, who handcuffed him and sat him between them. It was done in a fraction of a second, with the cab gradually rolling.

"Roll out East Tenth and we'll talk to this baby," said one of the detectives.

The man came out of his temporary coma, to find himself in the trap car with the curtains down and the lights on. The detectives talked to and with him. After a bit he talked—holding his aching head between his hands. While he talked the detectives listened.

"All right, Jake," said one of them. "You take us down, and turn us over. See? And you play ball. It's your only chance."

Jake Lawson, two-termer, and unfortunate handy man for a clever gang leader, shivered at the words. He knew what they meant. The cab drove to a corner drug store and one of the detectives got out and talked to headquarters. He came back presently.

"All right, Jake," he said. "Lomax knows what's what now. You doublecross us, and he'll ship you back to Detroit. Savvey?"

Again Jake shivered. Again he knew

(Continued on Page 30)

Majestic

ELECTRIC RADIO

One Solid Trainload Arrived in the Bay Region Last Week

So great is the demand for MAJESTIC that a solid trainload of receivers was rushed to the San Francisco Bay region in order to take care of the avalanche of orders that have descended upon the dealers since the new 1929 models of MAJESTIC were announced recently.

To understand the popularity of MAJESTIC you must SEE and HEAR this sensational radio yourself.

Compare it with any other receiver at any price and you will recognize MAJESTIC as the greatest value ever offered in the history of radio.

*TUNE IN MAJESTIC THEATRE OF THE AIR
Over Columbia Broadcasting System—Station KYA,
San Francisco—every Sunday night 6 to 7, Pacific
Standard Time. Headliners of Stage and Screen.*

Quality You Can Actually Feel



MODEL 72

\$179.50

Less Tubes

BEAUTIFUL Louis XVI walnut cabinet with doors of diamond matched oriental walnut having genuine inlaid marquetry border. Instrument panel also of diamond matched oriental walnut framed with butt walnut and bird's-eye maple panel. Seven tubes completely shielded, using R.F.L. balanced circuit.

Equipped with MAJESTIC Super-Dynamic speaker—the last word in faithful reproduction and tone quality.

Wholesale Distributors

Frederick H. Thompson Co. Holmes & Crane

1131 Mission Street, San Francisco

291 Fourth Street, Oakland, Calif.

Kimball-Upson Company

607 K Street, Sacramento

The RADIO TATTLEER



By EARLE ENNIS

THERE is arising a new sun on the horizon of our misery—the theme song which, within its gizzard, contains the advertising germ of something for sale. “Pale moons” are now passe. “Love” is just an old-fashioned word that rhymes with dove. “Silvery light” is out of the running. Today’s song must sell us something. That’s how dumb we are!

* * *

There is the snappy little melody which sells us the tooth paste. “Wherever you go, my hope you’ll not barter, for Jones’ Dental Paste will keep off the tartar!” There is the vacuum cleaner song: “The floors I’ll sweep for thee, dear heart, are like a string of jewels.” And the auto ad song: “Her red lips touch no cigarette, her breath exhales no toddy—she’s Fif of the magic isles and she has a Fisher body.”

* * *

Now that is something like. We have felt for a long time that a lot of billboard space was being wasted by popular songs. Why should an advertiser spend money for a period on the air, and then have all his music concern trees, romance, love, birds, stars, moonlight and other commodities either manufactured or controlled by rivals? Perish the commercial paradox. If one buys music, then let the music carry the spirit of the product. In other words, why rhyme “neat” with “feet” when “Shredded Wheat” is just as good, and besides sells goods?

* * *

The American business man has overlooked a bet in this, which he is now beginning to appreciate. The doxology comes in for its share of revision, so: “Praise Ford from whom all good trucks flow.” The so-called national anthem, which we are trying to supercede with a real one, now starts thus: “O say can you see how this corset fits me?” For half a century, or less, our anthem has made not a penny for anyone. Now, revised, it raises the form-fitting average of the country and broadcasts a standard flapper figure.

* * *

Other melodies which have had no commercial value to advertisers are being revamped as the idea grows. “’Twas the last hose of summer, filled with hard seams and runs.” The well-known Spanish classic: “Mosquito, Mosquito, so buzzy and flecto,

a Flit-gun so neat keeps you out of the home.” The Scotch ballad: “In the gloamin’ O my darling, we can ride on Ethyl gas.” The pathetic classic of the ’80s: “Way down upon the Catskill river, an Arrow shirt from any giver.” And the well-known “Maxwell House coffee’s bonny.”

* * *

These are a few sterling examples of what is being done to adapt music to modern needs. The idea is to win good will for the product by putting a deft, clever touch—not too blatant, mind you—into the words which will accent the fact that Smith & Company are putting on the program. Thus we find ourselves unconsciously humming: “We are always blowing bubbles with Maginty’s shaving lather.” This stamps the thing on our minds. Every time we feel like blowing a bubble we have the impulse to dash up to a drug clerk and say brightly, “Maginty’s, please. I heard it over the radio!”

* * *

These are the new commercial “lief motifs” of the ether—the newlyweds of harmony and idea, which bring in the merry dollars for the advertisers. Without them we would have only the full-page ads in the magazines, and the billboards, the street cars, the theatre programs and the newspapers, and thus we might miss them altogether. Think of the thousands who might have coughed through life, had not two gentlemen with spade whiskers combined to reduce the noise at operas. Yet even then we might have still coughed but for daily reminders.

* * *

Songs really contain a lot of nonsense—the old songs. For instance, there are the old standbys which have gray-haired mothers in cottages, waiting for returning sons. Acres of them! In Kilarney, Canada, Iceland, on the Tennessee, up in Maine, and even the West. It is well known mothers do not do that any more. It is the sons who stay home and wait for their mothers who are out playing bridge or building statutes in the state capital. Why not revamp these mothers, and sell something with them?

* * *

The regiments of girls who pined away might just as well be selling garters or face cream for some live-wire concern as laying

(Continued on Page 74)

The SPARTON EQUASONNE



The New
SPARTON
Console
Model 930

\$199.50

COMPLETE WITH
8 TUBES
AND RECTIFIER TUBE

Other Models
\$152.50 to \$925

TONE FIDELITY!

Even the full, round reverberations of the bass drum are caught by the amazing Sparton *EQUASONNE*, instead of the flat "rap-rap" so commonly heard. You feel as well as hear the stirring musical effects in "Radio's Richest Voice." The new, modern radio circuit that has astonished the world with its tone truth is now available in a wide range of models and prices.

SYSTEM RADIO SHOP

"Years of Exclusive Radio"

2062 Broadway, Oakland

Phone GLencourt 7225

Wholesale Distributors

W. E. & W. H. JACKSON, Inc.

2511 Broadway, Oakland

255-261 Ninth Street, San Francisco

The OPEN CIRCUIT

This department will be devoted to a general exchange of ideas. Letters of constructive criticism or suggestions will be printed. Broadcast Weekly assumes no responsibility for letters printed in these columns.

Oakland, Calif., March 17, 1929.

Gentlemen:

Having been a follower of your publication ever since its first issue, I feel as more or less one of the family. I want to compliment you on your wonderful booklet, which is a great help to your many friends.

I wish to express a little bit of personal sentiment in this letter, and being a radio fan I believe there are many others who feel the same way as I do. In fact a friend of mine called my attention to the subject of which I am writing you now.

It is evident that you spend a lot of time and print discussing National Broadcasting Company stuff, as well as the Columbia and the ABC network, and you talk every week about some people who I know are not the most popular radio artists. Due to their fortunate connections with large stations they have their names flaunted before the public in a most boresome manner.

There are a couple of boys who please thousands of people who play over KFWM in Oakland every Tuesday morning between 11 and 12, and I believe they have a great many of the so-called highlights backed off the map. They are Scharlin and Wright, the Joymakers, as they call themselves, and I must say that I would rather listen to their program of fun than all the expensive networks that money can buy.

Another outstanding piece of radio work is the Treasure Hour and the Opera Hour over the same station every Tuesday, Thursday and Saturday, with Paul Paddon Rawlston and Francis Wright. Those two men certainly are doing a good work when they appeal to the poor sick people and play such beautiful music for them. A lady had a new baby the other day and I'll tell you those boys brought tears to my eyes the nice way they greeted that new baby.

Will you please tell me why you talk so much about some of the big swelled-up artists who have nothing on the ball and turn a deaf ear on good enjoyable programs? Please don't misunderstand me, but take this as a suggestion to help make your wonderful little booklet of interest to everyone and not have it appear as a publication with the pur-

pose of advertising those who have the cash to spend.

Yours respectfully,
DORA MAE ESTY.

Ellensburg, Wash., March 12, 1929.

Broadcast Weekly:

Dear Sirs—Well, I have kept still as long as I can after hearing the criticisms that are published in the "Weekly" about the "stations," the "announcers" and the "programs." Those people who eternally criticise all of these should have lived in the "ox team" age, and perhaps they would appreciate the efforts that are put forth for our pleasure.

I think all of these are simply wonderful, and I do not think they deserve the severe criticism they receive.

It does not seem as though I could possibly get along without the radio again, and I am sure that these people who comment so on their reception do not realize what they are talking about.

As far as the jazz is concerned there are hundreds of stations, and you do not have to listen to it if you do not want to, and so far as I can see there is very little jazz until after 10 p. m., and that is the time that all of those kind of people should be in bed.

Some one remarked about wanting classical music. Well, I have over 200 listed stations, and there is never a time you cannot get that kind of music at some of those, and nearly all of the NBC broadcasting is of the very highest type of classical music.

And about the shoe polish man, evidently he wears "patent leathers" and does not require shoe polish. These people do not realize that we could not have this entertainment if it was not for the advertising. So I will quit, as I have "aired" myself and feel better.

But we can never begin to appreciate this wonderful invention, and I surely feel very grateful to think I am living in an age that gives me such privileges.

I do so enjoy the "Weekly," also the pictures, as I enjoy looking at the person who is performing before the microphone.

Very respectfully,
MRS. E. J. B.

WHY BOTHER WITH
AN OLD OBSOLETE
BATTERY OPERATED
SET?

TRADE IT IN
ON A **NEW**

KOLSTER

YOU WILL BE
ALLOWED AS
MUCH AS **\$100**

SEE YOUR DEALER

Wright De Coster Dynamic

"Ask Any Radio Engineer"

**Positively
Unparalleled
Features**

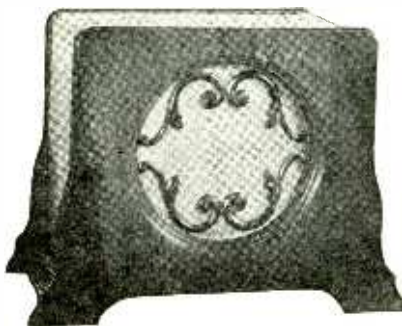
15½ lbs. of Steel
in Field

2700 Ampere
Turns

110,000 lines to
the square inch
in air gap

Eight Inch
Cone

Handles 6-250
Push Pull

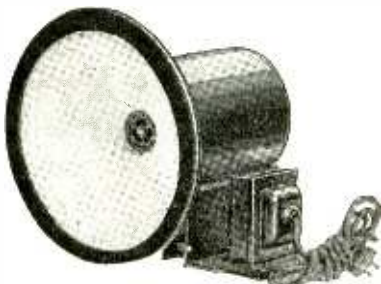


Type "B" in
Cabinet A.C.

List \$94.75

Type "B" in
Cabinet 6 V—D.C.

List \$81.75



Chassis only—A.C.

List \$72.50

Chassis only
6 V—D.C.

List \$59.50

We Sell **WHOLESALE** to—

"Radio Set Builders," "Radio Experimenters" and Radio Dealers"

Northern California's Exclusive
WHOLESALE



"The House of a Million Radio Parts"

Now on
Demonstration
at:—

1452 Market Street, near Van Ness Ave., San Francisco, Calif.
OPEN EVERY DAY IN THE YEAR UNTIL 10 P. M.

Wright De Coster Dynamic

"Ask Any Radio Engineer"

Some
More
Features

Wider Tone
Range

Greater
Sensitivity

More
Volume

Super Jell-O
Suspended Cone

Heaviest
Dynamic Made



Type "C"
Pedestal Model
A.C.

List \$107.75

6 V—D.C.

List \$94.75

"Lend Us Your Ears"

We will prove to you with a Victor Test Record that you (even if you are an authority on the best of music), have never heard a real dynamic, barring none, until you have heard the Wright De Coster.

We are open every day of the year until 10 P. M. Demonstrations gladly given. Don't forget to bring a musical critic with you.





SHRAPNEL



By "J. K."

APITTSBURG plate mill was opened the other day with elaborate ceremonies which started when a Westinghouse robot known as "Televox" pressed a button and started the show. Heretofore the button pressing has been done exclusively by Presidents. The episode goes to show that a good mechanical man can do the work of a President—if he is given a chance.

* * *

News dispatches from Hollywood bring us word that Leonard Stevens, author of the song "I Faw Down and Go Boom," which infests radio lanes, was recovering after being struck by a hit-runner. There should be a target range for hit-runners where they could improve their marksmanship.

* * *

Mussolini has prohibited public subscriptions for 1929. We need the Duce over here—to prohibit advertising over the radio. Our prohibition prohibits in the wrong place, and not effectively.

* * *

London's latest is a frock which has a scent woven into the fabric, designed to match the wearer. Radio announcers will shortly be faced with this: 'Miss Eva Jones, the eminent and determined soprano, who wears the violet-scented undershirt, will sing 'I am a Flower Fair.''

* * *

The Department of Commerce reports that radio sets dropped in average price from \$231 to \$158 in 1928. That must have been right after we bought our set.

* * *

Radio shows scheduled for this year in Chicago and New York are to provide radio set owners with a liberal education in modern manufacturing methods. One may visit them and see what it is that is hidden under the copper cans, and why. Now if someone will only saw a Frigidaire in half . . .

* * *

A gentleman in Irvington, N. J., has developed a remote control for his radio set. He can lie in bed upstairs, push a button and bring in almost anything he wants. Now if we only had a swap box that would trade a bum singer for a good band or an interesting lecture, radio would be absolutely perfect.

* * *

The National Broadcast official who recently announced that only one per cent of

the time is taken up with commercial announcements on programs was operating under what is technically known as a mental delusion. A couple more statements like this and we'll begin to believe that the programs are really free. In this most embarrassing dilemma we—light a Murad!

* * *

A radio magazine, just off the press, goes out of its way to broadcast the fact that Walter Damrosch, eminent musical director, believes that some day perpetual motion may be attained. There are also folks who believe the country can be made dry!

* * *

Uncle Sam has refused to grant radio permits for point-to-point communication in competition to government cables between the United States and Alaska. Make the Esquimaus use the cables. Anybody that will live in a climate like that when the Los Angeles Chamber of Commerce is still functioning is not entitled to modern improvements.

* * *

WOR announces its seventh birthday. WHY?

* * *

Americans living in the Congo heard Hoover's inauguration by short wave from WGY. Congoleum rug makers ought to be able to use this on a network program. "Clean a congoleum with a Hoover!"

* * *

Radio manufacturers are considering using only one-step of audio amplification in sets next year. This means that more families will be able to live in apartment houses during 1930.

* * *

Another thing the set makers intend to do is to take the radio set off the table and put it on a cabinet of its own. What will we put the bowl of flowers on next year?

* * *

There is a possibility that the Federal Radio Commission will open several wave bands to television shortly. This will make a cross-eyed man a natural. He can telesquint on two bands at once.

* * *

Governmental authorities have been informed that our short wave concerts are being 'bootlegged' into The Netherlands. That's only fair. They've been sending us their gin for some time, via Canada.

The SPARTON EQUASONNE



The New Sparton Console
Model 930
with DYNAMIC Speaker

\$199.⁵⁰

COMPLETE WITH

8 TUBES

and a

RECTIFIER

Other Models

\$152.50 to \$925

F. C. SAXE

2335 Lake Shore Blvd., Oakland

Wholesale Distributors

W. E. & W. H. JACKSON, Inc.

2511 Broadway, Oakland

255-261 Ninth Street, San Francisco



A Peep Across the Music Firmament

THERE is a tendency, in the hunt for music which has not been "worked" to death to dig out early classics, folks songs and the like and give them intelligent presentation. One such presentation was given by the Cleveland Institute of Music, which offered a program of early French music, little known in this country. It was well received. The works of Rameau, Leclair Couperin, Lulli and others of their period were culled for selected offerings.

* * *

One of the few remaining direct pupils of Rubenstein, David Walton Perkins, died recently at Chicago. He was 84 and was president of the Chicago College of Music.

* * *

A new cantata, "Pilgrims of the Prairie," which commemorates some of the early American themes, both historical and musical is to dedicate a college auditorium at Lindsborg, Kan., on Good Friday. Gina Pinnera will give an Easter Sunday recital in the same place.

* * *

George Engles, director of the National Broadcasting and Concert Bureau, announces that hereafter Walter Damrosch will be exclusively booked by that organization, for both concert as well as radio performances. Damrosch intends to limit his work to radio and guest conducting. He is appearing on network chains for the General Electric Company on Saturday nights, and on Friday morning for the RCA educational series for school children.

* * *

Amelita Galli-Curci, just prior to leaving on her Oriental tour, presented the Little Theater Opera Company of New York with many of her costumes, notably costumes worn in "The Bat" and "The Merry Wives of Windsor." The costumes are to be worn in little theater productions scheduled for the year.

* * *

Efforts are to be made to secure Miss Lotta Van Buren, a world authority on old musical instruments, for network broadcasts some time during the year. Miss Van Buren has just completed a year of hard work in restoring a collection owned by Yale University. Of the thirty-nine instruments which she restored, some are very famous, one being a

harpischord owned by Napoleon. A Haydn piano is also among the collection. The plan is to place her on tour with some of her old instruments, many of which date back to Queen Elizabeth's time.

* * *

Nothing yet given over the air has elicited such wide-spread enthusiasm among music lovers as the broadcasts from the Curtis school at Philadelphia. We may not raise our babies according to the Ladies' Home Journal, but we can raise their appreciation of music by the Curtis broadcasts. Tibor de Machula, the 'cello wizard, particularly, is emblazoned in the radio hall of fame.

* * *

The Columbia network, following the lead of the NBC, has established an Artists' Bureau which will concern itself solely with the procuring of adequate talent and the selection of programs. The bureau is headed by the former announcer of WOR and constitutes an entire division of the Columbia system. It corresponds to the National Broadcasting and Concert Bureau of the rival network.

* * *

The slogan "The richest child is poor without music" won a \$1000 prize from the Music Industries Chamber of Commerce. The winner was Lewis Wilson of Hamilton, Mont.

* * *

A fund of \$50,000 has been raised for musical events at Princeton University. This is one indication of the new interest which is being taken in good music in academic circles.

* * *

When the Civic Opera Company of Chicago now on tour, returns to its home city it will have a brand new model opera house waiting for it. The structure will be finished and made ready during the company's tour.

* * *

The national competition to obtain a suitable national anthem for this country, which is being conducted by the National Anthem Committee with a \$3000 first prize and a \$1000 second prize, and ten prizes of \$100 will not close until May 1, it has been announced. The original closing date was February 1. Composers may write their own words and music or may collaborate with others who write the words. Ten best selections will be made—one being the winning selection.



ATWATER KENT RADIO

“Hitch your wagon to a star,” a wise man advised. . . . But there are stars and stars. . . . Astronomers, watching the sky, sometimes see stars which blaze up brightly, then disappear. . . . Right through the years goes Atwater Kent Radio, leaving a trail of profits with every dealer who is wise enough to hitch his wagon to a star that grows brighter and brighter.

ERNEST INGOLD, INC.

930 Van Ness Avenue

San Francisco

MICROPHONE GOSSIP



Charley White, who earned his way through dental college by working during his spare hours, giving people a "lift" up to the KPO studios, will no longer bestow his winning smile upon visitors to the studios. Long days of arduous study and weary hours of work have brought "Charley" to the accomplishment of his goal. He has wrested his degree as dental surgeon from the University of California, with high honors, and henceforth will be known as Dr. Charles Edward White.

* * *

Orrin H. Brown, popular KPO operator, has been on the air so long that he has decided to get up in the air. Yesterday he took his first lesson in flying at Mills Field. Ernst Voss, who is instructing him, predicts that the KPO technician, who during his spare time amuses himself with his hobby, radio, by operating his amateur short wave transmitter, W6HB, will develop into a very capable flyer. Station W6HB is of 250-watt strength and is operated by Brown and Carl Christensen, also an operator at KPO. It is located in San Francisco.

* * *

Frank A. Arnold, director of development of the National Broadcasting Company, was the first Eastern NBC executive ever to visit San Francisco. While at the studios here, he addressed the entire staff in entertaining fashion on broadcasting and the part played to insure its success by "those behind the scenes." Arnold also visited in Oakland, San Diego, Los Angeles, Portland, Spokane and Seattle.

* * *

Eddie Firestone, drummer at the NBC's San Francisco studios, says, "I'm right at home." Eddie formerly sold automobile tires. Now he drums for "The Voice of Firestone" broadcast on Monday night through the NBC system and his name is Firestone.

* * *

Realizing that all people listening to jazz music are not dancing, the Three Boys of KGO frequently play their numbers in ballad as well as dance time. This breaking of tempo lends more variety to their interpretations.

* * *

Pearl King Tanner of the KGO Players used the telephone to assure a little girl admirer that she really didn't end her life when she jumped into a seething volcano in a recent play put on at the General Electric station.

To little Virginia Allison of San Bernardino, Calif., goes the five-dollar prize for writing a suitable song for the opening of each Uncle Don program for children, it was announced by Don Hunt, director of the Big Brother period at KFI. The following was submitted by Virginia:

A cheery word, a friendly smile,
Can't fail to make life worth the while;
A friendly smile can't fail to make like worth
the while.

Joy is not ours unless we share
It with someone to ease their care,
Unless we share it with someone to ease
their care.

So let us try to ever be helpful—friendly,
Then you'll see
How blue the sky, the sunlight too
Will shine for you.

* * *

Cliff Howell—Carl, have you a match?
Carl Haverlin—No, Cliff, but I'll let you
use my lighter.

Cliff—I'm sorry, but I can't pick my teeth
with a lighter.

* * *

KFWB sends its second transcontinental program over the Columbia chain on Monday, April 1, 6:30 p. m., Pacific standard time. Monte Blue talked so long on the last one that Alice White and Jack Mulhall were unable to make their scheduled bow, but will do it this time. Conrad Nagel will act as announcer. Henry Halstead's aggravating recording dance orchestra and the Three Brox Sisters, of vaudeville and revue fame, are also to give till it hurts.

* * *

The system of microphone and loudspeaker control in the Don Lee studios of KFRC and KHJ has no counterpart any place else in the world. It was devised and installed by Harold G. Peery, chief engineer for the Don Lee broadcasting system, and has the advantages of extreme simplicity. Peery has provided a system of switching "mikes" that requires considerable thought upon the part of the announcer to make an error.

* * *

Mary Lewis Haines, KFRC's Domestic Science Editor, has been continuously on the air longer than any other domestic science expert in these regions. Mrs. Haines at one time played character parts in the movies and appeared in feature pictures with many of the big stars of the time.



Type M26 — Amplifier — a 1½ volt, four prong, UX base, 1.05 amp. A.C. tube for operation on alternating current through a step down transformer. Price \$2.00.

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Tubes**

EDDIE HOLDEN--KFRC

(*Frank Watanabe on the Jamboree*)

By MONROE R. UPTON

HELLO! Hello! Is this Frank Watanabe?"

"Herro!"

"Hello! I want Frank Watanabe!"

"Herro! This Frank Watanabe speak!"

"There's been a mistake, Mr. Watanabe, we paid you five dollars too much!"

"Oh, veri sorri—but hang up aready!"

Frank Watanabe's Occidental personality circulates amiably among his many friends under the cognomen of Eddie Holden. Following his birth in San Francisco in 1893 he was christened Edmund James Holden. In addition he is sometimes Joe, the earnest and confidant young Italian singer, Sandy McPherson from Glasgow, Iggolo Glue, the Eskimo walrus hunter, and Sir Percival Jeeves of London.

This stellar comedian of the KFRC Jamboree is best known, however, as Frank Watanabe, the wistful, well meaning, ingratiating, ever polite Japanese boy whose imperfect knowledge of America's language and manners causes so much trouble for himself and so much laughter for his radio audience. Although he is equally at home with Italian, Scotch, Cockney and German dialects, he is best in the Japanese. Perhaps the secret of his sympathetic portrayal of this rôle may be found in his personality. Like the Japanese, he is always gracious, polite, considerate and anxious to hear your side of the story. Never have we heard Eddie flat-footedly disagree with any one. Yes, he will say, that's right—and then he will go ahead and give his side of the case which may be, and quite often is, at complete variance with the other person's. Is this not a side of the Japanese character? It is also a side of Edmund James Holden's and has enabled him to create a character which continues to provide amusement for hundreds of thousands of radio fans.

Eddie's father was an actor who appeared on San Francisco stages in the days before the fire. Eddie, as a child, also saw the footlights, but his father died when he was ten, and from then on his upbringing was the usual American one, including grammar school, high school and even Sunday school, in connection with which we shall have

something interesting to say later. His ambitions have also taken him, at different times, to part-time university, business college, art school and navigation school.

Two predominating factors have largely determined the course of Eddie Holden's rather restless life. One has been the desire to find an occupation permitting an outlet for the creative and artistic urge within him.

The other has been the desire for conventional success. For a long time he was a window trimmer, and a good one. He was quick, efficient and, above all, original. But he wasn't satisfied—money, perhaps—and essayed to master salesmanship. He did, and sold, among other things, gas ranges and heaters and electrical refrigeration machines. Since 1924 he has been intermittently doing a little impromptu ad lib. broadcasting here and there, mostly with the amateur talent radio fun clubs which are now mostly a thing of the past. He appeared for a time with the old KFRC



EDDIE HOLDEN

Coo-Coo Club long before Don Lee bought the station. And now he may eventually land again for keeps, where he doubtless would have stayed had his father lived, in the show business, and in a branch of it his father never dreamed would ever exist, the radio.

As a testimonial to the convincing quality of his Japanese character he recently received a "mash" note from a Japanese maiden written in Japanese characters. "Imagine my embarrassment," says Eddie, "when I discovered I couldn't read it!"

Eddie enjoys best the company of men who like ideas, but he does not deliberately choose his casual friends, he takes them as they come and finds something to interest him in all of them. The women he likes best are also those with a tendency to think together with a sense of humor. The two go together. Like all men, he has only a very few close friends.

Possessing a rich sense of humor, Eddie gets most of his humorous material from observation. His imitations are subtle and perfect, though he finds that he must inject plenty of pure comedy, often nonsensical or slapstick, to get the laughs. He will often

(Continued on Page 74)

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Schedules of Distant Stations

All times shown are P. M. Pacific Standard Time

Call—Keys—City	Sun.	Mon.	Tues.	Wed.	Thurs.	Fri.	Sat.
CFAC 690 Calgary.....	6-9	8-9	6-8	6-7	6-9		
CFCA 840 Toronto.....		6-7	6-9	6-9		6-9	6-9
KDKA 980 Pittsburg.....	6-7	6-7:30	6-9	6-9	6-9	6-9	6-9
KDYL 1290 Salt Lake.....	5-11	5-11	5-11	5-11	5-11	5-11	5-11
KFAB 770 Lincoln, Neb.....		8-10		8-10		8-10	8-11
KMOX 1090 St. Louis.....	5-8	5-9	5-9	5-9	5-9	5-9	5-10
KOIL 1260 Council Bluffs.....	5-10	5-10	5-10	5-10	5-10	5-10	5-11
KSD 550 St. Louis.....	6-7	6-9	6-8	7-9	6-8	6-8	6-9
KTHS 800 Hot Springs.....	5-8	7-10	5-7	7-10	7-10	5-7	7-10
KWKH 850 Kennonwood.....	6-7	7-10	5-7	7-10	5-7	7-10	7-10
KYW 1020 Chicago.....	5-8	5-11	5-11	5-11	5-11	5-11	5-11
WAPI 1140 Birmingham.....	5-8	5-8	5-8	5-8	5-8	5-8	5-8
WBAP 800 Fort Worth, Tex.....	8-10	5-7	7-10	5-7	5-7	7-10	5-7
WBBM 770 Glenview, Ill.....	6:30-8	5-9	5-9	5-9	5-9	5-9	5-9
WBZ 990 Springfield.....	5-8	5-8:30	5-8:30	5-8:30	5-8:30	5-8:30	5-8:30
WCCO 810 Minneapolis.....	5-8	5-9	5-8	5-10	5-9	5-9	5-10
WDAF 610 Kansas City.....	7-8	5-11	5-11	5-11	5-11	5-11	5-11
WEAF 660 Bellmore, N. Y.....	5-9	5-9	5-9	5-9	5-9	5-9	5-9
WEEI 590 Boston, Mass.....	5-8	5-8	5-8	5-8	5-8	5-8	5-8
WENR 870 Chicago.....	6-12	9-12	7-12	7-12	9-12	9-12	10-12
WFAA 1040 Dallas.....	6-8	7-10		7-10	7-10	7-9	7-10
WFI 560 Philadelphia.....	7-8		6-8:30		6-8:30		6-8:30
WGN 720 Chicago, Ill.....	5-10	5-10	5-10	5-10	5-10	5-10	5-12
WGR 550 Buffalo, N. Y.....	6-8	5-10	5-9	5-9	5-10	5-8	5-8
WGY 790 Schenectady.....	6-8	6-9	6-9	6-9	6-9	6-8	6-9
WHAM 1150 Rochester.....	5-7	5-8	5-9	5-9	5-9	5-9	5-9
WHAS 820 Louisville, Ky.....	5-7	5-9	5-9	5-9	5-9	5-9	5-10
WHO 1000 Des Moines.....	6-7 8-9	6-7 8-9	6-7 8-9	6-7 8-9	6-7 8-9	6-7 8-9	6-7 8-9
WIP 610 Philadelphia.....	7-8	5-9		5-9		5-9	
WJR 750 Detroit, Mich.....	5-10	5-10	5-10	5-10	5-10	5-10	5-10
WJZ 760 Bound Brook, N. J.....	5-8	5-9	5-8	5-8	5-8	5-8	5-8
WLAC 1490 Nashville.....							
WLS 870 Crete, Ill.....	5-8	5-8	5-8	5-8	5-8	5-8	5-8
WLW 700 Cincinnati.....	5-9	5-10:30	5-10	5-10:30	5-10:30	5-10	5-10
WMAQ 670 Chicago, Ill.....	7-8	5-12	5-12	5-12	5-12	5-12	5-12
WMCA 550 New York City.....	5-11	5-11	5-10	5-11	5-11	5-11	5-12
WOAI 1190 San Antonio.....	6-7	6:30-8	6-8:30	6-8	5-7:30	5-7:30	6-8
WOC 1000 Davenport.....	7-8	7-8 9-10	7-8 9-10	7-8 9-10	7-8 9-10	7-8 9-10	7-8 9-10
WOR 710 Kearny, N. J.....	5-9	5-9	5-9	5-9	5-9	5-9	5-9
WOW 590 Omaha, Nebr.....	5-8	5-9	5-8	5-9	5-9	5-9	5-9
WRR 1280 Dallas, Texas.....	6-8:30	6:30-10:30	6-5	5-7:30	5-8	5-7:30	5-8:30
WSB 740 Atlanta, Ga.....	5-9	5-9	5-9	5-9	5-9	5-9	5-9
WSM 650 Nashville, Tenn.....	6-8	6-9	6-9	6-9	6-9	6-9	6-9
WTAM 1070 Cleveland.....	5-9	5-9	5-9	5-9	5-9	5-9	5-9
WFLA-WSUN 900 Clearwater		6-9	6-9	6-9	6-9	6-9	6-9
WTIC 600 Hartford, Conn.....	5-6	5-8	5-8	5-8	5-8	5-8	5-8

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“SCIENTIFICS”



By MAX BEHR

A NEW type of radio instrument was described in detail recently before a meeting of the Institute of Radio Engineers at New York which has been designed to meet present-day radio conditions. The instrument is a super-heterodyne and is so constructed that it automatically takes care of variations in signal strength. In other words, the device is supposed to maintain a receiver at a constant volume, no matter how loud or faint the station. Once adjusted, the instrument keeps a constant level of reception. The set is designed to obviate the necessity of constantly turning a receiver up and down when receiving from distant stations.

A three-way study of long-wave phenomena is being made by the Bureau of Standards at Washington, Duke University, Durham, N. C., and Dr. Greenleaf W. Pickard, inventor of the crystal detector, at Newton Center, Mass. Special apparatus installed at Duke University is made to tune itself without the aid of an operator. It will operate day and night and will tune in various stations and keep a record of the signal strength of each. Similar research is being conducted at Washington and Newton Center. By these triangular observations the bureau expects to gain much valuable data on the vagaries of long-wave signals.

Continued reports from the Byrd Antarctic expedition leads many people to ask what the expedition expects to accomplish. There is a general impression that Byrd simply sailed south to find the South Pole. This is the least of his objectives. Byrd intends to make aerial photographs of the entire South Polar region. He will attempt to ascertain the physical characteristics of the polar plateau and whether the Antarctic is one island, a series of islands, or open water. He will make valuable meteorological studies, collect fossils, rock outcroppings, conduct research work in magnetic and radio fields, make observations of the Aurora Australis, the southern sister of the Aurora Borealis, determine the thickness of the great ice barrier by means of depth soundings, and in general compile a mass of geodetic information which alone is worth the expense. Byrd's real work will begin about the latter part of this year. His main base

is located on the Bay of Whales, 400 miles from the main land mass on the sea edge of the Ross ice barrier.

In an effort to cut down the excessive cost of land wires in network broadcasts, a new system has been devised by which complete station broadcasts are made in record form and sent to the various stations of a chain, to be broadcast by them simultaneously at a certain time. The phonograph, thus, in a sense, becomes a rival of the land-line telephone wires and already plans are reported on foot by the American Telephone and Telegraph Company to purchase the major phonograph interests of the country.

The work of mapping the ocean floor which has been undertaken by the government and has been going on for years, is one of the most fascinating but tedious phases of scientific research. Using echoes, produced by under-water oscillators, depth bombs and radio apparatus, investigators have located two new mountain ranges under the Pacific—one a mile high off Ecuador and the other nearly two miles high near Easter Island. This latter range, it is believed, once linked Easter Island to the mainland and formed the pathway for the island's mysterious civilization.

Fire departments are now using a new form of fire extinguisher, one which contains carbon-dioxide gas which freezes the fire and makes combustion impossible. It differs from ordinary chemicals in that it blankets fire for some distance from the spot where it is sprayed. The “snow” evaporates in a few minutes and leaves fabrics unstained. It is invaluable in fighting fires where clothing and fabrics are endangered and where chemicals or water would cause untold loss.

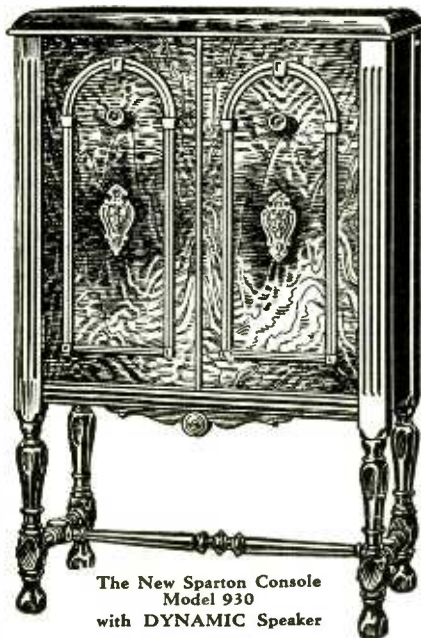
New York is to have its first glass house. A prominent architect plans to construct an apartment of opaque glass, reinforced with steel, which will be tried out as a construction experiment. Special lighting effects, said to be very beautiful, have been planned for night illumination. The new idea may change construction in cities. The glass is said to be cheaper than ordinary machine or pressed brick and can be worked into astonishing effects.

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8 TUBES
AND A RECTIFIER

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TOPICS OF THE TRADE



J. C. Broili, Secretary and Manager of the Nevada Machinery and Electric Company, electrical dealers of Reno, Nevada, spent several days in San Francisco recently. Mr. Broili's company is distributor for Zenith and Crosley Radio Receivers. While in San Francisco, Mr. Broili visited the office of the Pacific Radio Trade Association in order to secure information regarding the Radio Interference Investigation, as the dealers of Reno are planning on instigating a similar investigation.

Paul Staake, Director of Advertising and publicity for the De Forest Radio Company, manufacturers of the well-known line of De Forest radio tubes, recently spent a few days in San Francisco. Mr. Staake advises that the De Forest Company has plans for a very aggressive sales campaign.

Otto May, President of the California Victor Distributing Company, distributor of the Victor Radio Receivers, has just departed on an extended trip to the Victor factories and points of interest.

I. Epstein, Pacific Coast Manager of the Charles Freshman Company, manufacturers of the Freshman Receiver, just returned to San Francisco after a visit to the factory.

H. R. Curtiss, of the H. P. Curtiss Company, radio distributors of Northern and Central California, just returned from an extended visit throughout the East. Mr. Curtiss states that he will soon make an interesting announcement regarding the receiver they will distribute this season.

H. J. Zeusler, Pacific Coast Manager for the Edison Distributing Company, distributors of the Edison Radio Receiver, recently departed for the factory to attend a sales conference, at which time an aggressive campaign will be unfolded.

C. E. Saunders, of Radio Service fame from Mountain View, visited several radio distributors in San Francisco during the past week.

Henry Wolf, Sales Manager of the Jensen Radio Manufacturing Company, Oakland, manufacturers of the celebrated Jensen Dynamic Speaker Superior, recently returned from a business trip to the southern metrop-

olis, Los Angeles. Henry informs us that the name Jensen is the pass word for radio in the South.

Leslie B. Joost, a Radio Interference Investigator, has been added to the staff of the Pacific Radio Trade Association in order to aid in clearing up the many complaints on file. Mr. Joost will devote most of his time in the East Bay territory. Those experiencing radio interference are advised to notify their radio dealer, who will arrange to have the investigator call, should the difficulty not be in the receiver.

The Pacific Radio Trade Association conducts a free employment bureau for radio salesmen and service men. Those seeking employment should call at the office, 284 New Chronicle Building, and register. Employers desiring men should call the office also.

A solid trainload of Majestic Electric Radio Receivers, valued at more than a half million dollars, arrived in San Francisco last week, in an effort to meet the tremendous public demand for the Majestic product. This is the largest single shipment of complete console radio receivers ever shipped by any manufacturer into northern and central California.

Similar shipments were recently made to Atlanta, Georgia, Seattle, Washington, and Los Angeles.

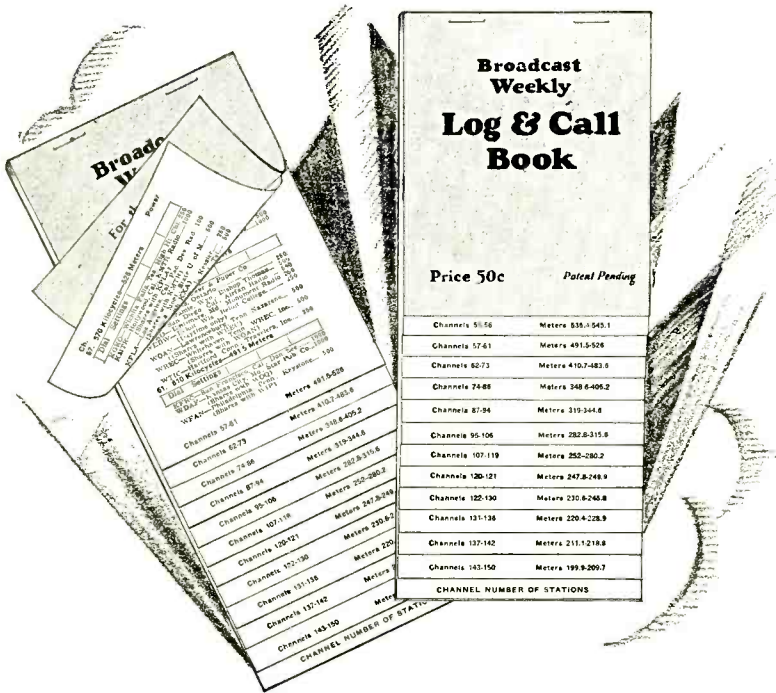
Although February net sales were the largest in the company's history, totalling approximately \$12,000,000 at retail prices, the Grigsby-Grunow Company is more oversold today than it has been at any previous time. It is expected that March sales will again set a new record.

Distributor orders at hand, totalling approximately \$120,000,000, have caused Grigsby-Grunow Company to erect additional factories and take over others. A new factory is now being erected at the Armitage Avenue plant, which will be capable of housing 3000 more employees, in addition to the 7000 already employed, and still another factory adjoining the Dickens Avenue plant is under erection, which will employ 1000 more.

Majestic will also announce in the near future Majestic radio tubes for the Majestic receiving sets. Plans are progressing rapidly and production is anticipated on Majestic tubes early in April.

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Channels 76-85	Meters 348.6-405.2
Channels 87-94	Meters 319-341.6
Channels 95-106	Meters 282.8-315.8
Channels 107-119	Meters 252-280.2
Channels 120-121	Meters 247.8-249.4
Channels 122-130	Meters 230.8-246.8
Channels 131-134	Meters 220.4-228.9
Channels 137-142	Meters 211.1-218.8
Channels 143-150	Meters 199.8-209.7
CHANNEL NUMBER OF STATIONS	

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Name.....

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THE VANISHING CABS

(Continued from Page 7)

what they meant. He was "wanted" badly in Detroit. His only chance of escape was to do what the police told him.

"I'll play," he said. "I dassent do anything else."

"How many drivers have you picked up tonight?"

"About 25."

"What's the gang doing with 'em?"

"They got 'em tied up in a tool house."

"Right," said one of the detectives. "Let's go."

Under Jake's direction, and with Jake, freed of his shackles sitting on the front seat, the trap cab turned down Sixty-first Street to the waterfront. There it veered to the left and went down the runway to the new tube which was being constructed under the river at that point.

"Good Lord," said one of the detectives. "You could drive a ferryboat in here and never find it."

The cab drove through a maze of construction timbers and concrete mixers until suddenly a long line of taxicabs showed ahead in the tube—parked, end to end, single file, along the unfinished bore. The two detectives crouched down on the floor of the cab, completely hidden by the shadows. The cab halted with its fender against a stalled cab of the Orange line—one of Morrison's missing cabs. Jake thrust his automatic into the driver's ribs—an automatic with the shells removed.

"Get out!" he said gruffly.

The driver obeyed, his hands in the air. He put out the lights of the cab and allowed Jake to lead him along the dark passageway lighted only by a flashlight in Jake's hands. Up ahead another flashlight flickered a signal which Jake answered, and they pressed on.

One of the two detectives left in the police cab slid open a compartment in the back of the front seat and took out a radio head set. He tapped a key. Instantly an answer came back. The key clicked almost noiselessly for a moment or two. The detective waited, his eyes on the radiolite dial of his watch. One minute, two, three . . . He tapped his companion on the knee, shut the radio compartment, and opened the door cautiously, slid out. A group of men came in behind them. Lomax spoke.

"All right, boys—here we are."

"This way, Captain."

The two detectives led the way. They stumbled down the bore, going by the row of cabs, feeling along. Now and then some-

one stumbled, but for the most part it was silent going. Presently they heard voices ahead and a light showed in the window of a construction house. They halted and one of the detectives reconnoitered. He came back presently, and reported, and they spread out and went forward a bit.

"Now," said Lomax.

A tear gas bomb crashed through the window of the construction house and exploded with a roar and a splintering of glass. One of the group fired a shotgun into the ceiling of the tunnel and the dirt showered down. The roar of the weapon was deafening. The police slipped on gas masks and waited, a circle of flashlights suddenly illuminating the door of the house.

The door burst open and a man framed there for an instant—blind, gasping.

"Stay put, Mort," called the captain. "This is Lomax and some of the boys. We've got everything plugged. You send 'em out as I call 'em!"

He began calling names. One by one, gasping, choking, weeping men came out—their hands in the air. The detectives sprang forward and shackled them. The last was Jake Jackson. One of the detectives led him aside.

"Get over there behind that concrete mixer," he said. "Stay there 'til we get out, and then roll out of this town and don't come back. That's all I can do for you."

Jake mumbled his thanks and was gone into the shadows. The drivers came out weeping, the police driver with them. Lomax took stock. Six prisoners—Mort Caine and his gang. The captain chuckled. He had been looking for this chance for a long time.

"This is a pretty good night's work," he said.

"Aw, go jump in the river!" retorted Mort, wiping his eyes.

The captain ordered that the drivers be taken up to the emergency hospital in a patrol wagon and given eye treatment.

"By that time the gas will be out of here and you can get your cabs out," he said. "I'll leave some of my boys to help you."

The prisoners were loaded in the police car and the strange cavalcade, headed by the police "trap cab," returned to headquarters.

It took Captain Lomax just three hours to get the facts. When he did he sent for Grimshaw of the Blue Line Cab Company, pulled him out of bed at midnight, and brought him down. Grimshaw came in debonair and confident. In ten minutes he was the color of plaster of Paris.

"My God, Lomax," he said, "I didn't tell

(Continued on Page 74)

The SPARTON EQUASONNE

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THE CONTRIBUTION BOX

By TERRY DAWES

(Today, we introduce The Contribution Box—a catch-all for what comes its way—a smile, a tear, a couplet or a quatrain, a word from high and low, a tithé of the inner things we feel and want to say to others, and write better than we say. We'll drop them here in this poor box in the parish of good cheer to do their work—where they will.)

AN EPITAH

Why has the undertaker
Bill Perkins eastward shipped?
He tried to fix his aerial,
Alas—the ladder slipped.

The first thing television collects is tele-
victims.

Lady—Have you any B eliminators?
Clerk—No, ma'am. But we carry ant
paste.

The radio fan had been brought into the
emergency hospital, victim of an automobile
accident. A nurse stuck a thermometer in
his mouth. He muttered something and she
leaned close.

"Put me on charge," he said. "I'm all run
down."

Erasmus K. Bibilhauser, president of Tele-
vision, Inc., speaking before the Associated
Knothole Workers of America at their na-
tional convention in Pawcumset, Iowa, this
week, declared it was all in what you looked
at. "A fly has a thousand eyes," said Mr.
Bibilhauser, "yet, did you ever see one wear-
ing glasses?" Th eminent television head
was quite disconcerted when a delegate arose
and shouted "Yes!" loud enough to be heard
by the Associated Press.

Policeman—Missed your car, eh?

Announcer—Naw, I didn't like its looks
and I was just chasing it out of the neigh-
borhood.

Miriam—We are pained you do not know
the meaning of the "Witching Hour." It is
not when the radio comes on, at all. It is
when a man's wife sits up in bed and says,
"Well, which lie is it now?"

The Sutter Street car conductor tapped
the portly lady on the arm and informed her
that her transfer had expired.

"I'm not surprised," she said. "I can't
breathe in here myself."

Travel brings things out of folks. "It does
at sea," says one of our contributors, a radio
operator.

A WISH

Oh, wad some power the giftie gie us
To find a set from cost to free us—
We'd gladly let them call us rubes
If we could save the price of tubes.

An eminent crime psychologist assures us
that a musical education will insure our
children against criminal impulses. "Teach
your boys," he says, "to pick a banjo and
he will never pick a safe." Heavens! Who
would deliberately ruin a boy to protect a
safe?

G. H. Taggart of Baltimore was found
asleep under his berth after a train wreck.
Claim agents suspect him of being a member
of a radio orchestra.

Doctor—Where do you want to be vacci-
nated?

Flapper—On my hand, where it won't at-
tract attention.

Orator—"My friends, you get out of life
just what you put into it . . ."

Voice—Hey, feller, did you ever own a
loud speaker?

Henry M—"Marry the girl. The battery
will run down some time and you won't have
to listen to jazz . . ."

Little Girl—I know how to stab and poi-
son people."

Mother—Good heavens! Where did you
learn that?

Little Girl—Oh, we've been studying opera
in school.

Officer—Say, an employee of yours just fell
out of the window with a radio set in his
arms.

Radio Man—Oh, that's all right. The set
wouldn't work anyway.

Doctor—How bad is your insomnia?

Patient—Well, I can't even sleep when
the radio is on.

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LOUDSPEAKERS

By JAMES LEVITT

IN line with the development of the radio set, the loudspeaker has shown remarkable progress, and as there is no part of a broadcasting system so important as the loudspeaker, it can be seen that this device has received considerable attention from the radio manufacturer. Each part of the chain of devices, starting with the transmitter in the broadcasting studio, and going through the radio receiver with its multiplicity of amplifiers, that conveys the sound of the artist to you, adds its quota of distortion to the original performance, and since the loudspeaker is the last link in this chain, it is natural to blame the loudspeaker for all the faults of the rest of the system.

In the early days we were accustomed to consider the loudspeaker as consisting of a driving unit, or actuating mechanism, whereby the greatly magnified electric currents from the radio set were transformed into sound, and a horn, which in turn amplified and spread out the sound from the driving unit. All of these devices had inherent defects, such as resonant points where even a weak input to the speaker would produce a loud sound, and none of them were capable of reproducing either the high or low end of the musical register, so that radio always had a characteristic sound, due both to the defects of the apparatus used and the loudspeaker itself.

In rapid stages, the development of the cone type speaker, with its disc of paper or other composition, was accomplished, and for the first time the higher musical notes could be heard, at the same time disclosing such defects in the receiver as overloading or poor audio transformer design, the former being accompanied by scratching and rattling noises for which the speaker was always blamed. The cone speaker was also much better at the low frequencies, and for the first time the bass notes of the orchestra or pipe organ could be heard, even though they were still weaker than the amount required for perfect reproduction. Following in the footsteps of the cone speaker, which used an electro-magnetic type of driving unit, there came the electro-dynamic cone, an adaptation of the original Magnavox principle used years before in horn type speakers.

The fact that practically every radio set or accessory manufacturer of prominence is building electro-dynamic models shows the trend of the radio industry, and the sets available this season are capable of tone

quality performance never before realized. All electro-dynamic models require what is known as a baffle-board, which prevents the sounds produced by the front and rear surfaces of the cone from interfering with each other. By cutting a hole in the board, large enough to clear the circumference of the cone, and mounting the speaker unit on the back of the board, the sound waves from the front and rear are kept apart, and the cone is able to function properly throughout the audio frequency scale. There is a certain limit, however, at the lower end of the scale, to which the speaker will respond efficiently with a given size of baffle-board, and to go down to the lowest register used in music, such as the low bass notes of the pipe organ, it would be necessary to have an enormous baffle-board, a thing not practical in radio set manufacture. However, the performance of this speaker in any of the modern console cabinets is such as to satisfy even the most critical of music lovers.

Parallel to the development of the electro-dynamic speaker has been the development of the exponential horn, such as is used in the Vitaphone and Movietone installations, and the stretched diaphragm speaker like the Airchrome. The former consists of a horn having a reflexed path so as to produce the effect of a horn many feet long, but yet confined within a small space. The Orthophonic Victrola is a typical example of this type of horn. The stretched diaphragm speaker is an innovation, consisting of a diaphragm of airplane cloth or other durable material, stretched tightly in a wooden frame several feet square, and actuated by an electro-magnetic driving unit placed at the center of the stretched cloth. The cloth is impregnated with a compound so as to make it rigid, and it responds to practically all the useful frequencies of the musical scale when used with a good driving unit.

New Log and Call Book

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How to Get the Most Out of Your Receiver

By JAMES LEVITT

ONE of the principal troubles with most sets is the inability of the user to properly tune it, and thereby obtain the selectivity and distance of which the set is capable. Most of this trouble is due to insufficient instruction by the dealer at the time the set is purchased, although with the advent of the single dial set this difficulty is greatly reduced. The trouble in tuning might be compared to the difficulty a novice at driving an automobile has with reference to the operation of the clutch pedal and the gasoline lever. The clutch can be compared to the dial, and the gasoline level to the volume control.

In the average set the tendency on the part of the user is to control volume by turning the tuning dial or dials and allowing the volume control to remain in a fixed position. In a tuned r.f. set this does not do so much harm, although it may result in poor selectivity and distortion if carried too far. In the case of a single dial set when tuning for a station, stop rotating the dial when the station is heard at a maximum, and regulate the volume by means of the volume control knob. If the set has two dials, adjust each dial until the maximum volume is obtained, and if this volume is too great, then back off the volume control knob until the volume is at the desired value. Do not reduce the volume by turning one or more of the dials slightly off the maximum setting for the station, for if the set is "detuned" in this manner, some other station operating on a nearby wavelength may cause interference with the station being received.

If the receiver is a superheterodyne, serious distortion will result if the oscillator dial is used as a volume control by the "detuning" process, and it is very important that this dial be set in the exact position of resonance when receiving and particular station.

When the receiver is first installed it will be necessary to log the dial with the local stations before hunting for distant ones. Using the data contained in the daily programs published in BROADCAST WEEKLY, pick out the various local stations and identify their wavelength or fre-

quency from the program data, and mark their settings either on the dial, if it has the logging feature, or on a convenient log sheet. After all the local stations are heard, then look up the wavelengths of the distant stations which you would like to hear, if they are within the range of the set, and by referring to the wavelengths of the local stations you can use the locals as "lighthouses" to indicate the approximate position of the distant stations. If some particular local station is giving bad interference, it can sometimes be eliminated by the installation of a wavetrapp in the antenna circuit. This trap can be purchased ready-made at practically any radio parts store, or it can be made at home by winding 100 turns of No. 24 or 26 cotton covered or enameled wire on a 2½-inch bakelite or cardboard tube, and connecting across the coil a .0005 mfd, variable condenser. Place this combination between the antenna and the antenna binding post on the set, and by tuning the condenser, adjust the trap until the interfering local station is eliminated on the wavelengths where the interference has proved annoying. Of course, this trap may impair the reception of that particular interfering station when the dials are tuned to it, but the trap can be cut out of the circuit when receiving that station by means of a switch to short circuit it. Usually, when a local station is giving bad interference, it is received so well that even with the trap in the circuit it can be heard with adequate volume if the volume control is turned up to a fairly high point.

Sometimes where poor selectivity is had the trouble can be traced to too long an antenna. The antenna may be shortened electrically without removing any of the wire from it by placing a series condenser between the antenna and the antenna connection in the set. A condenser of .0001 mfd. capacity, of the fixed mica type, will shorten a long antenna appreciably without greatly affecting its sensitivity, and thereby saves the labor of cutting down the antenna and perhaps weakening its mechanical strength. In large cities, where there are a number of

(Continued on Page 88)

The SPARKS-ENSEMBLE



Front View of Cabinet

Above: The SPARKS ENSEMBLE, encased in a beautiful walnut cabinet of French design.

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complete with tubes in your home.

Have your nearest Sparton dealer demonstrate this outstanding musical instrument to you.

The Outstanding Phono-Radio Combination of the Year

THE Sparks Ensemble embodies the utmost that present day research can offer in the re-creation of radio broadcasting and recorded music.

Absolute fidelity from 50 to 7000 cycles—from the deep notes of the long organ pipes to the delicate overtones in the flute-like notes of the coloratura soprano—are handled equally well and with a tremendous reserve of power to reproduce in their true proportion the instantaneous peaks and surges which are slurred over in reproducers of less energy.

The record reproducer utilizes a magnetic type of pick up with electrical audio amplification. The automatic changing device which provides for the successive reproduction of twelve selections without reloading, is unique in principle and design. It requires but nine seconds for the automatic change from one record to the next. This is about one-third the time required by similar devices now obtainable. Ten and twelve inch records of all types may be loaded on the spindle together and the device automatically adapts itself to the records as they come.

The Sparks Ensemble is further characterized as a leader in its field by the use of the now famous new Sparton Equasonne eight tube radio receiver which can of course be used independently.

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THE EDITOR'S PAGE

(Continued from Page 3)

The barrage of time signals from various stations, each of which guarantees its time by this and that chronometer to be correct, still continues. Hardly any two of them agree. The station announcers seem to have individual ideas about setting their master time pieces by calculation or guess work. They cannot be setting them by standard time signals or they would agree. There is a variation of from fifteen seconds to two minutes between the various "correct" times which are broadcast. The public is getting a laugh out of it and the disagreement is neither public service nor an ad for the time pieces. It is strange that the various stations do not recognize this fact. It would be better for one time station to broadcast all time and save this continued incompetency.

* * *

It seems hardly probable that private firms will be allowed to divide the wave channels with commercial companies. It would appear rather that the government will restrain all commercial radio activities save those of communication companies. It is a new problem in this country, for undoubtedly private concerns have rights on their side in a demand for private services. They have private wires. Why not private radio links? However, with limited wave bands available it would seem that commercial business will be forced into commercial channels at toll rates, and all other business of a private nature restricted to allocated channels.

* * *

The educational value of broadcasts which are being transmitted from New York each morning have the full value of a university extension course. Politics, political economy, finance, health, legislation, governmental talks, musical essays, historical sketches—it is a wide program which brings to listeners who have the time to hear them a wonderful opportunity. There is no excuse today for the average American not knowing what is transpiring in his own and other countries. There is too much information for that excuse to wash these days. The matter of civic responsibility is being delivered in the home, via the loud speaker, in soluble form. If we are not good citizens with this program, then we are not good citizens at heart.

BROADCAST WEEKLY devotes more space to station programs than any magazine or newspaper west of New York City.

How to Reach the Broadcasters by Telephone

	Day and Night Phones
NBC.....	Sutter 1920
KELW.....	Burbank 1601-02; Gr 3192
KEX.....	Atwater 3111-3112
KFBK.....	Main 8700
KFBL.....	Main 526
KFCR.....	Day, 6230; Night 3118-6230
KFEC.....	Br. 4411
KFI.....	Day, Westmore 0331; Night, 0337
KFJI.....	Day, 450-525; Night 450
KFJR.....	Broadway 2468
KFOX.....	67281
KFPY.....	Main 1216-17-18-19
KFQU.....	Los Gatos 458J
KFQW.....	EL 6675
KFQZ.....	West. 3001-02-03-04
KFRC.....	Prospect 0100
KFSD.....	Franklin 6353
KFSG.....	Fitz 5121
KFVD.....	Santa Monica 77115
KFWB.....	Glad. 9461-2; 2711
KFWC.....	Pomona 1147
KFWL.....	Market 1140-1141
KFWM.....	Glencourt 6774
KGA.....	Main 3434
KGB.....	Franklin 6151-6153
KGDM.....	794-795
KGEF.....	Westmore 8837
KGEN.....	1100
KGER.....	632-75
KGFH.....	Douglas 3326
KGFJ.....	Westmore 7777-7778
KGO.....	Fruitvale 5980
KGW.....	Atwater 2121
KGY.....	Olympia 1174J
KHJ.....	Tr. 8411
KHQ.....	Main 5383
KJBS.....	Graystone 3717
KJR.....	Day, Main 2495; Night, Main 2475
KKP.....	Ell. 1881
KLS.....	Lakeside 6223
KLX.....	Day, Lakeside 6000; Night, Lakeside 6015
KMED.....	Day, 305; Night, 305J-2
KMIC.....	Thorn. 1121; York 8545; Inglewood 1897
KMJ.....	Day, Fresno 3-5221; Night, 2-8817
KMO.....	Ma. 4144
KMTR.....	Ho. 3026
KNX.....	Hemp. 4101
KOAC.....	620
KOIN.....	Day, At. 4151; Night, 5262
KOI.....	Elliott 4466
KOMO.....	Elliott 5890
KPCB.....	Ma. 7997
KPLA.....	Trinity 3202
KPO.....	Kearny 0704
KPPC.....	Terrace 1163
KPQ.....	Day, El. 1433; Night, Sa. 7809
KPSN.....	Wakefield 3111
KQW.....	Col. 777
KRSC.....	Main 5494
KTAB.....	Garfield 4700
KTBI.....	Metropolitan 6701
KTBR.....	Beacon 7000; Lancaster 1700
KTM.....	Dunkirk 5154-5194
KUJ.....	352-J
KVI.....	Day, Main 1530; Night, 3960
KVL.....	Ell. 1881
KVOS.....	Day, 1627; Night, 1366-1627
KWG.....	580; 581
KWTC.....	1896
KXA.....	Elliott 1634
KXL.....	Beacon 0456; Broadway 8484
KXRO.....	Aberdeen 4098-4099
KYA.....	Prospect 3456

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ARCTURUS

BLUE ^{A-C} LONG-LIFE TUBES

RAYTHEON INTRODUCES NEW A.C. HEATER TUBE

A RADICALLY different heater type A.C. tube has just been introduced by the Raytheon Manufacturing Company of Cambridge, Mass., which promises to satisfy the most exacting demands in socket-power operation.

To begin with, the Ray-227 Raytheon has a novel form of heater. Instead of the usual insulator tubing, threaded with the heater wire, this tube makes use of a metal cylinder enclosing a centered helical heating wire supported at top and bottom by passing through holes in insulating corks. This construction possesses several distinct advantages. Long life is assured in the absence of frictional wear, chemical action and unequal heating between wire and surrounding insulator. The heating time is reduced to from 8 to 15 seconds, as against 15 to 45 seconds where a considerable mass of insulating material must be brought up to heat. The heater wire is uniformly heated in this case, as against the hot spots existing in the wire threaded in insulating tubing; and even though the wire is exposed in the center of the cathode cylinder, it cannot touch the surrounding metal because of positive positioning under tension. Hum has been reduced to an absolute minimum, while the "breathing" effect, or rise and fall of signal strength, is entirely eliminated.

In addition to the novel heater, the Ray-227 employs the novel Raytheon four-post stem characteristic of all Raytheon tubes. This comprises a cruciform glass press to carry four support wires which are tied together at the top with a mica spacer in the form of an "R". Hence, rigidly anchored and reinforced at top and bottom in all directions, the elements are permanently positioned in producing precisely matched tubes.

All Sparton cabinets are manufactured by the Sparks Withington Company, manufacturers of Sparton Radios. It is stated that Sparton builds a more complete set than any other radio manufacturer. Only the most modern woodworking machines are in operation in an up-to-date woodworking plant where several carloads of lumber are used daily in the manufacture of several thousand radio cabinets.

SILVER-MARSHALL ENTERS RECEIVER FIELD

Announcement is made of the entry of Silver-Marshall, Inc., into the field of RCA-licensed radio receiver manufacturers. This veteran radio manufacturer of Chicago has established an enviable reputation during the past four years as makers of parts and kits for custom set-builders, and of power units and complete amplifiers for the trade.

Models which will be shown by Silver-Marshall at the June R. M. A. Trade Show include console lowboys and highboys at approximately \$149 and \$189 list prices. These models, incorporating the same chassis, will utilize the new A. C. screen-grid and intermediate power tubes shortly to be placed upon the market. Silver-Marshall was the pioneer in developing transformers and other special apparatus required for D. C. screen-grid tubes when they first appeared on the market in December, 1927.

A new factory on the west side of Chicago, to be occupied within a few weeks, will provide over 100,000 square feet, or approximately four times the manufacturing space now utilized by Silver-Marshall in their present location on Jackson Boulevard.

According to McMurdo Silver, founder and President of Silver-Marshall, the new factory will be modern to the utmost detail, and will provide sufficient production capacity to take care of the contemplated production of screen-grid receivers on a rigid schedule, and to provide in addition ample facilities for the manufacturing of receivers of more conventional type, which will be supplied to other manufacturing and merchandising concerns under private brands.

The screen-grid model, which will be marketed by Silver-Marshall, has been under development for over a year and a half, and will be shown to the trade through exclusive distributors well in advance of the June show.

Scientists are having a lot of fun with various types of Frenkenstein monsters, the modern robots, or mechanical folks, which duplicate most human motions. They can now be made to walk, speak, start and stop machinery, sit, stand and carry on with numberless activities, all by spoken orders. The impact of voice waves on sensitive receivers actuates various forms of relays setting the robot into action in different ways. Efforts are being made to apply the robots to mechanical and industrial activities of various kinds.



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"MAN-MADE STATIC"

By TOBE DEUTSCHMANN

In the onward sweep of radio the entire industry has been fighting to keep its production keyed up to a point where the market could be satisfactorily taken care of. Time for the careful consideration of many accompanying problems has been lacking.

Radio can be likened to the automobile, only it is a method of transporting mental objects by sound in the form of music and words. Like the automobile industry, the production of cars for years required everyone's attention. The roads were pretty bad in the earliest days; in fact, have only been good in the last few years. Good roads followed the demand for them caused by a huge riding market.

Today we see radio sets in such numbers that the demand for better radio "roads" is starting to assume tremendous proportions. The ether is the radio road. The new allocations are the result of this demand for better radio "roads." But still there are millions of imperfections on these new roads which must be ironed out before smooth, satisfying radio transportation can be achieved. These imperfections may be entitled "interference" or "man-made static."

With five million receivers in operation the listening public, well over its first thrill of just hearing music, has suddenly realized that many undesired noises are spoiling reception. Practically all of these are caused by local electrical machinery, such as motors, vacuum cleaners, washing machines, refrigerators, oil burners, hair dryers, fans, sign flashers, and all other electrical apparatus.

It has been the privilege of the Tobe Deutschmann Company of Canton, Mass., to have foerseen the need of attacking this opponent of good radio reception and to have spent the last few years in preparing for this problem, at a time when no one thought it would amount to anything at all.

The result is that they are completely equipped to meet problems of radio interference with several perfected pieces of apparatus, known as "Filterettes," and an engineering staff capable of running down the causes and designing special apparatus for unusual situations.

No one who has not lived with this prob-

lem night and day for a while can appreciate the tremendous field of opportunity it offers. Every power and light company is eagerly seeking coöperation, as they want to seil electric current, and interfering machinery brings them constant complaints. Real estate operators cannot have satisfied tenants when the radio reception is spoiled by noises from oil burners, iceless refrigerators, ventilators and elevators.

As an important step in this new field of radio endeavor, the Tobe Deutschmann Company is starting a little paper, "The Filterette," dedicated to the annihilation of man-made static. It is planned as a help to every radio listener, retailer, real estate operator, service man, power company, and all others whom man-made static affects. They are offering a free advisory service on interference problems and will be glad to hear from any of our readers.

SPARTON RADIO IN OLD BAGDAD

"Mystic old Bagdad is finding twentieth century magic in the radio," says B. F. Baillet, export manager of the Sparks-Withington Company, of Jackson, Michigan, manufacturers of the Sparton Equasonne receiving sets.

"It takes a month for letters and periodicals to reach this renowned city of the desert by the usual route via Suez and Bombay, but with the radio, important news from England and, in fact, from any part of the world comes as quickly to Bagdad as to Boston. The British government maintains a powerful radio station on the outskirts of this former city of the caliphs and Oriental conspiracy.

"However, a number of the European residents own receiving sets and easily obtain programs broadcast from Germany, Holland, Austria, Italy, France and England. Most of the European residents of Bagdad are British, who are naturally interested in their homeland. The radio serves as a wonderful talisman, bringing them grand opera or jazz, accounts of boxing matches or cricket or soccer contests, parliamentary speeches or news bulletins.

"A number of the British residents have automobiles equipped with radio, thus enabling them to keep in touch with the world while traveling the 600 miles between Bagdad and Damascus."

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Wave Length-Kilocycle-Channel Conversion Table

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

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

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SUNDAY Programs · · · · · March 31, 1929



Orrin L. Padel
KFWM—9:45 a.m.



Dorothy Lewis
ABC—12:00 noon



Margaret O'Dea
NBC—2:00 p.m.



* Rev. Geo. W. Phillips
KTAB—7:30 p.m.

379.5 Meters
790 Kcys.

KGO

Channel 79
10,000 Watts

General Electric Co., Oakland, California

- 5:30 to 6:30 a.m.—Easter sunrise service from Volunteer Park, Seattle, Wash., NBC
11 a.m.—Calvary Presbyterian Church service, San Francisco; Rev. Ezra Allen Van Nuys, DD., pastor
2 to 3:30 p.m.—Sunday afternoon concert, NBC
3:30 to 4 p.m.—Whittall Anglo-Persians, NBC
4 to 5 p.m.—Vesper service, Grace Cathedral, San Francisco
5 to 5:45 p.m.—“What's Happening in the World,” John D. Barry
5:45 to 6:15 p.m.—Hudson Bay Fur Co. program featuring Henry Starr
6:15 to 7:15 p.m.—Atwater Kent program, NBC
7:15 to 7:45 p.m.—Studebaker Champions, NBC
7:45 to 8 p.m.—Enna Jettick Melodies, NBC
8 to 9 p.m.—Calvary Presbyterian Church service, San Francisco; Rev. Ezra Allen Van Nuys, DD., pastor
9 p.m.—Joseph Henry Jackson, “A Chat About New Books”

545.1 Meters
550 Kcys.

KTAB

Channel 55
500 Watts

Pickwick Broadcasting Co., Oakland, Calif.

- 9 to 10 a.m.—Recorded program
10 to 11 a.m.—Bible class, Prof. Lindsley
11 to 12:30 p.m.—Tenth Avenue Baptist Church services
12:30 to 1 p.m.—Organ recital
1 to 1:30 p.m.—Irving Krick, Octo Lindquist
1:30 to 2 p.m.—Studio program
2 to 3 p.m.—Happy Hour String Sextet
3 to 3:30 p.m.—Millicent Benioff in song recital
3:30 to 4:30 p.m.—Organ recital and instrumentalists
4:30 to 5:30 p.m.—Symphonic recordings
5:30 to 6 p.m.—Joan Ray, staff contralto
6 to 7:30 p.m.—Studio program
7:30 to 9:15 p.m.—Church services, Tenth Avenue Baptist Church
9:15 to 10:15 p.m.—Concert trio
10:15 to 11 p.m.—Dance music, Ben Swett's Cadets
11 to 1 a.m.—Night Owls

440.9 Meters
680 Kcys.

KPO

Channel 68
5000 Watts

Hale Bros. & The Chronicle, San Francisco

- 5:30 to 6:30 a.m.—Easter sunrise service from Volunteer Park, Seattle, NBC
9:45 to 10:45 a.m.—Interdenominational and non-sectarian church services, Dr. Walter John Sherman of Central Methodist Church
2 to 3:30 p.m.—Sunday afternoon concert, NBC
3:30 to 4 p.m.—Whittall Anglo Persians, NBC
4 to 4:30 p.m.—Great Moments in History, NBC
4:30 to 5 p.m.—Nathan Abas, violin recital
5 to 6:15 p.m.—Afternoon musicale by Uda Waldrop
6:15 to 7:15 p.m.—Atwater Kent program, NBC
7:15 to 7:45 p.m.—Studebaker program, NBC
7:45 to 8 p.m.—Enna Jettick Melodies, NBC
8 to 8:30 p.m.—Baldwin McGaw in Dickens characterizations
8:30 to 9 p.m.—Rudy Seiger and his Fairmont Hotel concert orchestra
9 to 10 p.m.—Abas string quartet with Irene Howell Nicolls, contralto

340.7 Meters
880 Kcys.

KLX

Channel 88
500 Watts

Tribune Publishing Co., Oakland, Calif.

- 5 to 6 p.m.—Charles T. Besserer, organ recital
285.5 Meters
1050 Kcys.
L. A. Evening Express, Los Angeles, Calif.
9 to 10 a.m.—Musical program
10 to 11 a.m.—Courtesy program
11 a.m. to 12 noon—First Presbyterian Church
12:30 to 1 p.m.—“Automobile Buyers' Guide”
1 to 2 p.m.—International Bible Students' Assoc.
2 to 4 p.m.—City Park Board musical program
4 to 5 p.m.—First Radio Church of the Air
5:30 to 6 p.m.—All Souls' Church
6 to 6:30 p.m.—Talk by Ernest Holmes
6:30 to 7 p.m.—Hollywood Humanist Society, Dr. Theo. Curtis Abel, director
7 to 8 p.m.—Famous personalities of the screen, Paramount orchestra, etc.
8 to 9 p.m.—First Presbyterian Church
9 to 10:30 p.m.—Calmon Luboviski, master violinist; Claire Mellonino, pianist; Walter V. Ferner, cellist

SUNDAY Programs

NBC

National Broadcasting Company

5:30 to 6:30 a.m.—Easter Sunrise Services from Volunteer Park, Seattle, Wash.

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

2 to 3:30 p.m.—Sunday afternoon concert

The artists appearing during this program will include Willard Schindler, guest baritone, who recently sang for NBC audiences after more than a year of study and public appearances in the East; Ursula Faucit, dramatic reader; a female quartet composed of Barbara Blanchard, Ethel Wakefield, Margaret O'Dea and Eva Gruninger Atkinson, singing gospel hymns, and the National Concert Orchestra under Max Dolin's direction.

Complete details follow:

Orchestra—Prelude—"Hansel and Gretel".....Humperdink

Orchestra—Serenade.....Rachmaninoff

Orchestra—Spanish Dance.....Sarasate

Baritone solo—Credo—"Othello".....Verdi

Orchestra—Polovetzian Dance—"Prince Igor".....Borodin

Orchestra—Minuet.....Korostchenko

Female quartet—Gospel hymns and songs

Baritone solos—

a. Guns.....Cadman

b. Rivets.....Kountz

c. The Sleigh.....Kountz

Orchestra—Spinning Song.....Mendelssohn

Orchestra—En Bateau.....Debussy

Orchestra—Polonaise Militaire.....Chopin

Female quartet—Gospel hymns and songs

Orchestra—Andante.....Tchaikowsky

Dramatic reading—"Saul," by Robert Browning with harp, tenor, female trio.

Broadcast through KHQ, KOMO, KGW (3 to 3:30 p.m.); KGO, KPO and KFI.

3:30 to 4 p.m.—Whittall Anglo-Persians

Winging their magic carpet flight over the world, the Whittall Anglo-Persians will celebrate the day with a program of Easter music as they broadcast through the coast-to-coast network of NBC System stations.

Complete details follow:

Orchestra—Call of the Desert

Orchestra—Unfold Ye Portals—"The Redemption".....Gounod

Orchestra—Calvary.....Rodney

Orchestra—Allelujah.....Humphreys

Orchestra—Holy City.....Adams

Orchestra—Open the Gates of the Temple.....Knapp

Orchestra—Hosanna.....Granier

Orchestra—Welcome, Happy Morning.....Calkin

Orchestra—Parting Melody

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

4 to 4:30 p.m.—Great Moments in History

How the celebrated Commodore Matthew Perry opened Japan's door to foreign countries seventy-five years ago today will be told during the "Great Moments in History" broadcast.

With the Oriental trade a tremendous factor in industry today, it is difficult to realize that seventy-five years ago four battleships and nine months of diplomatic strategy were required to open the doors of the island nation. The diplomatic tact of Commodore Perry was responsible. He secured a treaty with Japan permitting the entrance of foreign ships into her harbor for the first time in 200 years.

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

6:15 to 7:15 p.m.—Atwater Kent program Through a coast-to-coast network of NBC System stations the weekly Atwater Kent program will be broadcast tonight from 6:15 to 7:15 o'clock.

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

7:15 to 7:45 p.m.—Studebaker Champions Gene Goldkette and his Studebaker Champions will go on the air again tonight from 7:15 to 7:45 o'clock.

Details follow:

Champions.....Some Sweet Day

Champions with vocal chorus.....My Tonia

Champions.....If I Had You

Champions with vocal chorus.....What Wouldn't I Do

.....A Love Tale of Alsace-Lorraine

.....Say That You Love Me

.....Let's Sit and Talk About You

.....Futuristic Rhythm

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

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

With the robust melody of Coleridge-Taylor's "Viking Song" introducing the program, another fifteen-minute broadcast of "Enna Jettick Melodies" will be heard tonight.

"When the Bell in the Lighthouse Rings," for years one of the most favored bass songs, will be contributed by a soloist with ensemble accompaniment.

In observance of Easter, the mixed vocal quartet and ensemble will offer an anthem, "Christ the Lord Is Risen Today."

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

BEST BETS TODAY

Table with 3 columns: TIME, STATION, PROGRAM. The table is mostly empty, suggesting a list of programs to be broadcast.

SUNDAY Programs

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

Pacific Broadcasting Corp., San Francisco
9 to 10 a.m.—KYA Trio
10 to 11 a.m.—Examiner Funny Hour
11 to 12 noon—Artistic Ensemble, ABC
12 to 1:15 p.m.—Old St. Mary's Church, Paulist Fathers
1:15 to 1:30 p.m.—Vic Meyers, ABC
1:30 to 2 p.m.—Pamela sketch, ABC
2 to 3 p.m.—Military band, ABC
3 to 3:30 p.m.—Enchanters, ABC
3:30 to 4 p.m.—Salon orchestra, ABC
4 to 4:30 p.m.—Cathedral Hour, ABC
4:30 to 5 p.m.—Woodwinds, ABC, Seattle
5 to 5:30 p.m.—Billy and Mary
5:30 to 6 p.m.—Sonatron Tube program, CBS
6 to 7 p.m.—Majestic Theatre of the Air, CBS, featuring Arnold Johnson's orchestra
7 to 7:30 p.m.—DeForest program, featuring Mary Garden
7:30 to 8 p.m.—Berger program, with Frank Shaw and Less Poe
8 to 9 p.m.—Old St. Mary's Church
9 to 10 p.m.—American Salon Orchestra, ABC
10 to 11 p.m.—Show Boat Revue, ABC

325.9 Meters **KOMO** **Channel 92**
1020 Kcys. **1000 Watts**

Fisher's Blend Station, Seattle, Washington
5:30 to 6:30 a.m.—Easter sunrise service from Volunteer Park, Seattle
10 a.m.—International Bible Students Ass'n
11 a.m.—Fred Lynch, tenor; Margaret Gray, piano
11:15 a.m.—Plymouth Congregational Church
12:15 p.m.—Margaret Gray, readings; F. Lynch, tenor
12:30 p.m.—Y. M. C. A. musical program
1 p.m.—Stoneway Tabernacle
1:30 p.m.—Concert trio of violin, 'cello and harp
2 p.m.—Sunday concert, NBC
3:30 p.m.—Whittall Anglo-Persians, NBC
4 p.m.—Great Moments of History, NBC
4:30 p.m.—Orchestra; Rhena Marshall; Fred Lynch
6:15 p.m.—Atwater Kent Artists, NBC
7:15 p.m.—Studebaker Champions, NBC
7:45 p.m.—Enna Jettick Melodies, NBC
8 p.m.—First Church of Christ, Scientist
9 p.m.—Orchestra; Fred Lynch; Rhena Marshall
10 to 11 p.m.—Orchestra and Aurelio Sciacqua, tenor

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

The Morning Oregonian, Portland, Oregon
11 to 12:30 p.m.—Church service
3 to 3:30 p.m.—Sunday afternoon concert, NBC
3:30 to 4 p.m.—Whittall Anglo Persians, NBC
4 to 4:30 p.m.—Great Moments in History, NBC
4:30 to 5 p.m.—Jacobson Quartet
5 to 5:15 p.m.—Talk on modern science.
5:15 to 6:15 p.m.—Vesper hour
6:15 to 7:15 p.m.—Atwater Kent program, NBC
7:15 to 7:45 p.m.—Studebaker program, NBC
7:45 to 8 p.m.—Enna Jettick Melodies, NBC
8 to 8:30 p.m.—Musical Allegory
8:30 to 9:30 p.m.—Fireside hour
9:30 to 10 p.m.—Studio program
10 to 11 p.m.—Little Symphony Orchestra
11 to 11:15 p.m.—Oregonian news summary

ABC

American Broadcasting Company

10 to 11 a.m.—Melodies, KJR, KEX, KGA, KLZ, KDYL
11 to 12 noon—American Artistic Ensemble, soloists, KJR, KEX, KYA, KLZ, KDYL
12 to 12:30 p.m.—Song recital, Dorothy Lewis and Gordon Onstad, KJR, KEX, KLZ, KDYL
12:30 to 1:30 p.m.—Vic Meyers' Popular Recording Orchestra, KJR, KEX, KGA, KLZ, KDYL (KMTR from 1 p.m.)
1:30 to 2 p.m.—Pamela, humorous sketch, KJR, KGA, KEX, KYA, KMTR, KLZ, KDYL
2 to 3 p.m.—American Military Band; soloists, G. Donald Gray and Sydney Dixon, KJR, KGA, KEX, KYA, KMTR, KLZ, KDYL
3 to 3:30 p.m.—Enchanters' Male Quartet, KJR, KEX, KGA, KYA, KMTR, KLZ, KDYL
3:30 to 4 p.m.—American Salon Orchestra, F. Longo, director; soloist, Agatha Turley, KJR, KGA, KEX, KYA, KMTR, KDYL, KLZ
4 to 4:30 p.m.—Cathedral hour with orchestra, KJR, KGA, KEX, KYA, KMTR, KDYL, KLZ
4:30 to 5 p.m.—Woodwind ensemble, KJR, KGA, KEX, KYA, KMTR
5 to 5:30 p.m.—American Artistic Ensemble; soloist, G. Donald Gray, KJR, KGA, KEX
5:30 to 6 p.m.—Sonatron Tube program, CBS from New York, KJR, KGA, KEX, KYA, KMTR, KDYL, KLZ
6 to 7 p.m.—Majestic Theatre of the Air, CBS from New York, KJR, KGA, KEX, KYA, KMTR, KDYL, KLZ
7 to 7:30 p.m.—De Forest program, CBS from New York, KJR, KGA, KEX, KYA, KLZ, KDYL
7:30 to 8 p.m.—Lyric Hour, KJR, KEX
8 to 8:30 p.m.—"Harpers Corners," a humorous sketch, KJR, KEX, KMTR
8:30 to 10 p.m.—American Salon Orchestra; F. Longo, director; soloists, G. Donald Gray and Sydney Dixon, KJR, KEX, KYA, KMTR, KDYL, KLZ, KYA; KGA takes this program from 9 p.m. on
10 to 11 p.m.—Show Boat Frolic, KJR, KGA, KEX, KYA, KMTR, KLZ, KDYL

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

First Baptist Church, San Jose, California
10:15 to 11 a.m.—Sunday school lessons by Fred J. Hart
11 to 12:30 p.m.—Special Easter services, First Baptist Church
7:30 to 9 p.m.—Evening services, First Baptist Church

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

Radio Service Corp., Salt Lake City, Utah
11 a.m.—Informal program
12 noon—International Bible Students' Assoc.
1 p.m.—Tabernacle services
2:30 p.m.—Mutual hour
3:30 p.m.—Anglo-Persians, NBC
4 p.m.—Salt Lake realty program
4:30 p.m.—Organ concert by Edward P. Kimball, Tabernacle organist
5 p.m.—Instrumental trio and featured soprano
6:15 p.m.—Atwater Kent program, NBC
7 p.m.—First Presbyterian Church services
7:30 p.m.—Mons. D. G. Hunt, of the Cathedral of the Madeleine
8 p.m.—L. D. S. services from the studio
9 p.m.—"Utah Loud Speakers" and the "Melody Trio"

SUNDAY Programs

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

Don Lee, Inc., San Francisco, Calif.
9 to 12 noon—"Home Sweet Home" concert, with Pacific States Concert Orchestra, mixed quartet, Sierra Trio, Lelane Rivera, soprano, and Herman Reinberg, cellist
12 to 1:15 p.m.—Sherman, Clay noonday concert
1:15 to 3:15 p.m.—Musical comedy tabloid
3:15 to 4 p.m.—Art Fadden, pianist
4 to 5 p.m.—Musical record program
5 to 6 p.m.—Theodore Strong, organist; Lucille Atherton Harger, contralto, and Marjorie Colletti, pianist, with cello and harp
6 to 6:30 p.m.—Talk by Dr. Louis I. Newman
6:30 to 7 p.m.—Sierra Trio; Lelane Rivera, soprano
7 to 7:55 p.m.—Harold Dana, baritone; Mary Pasmore, violinist; Frank Moss, pianist
7:55 to 8 p.m.—U. S. Weather Bureau
8 to 9 p.m.—Charles Bulotti, tenor; Juanita Tennyson, soprano, and orchestra, directed by Frank Moss
9 to 9:30 p.m.—Robert Olsen and Florentine Trio
9:30 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's orchestra
11:10 to 12:10 a.m.—New Mandarin Cabaret Band

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

Don Lee, Inc., Los Angeles, California
5 a.m.—Easter sunrise services from Forest Lawn Memorial Park
8 to 9 a.m.—Late recordings
9 to 11 a.m.—Program from KFRC
11 to 12:15 p.m.—First M. E. Church
12:15 to 1:15 p.m.—Late recordings
1:15 to 2 p.m.—Program from KFRC
2 to 3 p.m.—"The Old Adobe"
3 to 5 p.m.—Late recordings
5 to 6 p.m.—Tea Time Three, from KFRC
6 to 6:30 p.m.—Rabbi Edgar Magnin
6:30 to 6:45 p.m.—Recordings
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.—Organ and variety program

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

Louis Wasmer, Inc., Spokane, Washington
10 to 11 a.m.—Children's Bible Class
11 to 12:30 p.m.—Central M. E. Church
2 to 3:30 p.m.—Concert, NBC
3:30 to 4 p.m.—Whittall Anglo Persians, NBC
4 to 4:30 p.m.—Great Moments in History, NBC
4:30 to 4:45 p.m.—Musical program
4:45 to 5:15 p.m.—International Bible Students
5:15 to 6:15 p.m.—KHQ classical recordings
6:15 to 7:15 p.m.—Atwater-Kent, NBC
7:15 to 7:45 p.m.—Studebaker Champions, NBC
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

236.1 Meters **KOL** **Channel 127**
1270 Kcys. **1000 Watts**

Seattle Broadcasting Co., Seattle, Wash.
10 to 12 midnight—Olson's Everstate Scandinavian Band

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

Copyright 1929, E. C. Anthony, Inc., L. A.
1 p.m.—Margaret Ruth Kernan
2 p.m.—Musical program, NBC
3:30 p.m.—Whittall Anglo Persians, NBC
4 p.m.—Great moments in History, NBC
4:30 p.m.—Lella Castberg, "Advanced Thought"
5 p.m.—L. A. Church Federation
5:45 p.m.—Narcotic Research Association
5:58 p.m.—Father Ricard's weather forecast
6 p.m.—Genevieve Behrend, "Science of Life"
6:15 p.m.—Atwater Kent hour, NBC
7:15 p.m.—Studebaker program, NBC
7:45 p.m.—Enna Jettick Melodies, NBC
8 p.m.—Concert orch., Pryor Moore, director
9 p.m.—Manley P. Hall, talk on philosophy
9:30 p.m.—Studio program
10 p.m.—Wally Perrin's dance orchestra; Jean Dunn, soloist

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

Warner Brothers, Hollywood, California
10 to 1:30 p.m.—Courtesy program
6:30 p.m.—Harry Jackson's entertainers
7 p.m.—Hollywood Athletic Club program
7:30 p.m.—Burr McIntosh, Cheerful Philosopher
8 p.m.—Program for Warner Bros. Theatre in Hollywood
9 p.m.—News items, Bill's Ragtime Review
10 p.m.—Amos 'n' Andy
10:10 to 11 p.m.—Bill's Ragtime Review

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

Nichols & Warinner, Long Beach, Calif.
9 to 10 a.m.—Orchestra and light opera, records
10 to 11 a.m.—Organ recital, Dick Dixon
11 to 12:30 p.m.—St. Luke's Episcopal Church
12:30 to 1:30 p.m.—Musical program
1:30 to 2:30 p.m.—Temple organ, Dick Dixon
2:30 to 3:05 p.m.—Long Beach Municipal Band
3:05 to 3:20 p.m.—Musical program
3:20 to 4 p.m.—Long Beach Municipal Band
4 to 5 p.m.—Organ recital, Dick Dixon
5 to 6 p.m.—Charlie Joslyn's Orchestra
6 to 7 p.m.—Hancock Oil Orchestra
7 to 8 p.m.—String quartette
8 to 9 p.m.—First Church of Christ, Scientist
9 to 11 p.m.—"All Star Nite"
11 to 1:30 a.m.—"Egyptian Tom Cats" frolic

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

Bible Institute of Los Angeles, California
6 to 7 p.m.—Vesper service
8 to 9:15 p.m.—Church of the Open Door
9:15 to 10 p.m.—Old hymns hour

260.7 Meters **KJBS** **Channel 115**
1150 Kcys **100 Watts**

J. Brunton & Sons, San Francisco, Calif.
9 to 10 a.m.—Semi-classical recordings
10 to 11 a.m.—Variety recordings
11 to 12 noon—Popular record program
12 to 1 p.m.—Dance melodies
1 to 1:30 p.m.—Concert records
1:30 to 3 p.m.—Variety records
3 to 3:30 p.m.—Mabel Payne, soprano
3:30 to 4:30 p.m.—Edison program
4:30 to 5 p.m.—Red Seal records
5 to 5:30 p.m.—Saphire Violana Virtuoso
5:30 to 6 p.m.—Popular program
6 to 6:30 p.m.—Embassy program

SUNDAY Programs

322.4 Meters **KFWI** **Channel 93**
930 Kcys. **500 Watts**
Radio Entertainments, San Francisco, Calif.
 7:50 to 9 p.m.—Fourth Church of Christ, Scientist, service
 9 to 9:15 p.m.—Organ program

322.4 Meters **KFWM** **Channel 93**
930 Kcys. **500 Watts**
Oakland Educational Society, Oakland, Cal.
 9:45 to 11 a.m.—The Watch Tower program; Organ prelude, Alice Gray Padel; children's radio story, B. F. Holoday; discourse, "Jehovah, the Friend of the People," E. O. Hammond; musical program under the direction of Professor Orrin Leon Padel. Special Easter music; duets by Horace Vicks and Henry Edson
 12 to 1 p.m.—Musical program by the Aeolian Trio; Jeannette Rauhut, violinist; Doris Eckler, 'cellist; Harriette Poole, pianist and organist; Bible questions and answers, C. R. Little
 1:25 to 2:30 p.m.—Program by I. B. S. A. of San Francisco, Calif; instrumental solos, B. D. Van Winkle, vocal solos, Lillian Pelletier and Joseph Morris; accompanists, Mrs. Ruth Morgan Crawford, Helen L. Jewell; hymns by the Choral Singers; discourse, A. R. Crawford
 6 to 7:45 p.m.—The Watch Tower program: Bible dialogue, "The Three Ways"; Bible discourse, "The Regeneration"; vocal and instrumental music; Polish lecture, W. Kellbasa
 9:15 to 10:30 p.m.—Bible dialogue, "Everlasting Life on Earth"; Bible lecture, "Life and Death," I. B. S. A. speaker; vocal solos and duets; mixed quartette

361.2 Meters **KOA** **Channel 83**
830 Kcys. **12,500 Watts**

General Electric Co., Denver, Colorado
 3:30 a.m.—Knights Templar Easter Sunrise Service at Denver Municipal Auditorium
 9:50 a.m.—Service of Montview Boulevard Presbyterian Church, Denver
 1 to 2:30 p.m.—Dr. S. Parkes Cadman, NBC
 2:30 to 3 p.m.—Twilight Singers, NBC
 3 to 3:30 p.m.—Stetson parade, NBC
 3:30 p.m.—Anglo-Persians, NBC
 4 to 4:30 p.m.—Pigmy Wigwag program
 4:30 to 5 p.m.—At the Baldwin, NBC
 5 to 5:15 p.m.—Enna Jettick, NBC
 5:15 to 6:15 p.m.—Collier's hour, NBC
 6:15 to 7:15 p.m.—Atwater Kent hour, NBC
 7:15 to 7:45 p.m.—Studebaker Motors program, NBC

239 Meters **KXL** **Channel 125**
1250 Kcys. **500 Watts**

KXL Broadcasters, Inc., Portland, Ore.
 9 to 11 a.m.—Morning musicale
 10 to 11 a.m.—Program of instrumental music
 11 to 12:30 p.m.—First Methodist Church
 12:30 to 2:30 p.m.—Afternoon presentations
 2:30 to 3 p.m.—Half hour of better music
 3 to 6 p.m.—Popular musical selections
 6 to 8 p.m.—Mulnomah Hotel concert
 8 to 9:15 p.m.—Studio program
 9:15 to 11:30 p.m.—Evening musicale
 11:30 to 6:30 a.m.—All night program

232.6 Meters **KDYL** **Channel 129**
1290 Kcys. **1000 Watts**
Intermountain Broad. Corp., Salt Lake City

11:05 a.m.—Selected program
 11:55 a.m.—Resume of evening programs
 12 noon—Music lovers' period
 1 p.m.—Vic Meyers' Orchestra, ABC
 1:30 p.m.—"Pursuits of Pamela," ABC
 2 p.m.—American Military Band, ABC
 3 p.m.—Enchanters' Male Quartet, ABC
 3:30 p.m.—Salon Orchestra, ABC
 4 p.m.—Lecture by Rabbi Samuel H. Gordon
 4:30 p.m.—Utah Federation of Music Clubs
 5:30 p.m.—Columbia System presenting famous artists
 6 p.m.—"Majestic Theatre of the Air" CBS
 7 p.m.—De Forest artists, CBS
 7:30 p.m.—Popular local artists
 9 p.m.—Salon Orchestra, directed by Francesco Longo, ABC
 10 p.m.—"Show Boat Frolic," ABC

526 Meters **KXA** **Channel 57**
570 Kcys. **500 Watts**

American Radio Tel. Co., Seattle, Wash.
 9 to 9:55 a.m.—Uncle Bill and "The Funnies"
 9:55 to 10:55 a.m.—Bethel Temple, Rev. Officer, pastor
 10:55 to 12:30 p.m.—First M. E. Church, Dr. J. Ralph Magee, pastor
 6:30 to 7:15 p.m.—Concert program
 7:15 to 7:30 p.m.—Organ concert
 7:30 to 8:45 p.m.—First M. E. Church services
 8:45 to 10:30 pm.—Concert program

THE TOM CATS A FEATURE OVER KFQW

The TOM CATS are something absolutely new to the radio audience. They are composed of banjo played by Johnny Fletcher, violin by Freddie Heward and drums played by Hal Chambers. The TOM CATS make a specialty of all request programs. The radio public has taken great interest in the TOM CATS, as evidenced by the numerous requests phoned and written in to KFQW and big things are expected of the TOM CATS.

Johnny Fletcher, formerly of KTAB, KLX and KJR, is the singer and kazooist. Johnny's banjo work and novelty effects are quite out of the ordinary.

Freddie Heward came from KJR. He was for about a year the announcer-operator and staff violinist there. Freddie does lots of novelty "fiddle" hokum.

Last but not least a word about Hal Chambers. Hal is a well known favorite on the air, having sung over KGA, KEX, KJR, KGW and KUOM. Hal is also an announcer at KFQW and the chief Sun Dodger. The Sun Dodgers is an all-night program over KFQW.

The TOM CATS are to be heard on all evening programs over KFQW. On Saturday nights they are to be heard on a big WHOOPEE program.

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W. E. & W. H. JACKSON, Inc.

2511 Broadway, Oakland

255-261 Ninth Street, San Francisco

MONDAY Programs

April 1, 1929



Dr. Buren L. Corley
KYA—1:30 p.m.



Mac and His Haywire Orchestra
KFRC—8:00 p.m.



Paul Reese
KNX—Staff Artist

491.5 Meters
610 Kcys.

KFRC

Channel 61
1000 Watts

Don Lee, Inc., San Francisco, Calif.

- 7 to 8 a.m.—"Simp'y Fitts"
- 8 to 9 a.m.—Embassy Theater program
- 9 to 9:30 a.m.—Georgia O. George
- 10 to 11 a.m.—Wyn's daily chats
- 11 to 11:30 a.m.—Mary Lewis Haines, talk
- 11:30 to 12 noon—Amateur auditions
- 12 to 1 p.m.—Sherman, Clay noonday concert
- 1 to 1:30 p.m.—Ada Day beauty talk
- 3 to 4 p.m.—Matinee concert orchestra
- 4 to 4:15 p.m.—Aviation talk
- 4:15 to 4:30 p.m.—Talk from U. C. Med. Dept.
- 4:30 to 4:35 p.m.—Something About Everything
- 4:35 to 4:55 p.m.—News; lost and found
- 4:55 to 5 p.m.—Town topics
- 5 to 5:30 p.m.—KHJ String Quintet
- 5:30 to 6 p.m.—Emporium's children's hour
- 6 to 6:30 p.m.—Organ recital from KHJ
- 6:30 to 7 p.m.—Berger's X Y Z
- 7 to 7:30 p.m.—Mr. Kansas and his K's
- 7:30 to 7:55 p.m.—Don Lee Symphony Orchestra
- 7:55 to 8 p.m.—Weather Bureau frost warning bulletin
- 8 to 10 p.m.—"Blue Monday Jamboree"
- 10 to 10:10 p.m.—Amos 'n' Andy
- 10:10 to 11:10 p.m.—Anson Weeks' Hotel Mark Hopkins Orchestra
- 11:10 to 12:10 a.m.—Val Valente's Jungletown Orchestra

230.6 Meters
1300 Kcys.

KTBI

Channel 130
1000 Watts

Bible Institute of Los Angeles, California

- 8 to 8:15 a.m.—Uncle Harry's Bible story
- 8:15 to 8:45 a.m.—Devotional service
- 8:45 to 9:15 a.m.—Announcer's hour
- 9:15 to 9:45 a.m.—Radio Bible course
- 9:45 to 10:35 a.m.—Home folks request hour
- 10:35 to 11:30 a.m.—Doctrinal lecture
- 11:30 to 12 noon—Music
- 12 to 12:15 p.m.—Scripture reading
- 1 to 1:15 p.m.—Agnes Bridge, contralto
- 1:15 to 2 p.m.—Faculty music hour
- 2 to 2:30 p.m.—Rev. E. B. Singer
- 7 to 7:30 p.m.—Glendale Harmony Male Chorus
- 7:30 to 8:15 p.m.—Dr. B. F. Fellman and choir
- 8:15 to 9 p.m.—Evening school lecture
- 9 to 10 p.m.—Musical hour

243.8 Meters
1230 Kcys.

KYA

Channel 123
1000 Watts

Pacific Broadcasting Corp., San Francisco

- 7 to 8 a.m.—Vim, Vigor and Vitality, ABC
- 8 to 8:05 a.m.—Newscasting, ABC
- 8:05 to 9 a.m.—Anthony Euwer and Golden Hour Orchestra, 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.—KYA Trio
- 11 to 12 noon—Sunshine Hour
- 12 to 12:15 p.m.—News items
- 12:15 to 12:30 p.m.—Metro and Cosmo Novelties
- 12:30 to 1:30 p.m.—Pacific Salon Orchestra
- 1:30 to 1:45 p.m.—Dr. Buren L. Corley
- 1:45 to 2:45 p.m.—Bridge Party Hour
- 2:45 to 3 p.m.—Harmonists, ABC
- 3 to 4 p.m.—American Salon Orchestra, ABC
- 4 to 4:30 p.m.—Melodians, ABC
- 4:30 to 4:45 p.m.—Anthony Euwer, ABC, Seattle
- 4:45 to 5 p.m.—Melodians, ABC
- 5 to 5:30 p.m.—Who's Who
- 5:30 to 6 p.m.—KYA Trio
- 6 to 6:15 p.m.—News items
- 6:15 to 6:30 p.m.—Golden Gate Cryer
- 6:30 to 7 p.m.—Vitaphone Jubilee, CBS
- 7 to 7:30 p.m.—Americana, ABC
- 7:30 to 8 p.m.—Piano duo, ABC
- 8 to 9 p.m.—Musical Gems, ABC
- 9 to 10 p.m.—Ice hockey from Iceland
- 10 to 11 p.m.—Hour on Broadway, ABC
- 11 to 12 midnight—Golden Gate Gypsies, ABC

260.7 Meters
1150 Kcys

KJBS

Channel 115
100 Watts

J. Brunton & Sons, San Francisco, Calif.

- 7 to 8 a.m.—Early Bird hour
- 8 to 9 a.m.—Favorite recordings
- 9 to 9:30 a.m.—Embassy popular program
- 9:30 to 11:30 a.m.—Vocal and instrumental
- 11:30 to 1 p.m.—Orthophonic recordings
- 1 to 1:45 p.m.—Raymond Melodists
- 1:45 to 2 p.m.—Dr. Wiseman, health talk
- 2 to 3 p.m.—Concert recordings
- 3 to 3:15 p.m.—Mahr, the Great
- 3:15 to 4 p.m.—Letterman Hospital period
- 4 to 5:30 p.m.—Record varieties
- 5:30 to 6:30 p.m.—Dinner music

MONDAY Programs

NBC

National Broadcasting Company

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

Sandwiches for teas will be described during the Rubymette feature, Miss Holden telling especially how to make those intriguing striped ones. Then will come tea crescents and Boston Bean Loaf as contributions to the Shredded Wheat treasure hunt.

Bennie Walker, editor, will conduct the broadcast and musical numbers will provide a pleasant setting.

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

11:30 to 11:45 a.m.—Canned Peaches

Just how to use peaches as a garnish with the best results will be described by Miss Webster. The "Singing Peaches" will entertain with a number of popular airs.

Broadcast through KGO and KPO

6 to 6:30 p.m.—Edison Recorders

Broadcasting from the New York studios of the NBC, the Edison Recorders will regale a nation-wide audience with 'favorite songs of famous people' in a half-hour program to be heard through KHQ, KOMO, KGW, KGO, KPO and KFI.

6:30 to 7:30 p.m.—General Motors Family Party

Countess Olga Medaloga Albani will be featured in a Mexican program during the General Motors Family Party broadcast.

A combined Mexican and concert orchestra, under the direction of Adrian Schubert, and the Oldsmobile Trio also will participate in the program.

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

7:30 to 8 p.m.—"The Empire Builders"

"Tish," Mary Roberts Rinehart's famous story, will be heard in a dramatized version when "The Empire Builders" is broadcast tonight. Mrs. Rinehart is one of the most widely known American novelists and the author of numerous "best sellers." Among these "Tish" continues to be one of the favorites.

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

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

Rudy Seiger has chosen for a violin solo the old English folk melody, "Drink to Me Only With Thine Eyes," as beloved today as it was in the time of Queen Elizabeth.

Complete details follow:

Orchestra—Selections—"Robin Hood"

.....De Koven

Orchestra—Cuban Serenade.....Herbert

Orchestra—A Hungarian Romance.....Bendix

Orchestra—A Dream.....Bartlett

Orchestra—Overture—"The Caliph of

Bagdad".....Boieldieu

Violin solo—Drink to Me Only With Thine

Eyes.....Old English

Orchestra—Selections—"Faust".....Gounod

Orchestra—Excerpts—"Follow Thru".....

.....Donaldson

Orchestra—Intermezzo No. 1—"Jewels of

the Madonna".....Wolf-Ferrari

Orchestra—Intermezzo No. 2—"Jewels of

the Madonna".....Wolf-Ferrari

Orchestra—Selections—"The Bohemian Girl"

.....Balfe

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

9 to 9:30 p.m.—"Voice of Firestone"

To the lilting tune of "Swingin' Down the Lane" the program will open, with the entire ensemble participating in the number. The ensemble will close a half hour later with "Tommy Atkins' from Frim's "The Firefly."

Jerry Germaine, contralto, will entertain with the promise, "Some Day, Sweetheart," while Easton Kent, tenor, will respond with Grieg's best-known song, "Ich Liebe Dich," and the Firestone Choristers will give voice to "Musical Trust."

Max Dolin and the thirty-two-piece Firestone Orchestra are scheduled for several varied numbers, among which are "Im Wild About Horns on Automobiles" and Rubinstein's "Toreador et Andalouse."

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

9:30 to 10 p.m.—Plantation Echoes

Jerry and his Dixie Melodists will provide music and some of the folks are scheduled to dance and sing during the half-hour. There are Tambo and Rufus to interject the comedy relief. This merry little party is a semi-weekly event at Judge Chandlers home "somewhere south of the Mason-Dixie Line."

Broadcast through KSL and KOA.

10 to 11 p.m.—Slumber Hour

Max Dolin will be on the air with the National Concert Orchestra broadcasting the Slumber Hour program. Gwynfi Jones, tenor, is the soloist for the hour.

"Nocturne," by Krzyzanowski, and MacDowell's "Told at Sunset" are two of the orchestral numbers, while Brahms' popular "Cradle Song" also is programmed. "My Desire," by Cadman, and Achron's "Hebrew Melody" are Jones solo numbers. "Goodnight" closes the program.

Broadcast through KSL and KOA.

BEST BETS TODAY

Table with 3 columns: TIME, STATION, PROGRAM

MONDAY Programs

ABC

American Broadcasting Company

- 7 to 8 a.m.—Vim, Vigor and Vitality, KJR, KGA, KEX, KYA, KMTR
 8 to 9 a.m.—Anthony Euwer and Golden Hour Orchestra, KJR, KGA, KEX, KLZ, KDYL, KYA
 9 to 9:30 p.m.—Mary Cooke, Better Homes program, KJR, KGA, KEX, KDYL, KLZ, KYA
 9:30 to 9:45 a.m.—Glenn Eaton and Marjorie Robillard, KJR, KEX, KGA, KLZ, KDYL, KYA
 9:45 to 10 a.m.—Devotional service, KJR, KEX, KGA, KDYL, KLZ, KYA
 11 to 12 noon—American Reveillers, KJR, KGA, KEX, KLZ, KDYL
 12 to 12:15 p.m.—Late news events, KJR, KGA, KDYL, KLZ
 12:15 to 12:30 p.m.—Glenn Eaton and Marjorie Robillard, Murray and Harris, KJR, KGA, KDYL, KLZ
 12:30 to 1:30 p.m.—American Salon Orchestra, Francesco Longo, director; soloists, KJR, KEX, KGA, KDYL, KLZ
 1:30 to 2 p.m.—Song recital, Vance Gerber and Hayden Morris, KJR, KEX, KGA, KLZ, KDYL
 2 to 3 p.m.—“The Harmonists,” KJR, KEX, KGA, KLZ, KDYL, KYA at 2:45
 3 to 4 p.m.—American Salon Orchestra, Francesco Longo, director; soloists, Gordon Onstad and Dorothy Lewis, KJR, KGA, KEX, KLZ, KDYL, KYA
 4 to 5 p.m.—“The Melodians,” 4:30, Anthony Euwer, KJR, KEX, KGA, KDYL, KLZ, KYA
 5 to 5:30 p.m.—Novelty studio program, KJR, KGA, KEX, KDYL, KLZ
 5:30 to 6:30 p.m.—Vic Meyers’ Popular Recording Orchestra, KJR, KGA, KEX
 6:30 to 7 p.m.—Warner Bros. Vitaphone Jubilee, CBS from New York, KJR, KEX, KGA, KYA, KMTR, KDYL, KLZ
 7 to 7:30 p.m.—Americana, Herman Kenin’s orchestra, KJR, KGA, KEX, KYA, KMTR
 7:30 to 8 p.m.—“Two Pianos,” KJR, KGA, KYA, KMTR
 8 to 9 p.m.—“Musical Gems,” Pacific Salon Orchestra, KJR, KGA, KYA, KMTR, KLZ, KDYL
 9 to 9:30 p.m.—Lyre and Mask, KJR, KGA, KEX, KMTR, KLZ, KDYL
 9:30 to 10 p.m.—String quartet, KJR, KGA, KEX, KMTR, KDYL, KLZ
 10 to 11 p.m.—“Hour on Broadway,” Pacific Salon Orchestra, John Britz directing, KJR, KGA, KEX, KYA, KMTR, KLZ, KDYL
 11 to 12 midnight—Golden Gate Gypsies, Herman Kenin director, KJR, KGA, KEX, KYA, KMTR, KLZ, KDYL

232.6 Meters **KDYL** **Channel 129**
1290 Kcys. **1000 Watts**
Intermountain Broad. Corp., Salt Lake City

- 6 p.m.—Instrumental quartet
 6:30 p.m.—“Vitaphone Jubilee,” CBS
 7 p.m.—Metropolitan Trio
 8 p.m.—Hawaiian program
 8:30 p.m.—Fight broadcast from Hippodrome Theatre
 9:30 p.m.—String quartet, ABC
 10 p.m.—Pacific Salon Orchestra, ABC
 11 p.m.—Golden Gate Gypsies, ABC

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

- General Electric Co., Oakland, California**
 9:30 to 10:30 a.m.—California Home Life
 10:30 to 11:30 a.m.—Woman’s Magazine of the Air, NBC
 11:30 to 11:45 a.m.—Canned Peaches, NBC
 11:45 to 1 p.m.—Rembrandt Trio
 3:30 to 4 p.m.—Everyday Living, Christina S. Madison
 4 to 5 p.m.—California Federation of Women’s Clubs, program
 5 to 5:30 p.m.—Aunt Betty (Ruth Thompson) stories, KGO Kiddies’ Klub
 5:30 to 6 p.m.—S. F. and N. Y. stocks; S. F. produce; news
 6 to 6:30 p.m.—Edison program, NBC
 6:30 to 7:30 p.m.—General Motors Family Party, NBC
 7:30 to 8 p.m.—The Empire Builders, NBC
 8 to 9 p.m.—Rudy 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, featuring J. Wharry Lewis and his Orchestra and the Three Bees
 Orchestra—Overture—The Mikado.....Sullivan
 Three Bees—The Sun Is at My Window
 Orchestra—Two Indian Dances.....Skilton
 1. Deer Dance
 2. War Dance
 Three Bees—Avalon Town
 Orchestra—The Evolution of Jazz.....Arr. Lewis
 Three Bees—She’s Got Great Ideas
 Orchestra—A Love Tale of Alsace Lorraine
Coats
 Three Bees—Lady of the Rainbow
 Orchestra—Song of India.....Rimsky-Korsakov
 Three Bees—I Want the Rainbow
 Orchestra—Song of the Flame.....Gershwin
 Trumpet solo—Romance.....Rubinstein
 Three Bees—All by Myself in the Moonlight
 Orchestra—Country Colors (a humorous sketch)Arr. Lewis
 10:30 to 10:45 p.m.—Alaskan news flashes

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

- 6:45 to 7 a.m.—Inspirational services
 7:30 to 8 a.m.—Myrrhli Musical Klock
 8 to 9 a.m.—Happy Time Hour
 9 to 10 a.m.—Household Service
 10 to 10:30 a.m.—Sara Leigh’s Women’s Hour
 10:30 to 11:30 a.m.—Woman’s Magazine of the Air, NBC
 11:30 to 12 noon—Farmers’ Service Hour
 12 to 12:30 p.m.—Valvoline musical programs
 12:30 to 1 p.m.—Steinitz information
 1 to 1:30 p.m.—Miss Modern
 1:30 to 2 p.m.—Fur Facts
 2 to 3 p.m.—Washington Home Service
 3 to 3:30 p.m.—Bailey’s concert
 3:30 to 4 p.m.—Musical program
 4 to 4:30 p.m.—“Paint o’ Mine” Period
 4:30 to 4:45 p.m.—Empire Home Hints
 4:45 to 5 p.m.—Jones Happy Time
 5 to 5:45 p.m.—Service Hour
 5:45 to 6 p.m.—Dinner concert, sports, news
 6 to 6:30 p.m.—Edison Records, NBC
 6:30 to 7:30 p.m.—General Motors, NBC
 7:30 to 8 p.m.—Great Northern Railway, NBC
 8 to 9 p.m.—Seiger’s Shell Symphonists, NBC
 9 to 9:30 p.m.—Firestone, NBC
 9:30 to 9:45 p.m.—Simplex singing banjoist
 9:45 to 10 p.m.—Alice in Launderland
 10 to 10:30 p.m.—Musical Truck Drivers
 10:30 to 12 midnight—Spokane Coyotes
 12 to 12:30 a.m.—Trues Oil

MONDAY Programs

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

Hale Bros. & The Chronicle, San Francisco
6:45 to 8 a.m.—Health exercises by Hugh Barrett Dobbs, assisted by William H. Hancock
8 to 9 a.m.—Shell Happy Time by Hugh Barrett Dobbs, assisted by William H. Hancock, Bem's Little Orchestra and Golden State Quartet
9:30 to 10 a.m.—Dobbsie's Daily Chat; Andrew Robinson, basso
10 to 10:15 a.m.—Art talk, Helen G. Barker
10:30 to 11:30 a.m.—Woman's Magazine of the Air, NBC
11:30 to 11:45 a.m.—Canned Peaches, NBC
11:45 to 12 noon—Ye Towne Cryer service
12 to 12:10 p.m.—Scripture reading; announcements
12:10 to 1 p.m.—Aeolian Trio
1 to 1:30 p.m.—Shopping hour, featuring Jerry Jermaine
1:30 to 2 p.m.—Anne Warner's home chats
2 to 2:15 p.m.—Secrets for women only
2:15 p.m.—Stock market quotations
4:30 p.m.—California Dev. Assn. talk
4:45 p.m.—Stock market quotations
5 to 5:45 p.m.—Children's hour, Big Brother
5:45 to 5:55 p.m.—Harold Small's book review
5:55 to 6 p.m.—Chamber Commerce talk
6 to 6:30 p.m.—Edison Recorders, NBC
6:30 to 7:30 p.m.—General Motors' program, NBC
7:30 to 8 p.m.—Great Northern Railway, NBC
8 to 9 p.m.—Shell Symphonists' program, NBC
9 to 9:30 p.m.—Voice of Firestone program, NBC
9:30 to 10 p.m.—KPO mixed quartet
10 to 12 midnight—KPO Revue

325.9 Meters **KOMO** **Channel 92**
920 Kcys. **1000 Watts**

Fisher's Blend Station, Seattle, Washington
7:55 a.m.—Inspirational services
8 a.m.—Shell Happy Time
9 a.m.—Organ recital
10:05 a.m.—Mandarin Sauce Co.
10:15 a.m.—Prudence Penny
10:30 a.m.—Woman's Magazine of the Air, NBC
11:30 a.m.—Rhena Marshall, Margaret Gray
11:45 a.m.—Fred Lynch, Rhena Marshall
12 a.m.—Farm flashes, grain reports
12:15 p.m.—Gyrators with Joy Boys
12:45 p.m.—Constance Cook
1 p.m.—Gyrators, with Fred Lynch, tenor
1:30 p.m.—Orchestra, Rhena Marshall
2:30 p.m.—Nip and Tuck
2:45 p.m.—Orchestra; Fred Lynch and Jimmie Riddel in duets
3 p.m.—Orchestra; Alice Maclean, soprano
3 p.m.—Kiddies' program
3:30 p.m.—Stock and bond quotations
3:45 p.m.—News flashes
3 p.m.—Edison transcontinental program, NBC
6:30 p.m.—General Motors Family Party, NBC
7:30 p.m.—Empire Builders, NBC
3 p.m.—Seiger's Shell Symphonists, NBC
9 p.m.—Voice of Firestone, NBC
9:30 p.m.—Maytag So-a-Tone broadcast
10 p.m.—Synco-Rhythmists with Bob Vierling and banjo
11 p.m.—Theatre frolic
11:30 p.m.—Orchestra; James Harvey, tenor
12 midnight—Late news
12:15 to 12:30 a.m.—Zita Dillon, James Harvey

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

Copyright 1929, E. C. Anthony, Inc., L. A.
8 a.m.—Shell Happy Time from KPO
10:30 a.m.—Woman's Magazine of the Air, NBC
11:30 a.m.—Ivar
12 noon—Dept. of Agriculture talks
12:15 p.m.—Federal and state market reports
12:25 p.m.—Shirley Reid, piano and song
1:02 p.m.—Noreen Gamille; Violet Steinaman
2 p.m.—Leon Archer, Wilfred Butterworth, Ann McKinley
3 p.m.—L. A. Fire Dept. Orchestra; Dorothy Green, soloist
4 p.m.—Hugo Escobar Spanish lesson; Fred Skinner jazz pianist; Ruby Berry blues
5 p.m.—Big Brother
5:30 p.m.—Senator George W. Cartwright
5:45 p.m.—Chas. E. Chase, public library
6 p.m.—Edison Recorders, NBC
6:30 p.m.—General Motors Family Party, NBC
7:30 p.m.—Great Northern Railway, NBC
8 p.m.—Seiger's Shell Symphonists, NBC
9 p.m.—Studio program
9:30 p.m.—Pilot Ray Corp. of America
10 p.m.—Concert orchestra; Pryor Moore, dir.
10:30 p.m.—Violin recital by Purcell Mayer; Margaret Kintz Duncan, acc.

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

First Baptist Church, San Jose, California
10 to 11 a.m.—The Helpful Hour
11 to 12 noon—Santa Cruz program
12 to 12:30 p.m.—Leonard & Holt; farm flashes
12:30 to 1 p.m.—Market and weather reports
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
3:30 to 3:45 p.m.—Fanchon's style chat
3:45 to 4:15 p.m.—Thirty minutes with W. K.
4:30 to 5 p.m.—Children's program
5 to 5:15 p.m.—Belco program
5:15 to 5:30 p.m.—Franco's program
5:30 to 6 p.m.—Studio program; Farm Forum
6 to 6:20 p.m.—Crop digest
6:20 to 7 p.m.—Announcements; crop reports; Farmers' Exchange
7 to 8 p.m.—California Farm Bureau news
8 to 9 p.m.—San Jose Community program
9 to 10 p.m.—Studio program

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

Warner Brothers, Hollywood, California
9:30 a.m.—Harmony hour
11 a.m.—Shoppers' directory
12:30 p.m.—Air Journal
1:30 p.m.—Housekeepers' Chat
2 p.m.—Ann Grey and Louise Lynch in popular songs; Don Warner in piano solos
4:30 p.m.—Radio Travel Tales
5 p.m.—Radio Review
5:45 p.m.—Town Tattler
6:20 p.m.—Musical program
6:30 p.m.—Vitaphone Jubilee Hour
7 p.m.—Harry Jackson's entertainers
7:30 p.m.—Buster Dees, popular songs
7:45 p.m.—Daily news
8 p.m.—"Happy" Harry Geise
8:30 p.m.—Spanish program featuring Xavier Cugat, famous Spanish violinist; Carmen Castillo, soprano, and Evelyn Kemp, concert pianist
9 p.m.—Courtesy program
9:30 p.m.—The Hollywood Revelers
10 p.m.—Amos 'n' Andy
10:10 p.m.—Henry Halstead's orchestra
11:10 to 12:10 p.m.—Roy Fox' orchestra

MONDAY Programs

340.7 Meters
880 Kcys.

KLX

Channel 88
500 Watts

Tribune Publishing Co., Oakland, Calif.

7 to 8 a.m.—Exercises
8 to 9 a.m.—Jean Kent
9 to 9:30 a.m.—Recordings
9:30 to 9:40 a.m.—Belco talk
9:40 to 10:15 a.m.—Recordings
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 Hawaiians
1 to 2 p.m.—Jean's Hi-Lights
2 to 2:30 p.m.—Recordings
2:30 to 3:30 p.m.—Opportunity hour
3:30 to 4:30 p.m.—Recordings
4:30 to 5 p.m.—Chas. T. Besserer, organ recital
5 to 5:30 p.m.—Brother Bob
5:30 to 6 p.m.—Cressy Ferrer, pianist
6 p.m.—Curtain calls
6:10 to 7 p.m.—Hotel Oakland Concert Trio
7 to 7:30 p.m.—News broadcast
7:30 to 8 p.m.—Studio program
8 to 8:30 p.m.—The Alabam Orchestra
8:30 to 9 p.m.—Helen W. Parmelee, pianist, and Jeanne Rabinowitz, Russian soprano
9 to 10 p.m.—Helen Wegman Parmelee, pianist, and Helen and Hazel, harmony team

483.6 Meters
620 Kcys.

KGW

Channel 62
1000 Watts

The Morning Oregonian, Portland, Oregon

7:15 to 7:30 a.m.—Y. M. C. A. health exercises
8 to 9 a.m.—Shell Happy Time
9 to 9:30 a.m.—Betty Baker's Cooking School
9:30 to 10 a.m.—Chamber of Commerce talk
10 to 10:30 a.m.—The Town Crier
10:30 to 11:30 a.m.—Women's Magazine of the Air, NBC
11:30 to 12 noon—Continuation of Town Crier
2 to 2:20 p.m.—Stock market quotations
6 to 6:30 p.m.—Edison Recorders, NBC
6:30 to 7:30 p.m.—General Motors Family Party, NBC
7:30 to 8 p.m.—Great Northern Railway program, NBC
8 to 9 p.m.—Seiger's Shell Symphonists, NBC
9 to 9:30 p.m.—Firestone program, NBC
9:30 to 10 p.m.—Liebes "Puppet Show"
10 to 11 p.m.—Ben Sellings' Boys and Collegiates
11 to 11:15 p.m.—Oregonian news summary

236.1 Meters
1270 Kcys.

KOL

Channel 127
1000 Watts

Seattle Broadcasting Co., Seattle, Wash.

6:45 to 8:45 a.m.—Sunset's Musical Klock
8:45 to 9:45 a.m.—Program of general interest
9:45 to 10 a.m.—Housekeepers Chat
10 to 12 noon—Popular recordings
12 to 1:30 p.m.—Luncheon melodies
2:30 to 4:30 p.m.—Baseball broadcast
4:30 to 4:45 p.m.—Matinee melodies, Shaner and Wolf
4:45 to 5 p.m.—News items: weather forecast
5 to 6 p.m.—Service hour
6 to 7 p.m.—"The Ranch," dance band
7 to 7:30 p.m.—Ken Stuart's half hour
7:30 to 7:45 p.m.—Book Chat, short stories
7:45 to 8 p.m.—"Instagrams"
8 to 8:20 p.m.—Madge Baldwin, "This and That"
8:20 to 9 p.m.—Musical Miniatures
9 to 9:15 p.m.—Amos 'n' Andy
9:15 to 10 p.m.—Studio program
10 to 12 midnight—Cole McElroy's dance band

545.1 Meters
550 Kcys.

KTAB

Channel 55
500 Watts

Pickwick Broadcasting Co., Oakland, Calif.

8 to 9 a.m.—Ray Raymond's Tabloid of the Air
9 to 9:30 a.m.—Morning prayer hour
9:30 to 10 a.m.—Popular recordings
10 to 10:15 a.m.—Dr. B. L. Corley
10:15 to 11 a.m.—Popular records
11 to 12 noon—Studio program
12 to 1 p.m.—George Otto's Hawaiians
1 to 1:30 p.m.—Organ recital
1:30 to 2:30 p.m.—Variety recordings
2:30 to 3 p.m.—Carlson, Dorman and Moran
3 to 4 p.m.—Pickwick Versatilians
4 to 5 p.m.—KTAB Salon Orchestra
5 to 6 p.m.—Brother Bob's Frolic Hour
6 to 6:30 p.m.—Dan Jeffries
6:30 to 7 p.m.—Twilight Hour
7 to 7:15 p.m.—George J. Davis, sport talk
7:15 to 7:30 p.m.—Talk by Eugene K. Sturgis, attorney-at-law
7:30 to 8 p.m.—Ben Swett's Cadets
8 to 9 p.m.—Pickwick Versatilians; Heinie Klotz tenor
9 to 10 p.m.—Orchestra; Lydia Sturtevant, soloist
10 to 10:30 p.m.—Carl Tobin, tenor
10:30 to 11 p.m.—Mabel Payne, soprano
11 to 1 a.m.—Night Owls

333.1 Meters
900 Kcys.

KHJ

Channel 90
1000 Watts

Don Lee, Inc., Los Angeles, California

7:30 to 8 a.m.—Physical culture period
8 to 9 a.m.—"The Alarm Clock"
9 to 9:55 a.m.—Late recordings
10:15 to 11:15 a.m.—A. White, "At Our House"
11:15 to 11:30 a.m.—Diet Question Box
11:30 to 12 noon—"Two Starving Song Writers"
12 to 12:30 p.m.—Biltmore Hotel Orchestra
12:30 to 12:45 p.m.—World-wide news
12:45 to 1:30 p.m.—KHJ Dance Orchestra
1:30 to 2 p.m.—Charlie Wellman's requests
2 to 2:30 p.m.—"Dip-It" and the Thing Lady
2:30 to 3 p.m.—KHJ soloists
3 to 4 p.m.—"Chasin' the Blues"
4 to 4:15 p.m.—Western Air Express
4:15 to 4:30 p.m.—Public Relations Dept.
4:30 to 5 p.m.—Matthew Murray, "Home Problems"
5 to 6 p.m.—Sunset Quintet
6 to 6:45 p.m.—Organ recital
6:45 to 7 p.m.—World-wide news
7 to 7:30 p.m.—Inglewood Park program
7:30 to 8 p.m.—KHJ Concert Orchestra
8 to 10 p.m.—Jamboree program from KFRC
10 to 11 p.m.—Anson Weeks' dance orchestra from KFRC
11 to 12 midnight—Earl Burnett's dance orch.
12 to 1 a.m.—Organ and variety program

239 Meters
1250 Kcys.

KXL

Channel 125
500 Watts

KXL Broadcasters, Inc., Portland, Ore.

6:30 to 8 a.m.—Breakfast concert
8 to 9 a.m.—Morning radio clock
10 to 12 noon—Home Economics and music
12 to 2:30 p.m.—Afternoon presentations
2:30 to 3 p.m.—Half hour of better music
3 to 5 p.m.—Popular musical selections
5 to 6 p.m.—Rural request program
7 to 7:30 p.m.—Grandpa Bulger's children's hour
7:30 to 8 p.m.—Vesper music
8 to 9:30 p.m.—Rose studio orchestra
9:30 to 10 p.m.—Studio program
10 to 10:30 p.m.—Reporter
10:30 to 12 midnight—Multnomah Hotel Orchestra
12 to 6:30 a.m.—All night program

MONDAY Programs

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

Radio Entertainments, San Francisco, Calif.
9 to 10 a.m.—Musical breakfast program
10 to 10:30 a.m.—Charlie Glenn, songs
10:30 to 11 a.m.—Studio program
11 to 12 noon—Morning concert
12 to 1 p.m.—Hooligans' luncheon program
1 to 1:30 p.m.—Cal King's Country Store
6 to 6:30 p.m.—Dinner program
6:30 to 7 p.m.—Herb Scharlin, piano and songs
8:30 to 9 p.m.—May Josephi Kincaid Dramatic Players present "The Comedy of Danger," by Richard Hughes; characters: Jack, William Martin; Mary, Helen Love; Mr. Fax, William Blythe; selections from the book of poems written by Dr. Henri Maurice Landworth read by May Josephi Kincaid.
9 to 9:30 p.m.—California Sunshine Boys
9:30 to 11 p.m.—Dance music

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

Nichols & Warinner, Long Beach, Calif.
8 to 8:15 a.m.—"Tadpole," The Buttercream Boy
8:15 to 8:45 a.m.—Bright and Early Hour
8:45 to 9:20 a.m.—Novelty program
9:50 to 10 a.m.—Spanish program
10 to 10:10 a.m.—Hawaiian program
10:10 to 10:20 a.m.—Popular songs
10:20 to 10:30 a.m.—Salon music
10:30 to 10:50 a.m.—Organ recital
10:50 to 11 a.m.—"Clarence"
11 to 11:10 a.m.—Beauty talk
11:10 to 12 noon—Music; recordings; news
12 to 12:30 p.m.—"Gene and Bill"
12:30 to 1 p.m.—Louise Church and Maud Irvine
1 to 2 p.m.—Quartette; Elsie Montgomery, cellist
2 to 2:15 p.m.—Health talk
2:15 to 2:30 p.m.—Musical program
2:30 to 2:45 p.m.—Talk on dancing
2:45 to 3 p.m.—Musical program
3 to 4 p.m.—Play by studio players
4 to 4:20 p.m.—News report
4:20 to 4:30 p.m.—Musical program
4:30 to 5 p.m.—Dick Love's orchestra
5 to 5:30 p.m.—Eleanor Sammons; Louise Church
5:30 to 6 p.m.—String trio
6 to 6:05 p.m.—Lost and found department
6:05 to 6:30 p.m.—Supper Club
6:30 to 7 p.m.—Eleanor Sammons; Louise Church
7 to 8 p.m.—Suydam's Buttercream School
8 to 9 p.m.—Double Eagle Quartette
9 to 10 p.m.—Orchestra; Maud Irvine; Warner Duo
10 to 11 p.m.—Classical program
11 to 12 midnight—Organ recital, Dick Dixon

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

Radio Service Corp., Salt Lake City, Utah
5:30 p.m.—Maytag variety program
6 p.m.—Edison program, NBC
6:30 p.m.—General Motors program, NBC
7:30 p.m.—Great Northern Railroad program, NBC
8 p.m.—"The Jewel Box"
8:30 p.m.—Harry Jellison, basso, and Kalawaia Hawaiian Trio
9 p.m.—"Firestone" program, NBC
9:30 p.m.—"Plantation Echoes," NBC
10 p.m.—"Slumber Music," NBC

322.4 Meters **KFWM** **Channel 93**
930 Kcys. **500 Watts**
Oakland Educational Society, Oakland, Cal.

8 to 9 a.m.—Max's Market and Health Hour
2:30 to 3:30 p.m.—Musical program under the direction of Pha Fraser
4:30 to 5 p.m.—Musical program
5 to 5:50 p.m.—Big Brother Walter
5:50 to 6 p.m.—Kingdom or world news
7 to 8 p.m.—Doc Herrold
8 to 8:30 p.m.—Watch Tower program: Bible lecture, C. H. Martin

285.5 Meters **KNX** **Channel 105**
1050 Kcys. **5000 Watts**
L. A. Evening Express, Los Angeles, Calif.

6:45 to 8 a.m.—Health exercises
8 a.m.—Talk and morning prayer
9 to 9:30 a.m.—Musical program
9:30 to 10 a.m.—Shopping news
10:30 a.m.—Household economics
11 to 11:30 a.m.—Courtesy program
11:30 a.m.—Maytag So-A-Tone broadcast
12 noon to 12:30 p.m.—Musical program
12:30 to 12:45 p.m.—W. F. Alder travelogue
1:30 to 2 p.m.—The Bookworm
2 to 2:30 p.m.—Courtesy program
4 p.m.—Lost and found announcements.
4:25 p.m.—Dr. Wesley M. Barrett
5 to 5:45 p.m.—"Own Your Own Home"
5:45 to 6 p.m.—Town Crier's amusement tips
6 to 6:30 p.m.—Organ program
6:30 to 7 p.m.—KNX String Quartet
7 to 7:30 p.m.—Alfonso Corelli's orchestra
7:30 to 8 p.m.—One-act play under the direction of Georgia Fifield
8 to 9 p.m.—"Edison hour" program
9 to 9:30 p.m.—Program of "Early California"
9:30 to 10 p.m.—Feature program
10 p.m. to 12 midnight.—Hotel Ambassador orch.
12 midnight to 1 a.m.—Dorado Club dance hour

361.2 Meters **KOA** **Channel 83**
830 Kcys. **12,500 Watts**

General Electric Co., Denver, Colorado
5 to 5:30 p.m.—The Voice of Firestone, NBC
5:30 to 6 p.m.—Automatic Disc duo, NBC
6 to 6:30 p.m.—Edison program, NBC
6:30 to 7:30 p.m.—General Motors Family Hour, NBC
7:30 to 8 p.m.—Empire Builders, NBC
8 to 8:05 p.m.—"The Road to Financial Independence"
8:05 to 9 p.m.—General Electric hour—featuring Denver Concert Orchestra and General Electric male quartet
9:30 to 10 p.m.—Plantation Echoes, NBC
10 to 11 p.m.—Slumber hour, NBC

526 Meters **KXA** **Channel 57**
570 Kcys. **500 Watts**

American Radio Tel. Co., Seattle, Wash.
12 to 3 p.m.—Recorded program
3 to 4 p.m.—Bride hour
4 to 5 p.m.—Hawaiian recorded selections
5 to 6 p.m.—Popular recorded program
6 to 7 p.m.—Slim Secord's Hot-En-Tots; Patsy Kelly, soloist
7 to 7:30 p.m.—State Highway Patrol program
7:30 to 8 p.m.—"The Three Melody Boys" and Clarence Lundquist
8 to 9 p.m.—Program featuring Harold Chase
9 to 10 p.m.—KXA Trio with Don Craig; Fred Lyon; Donald Schaffer
10 to 11 p.m.—Glen Carter's Merrymakers; Patsy Kelly, soloist

TUESDAY Programs

April 2, 1929



Peggy Price
KFI—4:00 p.m.



Tommy Munroe and Bob Allen
KPO—9:30 p.m.



Eva G. Atkinson
KGO—9:00 p.m.

340.7 Meters
880 Kcys.

KLX

Channel 88
500 Watts

Tribune Publishing Co., Oakland, Calif.

- 7 to 8 a.m.—Exercises
- 8 to 9 a.m.—Jean Kent
- 9 to 9:30 a.m.—Recordings
- 9:30 to 10:15 a.m.—Health questions
- 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 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, organ recital
- 5 to 5:30 p.m.—Brother Bob
- 5:30 to 6 p.m.—Cressy Ferra, pianist
- 6 p.m.—Curtain calls
- 6:10 to 7 p.m.—Hotel Oakland Concert Trio
- 7 to 7:30 p.m.—News broadcast
- 7:30 to 8 p.m.—Studio program
- 8 to 9 p.m.—John Wharry Lewis KLX Quintet
- 9 to 9:30 p.m.—Kanteen Kapers
- 9:30 to 10 p.m.—Popular song hits, Adele and Gertrude, harmony team; Frank Holiday Jr., tenor; Genevieve Chinn, blues singer; Jackson Swales, pianist
- 10 to 11 p.m.—Fleur-de-Lis Orchestra

483.6 Meters
620 Kcys.

KGW

Channel 62
1000 Watts

The Morning Oregonian, Portland, Oregon

- 8 to 9 a.m.—Shell Happy Time
- 9 to 9:30 a.m.—Betty Baker's Cooking School
- 9:30 to 10:30 a.m.—The Town Crier
- 10:30 to 11:30 a.m.—Women's Magazine of the Air, NBC
- 11:30 to 11:45 a.m.—Park Bench program, NBC
- 11:45 to 12 noon—Fleischmann program, NBC
- 2 to 2:30 p.m.—Stock market quotations
- 2:30 to 3 p.m.—Bridge game
- 3 to 4 p.m.—Wayside Inn, NBC
- 4 to 4:30 p.m.—Voters' service, NBC
- 6 to 7 p.m.—Eveready hour, NBC
- 7 to 7:30 p.m.—Cliquot Club program, NBC
- 7:30 to 8 p.m.—Freed-Eisemann program, NBC
- 8 to 9 p.m.—Radio-Keith Orpheum hour, NBC
- 9 to 10 p.m.—Schwabacher program, KOMO
- 10 to 11 p.m.—Dance frolic from KOMO
- 11 to 12 midnight—Studio program
- 12 to 12:15 a.m.—Oregonian news summary

468.5 Meters
640 Kcys.

KFI

Channel 64
5000 Watts

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- 8 a.m.—Shell Happy Time from KPO
- 9 a.m.—Musical program by Sylvia
- 10 a.m.—Sylvia's Happy Hour
- 10:30 a.m.—Woman's Magazine of the Air, NBC
- 11:30 a.m.—Talk on "Rhythmic Movement"
- 11:45 a.m.—Fleischmann Yeast program, NBC
- 12 noon—Dept. of Agriculture talks
- 12:15 p.m.—Federal and state market reports
- 2 p.m.—Leon Archer, Idell Moyd, Hazel Shively and Eleanor Maegle
- 3 p.m.—Marie Lohikar, contralto
- 3:30 p.m.—Peggy Warner, soprano
- 3:45 p.m.—Dr. John Miller
- 4 p.m.—Irene Wynn, contralto; Peggy Price, blues
- 4:45 p.m.—Bridge by June Snow
- 5 p.m.—Big Brother
- 5:30 p.m.—Prof. Carl S. Knopf
- 5:45 p.m.—Dept. of Commerce talks
- 6 p.m.—Eveready hour, NBC
- 7 p.m.—Cliquot Club program, NBC
- 7:30 p.m.—Freed-Eisemann program, NBC
- 8 p.m.—Radio-Keith Orpheum hour, NBC
- 9 p.m.—Concert orchestra; Fryor Moore, dir.
- 9:30 p.m.—Paul Roberts and the John Schonberger Trio
- 10 p.m.—Dance music program, NBC

296.6 Meters
1010 Kcys.

KQW

Channel 101
500 Watts

First Baptist Church, San Jose, California

- 10 to 11 a.m.—The Helpful Hour
- 11 to 12 noon—Salinas program
- 12 to 12:30 p.m.—Leonard & Holt; farm flashes
- 12:30 to 1 p.m.—Market and weather reports
- 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
- 3:30 to 4 p.m.—Fanchon's Style Chat
- 3:45 to 4:15 p.m.—Thirty minutes with W. K.
- 4:30 to 5 p.m.—Children's program
- 5 to 5:45 p.m.—Studio and Franco's program
- 5:45 to 6 p.m.—U. S. D. A. Farm Forum
- 6 to 6:20 p.m.—Crop digest
- 6:20 to 6:50 p.m.—Announcements; crop reports
- 6:50 to 7 p.m.—Farmers' Exchange
- 7 to 8 p.m.—California Farm Bureau
- 8 to 9:30 p.m.—"You Never Can Tell" program

TUESDAY Programs

ABC

American Broadcasting Company

- 7 to 8 a.m.—Vim, Vigor and Vitality, KJR, KGA, KEX, KYA, KMTR
8 to 9 a.m.—Anthony Euwer and Golden Hour Orchestra, KJR, KGA, KEX, KLZ, KDYL, KYA
9 to 9:30 a.m.—Mary Cooke, Better Homes program, KJR, KGA, KEX, KLZ, KDYL, KYA
9:30 to 9:45 a.m.—Glenn Eaton and Marjorie Robillard, KJR, KGA, KEX, KLZ, KDYL, KYA
9:45 to 10 a.m.—Devotional service, KJR, KGA, KEX, KLZ, KDYL, KYA
10:30 to 10:45 a.m.—Georgia O. George, hair culture, KJR, KGA, KEX, KLZ, KDYL
11 to 12 noon—American Revellers, KJR, KGA, KEX, KLZ, KDYL
12 to 12:15 p.m.—Late news events, KJR, KGA, KDYL, KLZ
12:15 to 12:30 p.m.—Glenn Eaton and Marjorie Robillard, Murray and Harris, KJR, KGA, KEX, KLZ, KDYL
12:30 to 1:30 p.m.—American Artistic Ensemble; soloists, Perdin Korsmo and Gertrude Kirk-smith, KJR, KGA, KEX, KLZ, KDYL
1:30 to 2 p.m.—Song recital, Sydney Dixon and G. Donald Gray, KJR, KGA, KEX, KLZ, KDYL
2 to 3 p.m.—American Salon Orchestra, Francesco Longo director; soloists, KJR, KGA, KEX, KLZ, KDYL
3 to 4 p.m.—Vic Meyers' Popular Recording Orchestra, KJR, KGA, KEX, KLZ, KDYL
4 to 5 p.m.—American Salon Orchestra, Francesco Longo director; soloists, KJR, KGA, KEX, KLZ, KDYL
5 to 5:30 p.m.—Vic Meyers' Popular Recording Orchestra, KJR, KGA, KEX
5:30 to 6 p.m.—American Artistic Ensemble; soloist, Sydney Dixon, KJR, KGA, KEX
6 to 7 p.m.—Paul Whiteman's orchestra, CBS from New York, KJR, KGA, KEX, KYA, KMTR, KLZ, KDYL
7 to 8 p.m.—Voice of Columbia, CBS from New York, KJR, KGA, KYA, KMTR, KLZ, KDYL
8 to 9 p.m.—Wrigley's Royal Canadians, Guy Lombardo director, CBS from New York, KJR, KGA, KEX, KYA, KMTR, KDYL, KLZ
9 to 9:30 p.m.—Enchanters' Male Quartet, KJR, KEX, KGA
9:30 to 10 p.m.—Histories of Paul Bunyan, KJR, KGA, KEX, KYA, KMTR, KDYL, KLZ
10 to 11 p.m.—American Philharmonic Orchestra, KJR, KGA, KEX, KYA, KMTR, KDYL, KLZ
11 to 12 midnight—Vic Meyers' orchestra, KJR, KGA, KEX, KYA, KMTR, KDYL, KLZ

379.5 Meters
790 Kcys.

KGO

Channel 79
10,000 Watts

General Electric Co., Oakland, California

- 9:30 to 10:30 a.m.—California Home Life
10:30 to 11:30 a.m.—Woman's Magazine of the Air, NBC
11:30 to 11:45 a.m.—The Park Bench, NBC
11:45 to 12 noon—Fleischmann Food Club, NBC
12 to 1 p.m.—Rembrandt Trio
3 to 4 p.m.—The Wayside Inn, NBC
4 to 4:30 p.m.—Voters' Service, NBC
5:30 to 6 p.m.—S. F. and N. Y. stocks; S. F. produce; news
6 to 7 p.m.—Eveready Hour, NBC
7 to 7:30 p.m.—Cliequot Club Eskimos, NBC
7:30 to 8 p.m.—Freed-Eisemann, NBC
8 to 9 p.m.—Radio-Keith-Orpheum program, NBC
9 to 10 p.m.—The Pilgrims in Springtime. Aug. Hinrichs, director; Eva Gruninger Atkinson, contralto
Orchestra—Waltz—Spring, Beautiful Spring
Songs—
The Year's at the Spring.....Beach
Down in the Forest.....Ronald
Violin, piano and 'cello—
Norwegian Spring Dance.....Sandby
Orchestra—Selection—The Spring Maid.....Reinhardt
Songs—
Au Printemps (To Spring).....Gound
Spring's Singing.....MacFayden
Howdy, Miss Springtime.....Guion
Violin and piano—
Spring Sonata (first movement)....Beethoven
Orchestra—
Spring SongMendelssohn
Spring ZephyrsVessella
10 to 10:15 p.m.—DX flashes
10:15 to 10:30 p.m.—Cliff Moore's Rhythm Band
10:30 to 11 p.m.—The Melodettes

BEST BETS TODAY

Table with 3 columns: TIME, STATION, PROGRAM. The table is mostly empty, indicating no specific programs are listed for this section.

265.3 Meters
1130 Kcys.

KSL

Channel 113
5000 Watts

Radio Service Corp., Salt Lake City, Utah

- 5:30 p.m.—Osborne Sisters and sax. quartet
6 p.m.—"Eveready" hour, NBC
7 p.m.—"Cliequot Eskimos," NBC
7:30 p.m.—Freed-Eisemann, NBC
8 p.m.—"Radio-Keith Orpheum," NBC
9:30 p.m.—Emma Worsley and Len Nelson, assisted by Margaret Moseley and Stuart Rae
10 p.m.—Claude Kiff's Odeon Spanish Ballroom Band

TUESDAY Programs

NBC

National Broadcasting Company

10:30 to 11:30 a.m.—“Womans Magazine of the Air”

“Cheese, one of the Most Wholesome of Foods for Children,” is Miss Holden's Kraft feature topic. The “why” of preparing cheese for children and some tempting recipes will be told. The advantage of oven-cooking will be explained during the Wedgewood feature.

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

11:45 to 11:45 a.m.—The Park Bench

Depicting the typical New Yorkers who spend their idler moments in Central Park, the program is one of the favorites among the shorter features. To former New Yorkers, the dramalogue brings back amusing memories and for other folk there is pleasant entertainment.

Broadcast through KHQ, KOMO, KGW and KGO.

11:45 to 12 noon—Fleischmann Food Club

Recipes for many tempting breads always are revealed by Miss Wilson during the food club fifteen minutes, giving housewives an opportunity to change the oftentimes wearisome plain bread.

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

3 to 4 p.m.—The Wayside Inn

Walter Beban's jazz band, a male quartet and a bevy of the National Players will broadcast “The Wayside Inn” hour this afternoon.

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

4 to 4:30 p.m.—Voters' Service (Transcontinental)

Continuing the radio Citizenship School, the weekly Voters' Service program will be broadcast through KHQ, KOMO, KGW, KGO and KPO.

6 to 7 p.m.—As a coast-to-coast audience listens in, stations associated with the NBC System will broadcast another Eveready Hour tonight through KHQ, KOMO, KGW, KGO, KPO and KFI.

7 to 7:30 p.m.—Clicquot Club Eskimos

Sparkling dance themes and syncopated rhythms will divert a nationwide audience when the Clicquot Club Eskimos present their weekly half-hour program of dance music. A fox trot medley of “Charmaine” and “Diane,” by Rapee, will be one of the novelties to be offered by the group under the direction of Harry Reser. Reser himself will be heard in a banjo solo.

“Chilly Pom Pom Pee,” a recent publication, is another programmed selection.

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

7:30 to 8 p.m.—Freed-Eisemann Orchestradians

Dance music interpreted by one of the largest orchestras on the air will entertain listeners when the Freed-Eisemann Orchestradians broadcast.

Consisting of thirty-five musicians, this group will be assisted by Lannie Ross as guest vocal soloist. Hugo Mariani is the director.

Complete details follow:

Orchestra—Waltz Theme.....Hubbell

Soloist with orchestra—Buy a Freshman

Radio.....Hubbell

Orchestra—Sing a Song in the Rain—
“Polly”.....Rosenthal

Orchestra—She's Funny That Way
(foxtrot).....Moret

Soloist with orchestra—How About Me?.....
Berlin

Orchestra—Yale medley

Orchestra—Venetian Nights (waltz
Theme.....Bernard

Orchestra—San (foxtrot).....McPhail

Soloist with orchestra—Come West, Little
Girl—“Whoopie”.....Donaldson

Orchestra—Girl medley—

a. Gone Again Gal

b. The Girl Friend

c. My Varsity Girl

Orchestra—Makin' Whoopie—“Whoopie”
.....Donaldson

Orchestra—I'd Rather Be Blue Over You.....
Fisher

Orchestra—Closing Theme.....Hubbell

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

8 to 9 p.m.—Radio-Keith-Orpheum Hour

With the Radio-Keith-Orpheum Hour presented now as a transcontinental program, a wide variety of talent will offer the entertainment broadcast through the NBC System nation-wide network tonight from 8 to 9 o'clock, Pacific standard time.

Stars from various Radio-Keith-Orpheum theatres throughout the country will appear before the microphone during the vaudeville feature hour.

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

10 to 12 midnight—Dance music by the Trocaderans under the leadership of Frank Ellis will be broadcast through KPO and KGW from 10 to 12 and through KFI from 10 to 11 o'clock.

440.9 Meters
680 Kcys.

KPO

Channel 68
5000 Watts

Hale Bros. & The Chronicle, San Francisco

6:45 to 8 a.m.—Health exercises by Hugh Barrett Dobbs, assisted by William H. Hancock

8 to 9 a.m.—Shell Happy Time by Hugh Barrett Dobbs and William H. Hancock, assisted by Edna Fisher, pianist, and Kenneth Rowley, baritone

9:30 to 10 a.m.—Dobbsie's Daily Chat; Edna May Hamilton, contralto

10 to 10:10 a.m.—Annabelle Lee

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

11:30 to 11:45 a.m.—Ye Towne Cryer

11:45 to 12 noon—Fleischmann program, NBC

12 to 12:10 p.m.—Scripture reading; announcements

12:10 to 12:30 p.m.—Don George, organist

12:30 to 1 p.m.—Aeolian Trio

1 to 1:30 p.m.—Jerry Jermaine for Hale Bros.

1:30 to 2 p.m.—Anne Warner's home chats

2 to 2:30 p.m.—House of Dreams, with Gilbert Hyde Chick, tenor

2:30 to 2:45 p.m.—Secrets for women only

2:45 to 3 p.m.—Stock market quotations

3 to 4 p.m.—“The Wayside Inn,” NBC

4 to 4:30 p.m.—Voters' service program, NBC

4:30 to 5 p.m.—Bridge Lesson No. 21

5 to 6 p.m.—Children's hour, Big Brother

6 to 7 p.m.—Eveready program, NBC

7 to 7:30 p.m.—Clicquot Club Eskimos, NBC

7:30 to 8 p.m.—Freed-Eisemann, NBC

8 to 9 p.m.—Radio-Keith-Orpheum, NBC

9 to 9:30 p.m.—Chrysler program with Merton Bories

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

10 to 12 midnight—The Trocaderans, NBC

TUESDAY Programs

491.5 Meters
610 Kcys.

KFRC

Channel 61
1000 Watts

Don Lee, Inc., San Francisco, Calif.

- 7 to 8 a.m.—"Simp'y Flitts"
8 to 9 a.m.—Embassy Theater program
9 to 9:30 a.m.—Georgia O. George
9:30 to 10 a.m.—Srnol program records
10 to 11 a.m.—Wyn's daily chats
11 to 11:30 a.m.—Mary Lewis Haines
11:30 to 12 noon—Amateur auditions
12 to 1 p.m.—Sherman, Clay noonday concert
1 to 1:30 p.m.—Ada Day beauty talk
3 to 4 p.m.—Matinee concert
4 to 4:30 p.m.—Bridge lessons and news
4:30 to 4:35 p.m.—Something about everything
4:35 to 4:55 p.m.—News bulletins; lost and found
4:55 to 5 p.m.—Town Topics
5 to 5:30 p.m.—Mac and his gang
5:30 to 6 p.m.—Emporium's children's hour
6 to 6:45 p.m.—Concert orchestra and ensemble
6:45 to 7 p.m.—"Bobs," sports authority
7 to 7:30 p.m.—Swedish Import Co. program
7:30 to 7:55 p.m.—Remar Twins
7:55 to 8 p.m.—Weather Bureau frost warning
8 to 9 p.m.—Specialty program and soloists
9 to 10 p.m.—Concert program from KHJ
10 to 10:10 p.m.—Amos 'n' Andy
10:10 to 11:10 p.m.—Earl Burtnett's dance orchestra, KHJ
11:10 to 12:10 a.m.—Tom Gerunovich's orchestra

236.1 Meters
1270 Kcys.

KOL

Channel 127
1000 Watts

Seattle Broadcasting Co., Seattle, Wash.

- 6:45 to 8:45 a.m.—Sunset's Musical Klock
8:45 to 9:45 a.m.—Program of general interest
9:45 to 10 a.m.—Aunt Sammy's housekeepers' chat
10 to 12:30 p.m.—Popular recordings
12:30 to 1:30 p.m.—Kiwanis Club luncheon program
1:30 to 2 p.m.—Matinee melodies, Shaner and Wolf
2:30 to 4:30 p.m.—Baseball broadcast
4:30 to 5 p.m.—News items, weather report
5 to 6 p.m.—Service hour
6 to 7 p.m.—Dinner music; announcements
7 to 7:30 p.m.—Popular program
7:30 to 8 p.m.—Melbourne Trio
8 to 8:20 p.m.—Madge Baldwin, "This and That"
8:20 to 9 p.m.—Pacific Trade program
9 to 9:15 p.m.—Amos 'n' Andy
9:15 to 9:30 p.m.—Studio program
9:30 to 10 p.m.—Auction bridge game
10 to 11 p.m.—Dance program
11 to 11:30 p.m.—Theatrical revue

230.6 Meters
1300 Kcys.

KTBI

Channel 130
1000 Watts

Bible Institute of Los Angeles, California

- 8 to 8:15 a.m.—Uncle Harry's Bible story
8:15 to 8:45 a.m.—Devotional service
8:45 to 9:15 a.m.—Announcer's hour
9:15 to 9:45 a.m.—Radio Bible course
9:45 to 10:35 a.m.—Lecture
10:35 to 11:30 a.m.—Doctrinal lecture
11:30 to 12 noon—Dr. W. E. Edmonds
12 to 12:15 p.m.—Scripture reading
1 to 1:15 p.m.—Winifred Kopp, contralto
1:15 to 2 p.m.—Bible question box
2 to 2:30 p.m.—Rev. F. E. Lindgren

243.8 Meters
1230 Kcys.

KYA

Channel 123
1000 Watts

Pacific Broadcasting Corp., San Francisco

- 7 to 8 a.m.—Vim, Vigor and Vitality, ABC
8 to 8:05 a.m.—Newscasting, ABC
8:05 to 8:15 a.m.—Anthony Euwer, ABC
8:15 to 9 a.m.—Golden Hour Orchestra, ABC
9 to 9:30 a.m.—Mary Cooke, better homes, ABC
9:30 to 9:45 a.m.—Eaton and Robillard, ABC
9:45 to 10 a.m.—Devotional service, ABC
10 to 10:30 a.m.—Oregon Mills program
10:30 to 10:40 a.m.—Dr. Buren L. Corley
10:40 to 11 a.m.—John Patrick and Helen Troy
11 to 12 noon—California Sunshine Hour
12 to 12:15 p.m.—News items
12:15 to 12:30 p.m.—Tuesday Noon Club
12:30 to 1:30 p.m.—Pacific Salon Orchestra
1:30 to 1:45 p.m.—Babette, fashion authority
1:45 to 2:45 p.m.—Bridge Party Hour
2:45 to 5 p.m.—Baseball from Recreation Park
5 to 5:30 p.m.—Who's Who
5:30 to 5:45 p.m.—Golden Gate Crier
5:45 to 6 p.m.—News items
6 to 7 p.m.—Old Gold program, CBS
7 to 8 p.m.—Voice of Columbia, CBS
8 to 9 p.m.—Wrigley Hour, CBS
9 to 9:30 p.m.—Pacific Salon Orchestra
9:30 to 10 p.m.—Paul Bunyan Stories, ABC
10 to 11 p.m.—Philharmonic Orchestra, ABC
11 to 12 midnight—Vic Meyers' orchestra, ABC

285.5 Meters
1050 Kcys.

KNX

Channel 105
5000 Watts

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

- 6:45 to 8 a.m.—Health exercises
8 a.m.—Talk and morning prayer
9 to 9:30 a.m.—Musical program
9:30 to 10 a.m.—Shopping news
10 a.m.—Town Crier's morning message
10:30 a.m.—Household economics
11 to 11:30 a.m.—French lesson by Edgard Leon
12 noon to 12:30 p.m.—Musical program
12:30 to 12:45 p.m.—W. F. Alder travelogue
1:30 to 2 p.m.—The Bookworm
2 to 2:30 p.m.—Courtesy program
4 p.m.—Lost and found announcements
4 to 4:15 p.m.—Garden talk by D. R. Kruckeberg
4:25 p.m.—Stock market reports
5 to 5:45 p.m.—"Own Your Own Home"
5:45 to 6 p.m.—Town Crier's amusement tips
6 to 6:30 p.m.—Organ program
6:30 to 7 p.m.—KNX String Quartet
7 to 7:30 p.m.—Dr. Mars Baumgardt
7:30 to 8 p.m.—Albert Sheetz program
8 to 9 p.m.—Hercules Gasoline program
9 to 9:30 p.m.—Maytag So-A-Tone broadcast
9:30 to 10 p.m.—Feature program
10 p.m. to 12 midnight.—Hotel Ambassador orch.
12 midnight to 1 a.m.—Parado Club dance hour

260.7 Meters
1150 Kcys

KJBS

Channel 115
100 Watts

J. Brunton & Sons, San Francisco, Calif.

- 7 to 8 a.m.—Early Bird hour
8 to 9 a.m.—Instrumental recordings
9 to 9:30 a.m.—Embassy popular program
9:30 to 10:45 a.m.—Popular recordings
10:45 to 11 a.m.—Dr. Wiseman, health talk
11 to 12 noon—Favorite recordings
12 to 1 p.m.—Record varieties
1 to 1:30 p.m.—Raymond Melodists
1:30 to 3 p.m.—Record program
3 to 4 p.m.—Barbara Dalley and Doris Barclay
4 to 5 p.m.—Requested records
5 to 6 p.m.—Record varieties
6 to 6:30 p.m.—The Bluebird Boys—Fred McKinley and Bob Close

TUESDAY Programs

239.9 Meters
1250 Kcys. **KFOX** Channel 125
1000 Watts
Nichols & Warinner, Long Beach, Calif.

8 to 8:15 a.m.—"Tadpole," the Buttercream Boy
8:15 to 8:45 a.m.—Bright and Early Hour
8:45 to 9:20 a.m.—Novelty program
9:50 to 10 a.m.—Spanish program
10 to 10:10 a.m.—Hawaiian program
10:10 to 10:20 a.m.—Popular songs
10:20 to 10:30 a.m.—Salon music
10:30 to 10:50 a.m.—Organ recital
10:50 to 11 a.m.—"Clarence"
11 to 11:10 a.m.—Beauty talk
11:10 to 11:30 a.m.—Banjo recordings
11:30 to 11:50 a.m.—Early news report
11:50 to 12 noon—Musical numbers
12 to 12:30 p.m.—"Gene and Bill"
12:30 to 1 p.m.—Foster Rucker; Louise Church
1 to 1:30 p.m.—Kiwanis Club luncheon
1:30 to 2 p.m.—Heinie Dorner; Eva Balfour;
Doris Dolan
2 to 2:15 p.m.—Health talk
2:15 to 2:30 p.m.—Music
2:30 to 4 p.m.—Long Beach Municipal Band
4 to 4:30 p.m.—Musical program; news
4:30 to 5 p.m.—Old time dance music
5 to 5:30 p.m.—Poster Rucker; Louise Church
5:30 to 6 p.m.—String trio
6 to 6:05 p.m.—Lost and found department
6:05 to 6:45 p.m.—Supper Club
6:45 to 7 p.m.—Talk by tubercular specialist
7 to 7:30 p.m.—Sunset Harmony Boys
7:30 to 8 p.m.—Rhythm Makers
8 to 8:30 p.m.—Old time fiddlers
8:30 to 9 p.m.—Long Beach Municipal Band
9 to 9:30 p.m.—Operatic program
9:30 to 10:30 p.m.—Fights from Olympic Auditorium
10:30 to 11 p.m.—Foster Rucker, baritone; Eleanor Sammons, soprano; Louise Church, pianist
11 to 12 midnight—Organ recital, Dick Dixon

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

6:45 to 7 a.m.—Inspirational services
7 to 7:30 a.m.—Sunrise Pep Period
7:30 to 8 a.m.—Myrrhol Musical Klock
8 to 9 a.m.—Shell Happy Time hour
9 to 10 a.m.—Household Service
10 to 10:30 a.m.—Sara Leigh's Women's Hour
10:30 to 11:30 a.m.—Woman's Magazine of the Air, NBC
11:30 to 11:45 a.m.—Park Bench, NBC
11:45 to 12 noon—Fleischmann Yeast, NBC
12 to 1 p.m.—Chamber of Commerce luncheon
1 to 1:30 p.m.—Miss Modern
1:30 to 2 p.m.—Fur Facts
2 to 2:30 p.m.—Gems from Sartori
2:30 to 3 p.m.—Musical program
3 to 4 p.m.—Wayside Inn, NBC
4 to 4:30 p.m.—Voters' service, NBC
4:30 to 4:45 p.m.—Empire Home Hints
4:45 to 5 p.m.—Jones Happy Time
5 to 6 p.m.—Service Hour
6 to 7 p.m.—Eveready program (transc.), NBC
7 to 7:30 p.m.—Clickquot Club Eskimos, NBC
7:30 to 8 p.m.—Freed-Elsemann, NBC
8 to 9 p.m.—Radio-Keith Orpheum hour, NBC
9 to 9:15 p.m.—Alice in Laundreland
9:15 to 9:30 p.m.—Sports and news
9:30 to 10 p.m.—Sprague Investment Co.
10 to 11 p.m.—Concert orchestra

545.1 Meters
550 Kcys. **KTAB** Channel 55
500 Watts
Pickwick Broadcasting Co., Oakland, Calif.

8 to 9 a.m.—Ray Raymond's Tabloids
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's Country Store
10:30 to 11 a.m.—Chats with Ruth
11 to 12 noon—Popular recordings
12 to 1 p.m.—George Otto's Hawaiians
1 to 1:30 p.m.—Organ recital
1:30 to 2:30 p.m.—Recordings
2:30 to 3 p.m.—Carlson and Moran
3 to 4 p.m.—Pickwick Versatilians
4 to 5 p.m.—KTAB Salon Orchestra
5 to 6 p.m.—Brother Bob's Frolic
6 to 6:15 p.m.—Studio program
6:15 to 6:30 p.m.—Talk by E. K. Sturgis
6:30 to 7 p.m.—Twilight Hour
7 to 8 p.m.—States Restaurant Orchestra
8 to 8:15 p.m.—Careers for Women
8:15 to 9:15 p.m.—KTAB Salon Orchestra
9:15 to 10:15 p.m.—Pickwick Versatilians
10:15 to 11 p.m.—Ben Swett's Cadets, dance music
11 to 1 a.m.—Night Owls

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

7:30 to 8 a.m.—Physical culture period
8 to 9 a.m.—KHJ "Early Birds"
9 to 9:15 a.m.—"Dip-It" program
9:30 to 10 a.m.—Antrol Laboratories program
10 to 10:15 a.m.—U. S. C. Chapel hour
10:15 to 11:15 a.m.—A. White, "At Our House"
11:15 to 11:30 a.m.—Recordings
11:30 to 12 noon—"Two Starving Song Writers"
12 to 12:30 p.m.—Biltmore Hotel Concert Orch.
12:30 to 12:45 p.m.—World-wide news
12:45 to 1:30 p.m.—Advertising Club luncheon
1:30 to 2 p.m.—Charlie Wellman's requests
2 to 2:30 p.m.—Trojan half hour, U. of S. C.
2:30 to 3 p.m.—Street and Highway Safety
3 to 4 p.m.—Matinee Melody Masters
4 to 4:30 p.m.—Dr. Frank McCoy, health talk
4:30 to 5 p.m.—Studio program
5 to 5:30 p.m.—KHJ Quintet
5:30 to 6 p.m.—Quintet program
6 to 6:45 p.m.—Orchestra and singers
6:45 to 7 p.m.—World-wide news
7 to 7:30 p.m.—Pelton Motor Co. program
7:30 to 8 p.m.—Playlet, featuring Edw. Murphy
8 to 9 p.m.—So. Cal. Edison hour
9 to 10 p.m.—Forest Lawn Park program
10 to 12 midnight—Biltmore Hotel dance orch.
12 to 1 a.m.—Organ and variety program

239 Meters
1250 Kcys. **KXL** Channel 125
500 Watts
KXL Broadcasters, Inc., Portland, Ore.

6 to 8 a.m.—Breakfast concert
8 to 9 a.m.—Morning radio clock
9 to 10 a.m.—Early Birds
10 to 12 noon—Home economics and music
12 to 2:30 p.m.—Afternoon presentations
2:30 to 3 p.m.—Half hour of better music
3 to 5 p.m.—Popular musical selections
5 to 6 p.m.—Rural request program
7 to 7:30 p.m.—Grandpa Bulger's children's hour
7:30 to 8 p.m.—Vesper music
8 to 8:30 p.m.—Studio program
8:30 to 9:30 p.m.—Church of the Nazarene
9:30 to 10 p.m.—Studio program
10 to 11 p.m.—Multnomah Hotel Orchestra
11 to 12 midnight—Variety hour
12 to 6:30 a.m.—All Nighters' Club

TUESDAY Programs

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

Oakland Educational Society, Oakland, Cal.
8 to 9 a.m.—Max's Market and Health Hour
11 to 12 noon—Scharlin and Wright, Joy Makers
1:30 to 2:30 p.m.—Edna's Entertainment Hour
2:30 to 3 p.m.—A Kingdom Message, "Judgment and Work of the Church," C. R. Welch
3 to 3:30 p.m.—Opera, Wright and Ralston
3:30 to 4 p.m.—Treasure Hour, Wright and Ralston
4 to 5 p.m.—Musical program
5 to 5:50 p.m.—Big Brother Walter
5:50 to 6 p.m.—Kingdom or World News
7 to 8 p.m.—Doc Herrold
8 to 8:30 p.m.—Watch Tower program: Bible lecture, C. W. Gerdes
9 to 10 p.m.—Musical program presented under the direction of R. A. Joy
10 to 11 p.m.—The Wanderers

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

Radio Entertainments, San Francisco, Calif.
7 to 8 a.m.—Health exercises by Cal King
9 to 9:30 a.m.—Country Store
9:30 to 10 a.m.—Musical program
10 to 10:30 a.m.—Charlie Glenn, songs
10:30 to 11 a.m.—Studio program
12 to 1 p.m.—Hooligans' luncheon program
1 to 1:30 p.m.—Cal King's Country Store
6 to 6:55 p.m.—Dinner hour program
6:55 to 7 p.m.—Police reports of missing people
8:30 to 9 p.m.—Hank Blank, Pal of the Air

325.9 Meters **KOMO** **Channel 92**
920 Kcys. **1000 Watts**

Fisher's Blend Station, Seattle, Washington
7:55 a.m.—Inspirational services
8 a.m.—Shell Happy Time
9 a.m.—Theatre organ recital
9:35 a.m.—Mandarin Sauce Co.
9:45 a.m.—Prudence Penny
10 a.m.—Maytag So-A-Tone broadcast
10:30 a.m.—Woman's Magazine of the Air, NBC
11:30 a.m.—Park Bench, NBC
11:45 a.m.—Fleischmann program, NBC
12 noon—Farm flashes, grain reports
12:15 p.m.—Orchestra, Rhena Marshall, soprano
12:45 p.m.—Constance Cook
1 p.m.—Orchestra, with Rhena Marshall
1:30 p.m.—Orchestra, Alice Maclean, Joy Boys
3 p.m.—Wayside Inn, NBC
4 p.m.—Voters' Service, NBC
4:30 p.m.—Orchestra, Rhena Marshall, Jimmie Ridde
5 p.m.—Kiddies' program
5:30 p.m.—Stock and bond quotations
5:45 p.m.—News flashes
6 p.m.—Eveready hour, NBC
7 p.m.—Clicquot Club Eskimos, NBC
7:30 p.m.—Freed-Eisemann, NBC
8 p.m.—Radio-Keith Orpheum hour, NBC
9 p.m.—Orchestra; James Harvey and Rhena Marshall, duets
9:30 p.m.—Orchestra; Betty Anderson, soprano
10:30 p.m.—Orchestra; Walter Reseburg, James Harvey
11 p.m.—Studio program
12 midnight—Late news
12:15 to 12:30 a.m.—Comic readings by George Godfrey

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

Warner Brothers, Hollywood, California

9:30 a.m.—Harmony hour
11 a.m.—Shoppers' directory
12:30 p.m.—Air Journal
1:30 p.m.—Housekeepers' Chat
1:50 p.m.—Ann Grey in popular songs; Don Warner in piano solos
2:15 p.m.—Baseball game
4:30 p.m.—Radio Travel Tales
5 p.m.—Radio Review
5:45 p.m.—Town Tattler
6:20 p.m.—Musical program
6:30 p.m.—Harry Jackson's entertainers
7 p.m.—Hollywood Athletic Club
7:30 p.m.—Don Warner in piano solos
7:45 p.m.—Daily news
8 p.m.—Wrigley program from Chicago over the Columbia Broadcasting System featuring Guy Lombardo's Royal Canadians and Wendell Hall
9 p.m.—Edgeworth Club program
9:30 p.m.—Boxing bout from Olympic Auditorium
10:30 p.m.—Amos 'n' Andy
10:40 p.m.—Henry Halstead's orchestra
11:40 to 12:40 a.m.—Roy Fox's Orchestra

361.2 Meters **KOA** **Channel 83**
830 Kcys. **12,500 Watts**

General Electric Co., Denver, Colorado
4 to 4:30 p.m.—Voters' service, NBC
4:30 to 5 p.m.—Fundamentals of the Law, NBC
5 to 5:30 p.m.—Stromberg-Carlson, NBC
5:30 to 5:55 p.m.—Farm question box
5:55 to 6 p.m.—Answers on financial questions
6 to 7 p.m.—Eveready hour, NBC
7 to 7:30 p.m.—Clicquot Club Eskimos, NBC
7:30 to 8 p.m.—Freed-Eisemann Orchestradians, NBC
8 to 9 p.m.—Radio, Keith-Orpheum hour, NBC
9 to 9:30 p.m.—Tom Mitchell's Half Hour of Happiness

526 Meters **KXA** **Channel 57**
570 Kcys. **500 Watts**

American Radio Tel. Co., Seattle, Wash.
10 to 10:15 a.m.—Inspirational services
10:30 to 11 a.m.—Our Sunshine Hour
11 to 11:15 a.m.—Youth Always program
11:15 to 12 noon—Our Sunshine hour
12 to 12:30 p.m.—Semi-classical records
12:30 to 1:30 p.m.—Ad. Club of Seattle luncheon
1:30 to 3 p.m.—Popular recorded program
3 to 4 p.m.—Bridge hour
4 to 5 p.m.—Hawaiian recordings
5 to 6 p.m.—Popular recorded program
6 to 7 p.m.—Slim Secord's Hot-En-Tots
7 to 7:30 p.m.—Hugh Baird travelogue
7:30 to 7:45 p.m.—National Health Forum
7:45 to 8 p.m.—Evanson Fur program
8 to 9 p.m.—Dixon's Nite Owls; the Gypsies
9 to 10 p.m.—Seattle Pacific College
10 to 11 p.m.—Glen Carter's Merrymakers; Daisy Brunt, soloist

232.6 Meters **KDYL** **Channel 129**
1290 Kcys. **1000 Watts**

Intermountain Broad. Corp., Salt Lake City
6 p.m.—Paul Whiteman's band, CBS
7 p.m.—"Voice of Columbia," CBS
8 p.m.—Guy Lombardo and his Royal Canadians, CBS
9 p.m.—Favorite local entertainers
10 p.m.—American Philharmonic Orchestra, ABC
11 p.m.—Vic Meyers' Orchestra, ABC

WEDNESDAY Programs

April 3, 1929



Merton Bories
KFO—9:00 p. m.



Emma Kimmel
KFWB—8:00 p. m.



Dr. A. R. Nash
KGO—5:00 p. m.



Carl Tobin
KTAB—7:30 p. m.

379.5 Meters
790 Kcys.

KGO

Channel 79
10,000 Watts

General Electric Co., Oakland, California

- 9:30 to 10:30 a.m.—California Home Life
10:30 to 11:30 a.m.—Woman's Magazine of the Air, NBC
11:30 to 1 p.m.—Rembrandt Trio
1 to 2 p.m.—Pacific Vagabonds, NBC
2 p.m.—S. F. and N. Y. stocks
2:15 p.m.—U. S. Dept. of Commerce talk
3 to 4 p.m.—The Cabin Door, NBC
5 to 5:15 p.m.—Dr. Albertine Richards Nash, consulting psychologist
5:15 to 5:30 p.m.—Feature talk
5:30 to 6 p.m.—S. F. and N. Y. stocks; S. F. produce
6 to 6:30 p.m.—“Paul Revere”
6:30 to 7:30 p.m.—Palmolive Hour, NBC
7:30 to 8 p.m.—Gold Strand program, NBC
8 to 8:30 p.m.—Jack and Ethyl, the motor mates, NBC
8:30 to 9 p.m.—The Three Boys
9 to 9:30 p.m.—Parisian quintet
Quintet—Polonaise MilitaireChopin
Two violins and piano—Angel's Serenade.....
.....Braga
Quintet—
Molto Moderato quasi lento, from quintet
in F minor.....Franck
LiebesfreudKreisler
An Old Portrait.....Crist
9:30 to 10 p.m.—“Songs and the Singer,” Nullo
Caravacci, tenor; selections, A Vucchella, Primavera, Sylvia, Your Song from Paradise, Ay, Ay, Ay, Princesita
10 to 12 midnight—The Trocaderans, NBC

322.4 Meters
930 Kcys.

KFWM

Channel 93
500 Watts

Oakland Educational Society, Oakland, Cal.

- 8 to 9 a.m.—Max's Market and Health Hour
2:30 to 3:30 p.m.—Organ recital, Charlotte Lenhart; health talk, Mrs. Alston Yuille
4:30 to 5 p.m.—Musical program
5 to 5:50 p.m.—Big Brother Walter
5:50 to 6 p.m.—Kingdom or World News
7 to 8 p.m.—Doc Herrold
8 to 8:30 p.m.—Bible dialogue, “Bill and Ed on Hell”

545.1 Meters
550 Kcys.

KTAB

Channel 55
500 Watts

Pickwick Broadcasting Co., Oakland, Calif.

- 8 to 9 a.m.—Ray Raymond's Tabloids
9 to 9:30 a.m.—Morning prayer
9:30 to 10 a.m.—Records
10 to 10:15 a.m.—Dr. B. L. Corley
10:15 to 11 a.m.—Classified and recordings
11 to 11:30 a.m.—Helen Size, soprano
11:30 to 12 noon—Studio program
12 to 1 p.m.—George Otto's Hawaiians
1 to 1:30 p.m.—Organ recital
1:30 to 2 p.m.—Dr. Tindall's Bible talks
2 to 2:30 p.m.—Recordings
2:30 to 3 p.m.—Carlson, Dorman and Moran
3 to 4 p.m.—Pickwick Versatilians
4 to 5 p.m.—KTAB Salon Orchestra
5 to 6 p.m.—Brother Bob's Frolic
6 to 6:30 p.m.—Don Jeffries
6:30 to 7 p.m.—Twilight Hour
7:15 to 7:30 p.m.—Finance talks, E. K. Sturgis
7:30 to 8 p.m.—Carl Tobin, tenor
8 to 9 p.m.—250th Coast Artillery program
9 to 10 p.m.—KTAB Salon Orchestra
10 to 11 p.m.—Pickwick Versatilians
11 to 1 a.m.—Nite Owls

315.6 Meters
950 Kcys.

KFWB

Channel 95
1000 Watts

Warner Brothers, Hollywood, California

- 8 a.m.—Breakfast Club program
9:30 a.m.—Harmony hour
11 a.m.—KFWB Shoppers' Directory
12:30 a.m.—Air Journal
1:30 p.m.—Housekeepers' Chat
1:50 p.m.—Ann Grey and Louise Lynch, popular songs; Don Warner, pianist
2:15 p.m.—Baseball game
4:30 p.m.—Radio Travel Tales
5 p.m.—Radio Review
5:45 p.m.—Town Tattler
6:20 p.m.—Musical program
6:30 p.m.—Harry Jackson's entertainers
7 p.m.—Ray Bailey's quintet
7:30 p.m.—Don Warner, piano solos
7:45 p.m.—Daily news
8 p.m.—Concert orchestra; Emma Kimmel, soprano; Charles Beauchamp, tenor
9 p.m.—A recreated world championship fight
10 p.m.—Henry Halstead's orchestra
11 to 12 midnight—Roy Fox's orchestra
12 to 12:40 a.m.—Harry Q. Mills, organist

WEDNESDAY Programs

NBC

National Broadcasting Company

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

With spring gardening claiming the attention of many, Helen Webster will devote her Fuller feature to painting garden implements when she speaks this morning. How to brighten the porch also will be described by Miss Webster.

Broadcast through KHQ, KOMO (11 to 11:30 a. m.); KGW, KGO, KPO and KFI.

1 to 2 p.m.—Pacific Vagabonds

During this matinee hour of light music, the Pacific Vagabonds will be conducted by Max Dolin in a program including La Come's "La Zarzuela," Woods' "Happy Humming Bird," Pollack's "Poor Punchinello" and the still popular "St. Louis Blues."

Broadcast through KHQ, KOMO, KGW and KGO.

3 to 4 p.m.—The Cabin Door

Southern melodies will be featured again this afternoon.

"Mandy" and "Ezie" are too well known to radio enthusiasts to need their amusing patter reviewed and their "fan" mail proves them favorites. "Willie," the incorrigible brother, shares honors with the older folk. Guests at the cabin will present songs and dances to amuse the radio audience in a fashion a little out of the ordinary.

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

6:30 to 7:30 p.m.—Palmolive Hour

Following the opening ensemble number, Olive Palmer, soprano, and Paul Oliver, tenor, will blend their voices in the strains of "Whip-poorwill."

The orchestra will continue the program with "Haystraw." During the ensuing portion of the hour listeners will hear the popular Revelers in three quartet selections, one of which will be "I Would Rather Be Alone in the South," several light classical and modern syncopated numbers by the orchestra, and Miss Palmer and Elizabeth Lennox, contralto, in "Blue Waters."

Vocal solos by Miss Palmer and Oliver include the old Swedish folk song, "When I Was Seventeen," by the former, and "A Little Bit of Heaven" by the latter.

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

7:30 to 8 p.m.—Gold Strand program

Conducted by Gustave Haeschen, the Gold Strand Orchestra and vocalists will present another thirty-minute program of music.

Fred Vettel, heard every week on these programs, will contribute one solo, while a guest soloist, Lois Lorraine, will sing a popular tune, "Don't Be Like That."

Details follow:

Orchestra	By My Fireside
Orchestra	Juba Dance
Orchestra	Marle
Vocal solo	Homing
Vocal solo	Don't Be Like That

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

8 to 8:30 p.m.—"Roads to Romance"

Santa Cruz, romantic Carmel-by-the-Sea, and Monterey on the jewel-like bay which

bears its name, will be visited by Jack and Ethyl tonight.

So closely is California's early history woven about that district with its famous mission that Jack and Ethyl have chosen the institution's founding as their theme. The arrival of the adventuresome padre, Junipero Serra, is the outstanding story to be told, having as it did a tremendous effect upon the development of the Golden State. The Serra story will be developed in an old Spanish musical setting.

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

8:30 to 9 p.m.—The Hill Billy Boys

Charles Marshall, with his partner and all of his instruments, will be on the air from 8:30 to 9 o'clock tonight.

Marshall has several new interpretations he will present. Some of these will be the old folk songs of the South and others will be of latest song hits.

Broadcast through KHQ.

10 to 12 midnight—Dance music by the Trocaderoans, who play under the leadership of Frank Ellis, will be broadcast from 10 to 12 through KGO; from 10 to 11 through KFI, KSL and KOA, and from 11 to 12 through KPO.

333.1 Meters

900 Kcys.

KHJ

Channel 90

1000 Watts

Don Lee, Inc., Los Angeles, California

7:30 to 8 a.m.—Physical culture period

8 to 9 a.m.—"The Alarm Clock"

9 to 9:55 a.m.—Late recordings

9:55 to 10:15 a.m.—U. S. C. Chapel period

10:15 to 11:15 a.m.—A. White, "At Our House"

11:15 to 11:30 a.m.—Klein's Harmonica Trio

11:30 to 12 noon—"Two Starving Song Writers"

12 to 12:30 p.m.—Biltmore Hotel Concert Orch.

12:30 to 12:45 p.m.—World-wide news

12:45 to 1:30 p.m.—Optimist Club luncheon

1:30 to 2 p.m.—Charlie Wellman's requests

2 to 2:30 p.m.—Studio program

2:30 to 3 p.m.—Public Library talk

3 to 4 p.m.—Matinee Melody Masters

4 to 5 p.m.—Fred C. McNabb, "Gardens"

5 to 5:30 p.m.—"Monkey Business"

5:30 to 6 p.m.—Organ recital

6 to 6:45 p.m.—Orchestra and singers

6:45 to 7 p.m.—World-wide news

7 to 7:30 p.m.—Program from KFRC

7:30 to 8 p.m.—Brown & Haley program

8 to 9 p.m.—Buick program from KFRC

9 to 10 p.m.—Smallman A. Cappella Choir

10 to 12 midnight—Burtnett's Biltmore Dance Orchestra

12 to 1 a.m.—Organ and variety program

260.7 Meters

1150 Kcys

KJBS

Channel 115

100 Watts

J. Brunton & Sons, San Francisco, Calif.

7 to 8 a.m.—Early Bird hour

8 to 9 a.m.—Favorite recordings

9 to 9:30 a.m.—Embassy popular program

9:30 to 10:30 a.m.—Orthophonic recordings

10:30 to 11 a.m.—Cressy Ferra, jazz pianist

11 to 12 noon—Instrumental recordings

12 to 12:30 p.m.—Variety record program

12:30 to 1 p.m.—Talk on aviation

1 to 1:45 p.m.—Raymond Melodists

1:45 to 2 p.m.—Dr. Wiseman, health talk

2 to 3 p.m.—Popular recordings

3 to 3:15 p.m.—Mahra, the Great

3:15 to 4 p.m.—Red Seal records

4 to 5 p.m.—Art Fadden, pianist

5 to 5:30 p.m.—Vocal recordings

5:30 to 6:30 p.m.—Dinner music

WEDNESDAY Programs

**440.9 Meters
680 Kcys.**

KPO

**Channel 68
5000 Watts**

Hale Bros. & The Chronicle, San Francisco

- 6:45 to 8 a.m.—Health exercises by Hugh Barrett Dobbs, assisted by William H. Hancock
- 8 to 9 a.m.—Shell Happy Time, by Hugh Barrett Dobbs and William H. Hancock and Horace Heidt's orchestra
- 9:30 to 10 a.m.—Dobbsie's daily chat; Lou Foote's orchestra
- 10 to 10:30 a.m.—Betty Crocker's home talk
- 10:30 to 11:30 a.m.—Woman's Magazine of the Air, NBC
- 11:30 to 12 noon—Ye Towne Cryer
- 12 to 12:10 p.m.—Scripture reading; announcements
- 12:10 to 1 p.m.—Aeolian Trio
- 1 to 1:30 p.m.—Jerry Jermaine for Hale Bros.
- 1:30 to 2 p.m.—Anne Warner's home chats
- 2 to 2:30 p.m.—House of Dreams, conducted by Paul Pitman with Flori Gough, cellist
- 2:30 to 2:45 p.m.—Secrets for women only
- 2:45 p.m.—Stock market quotations
- 3 to 4 p.m.—The Cabin Door, NBC
- 4:50 p.m.—Stock market quotations
- 5 to 6 p.m.—Children's hour, Big Brother
- 6 to 6:30 p.m.—Aeolian Trio and vocal soloist
- 6:30 to 7:30 p.m.—Palmolive, NBC
- 7:30 to 8 p.m.—Gold Strand program, NBC
- 8 to 8:30 p.m.—"Jack and Ethyl," NBC
- 8:30 to 9 p.m.—Baldwin McGaw Players
- 9 to 9:30 p.m.—Program by Merton Bories
- 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 12 midnight—The Trocaderans, NBC

**325.9 Meters
920 Kcys.**

KOMO

**Channel 92
1000 Watts**

Fisher's Blend Station, Seattle, Washington

- 7:55 a.m.—Inspirational services
- 8 a.m.—Shell Happy Time
- 9 a.m.—Organ recital
- 9:50 a.m.—Health exercises
- 10:05 a.m.—Mandarin Sauce
- 10:15 a.m.—What to Prepare for Dinner
- 10:30 a.m.—Organ recital
- 11 a.m.—Woman's Magazine of the Air, NBC
- 11:30 a.m.—Joy Boys
- 12 noon—Farm flashes, grain reports
- 12:15 p.m.—Orchestra; Fred Lynch, tenor
- 12:45 p.m.—Constance Cook
- 1 p.m.—Pacific Vagabonds, NBC
- 2 p.m.—Orchestra; Rhena Marshall, soprano
- 3 p.m.—The Cabin Door, NBC
- 4 p.m.—Orchestra; Alice Maclean, soprano
- 5 p.m.—Kiddies' program
- 5:30 p.m.—Stock and bond quotations
- 5:45 p.m.—News flashes
- 6 p.m.—Novelty orchestra
- 6:30 p.m.—Palmolive Hour, NBC
- 7:30 p.m.—Gold Strand program, NBC
- 8 p.m.—Roads to Romance, NBC
- 8:30 p.m.—Orchestra, with Hewe Helne, contralto
- 9:15 p.m.—Male quartet; Ina Mitchell, soprano
- 10 p.m.—Fisher's Blend Flour hour
- 11 p.m.—News flashes
- 11:15 p.m.—Male quartet
- 11:30 to 12:30 a.m.—Orchestra; James Harvey, tenor

**491.5 Meters
610 Kcys.**

KFRC

**Channel 61
1000 Watts**

Don Lee, Inc., San Francisco, Calif.

- 7 to 8 a.m.—"Simp'y Fitts"
- 8 to 9 a.m.—Embassy Theater program
- 9 to 9:30 a.m.—Georgia O. George
- 10 to 11 a.m.—Wyn's daily chats
- 11 to 11:30 a.m.—Mary Lewis Haines talk
- 11:30 to 12 noon—Amateur auditions
- 12 to 1 p.m.—Sherman, Clay noonday concert
- 1 to 1:30 p.m.—Ada Day beauty talk
- 3 to 4 p.m.—Matinee concert
- 4 to 4:30 p.m.—Educational period
- 4:30 to 4:45 p.m.—Something about everything
- 4:45 to 4:55 p.m.—News and lost and found
- 4:55 to 5 p.m.—Town topics
- 5 to 5:30 p.m.—Mac and his gang
- 5:30 to 6 p.m.—Emporium's children's hour
- 6 to 7 p.m.—Concert orchestra and Carolinans
- 7 to 7:30 p.m.—Program featuring the Pearce Brothers
- 7:30 to 7:55 p.m.—Maytag So-A-Tone
- 7:55 to 8 p.m.—Weather Bureau frost warning
- 8 to 9 p.m.—Buick Boosters' program
- 9 to 10 p.m.—John Smallman A'Capella Choir
- 10 to 11 p.m.—Hotel Mark Hopkins Orchestra
- 11 to 12 midnight—New Mandarin Cabaret Band

**361.2 Meters
830 Kcys.**

KOA

**Channel 83
12,500 Watts**

General Electric Co., Denver, Colorado

- 5 to 5:30 p.m.—Vacuum Oil program, NBC
- 5:30 to 6 p.m.—Tom Mitchell's Half Hour of Happiness
- 6 to 6:30 p.m.—Ipana Troubadours, NBC
- 6:30 to 7:30 p.m.—Palmolive hour, NBC
- 7:30 to 8 p.m.—Gold Strand program, NBC
- 8 to 8:30 p.m.—Conoco Pace Setters
- 8:30 to 9 p.m.—Colorado Fuel and Iron Co.
- 9 to 9:30 p.m.—March orchestra and "The Collegiates"
- 9:30 to 10 p.m.—In the Garden—A College Campus. Numbers: Collegiate, Doin' the Raccoon, Varsity Drag, Sweetheart of Sigma Chi, etc.
- 10 to 11 p.m.—The Trocaderans, NBC

**265.3 Meters
1130 Kcys.**

KSL

**Channel 113
5000 Watts**

Radio Service Corp., Salt Lake City, Utah

- 5:30 p.m.—Katherine Fisher, pianist
- 6 p.m.—Mamie Stark
- 6:25 p.m.—Financial advice
- 6:30 p.m.—"Palmolive" hour, NBC
- 7:30 p.m.—Gold Strand Orchestra, NBC
- 8 p.m.—Variety program of old favorites, with Charles Kent, minstrel, assisted by Donald Cope and Frank Cole, violinists; Frances Osborne, pianist
- 8:30 p.m.—Symphony orchestra
- 9 p.m.—Concert ensemble
- 10 p.m.—Trocaderans, NBC

**230.6 Meters
1300 Kcys.**

KTBI

**Channel 130
1000 Watts**

Bible Institute of Los Angeles, California

- 8 to 8:15 a.m.—Uncle Harry's Bible story
- 8:15 to 8:45 a.m.—Devotional service
- 8:45 to 9:15 a.m.—Announcer's hour
- 9:15 to 9:45 a.m.—Radio Bible course
- 9:45 to 10:35 a.m.—Messages from the best books
- 10:35 to 11:30 a.m.—Doctrinal lecture
- 11:30 to 12 noon—Music
- 12 to 12:15 p.m.—Scripture reading
- 1 to 1:30 p.m.—Jack Wells and Delta Garlock
- 1:30 to 2 p.m.—Rev. Frank Durham
- 2 to 2:30 p.m.—Rev. William Duncan Ogg

WEDNESDAY Programs

243.8 Meters
1230 Kcys.

KYA

Channel 123
1000 Watts

Pacific Broadcasting Corp., San Francisco

7 to 8 a.m.—Vim, Vigor and Vitality, ABC
8 to 8:05 a.m.—Newscasting, ABC
8:05 to 9 a.m.—Anthony Euwer and Golden Hour Orchestra, 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.—KYA Trio
11 to 12 noon—California Sunshine Hour
12 to 12:15 p.m.—News items
12:15 to 12:30 p.m.—Metro and Cosmo, the Poll-tan Brothers
12:30 to 1:30 p.m.—Pacific Salon Orchestra
1:30 to 1:45 p.m.—Dr. Buren L. Corley
1:45 to 2:45 p.m.—Bridge Party Hour
2:45 to 5 p.m.—Baseball from Recreation Park
5 to 5:30 p.m.—Who's Who
5:30 to 6 p.m.—KYA Trio
6 to 6:15 p.m.—News items
6:15 to 6:45 p.m.—Golden Gate Cryer period
6:45 to 7 p.m.—Talk on Crime Prevention
7 to 7:30 p.m.—Kolster Hour, CBS
7:30 to 8 p.m.—Applebury dramatic ske ch, ABC
8 to 8:30 p.m.—Carter's Happiness program, KYA, KMTR
8:30 to 9 p.m.—Over Land and Sea, ABC
9 to 9:30 p.m.—Pacific Four and Trio, ABC
9:30 to 10 p.m.—Kenin's Capers, ABC
10 to 11 p.m.—Sleepy Time, ABC
11 to 12 p.m.—Golden Gate Gypsies, Herman Kenin directing, Yvonne Petersen and Helen Troy, ABC

239.9 Meters
1250 Kcys.

KFOX

Channel 125
1000 Watts

Nichols & Warinner, Long Beach, Calif.

8 to 8:15 a.m.—"Tadpole," the Buttercream Boy
8:15 to 8:45 a.m.—Bright and Early Hour
8:45 to 9:20 a.m.—Novelty program
9:20 to 9:50 a.m.—Organ recital
9:50 to 10 a.m.—Spanish program
10 to 10:10 a.m.—Hawaiian program
10:10 to 10:20 a.m.—Popular songs
10:20 to 10:30 a.m.—Salon music
10:30 to 10:50 a.m.—Popular dance music
10:50 to 11 a.m.—"Clarence"
11 to 11:10 a.m.—Beauty talk, Mae Day
11:10 to 11:50 a.m.—Banjo recordings; news
11:50 to 12 noon—Musical numbers
12 to 12:30 p.m.—"Gene and Bill"
12:30 to 1 p.m.—Louise Church and Maud Irvine
1 to 1:30 p.m.—Rotary luncheon
1:30 to 2 p.m.—Cecil Fry
2 to 2:30 p.m.—Health talk; music
2:30 to 4 p.m.—Long Beach Municipal Band
4 to 4:30 p.m.—Musical program; news
4:30 to 5 p.m.—Dick Love's orchestra
5:30 to 6 p.m.—String trio
6 to 6:05 p.m.—Lost and found department
6:05 to 6:30 p.m.—Supper Club
6:30 to 7 p.m.—Motor Tires Quartette
7 to 7:30 p.m.—Minstrel show
7:30 to 8 p.m.—Rhythm Makers
8 to 8:30 p.m.—Jones Orchestra
8:30 to 9 p.m.—Long Beach Municipal Band
9 to 9:45 p.m.—Orchestra and Warner Duo
9:45 to 10:30 p.m.—Fights from Wilmington Bowl
10:30 to 11 a.m.—Rhythm Makers
11 to 12 midnight—Organ recital

340.7 Meters
880 Kcys.

KLX

Channel 88
500 Watts

Tribune Publishing Co., Oakland, Calif.

7 to 8 a.m.—Exercises
8 to 9 a.m.—Jean Kent
9 to 9:30 a.m.—Recordings
9:30 to 9:40 a.m.—Belco talk
9:40 to 10:15 a.m.—Recordings
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 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, organ recital
5 to 5:30 p.m.—Brother Bob
5:30 to 6 p.m.—Cressy Ferra, pianist
6 p.m.—Curtain calls
6:10 to 7 p.m.—Hotel Oakland Concert Trio
7 to 7:30 p.m.—News broadcast
7:30 to 8 p.m.—Studio program
8 to 9 p.m.—Educational hour—World news by Ad Schuster; music talk by Roy Harrison Danforth; book reviews by the Bookworm; commercial law talk by Attorney Milton W. Dobrzynski, and piano solos by Helen Wegman Parmelee
9 to 9:30 p.m.—Kanteen Kapers
9:30 to 10 p.m.—Helen W. Parmelee, pianist; Nellie Clark Alsing, soprano, and Frank Van Cleave, tenor

285.5 Meters
1050 Kcys.

KNX

Channel 105
5000 Watts

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

6:45 to 8 a.m.—Health exercises
8 a.m.—Talk and morning prayer
9 to 9:30 a.m.—Musical program
9:30 to 10 a.m.—Shopping news
10 a.m.—Town Crier's morning message
10:30 a.m.—Household economics
12 noon to 12:30 p.m.—Musical program
12:30 to 12:45 p.m.—W. F. Alder travelogue
1:30 to 2 p.m.—The Bookworm
2 to 2:30 p.m.—Courtesy program
2:30 to 3 p.m.—Talk on "Better Speech"
4 p.m.—Lost and found announcements
4:25 p.m.—Perfect eyesight without glasses
5 to 5:45 p.m.—"Own Your Own Home"
5:45 to 6 p.m.—Town Crier's amusement tips
6 to 6:30 p.m.—Playgoers' Club
6:30 to 7 p.m.—Program presenting the "Snow men"
7 to 7:30 p.m.—"Mr. and Mrs." radio skit
7:30 to 8 p.m.—Bert Butterworth and his Air-
dales
8:30 to 10 p.m.—Feature program
10 p.m. to 12 midnight—Hotel Ambassador orch.
12 midnight to 1 a.m.—Dorado Club dance hour

239 Meters
1250 Kcys.

KXL

Channel 125
500 Watts

KXL Broadcasters, Inc., Portland, Ore.

6 to 8 a.m.—Breakfast concert
8 to 9 a.m.—Morning Radio Clock
9 to 10 a.m.—Early Birds
10 to 12 noon—Home economics and music
12 to 2:30 p.m.—Afternoon presentations
2:30 to 3 p.m.—Half hour of better music
3 to 5 p.m.—Popular musical selections
5 to 6 p.m.—Rural request program
7 to 7:30 p.m.—Grandpa Bulger's children's hour
7:30 to 8 p.m.—Vesper music
8 to 11 p.m.—Rose City Beavers' Orchestra
11 to 12 midnight—Dwight Johnson's Multno-
mah Hotel Orchestra
12 to 6:30 a.m.—All night program

WEDNESDAY Programs

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

The Morning Oregonian, Portland, Oregon

- 7:15 to 1:30 a.m.—Y. M. C. A. health exercises
- 8 to 9 a.m.—Shell Happy Time
- 9 to 9:30 a.m.—Betty Baker's Cooking School
- 9:30 to 10 a.m.—Chamber of Commerce talk
- 10 to 10:30 a.m.—Town Crier
- 10:30 to 11:30 a.m.—Woman's Magazine of the Air, NBC
- 11:30 to 12 noon—Continuation of Town Crier
- 1 to 2 p.m.—Pacific Vagabonds, NBC
- 2 to 2:20 p.m.—Stock market quotations
- 2:20 to 2:45 p.m.—Studio program
- 2:45 to 3 p.m.—Talk on flowers and gardening
- 3 to 4 p.m.—Cabin Door, NBC
- 5:30 to 6 p.m.—Movie talk
- 6 to 6:15 p.m.—Music by Mat Howard
- 6:15 to 6:30 p.m.—Book chat by Richard Montgomery

- 6:30 to 7:30 p.m.—Palmolive program, NBC
- 7:30 to 8 p.m.—Gold Strand program, NBC
- 8 to 8:30 p.m.—Roads to Romance, NBC
- 8:30 to 9 p.m.—Historical drama
- 9 to 9:30 p.m.—Davidson Bakery program
- 9:30 to 10 p.m.—Maytag So-A-Tone program
- 10 to 11 p.m.—Fisher Concert Orchestra from KOMO

- 11 to 12 midnight—KGW Dance Band
- 12 to 12:15 a.m.—Oregonian news summary

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

First Baptist Church, San Jose, California

- 10 to 11 a.m.—The Helpful Hour
- 11 to 12:20 p.m.—Courtesy program
- 12:20 to 12:30 p.m.—Farm flashes
- 12:30 to 1 p.m.—Market and weather reports
- 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
- 3:30 to 3:45 p.m.—Fanchon's style chat
- 3:45 to 4:15 p.m.—Thirty minutes with W. K.
- 4:30 to 5 p.m.—Children's program
- 5 to 5:15 p.m.—Belco program
- 5:15 to 5:30 p.m.—Fifteen minutes at Franco's
- 5:30 to 6 p.m.—Studio program; Farm Forum
- 6 to 6:50 p.m.—Crop digest; announcements; crop reports
- 6:50 to 7 p.m.—Farmers' Exchange
- 7 to 8 p.m.—California Farm Bureau
- 8 to 9:30 p.m.—First Baptist Church

236.1 Meters **KOL** **Channel 127**
1270 Kcys. **1000 Watts**

Seattle Broadcasting Co., Seattle, Wash.

- 6:45 to 8:45 a.m.—Sunset's Musical Klock
- 8:45 to 9:45 a.m.—Program of general interest
- 9:45 to 10 a.m.—Housekeepers' Chat
- 10 to 12:30 p.m.—Popular recordings
- 12:30 to 1:30 p.m.—Rotary Club luncheon program
- 1:30 to 2 p.m.—Matinee melodies
- 2:30 to 4:30 p.m.—Baseball broadcast
- 4:30 to 5 p.m.—News items, weather report
- 5 to 6 p.m.—Service hour
- 6 to 7 p.m.—Dinner concert and newscasting
- 7 to 7:30 p.m.—Ken Stuart's half hour
- 7:30 to 8 p.m.—Madge Baldwin's "This and That"
- 8 to 9 p.m.—Dixie Old-Time String Band
- 9 to 9:15 p.m.—Amos n' Andy
- 9:15 to 10 p.m.—Pacific Trade program
- 10 to 11 p.m.—Studio program
- 11 to 12 midnight—Hotel Butler Indians

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

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- 8 a.m.—Shell Happy Time from KPO
- 10 a.m.—Betty Crocker, "Gold Medal Talks"
- 10:30 a.m.—Woman's Magazine of the Air, NBC
- 12 noon—Dept. of Agriculture talks
- 12:10 p.m.—Federal and state market reports
- 12:15 p.m.—Talk from the Sheriff's office
- 2 p.m.—Leon Archer, Margaret Meatheringham and Coral Tilton, Alfred Marion
- 3 p.m.—Inez Ingram, uke and song; Cliff Gunnig, tenor; Beulah Ellis, soprano
- 4 p.m.—Hugo Escobar, Spanish lessons; Bell Bridewell Dansie, soprano; Bee Allen, blues
- 5 p.m.—Big Brother
- 5:30 p.m.—Better America Federation, Colonel Smith
- 5:45 p.m.—Nick Harris, detective stories
- 6:15 p.m.—Police Commissioner W. G. Thorpe
- 6:30 p.m.—Palmolive program, NBC
- 7:30 p.m.—Gold Strand program, NBC
- 8 p.m.—Jack and Ethyl, Motormates, NBC
- 8:30 p.m.—Arrowhead Springs Water Co.
- 9 p.m.—Concert orchestra, Fryor Moore, director
- 10 p.m.—Dance music program, NBC

575 Meters **KXA** **Channel 57**
570 Kcys. **500 Watts**

American Radio Tel. Co., Seattle, Wash.

- 10 to 10:15 a.m.—Inspirational services
- 10:15 to 10:30 a.m.—Health exercises
- 10:30 to 11 a.m.—Our Sunshine Hour
- 11 to 11:15 a.m.—Youth Always program
- 11:15 to 12 noon—Our Sunshine hour
- 12 to 3 p.m.—Recorded program
- 3 to 4 p.m.—Bridge hour
- 4 to 5 p.m.—Hawaiian recordings
- 5 to 6 p.m.—Popular recorded program
- 6 to 7 p.m.—Slim Secord's Hot-En-Tots
- 7 to 7:30 p.m.—Harold Morrison, tenor
- 7:30 to 8 p.m.—Bray's Old Time Orchestra
- 8 to 9 p.m.—Program featuring Harold Chase
- 9 to 10 p.m.—Popular program with Jo-Alton Brimmer; Frank Barfaro; Carmel Teed; Chris Coughlan; Elnora Halvorsen
- 10 to 11 p.m.—Glen Carter's Merrymakers; Patsy Kelly, soloist

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THE RADIOTATTLER

(Continued from Page 10)

in the musty grave of the past. The soldiers who marched away to war, in their now peaceful era, can just as well market chewing gum and liver medicine, their stirring melodies swinging the jaw and the circulation in martial rhythm. There is no need for John Brown's body to lie in the cold, cold ground when John can be up, and doing the chamber of commerce reports a good turn by aiding waterproof floor wax that will withstand the rigors of any open window.

* * *

The theme song is going to add dollars to its users' incomes. It used to be the composer who made the money. Now it will be the product which he sells that makes him famous and rich. We'll not say, "Wagner," who wrote "The Pilgrims' Chorus" in another year. It will be, "The fellow who put over the Iceless Refrigerator Patrol." Then, in every home, in every palace and cot, will Wagner indeed become a household figure. That has been the trouble with fame. We have tried to make people famous by remembering their names or what they wrote or did. Shucks! That can't be done. But if we remember that what they sold is in every grocery or department store—that's another matter.

* * *

Right now we can remember without difficulty "The Ride of the Valkyries" if we know they traveled on Silvertown Cords. Eh what?

THE VANISHING CABS

(Continued from Page 30)

this dumbbell Caine to dynamite the tube with the cabs and drivers in it. I figured to hiding 'em out for a couple of days, that's all. Tomorrow is a holiday and we had the watchman with us and we figured on nicking the Orange outfit for two days' business. See? But—this other stuff . . ."

Lomax' face was grim.

That's the trouble with you birds who plunge into crime for the first time. You can't handle your employees. Mort intended to make a good job of it. If we hadn't used a little head work you would have gone up for murder, instead of hijacking!"

"Hijacking . . ." Grimshaw sank down in a chair.

"I said hi-jacking," said Lomax. "You

didn't think you were going to get away with this, did you?"

Midnight. Blaney checked the districts. The sun-bathers were all in. The trippers were back smoking rubber at the same old stops. The loads were rolling on schedule. He lighted a cigarette and regarded Morrison, worn and haggard, with a certain grim satisfaction.

"Some night, eh, chief?" he remarked.

Morrison passed a shaking hand over his head.

"We lost two good hours of pickups on account of that damned foolishness," he said. Blaney chuckled.

"Oh, I don't know," he said. "I suggested to Lomax he ought talk to some of those Blue line drivers. You go out and try to find a Blue Line cab anywhere—tonight."

Morrison stared at him open-mouthed.

"What was the big idea?" he asked.

"Just covering overhead, chief," said Blaney softly.

Morrison got up slowly, weakly, put on his hat and walked over to the door.

"I'll have some stars put on your car tomorrow," he said.

And he went out into the night of winking lights and ruthless competition.

EDDIE HOLDEN—KFRC

(Continued from Page 22)

tell you of some former associate who furnished material for one of his imitations. His humor is kindly, however, and never has a barb on it. He has real friends among the Japanese he would not offend for the world. They like his work on the air.

We have been trying to tell you just what sort of a chap Eddie Holden really is. Perhaps it will help if we include a list of the things he does and some of his likes and dislikes. At twenty-six he married Lily Dale, his Sunday-school sweetheart, thereby proving that the song writers are right. They have no children.

According to his own admission Eddie enjoys symphony concerts, the opera, art exhibits, football, baseball, horse racing and bridge. He has read and enjoyed Dickens, Hugo, Shakespeare, Mark Twain, Jack London, the American Magazine, Literary Digest and Liberty. He likes dogs, vacations and even professes to be sort of fond of money for the security, leisure and opportunities it provides. He dislikes, most of all to be ill and to fall out of balloons, though his experience in the latter has been confined to his sleeping hours.

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THURSDAY Programs

April 4, 1929



Jimmie Riddel
KOMO—4:00 p.m.



Arion Trio
NBC—11:30 a.m.



Dixie Marsh
KFO—8:00 a.m.

379.5 Meters
790 Kcys.

KGO

Channel 79
10,000 Watts

General Electric Co., Oakland, California

9:30 to 10:30 a.m.—California Home Life
10:30 to 11 a.m.—Woman's Magazine of the Air, NBC
11 to 11:15 a.m.—Rembrandt Trio
11:15 to 11:30 a.m.—"Happy Homes," Bettina Angelo
11:30 to 12 noon—Standard School Broadcast, NBC
12 to 1 p.m.—Rembrandt Trio
3 to 4 p.m.—The Wanderers, NBC
5 to 5:30 p.m.—Tom King, detective stories
5:30 to 6 p.m.—S. F. and N. Y. stocks; S. F. produce; news
6 to 6:30 p.m.—Seiberling program, NBC
6:30 to 6:45 p.m.—Bert Harwell, the bird man
6:45 to 7:30 p.m.—Agricultural program
7:30 to 8:30 p.m.—Standard Symphony Hour, NBC
8:30 to 9:30 p.m.—Memory Lane, NBC
9:30 to 10 p.m.—The Three Boys
10 to 12 midnight—The Trocaderans, NBC

315.6 Meters
950 Kcys.

KFWB

Channel 95
1000 Watts

Warner Brothers, Hollywood, California

9:30 a.m.—Harmony hour
11 a.m.—Shoppers' Directory
12:30 p.m.—Air Journal
1:30 p.m.—Housekeepers' Chat
2:15 p.m.—Baseball game
4:30 p.m.—Radio Travel Tales
5 p.m.—Radio Review
5:45 p.m.—Town Tattler
6:20 p.m.—Musical program
6:30 p.m.—Harry Jackson's entertainers
7 p.m.—Hollywood Athletic Club Orchestra
7:30 p.m.—Clarence Badger, popular songs
7:45 p.m.—Daily News
8 p.m.—LaSalle Singers and concert quintet
8:30 p.m.—The Hollywood Revelers
9 p.m.—Vicenzo Pometti's Concert Orchestra; Edward Jardon, tenor
10 p.m.—Amos 'n' Andy
10:10 p.m.—Henry Halstead's orchestra
11:10 to 12:10 a.m.—Roy Fox' orchestra

322.4 Meters
930 Kcys.

KFWM

Channel 93
500 Watts

Oakland Educational Society, Oakland, Cal.

8 to 9 a.m.—Max's Market and Health Hour
11 to 12 noon—Organ recital, Robert Hadlock
1:30 to 2:30 p.m.—Edna's Entertainment Hour
2:30 to 3 p.m.—A Kingdom Message, "The Satanic Attempt to Destroy the Seed," O. B. Eddins
3 to 3:30 p.m.—Opera, Wright and Ralston
3:30 to 4 p.m.—Treasure Hour, Wright and Ralston
4 to 5 p.m.—Musical program
5 to 5:50 p.m.—Big Brother Walter
5:50 to 6 p.m.—Kingdom or World News
7 to 8 p.m.—Doc Herrold
8 to 8:30 p.m.—Bible lecture, I. B. S. A. speaker
9 to 10 p.m.—The Travelers
10 to 10:30 p.m.—Oakland in Story and Song
10:30 to 11 p.m.—KFWM Maui Hawaiians

322.4 Meters
930 Kcys.

KFWI

Channel 93
500 Watts

Radio Entertainments, San Francisco, Calif.

7 to 8 a.m.—Health exercises by Cal King
10 to 10:30 a.m.—Charlie Glenn, songs
10:30 to 11 a.m.—Studio program
12 to 1 p.m.—Hooligans' luncheon program
1 to 1:30 p.m.—Cal King's Country Store
6 to 6:55 p.m.—Dinner hour program
6:55 to 7 p.m.—Police reports of missing people
8:30 to 9 p.m.—Studio program

230.6 Meters
1300 Kcys.

KTBI

Channel 130
1000 Watts

Bible Institute of Los Angeles, California

8 to 8:15 a.m.—Uncle Harry's Bible story
8:15 to 8:45 a.m.—Devotional service
8:45 to 9:15 a.m.—Announcer's hour
9:15 to 9:45 a.m.—Radio Bible course
9:45 to 10:35 a.m.—News of Christian work
10:35 to 11:30 a.m.—Lecture
11:30 to 12 noon—Leland and Thelma Green
12 to 12:15 p.m.—Scripture reading
1 to 1:15 p.m.—Ernest Nichols, baritone
1:15 to 2 p.m.—Missionary biographies
2 to 2:30 p.m.—Rev. S. W. Gage

THURSDAY Programs

ABC

American Broadcasting Company

- 7 to 8 a.m.—Vim, Vigor and Vitality, KJR, KGA, KEX, KYA, KMTR
 8 to 9 a.m.—Anthony Euwer Golden Hour Orchestra, KJR, KEX, KGA, KYA, KMTR, KLZ, KDYL
 9 to 9:30 a.m.—Mary Cooke, Better Homes program, KJR, KGA, KEX, KYA, KLZ, KDYL
 9:30 to 9:45 a.m.—Glenn Eaton and Marjorie Robillard, KJR, KGA, KEX, KYA, KLZ, KDYL
 9:45 to 10 a.m.—Devotional service, KJR, KGA, KEX, KYA, KLZ, KDYL
 10:30 to 10:45 a.m.—Georgia O. Georgia, hair culture, KJR, KGA, KEX, KLZ, KDYL
 11 to 12 noon—American Revellers, KJR, KGA, KEX, KLZ, KDYL
 12 to 12:15 p.m.—Late news events, KJR, KGA, KLZ, KDYL
 12:15 to 12:30 p.m.—Glenn Eaton and Marjorie Robillard, Murray and Harris, KJR, KGA, KEX, KLZ, KDYL
 12:30 to 1:30 p.m.—American Salon Orchestra, Francesco Longo, director; soloist, Dorothy Lewis, KJR, KGA, KEX, KLZ, KDYL
 1:30 to 2 p.m.—Lecture, "The Well Trained Child," KJR, KGA, KEX, KYA, KDYL, KLZ
 2 to 3 p.m.—American Artistic Ensemble; soloists, Gertrude Kirksmith and Hayden Morris, KJR, KGA, KEX, KLZ, KDYL
 3 to 4 p.m.—American Salon Orchestra, Francesco Longo, director; soloists, Agatha Turley and G. Donald Gray, KJR, KGA, KEX, KDYL, KLZ
 4 to 5 p.m.—The Melodians, 4:30 to 4:45, Burton W. James, KJR, KGA, KEX, KDYL, KLZ
 5 to 6 p.m.—Vic Meyers' orchestra, KJR, KGA, KEX, KDYL, KLZ; KLZ and KDYL take this program to 5:30 p.m.
 6 to 6:30 p.m.—Novelty program, KJR, KGA, KEX
 6:30 to 7:30 p.m.—American Artistic Ensemble, soloists, KJR, KGA
 7:30 to 8 p.m.—Anthony Euwer, KJR, KGA, KMTR, KDYL, KLZ
 8 to 8:30 p.m.—"Chronicles of Katz," humorous sketch, KJR, KGA, KEX, KYA, KMTR, KLZ, KDYL
 8:30 to 9 p.m.—Enchanters' Male Quartet, KJR, KGA, KEX, KMTR, KLZ, KDYL
 9 to 10 p.m.—American Opera Company, KJR, KGA, KEX, KMTR, KDYL, KLZ
 10 to 10:30 p.m.—Nite Club Skit, KJR, KGA, KEX, KYA, KMTR, KDYL, KLZ
 10:30 to 10:45 p.m.—Novelty piano duo, Aubrey Knoff and Helene Hill, KJR, KGA, KEX, KYA, KMTR, KLZ, KDYL
 10:45 to 11 p.m.—Saxophone sextet, KJR, KGA, KEX, KYA, KMTR, KLZ, KDYL
 11 to 12 midnight—Vic Meyers' orchestra, KJR, KGA, KEX, KYA, KMTR, KDYL, KLZ

361.2 Meters
830 Kcys.

KOA

Channel 83
12,500 Watts

General Electric Co., Denver, Colorado

- 6 to 6:30 p.m.—Seiberling Singers, NBC
 6:30 to 7 p.m.—Maxwell House Coffee hour, NBC
 7 to 7:30 p.m.—Halsey Stuart, NBC
 7:30 to 8 p.m.—United States National Bank
 8 to 8:30 p.m.—Supreme Serenaders
 8:30 to 9 p.m.—Extension Service, Colorado Agricultural College

440.9 Meters
680 Kcys.

KPO

Channel 68
5000 Watts

Hale Bros. & The Chronicle, San Francisco

- 6:45 to 8 a.m.—Health exercises by Hugh Barrett Dobbs, with William H. Hancock
 8 to 9 a.m.—Shell Happy Time by Hugh Barrett Dobbs with William H. Hancock, Dixie Marsh and Lou Foote's orchestra
 9:30 to 10 a.m.—Dobbie's daily chat, with Kevin Ahern, Irish tenor
 10 to 10:10 a.m.—Annabelle Lee
 10:30 to 11 a.m.—Woman's Magazine of the Air, NBC
 11 to 11:30 a.m.—Ye Towne Cryer
 11:30 to 12 noon—Standard School broadcast, NBC
 12 to 12:10 p.m.—Scripture reading; announcements
 12:10 to 12:30 p.m.—Don George, organist
 12:30 to 1:30 p.m.—Shrine luncheon from Palace Hotel
 1:30 to 2 p.m.—Jerry Jermaine for Hale Bros.
 2 to 2:30 p.m.—House of Dreams, with Gretchen Brendel, contralto
 2:30 to 2:45 p.m.—Secrets for women only
 2:45 to 3 p.m.—Stock market quotations
 3 to 4 p.m.—The Wanderers program, NBC
 4:30 to 4:45 p.m.—U. S. Dept. of Commerce talk
 4:45 to 5 p.m.—Stock market quotations
 5 to 5:30 p.m.—Children's hour, Big Brother
 5:30 to 6 p.m.—Evelyn Trent, world topics
 6 to 6:30 p.m.—Seiberling program, NBC
 6:30 to 6:45 p.m.—Federal Business Assoc. talk
 6:45 to 7 p.m.—Chat with Ernst Voss, famous war ace
 7 to 7:30 p.m.—Halsey Stuart, NBC
 7:30 to 8 p.m.—Violin recital by Nathan Abas
 8 to 8:30 p.m.—Caswell Musical Travelers
 8:30 to 9 p.m.—Elsa Trautner and assisting instrumentalists
 9 to 9:30 p.m.—Chrysler program with Merton Bories
 9:30 to 10 p.m.—Tommy Munroe and Bob Allen
 10 to 12 midnight—Trocaderans, NBC

296.6 Meters
1010 Kcys.

KQW

Channel 101
5000 Watts

First Baptist Church, San Jose, California

- 10 to 11 a.m.—The Helpful Hour
 11 to 12 noon—Monterey Peninsula program
 12 to 12:30 p.m.—Leonard & Holt; farm flashes
 12:30 to 1 p.m.—Market and weather reports
 1 to 1:30 p.m.—Hart's Happy Half Hour
 2:30 to 3:30 p.m.—Musical program
 3:30 to 3:45 p.m.—Fanchon's style chat
 3:45 to 4:15 p.m.—Thirty minutes with W. K.
 4:30 to 5 p.m.—Children's program
 5 to 5:45 p.m.—Studio program
 5:45 to 6 p.m.—U. S. D. A. Farm Forum
 6 to 6:20 p.m.—Crop digest
 6:20 to 6:25 p.m.—Commercial announcements
 6:25 to 6:50 p.m.—Crop reports and weather
 6:50 to 7 p.m.—Farmers' Exchange
 7 to 8 p.m.—Farm Bureau news
 8 to 9:30 p.m.—Songs of the old church choir

265.3 Meters

KSL

Channel 113
5000 Watts

Radio Service Corp., Salt Lake City, Utah

- 6 p.m.—Salt Lake Police Department
 6:15 p.m.—Dr. E. E. Keller
 6:30 p.m.—Rhythm Trio, Lowell Berry, pianist
 7 p.m.—National Broad. Co. program
 7:30 p.m.—Apollo Male Quartet and Peerless Instrumental Trio
 8:30 p.m.—Mormon Tabernacle organ and choir
 9 p.m.—John Stacey and his orchestra
 10 p.m.—Claude Kiff's Odeon Ballroom Band

THURSDAY Programs

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

7 to 8 a.m.—Vim, Vigor and Vitality, ABC
 8 to 8:05 a.m.—Newscasting, ABC
 8:05 to 8:15 a.m.—Anthony Euwer, ABC
 8:15 to 9 a.m.—Golden Hour Orchestra, 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.—KYA Trio
 11 to 12 noon—California Sunshine Hour
 12 to 12:15 p.m.—News items
 12:15 to 12:30 p.m.—Metro and Cosmo Novelties
 12:30 to 1:20 p.m.—Pacific Salon Orchestra
 1:20 to 1:30 p.m.—Dr. Buren L. Corley
 1:30 to 2 p.m.—Dr. Stevenson Smith, ABC
 2 to 2:45 p.m.—Golden Gate Gypsies
 2:45 to 5 p.m.—Baseball from Recreation Park
 5 to 5:30 p.m.—Who's Who
 5:30 to 6 p.m.—KYA Trio
 6 to 6:15 p.m.—News items from the Examiner
 6:15 to 6:30 p.m.—Golden Gate Cryer
 6:30 to 7:30 p.m.—Vic Meyers' orchestra, NBC
 7 to 7:30 p.m.—Pacific Salon Orchestra
 7:30 to 7:45 p.m.—Sport Interviews
 7:45 to 8 p.m.—Butler Novelties
 8 to 8:30 p.m.—Chronicles of Katz, ABC
 8:30 to 10 p.m.—Ice Hockey from Iceland
 10 to 10:30 p.m.—Night Club skit, ABC
 10:30 to 10:45 p.m.—Novelty piano duo, ABC
 10:45 to 11 p.m.—Saxophone sextet, ABC
 11 to 12 midnight—Vic Meyers, ABC

239.9 Meters **KFOX** **Channel 125**
1250 Kcys. **1000 Watts**
Nichols & Warinner, Long Beach, Calif.

8 to 8:15 a.m.—"Tadpole," the Buttercream Boy
 8:15 to 8:45 a.m.—Bright and Early Hour
 8:45 to 9:20 a.m.—Novelty program
 9:20 to 9:50 a.m.—Organ recital
 9:50 to 10 a.m.—Spanish program
 10 to 10:10 a.m.—Hawaiian program
 10:10 to 10:20 a.m.—Popular songs
 10:20 to 10:30 a.m.—Salon music
 10:30 to 10:50 a.m.—Popular dance music
 10:50 to 11 a.m.—"Clarence"
 11 to 11:10 a.m.—Beauty talk, Mae Day
 11:10 to 11:30 a.m.—Banjo recordings; news
 11:30 to 11:50 a.m.—Early news
 11:50 to 12 noon—Musical numbers
 12 to 12:30 p.m.—"Gene and Bill"
 12:30 to 1 p.m.—Foster Rucker; Louise Church
 1 to 1:15 p.m.—Talk, "Health and Efficiency"
 1:15 to 2 p.m.—Heini Dormer, Ted Nedrow and Doris Dolan
 2 to 2:30 p.m.—Health talk; music
 2:30 to 4 p.m.—Long Beach Municipal Band
 4 to 4:30 p.m.—Musical program; news
 4:30 to 5 p.m.—Oldtime dance music
 5 to 5:30 p.m.—Eleanor Sammons; and Louise Church
 5:30 to 6 p.m.—String trio
 6 to 6:05 p.m.—Lost and found department
 6:05 to 6:30 p.m.—Supper Club
 6:30 to 7:30 p.m.—Bear Cafe Orchestra
 7:30 to 8 p.m.—Sunset Harmony Boys
 8 to 8:30 p.m.—Cecil Fry
 8:30 to 9 p.m.—Long Beach Municipal Band
 9 to 10 p.m.—Hancock Golden Trails Hour
 10 to 11 p.m.—Classical hour
 11 to 12 midnight—Organ recital, Dick Dixon

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

7 to 8 a.m.—"Simp'y Flitts"
 8 to 9 a.m.—Embassy Theater program
 9 to 9:30 a.m.—Georgia O. George
 10 to 11 a.m.—Wyn's daily chats
 11 to 11:30 a.m.—Maytag So-A-Tone program
 11:30 to 11:40 a.m.—Madame Marie
 11:40 to 12 noon—Amateur auditions
 12 to 1 p.m.—Sherman, Clay noonday concert
 1 to 1:30 p.m.—Ada Day beauty talk
 3 to 4 p.m.—Sir Francis Drake Hotel Orchestra
 4 to 4:30 p.m.—"The Observer" about new books
 4:30 to 4:35 p.m.—Something about everything
 4:35 to 4:55 p.m.—News bulletin; lost and found
 4:55 to 5 p.m.—Town topics
 5 to 5:30 p.m.—Mac and his gang
 5:30 to 6 p.m.—Emporium's children's hour
 6 to 7 p.m.—KFRC Concert Orchestra
 7 to 7:30 p.m.—Berger's X Y Z program
 7:30 to 7:55 p.m.—Sir Francis Drake Hotel Orchestra
 7:55 to 8 p.m.—Weather Bureau frost warning
 8 to 9 p.m.—"Cruise of the Flying Cloud"
 9 to 9:30 p.m.—Program featuring the Pearce Brothers
 9:30 to 10 p.m.—Elvia Allman's Surprise Package
 10 to 10:10 p.m.—Amos 'n' Andy
 10:10 to 11:10 p.m.—Val Valente's Jungletown Orchestra
 11:10 to 12:10 a.m.—Anson Weeks' Orchestra

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

6:45 to 7 a.m.—Inspirational services
 7 to 7:30 a.m.—Northw. Sunrise Pep Period
 7:30 to 8 a.m.—Myrohl Musical Klock
 8 to 9 a.m.—Shell Happy Time hour
 9 to 10 a.m.—Household Service
 10 to 10:30 a.m.—Sara Leigh's Women's Hour
 10:30 to 11 a.m.—"Woman's Magazine of the Air," NBC
 11 to 11:30 a.m.—Farmers' Service Hour
 11:30 to 12 noon—Standard Educational Hour, NBC
 12 to 12:30 p.m.—Valvoline
 12:30 to 1 p.m.—Stelnite Information
 1 to 1:30 p.m.—Miss Modern
 1:30 to 2 p.m.—Fur Facts
 2 to 3 p.m.—Washington Home Service
 3 to 4 p.m.—The Wanderers, NBC
 4 to 4:30 p.m.—"Paint o' Mine" Period
 4:30 to 4:45 p.m.—Empire Home Hints
 4:45 to 5 p.m.—The New Voice of the Skies
 5 to 6 p.m.—Service Hour
 6 to 6:30 p.m.—Seiberling program, NBC
 6:30 to 6:45 p.m.—Concert, sports and news
 6:45 to 7 p.m.—Alice in Lauderland
 7 to 7:30 p.m.—Halsey Stuart, NBC
 7:30 to 8:30 p.m.—Standard Symphony, NBC
 8:30 to 9:30 p.m.—Crescent's Old Favorites
 9:30 to 10 p.m.—Sprague Avenue Invest.
 10 to 11 p.m.—Associated Oil Brass Band, KOMO

232.6 Meters **KDYL** **Channel 129**
1290 Kcys. **1000 Watts**
Intermountain Broad. Corp., Salt Lake City

6 p.m.—Favorite radio artists
 7 p.m.—Novelty program
 8 p.m.—"Chronicles of Katz," ABC
 8:30 p.m.—Favorite local entertainers
 9 p.m.—American Opera Company, ABC
 10 p.m.—"Nite Club Skit," ABC
 10:30 p.m.—Novelty piano duos, ABC
 10:45 p.m.—Saxophone sextette, ABC
 11 p.m.—Vic Meyers' Orchestra, ABC

THURSDAY Programs

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

Tribune Publishing Co., Oakland, Calif.

7 to 8 a.m.—Exercises
 8 to 9 a.m.—Jean Kent
 9 to 9:30 a.m.—Recordings
 9:30 to 10:15 a.m.—Health questions
 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 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, organ recital
 5 to 5:30 p.m.—Brother Bob
 5:30 to 6 p.m.—Cressy Ferra, pianist
 6 p.m.—Curtain calls
 6:10 to 7 p.m.—Hotel Oakland Concert Trio
 7 to 7:30 p.m.—News broadcast
 7:30 to 8 p.m.—Studio program
 8 to 8:30 p.m.—Fred T. Wood Co. program
 8:30 to 9 p.m.—Studio program
 9 to 9:30 p.m.—Kanteen Kapers
 9:30 to 10:30 p.m.—Machado's Hawaiians

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

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

6:45 to 8 a.m.—Health exercises
 8 a.m.—Talk and morning prayer
 9 to 9:30 a.m.—Musical program
 9:30 to 10 a.m.—Shopping news
 10 a.m.—Town Crier's morning message
 10:30 a.m.—Household economics
 11 to 11:30 a.m.—French lessons by Edgard Leon
 12 noon to 12:30 p.m.—Musical program
 12:30 to 12:45 p.m.—W. F. Alder travelogue
 1:30 to 2 p.m.—The Bookworm
 2 to 2:30 p.m.—Courtesy program
 2:30 to 3 p.m.—Paul Hugon
 3:30 p.m.—Louise Johnson, reading horoscopes
 4 p.m.—Lost and found announcements.
 4:25 p.m.—Stock market reports
 5 to 5:45 p.m.—"Own Your Own Home"
 5:45 to 6 p.m.—Town Crier's amusement tips
 6 to 6:30 p.m.—Organ program
 6:30 to 7 p.m.—KNX String Quartet
 7 to 8:30 p.m.—Courtesy program
 8:30 to 9:30 p.m.—Lubovlski trio, Calmon Lubovlski, master violinist; Claire Mellonino, pianist; Walter V. Ferner, cellist
 9:30 to 10 p.m.—Feature program
 10 p.m. to 12 midnight.—Hotel Ambassador orch.
 12 midnight to 1 a.m.—Dorado Club dance hour

239 Meters **KXL** **Channel 125**
1250 Kcys. **500 Watts**

KXL Broadcasters, Inc., Portland, Ore.

6 to 8 a.m.—Breakfast concert
 8 to 9 a.m.—Morning radio clock
 9 to 10 a.m.—Early Birds
 10 to 12 noon—Home economics and music
 12 to 2:30 p.m.—Afternoon presentations
 2:30 to 3 p.m.—Half hour of better music
 3 to 5 p.m.—Popular musical selections
 5 to 6 p.m.—Rural request program
 7 to 7:30 p.m.—Grandpa Bulger's children's hour
 7:30 to 8 p.m.—Vesper music
 8 to 9 p.m.—Studio program
 9 to 10 p.m.—Multnomah Hotel Orchestra
 10 to 12 midnight.—Tom Cats' Frolic
 12 to 6:30 a.m.—All night program

545.1 Meters **KTAB** **Channel 55**
550 Kcys. **500 Watts**
 Pickwick Broadcasting Co., Oakland, Calif.

8 to 9 a.m.—Ray Raymond's Tabloids
 9 to 9:30 a.m.—Morning prayer
 9:30 to 10 a.m.—Dr. J. Douglas Thompson
 10 to 11 a.m.—Recordings and classified
 11 to 11:30 a.m.—Al Ryan and Grace Horan
 11:30 to 12 noon—Brunswick recordings
 12 to 1 p.m.—George Otto's Hawaiians
 1 to 1:30 p.m.—Organ recital
 3 to 4 p.m.—Versatilians; Estelle Moran
 4 to 5 p.m.—Orchestra; Robert Carlson, baritone
 5 to 6 p.m.—Brother Bob's Frolic
 6 to 6:15 p.m.—Studio program
 6:15 to 6:30 p.m.—Talk by Eugene K. Sturgis
 6:30 to 7 p.m.—Twilight Hour
 7 to 8 p.m.—States Orchestra; Waldemar Lind, director
 8 to 9 p.m.—Artists' review
 9 to 10 p.m.—Pickwick Versatilians
 10 to 11 p.m.—KTAB Salon Orchestra
 11 to 1 a.m.—Night Owls

236.1 Meters **KOL** **Channel 127**
1270 Kcys. **1000 Watts**

Seattle Broadcasting Co., Seattle, Wash.

6:45 to 8:45 a.m.—Sunset's Musical Klock
 8:45 to 9:45 a.m.—Program of general interest
 9:45 to 10 a.m.—Housekeepers' Chat
 10 to 12:30 p.m.—Popular recordings
 12:30 to 1:30 p.m.—Shrine Club luncheon program
 1:30 to 2 p.m.—Matinee melodies
 2:30 to 4:30 p.m.—Baseball broadcast
 4:30 to 5 p.m.—News items, weather report
 5 to 6 p.m.—Service hour
 6 to 7 p.m.—Dinner concert, newscasting
 7 to 7:30 p.m.—Washington State Highway Patrol
 7:30 to 7:50 p.m.—Madge Baldwin, "This and That"
 7:50 to 8:30 p.m.—Studio program
 8:30 to 9 p.m.—Pacific Trade program
 9 to 9:15 p.m.—Amos 'n' Andy
 9:15 to 10 p.m.—Music of the Masters
 10 to 12 midnight—Cole McElroy's dance band

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

The Morning Oregonian, Portland, Oregon

8 to 9 a.m.—Shell Happy Time
 9 to 9:30 a.m.—Betty Baker's Cooking School
 9:30 to 10 a.m.—Chamber of Commerce talk
 10 to 10:30 a.m.—Women's setting-up exercises
 10:30 to 11 a.m.—"Women's Magazine of the Air," NBC
 11 to 11:30 a.m.—The Town Crier
 12 to 12:30 p.m.—Maytag So-A-Tone program
 2 to 2:20 p.m.—Stock market quotations
 2:20 to 3 p.m.—Studio program
 3 to 4 p.m.—Wanderers, NBC
 6 to 6:30 p.m.—Seiberling program, NBC
 6:30 to 6:35 p.m.—Thrift talk by George P. Simons
 6:35 to 6:40 p.m.—Mat Howard, pianist
 6:40 to 6:55 p.m.—Garden talk by Ray W. Gill
 6:55 to 7 p.m.—Studio program
 7 to 7:30 p.m.—Halsey Stuart, NBC
 7:30 to 8:30 p.m.—Standard Symphony hour, NBC
 8:30 to 9:30 p.m.—Memory Lane program, NBC
 9:30 to 9:45 p.m.—Current events
 9:45 to 10 p.m.—Tommy Luke's Flower Girls
 10 to 11 p.m.—Associated Brass Band, KOMO
 11 to 11:15 p.m.—Oregonian news summary
 11:15 to 12 midnight—Dance frolic

THURSDAY Programs

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

- Copyright 1929, E. C. Anthony, Inc., L. A.
8 a.m.—Shell Happy Time from KPO
9 a.m.—Musical program by Sylvia
10 a.m.—Sylvia's Happy Hour
10:30 a.m.—Woman's Magazine of the Air, NBC
11:30 a.m.—Standard Oil Co. program, NBC
12 noon—Dept. of Agriculture talks
12:15 p.m.—Federal and state market reports
12:30 p.m.—Harry Coleman, finger print expert
2 p.m.—Leon Archer, Eddie Marble
2:30 p.m.—Helen White, Aaron Gonzales, pianist
3 p.m.—Alma and Adele Howell; Betty Thompson, contralto and pianist
4 p.m.—A. Melvern Christie
4:30 p.m.—Kay Phillips
4:45 p.m.—Dr. H. Edward Myers
5 p.m.—Big Brother
5:30 p.m.—Newscasting
5:45 p.m.—Dena Jacobson Brilliant, "Attorney"
6 p.m.—Seiberling program, NBC
6:30 p.m.—Studio program
7 p.m.—Halsey Stuart program, NBC
7:30 p.m.—Standard Symphony, NBC
8:30 p.m.—North American Building and Loan Co. program
9:30 p.m.—Concert orchestra; Pryor Moore, dir.
10 p.m.—Dance music program, NBC

526 Meters **KXA** **Channel 57**
570 Kcys. **500 Watts**
American Radio Tel. Co., Seattle, Wash.

- 10 to 10:15 a.m.—Inspirational services
10:15 to 10:30 a.m.—Health exercises
10:30 to 11 a.m.—Our Sunshine Hour
11 to 11:15 a.m.—Youth Always program
11:15 to 12 noon—Our Sunshine hour
12 to 12:30 p.m.—Semi-classical records
12:30 to 1:30 p.m.—Men's Business Club luncheon
1:30 to 3 p.m.—Popular recorded program
3 to 4 p.m.—Bridge hour
4 to 5 p.m.—Hawaiian recordings
5 to 6 p.m.—Popular recorded program
6 to 7 p.m.—Slim Secord's Hot-En-Tots
7 to 7:30 p.m.—Seattle Fire Dept. program
7:30 to 7:45 p.m.—National Health Forum
7:45 to 8 p.m.—Evanston Fur program
8 to 9 p.m.—Popular program with Daisy Brunt; Lurlene Day; Art Nelson; Jack Medford; Valborg Nielsen
9 to 9:30 p.m.—University Players
9:30 to 10 p.m.—Glen Carter's Merrymakers; Harold Chase, soloist
10:30 to 12 midnight—"Bats in the Belfry" frolic

260.7 Meters **KJBS** **Channel 115**
1150 Kcys **100 Watts**
J. Brunton & Sons, San Francisco, Calif.

- 7 to 8 a.m.—Early Bird hour
8 to 9 a.m.—Favorite recordings
9 to 9:30 a.m.—Embassy popular program
9:30 to 11 a.m.—Vocal and instrumental recordings
11 to 12 noon—Concert recordings
12 to 1 p.m.—Dance recordings
1 to 1:30 p.m.—Raymond Melodists
1:30 to 3 p.m.—Variety records
3 to 4 p.m.—Records for the bridge hour
4 to 5 p.m.—Popular records
5 to 5:30 p.m.—New record releases
5:30 to 6:30 p.m.—Dance music

325.9 Meters **KOMO** **Channel 92**
920 Kcys. **1000 Watts**
Fisher's Blend Station, Seattle, Washington

- 7:55 a.m.—Inspirational services
8 a.m.—Shell Happy Time
9 a.m.—Theatre organ recital
9:50 a.m.—Y. M. C. A. health exercises
10:05 a.m.—Mandarin Sauce Co.
10:15 a.m.—What to Prepare for Dinner
10:30 a.m.—"Womans Magazine of the Air," NBC
11 a.m.—Novelty orchestra
11:30 a.m.—Standard School Broadcast, NBC
12 noon—Farm flashes, grain reports
12:15 a.m.—Orchestra with Harmonists
12:45 p.m.—Constance Cook
1:15 p.m.—Orchestra; Rhena Marshall and Joy Boys
2:30 p.m.—Orchestra; Alice Maclean, soprano
3 p.m.—The Wanderers, NBC
4 p.m.—Orchestra; Rhena Marshall and Jimmie Riddell, duets and solos
5 p.m.—Kiddies' program
5:30 p.m.—Stock and bond quotations
5:45 p.m.—News flashes
6 p.m.—Seiberling program, NBC
6:30 p.m.—Concert orchestra
7 p.m.—Halsey-Stuart program, NBC
7:30 p.m.—Standard Symphony Hour, NBC
8:30 p.m.—Crescent old-time band and singer
9:30 p.m.—Novelty trio
9:45 p.m.—Rhena Marshall, James Harvey
10 p.m.—Associated Brass Band, KHQ
11 p.m.—Alaska school program
11:15 p.m.—Late news flashes
11:30 to 12:30 a.m.—Gyrators with Bob Vierling and his banjo

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

- 7:30 to 8 a.m.—Physical culture period
8 to 9 a.m.—KHJ "Early Birds"
9 to 9:15 a.m.—"Dip-It" program
9:15 to 9:30 a.m.—The Thine Lady
9:30 to 9:55 a.m.—Late recordings
9:55 to 10:15 a.m.—U. S. C. Chapel period
10:15 to 11:55 a.m.—A. White, "At Our House"
11:15 to 11:30 a.m.—Recordings
11:30 to 12 noon—"Two Starving Song Writers"
12 to 12:30 p.m.—Biltmore Hotel Concert Orch.
12:30 to 12:45 p.m.—World-wide news
12:45 to 1:30 p.m.—KHJ Dance Orchestra
1:30 to 2 p.m.—Charlie Wellman's requests
2 to 2:30 p.m.—H. M. Robertson, "The Dog Man"
2:30 to 3 p.m.—Dorothy Cole, "This and That"
3 to 4 p.m.—Matinee Melody Masters
4 to 4:30 p.m.—Health talk
4:30 to 4:45 p.m.—Police Comm. W. G. Thorpe
4:45 to 5 p.m.—Dept. of Building and Safety
5 to 6 p.m.—KHJ Quintet
6 to 6:45 p.m.—KFRC Orchestra and singers
6:45 to 7 p.m.—World-wide news
7 to 7:30 p.m.—Inglewood Park program
7:30 to 8 p.m.—Pelton Motor Co. program
8 to 9 p.m.—Reo program
9 to 10 p.m.—Elvia Allman's Surprise Package
10 to 12 midnight—Biltmore Hotel Dance Orch.
12 to 1 a.m.—Organ and variety program

\$3 will bring BROADCAST WEEKLY to your door every week for one whole year. Why not subscribe Now?

FRIDAY Programs

April 5, 1929



Ken Stuart
KOL—7:00 p.m.



Amos 'n' Andy
KOL—9 p.m. KFRC—10 p.m. KFWB—10 p.m.



John Wharry Lewis
KLX—8:00 p.m.

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

7 to 8 a.m.—"Simpy Pitts"
8 to 9 a.m.—Embassy Theater program
9 to 9:30 a.m.—Georgia O. George
10 to 11 a.m.—Wyn's daily chats
11 to 11:30 a.m.—"Hints to Home Makers"
11:30 to 12 noon—Amateur auditions
12 to 1 p.m.—Sherman, Clay noonday concert
1 to 1:30 p.m.—Ada Day beauty talk
1:30 to 2:30 p.m.—Musical record program
4 to 4:30 p.m.—Garden talk by F. W. Davis
4:30 to 4:35 p.m.—Something about everything
4:35 to 4:55 p.m.—News and lost and found
4:55 to 5 p.m.—Town topics
5 to 5:30 p.m.—Mac and his gang
5:30 to 6 p.m.—Emporium's children's hour
6 to 6:30 p.m.—Jo Mendel's Pep Band
6:30 to 7 p.m.—Pat Frayne, sports
7 to 7:30 p.m.—Toll bridge program
7:30 to 7:55 p.m.—Anna Kristina's program
7:55 to 8 p.m.—Weather Bureau frost warning
8 to 8:30 p.m.—Stanley's Twenty-five Club
8:30 to 9 p.m.—Tales from an Antique Shop
9 to 10 p.m.—Sherman, Clay & Co. program
10 to 10:10 p.m.—Amos 'n' Andy
10:10 to 11:10 p.m.—Anson Weeks' Orchestra
11:10 to 12:10 a.m.—Tom Gerunovich's orchestra

526 Meters
570 Kcys. **KXA** Channel 57
500 Watts
American Radio Tel. Co., Seattle, Wash.

10 to 10:15 a.m.—Inspirational services
10:15 to 10:30 a.m.—Health exercises
10:30 to 11 a.m.—Our Sunshine Hour
11 to 11:15 a.m.—Youth Always program
11:15 to 12 noon—Our Sunshine Hour
12 to 3 p.m.—Recorded program
3 to 4 p.m.—Bridge hour
4 to 5 p.m.—Hawaiian recordings
5 to 6 p.m.—Recorded program
6 to 7 p.m.—Slim Secord's Hot-En-Tots
7 to 8 p.m.—The Three Melody Boys; Clarence Lundquist; Ruth Hubbs; Jack Happiness
8 to 9 p.m.—Program featuring Harold Chase
9 to 10 p.m.—Victor Herbert Quintet; Eva Gonella; Claude M. MacKenzie
10 to 11 p.m.—Glen Carter's Merrymakers

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

7 to 8 a.m.—Vim, Vigor and Vitality, ABC
8 to 8:05 a.m.—Newscasting, ABC
8:05 to 8:15 a.m.—Anthony Euwer, ABC, Seattle
8:15 to 9 a.m.—Golden Hour Orchestra, ABC
9 to 9:30 a.m.—Mary Cooke, better homes, ABC
9:30 to 9:45 a.m.—Eaton and Robillard, ABC
9:45 to 10 a.m.—Devotional service, ABC
10 to 10:30 a.m.—George Taylor and Clem Kennedy
10:30 to 10:40 a.m.—Dr. Buren L. Corley
10:40 to 11 a.m.—KYA Trio
11 to 12 noon—California Sunshine Hour
12 to 12:15 p.m.—Examiner news
12:15 to 12:30 p.m.—Metro and Cosmo
12:30 to 1:30 p.m.—Pacific Salon Orchestra
1:30 to 1:45 p.m.—Prudence Penny
1:45 to 2:40 p.m.—Bridge Party Hour
2:40 to 5 p.m.—Baseball from Recreation Park
5 to 5:30 p.m.—Who's Who Travelogues
5:30 to 6 p.m.—KYA Trio
6 to 6:15 p.m.—News items
6:15 to 6:30 p.m.—Golden Gate Cryer
6:30 to 7 p.m.—Six Best Steppers, ABC
7 to 7:30 p.m.—Eastman Kodak program, CBS
7:30 to 8 p.m.—Night Club Romance, CBS
8 to 9 p.m.—Neapolitan Nights, ABC
9 to 9:30 p.m.—Musical Marathon, ABC
9:30 to 10 p.m.—Woodwind ensemble, ABC
10 to 11 p.m.—Dancing Strings, ABC
11 to 12 midnight—Golden Gate Gypsies; Nita Mitchell, soloist

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

5 to 6 p.m.—Cities Service Orchestra and Cavaliers, NBC
6 to 6:30 p.m.—Wrigley Review, NBC
7 to 7:30 p.m.—Hudson-Essex Challengers, NBC
7:30 to 8 p.m.—The Solitaire Cowboys
8 to 8:30 p.m.—The Skelldians, NBC
8:30 to 8:35 p.m.—Answers on financial questions
8:35 to 9 p.m.—Tom Mitchell's Half Hour of Happiness
9 to 9:30 p.m.—Bordens Sales Co., NBC
9:30 to 10 p.m.—String trio
10 to 11 p.m.—The Trocaderoans, NBC

FRIDAY Programs

ABC

American Broadcasting Company

7 to 8 a.m.—Vim, Vigor and Vitality, KJR, KGA, KEX, KYA, KMTR
 8 to 9 a.m.—Anthony Euwer and Golden Hour Orchestra, KJR, KGA, KEX, KYA, KLZ, KDYL
 9 to 9:30 a.m.—Mary Cooke, Better Homes program, KJR, KGA, KEX, KYA, KDYL, KLZ
 9:30 to 9:45 a.m.—Glenn Eaton and Marjorie Robillard, KJR, KGA, KEX, KYA, KDYL, KLZ
 9:45 to 10 a.m.—Morning devotional service, KJR, KGA, KEX, KYA, KDYL, KLZ
 10:30 to 10:45 a.m.—Georgia O. George, hair culture, KJR, KGA, KEX, KDYL, KLZ
 11 to 12 noon—American Reveillers, KJR, KGA, KEX, KLZ, KDYL
 12 to 12:15 p.m.—Late news events, KJR, KGA, KDYL, KLZ
 12:15 to 12:30 p.m.—“Music Appreciation,” by Raymond David Holmes, KJR, KEX, KGA, KDYL, KLZ
 12:30 to 1:30 p.m.—Vic Meyers' orchestra, KJR, KGA, KEX, KDYL, KLZ
 1:30 to 2 p.m.—Song recital, Sidney Dixon and G. Donald Gray, KJR, KGA, KEX, KDYL, KLZ
 2 to 3 p.m.—American Artistic Ensemble, KJR, KGA, KEX, KDYL, KLZ
 3 to 4 p.m.—Vic Meyers' orchestra, KJR, KGA, KEX, KDYL, KLZ
 4 to 5 p.m.—“The Melodians,” KJR, KGA, KEX, KDYL, KLZ
 5 to 6 p.m.—American Artistic Ensemble; soloists, Agatha Turley and Sydney Dixon, KJR, KGA, KEX, KDYL, KLZ
 6 to 6:30 p.m.—Vic Meyers' dinner music, KJR, KGA, KEX
 6:30 to 7 p.m.—Six Best Steppers, Herman Kenin's orchestra (SF), KJR, KGA, KYA, KMTR
 7 to 7:30 p.m.—Eastman Kodak Company program, CBS from New York, KJR, KGA, KEX, KYA, KMTR, KDYL, KLZ
 7:30 to 8 p.m.—“Nite Club Romances,” CBS from New York, KJR, KGA, KYA, KMTR, KLZ, KDYL
 8 to 9 p.m.—Neapolitan Nights, KJR, KGA, KYA, KMTR
 9 to 9:30 p.m.—Musical Marathon, KJR, KEX, KYA, KMTR, KLZ, KDYL
 9:30 to 10 p.m.—Woodwind ensemble, KJR, KEX, KYA, KMTR, KDYL, KLZ
 10 to 11 p.m.—Dancing Strings, Herman Kenin's orchestra, KJR, KGA, KEX, KYA, KLZ, KMTR, KDYL
 11 to 12 midnight—Golden Gate Gypsies, Herman Kenin director, KJR, KGA, KEX, KYA, KMTR, KLZ, KDYL

239.9 Meters **KFOX** **Channel 125**
1250 Kcys. **1000 Watts**
 Nichols & Warinner, Long Beach, Calif.

8 to 8:15 a.m.—“Tadpole,” the Buttercream Boy
 8:15 to 8:45 a.m.—Bright and Early Hour
 8:45 to 9:20 a.m.—Novelty program
 9:20 to 9:50 a.m.—Organ recital
 9:50 to 10 a.m.—Spanish program
 10 to 10:10 a.m.—Hawaiian program
 10:10 to 10:20 a.m.—Popular songs
 10:20 to 10:30 a.m.—Salon music
 10:30 to 10:50 a.m.—Popular dance music
 10:50 to 11 a.m.—“Clarence”
 11 to 11:10 a.m.—Beauty talk, Mae Day
 11:10 to 11:30 a.m.—Banjo recordings
 11:30 to 11:50 a.m.—Early news report
 11:50 to 12 noon—Musical numbers
 12 to 12:30 p.m.—“Gene and Bill”
 12:30 to 1 p.m.—Louise Church and Maud Irvine
 1 to 1:30 p.m.—Masonic luncheon
 1:30 to 2 p.m.—Doris Dolan; Eva Balfour
 2 to 2:15 p.m.—Health talk
 2:15 to 2:30 p.m.—Music
 2:30 to 4 p.m.—Long Beach Municipal Band
 4 to 4:20 p.m.—News report
 4:20 to 4:30 p.m.—Musical program
 4:30 to 5 p.m.—Dick Love's orchestra
 5 to 5:30 p.m.—Eleanor Sammons, soprano, and Louise Church, pianist
 5:30 to 6 p.m.—String trio
 6 to 6:05 p.m.—Lost and found department
 6:05 to 6:30 p.m.—Supper Club
 6:30 to 7 p.m.—Motor Tires Quartette
 7 to 7:30 p.m.—“Em and Clem”
 7:30 to 8 p.m.—Chrysler Rhythm Makers
 8 to 9 p.m.—Long Beach Bootery hour
 9 to 9:30 p.m.—Hancock Orchestra
 9:30 to 10:30 p.m.—Rebroadcast, KNX
 10:30 to 11 p.m.—Rhythm Makers
 11 to 12 midnight—Organ recital

BEST BETS TODAY

TIME	STATION	PROGRAM

265.3 Meters **KSL** **Channel 113**
1130 Kcys. **5000 Watts**
 Radio Service Corp., Salt Lake City, Utah
 6 p.m.—“Wrigley Revue,” NBC
 6:30 p.m.—Studio program
 7 p.m.—“Hudson-Essex Challengers,” NBC
 7:30 p.m.—Harry Clark, Donald Cope, Frank Cole and Frances Osborne
 8 p.m.—“The Utah Quintet,” Frank McGanney, tenor, and concert artists
 9 p.m.—Dance music
 10 p.m.—“The Troaderans,” NBC

FRIDAY Programs

NBC

National Broadcasting Company

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

Cheese and milk, a practical combination, will be featured by Ann Holden this morning.

Recipes will be given by Miss Holden for salads with cheese that are tempting for bridge teas and for unusual cream sauces which disguise familiar dishes.

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

11:30 to 11:45 a.m.—Antrol program

"Hot Spot" will present a planologue during the Antrol program broadcast this morning.

Henry Starr, who is "Hot Spot," has a tenor voice and deft fingers with which he coaxes melodies from his piano. He will have a few things to say and much to play and sing.

Broadcast through KGO, KPO and KFI.

1 to 2 p.m.—Pacific Little Symphony

Thirty-two musicians playing under the baton of Max Dolin in the NBC's San Francisco studios will present a sixty-minute program of classical music through KOMO and KGO.

5 to 5:15 p.m.—Land o' Health

While the children are resting under fruit trees, eating strawberries as big as plums, plums as big as oranges, and great bunches of sweet raisins, DA-RA-O will tell them how those delicious fruits supply their bodies with vitamins—the life-giving substances which supply girls and boys with vigor and joy.

Broadcast through KHQ, KOMO, KGW and KGO.

6 to 6:30 p.m.—Wrigley Review (transcontinental)

Popular and classic numbers will be played by Harold Sanford and the orchestra, while selections by the Dalhart Trio, a whistling novelty, songs by Evelyn Hoey and a tenor, and a flute and clarinet duet will complete the Review.

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

7 to 7:30 p.m.—The Hudson-Essex Challengers will broadcast their weekly half-hour program through KHQ, KOMO, KGW, KGO, KPO and KFI.

7:30 to 8 p.m.—A Half Hour with the Senate

Two Democratic leaders in the Senate—Senator Daniel F. Steck of Iowa and Senator Thomas F. Walsh of Montana—will be heard during the broadcast through KHQ, KOMO, KGW, KGO and KPO.

8 to 9 p.m.—RCA Hour

Henry M. Hyde of the Astronomical Society of the Pacific, whose informal talks of astronomy have been an outstanding feature of RCA Hour programs in the past, will return to the microphone tonight.

Hyde's appearance tonight will be his first in almost three months. He has chosen for his subject "The Great Nebula in Orion."

Listeners will hear the RCA Orchestra under Max Dolin, Margaret O'Dea, contralto, and Edward Randall, baritone, during the musical portion of the hour.

Complete details follow:

The World of Music and Letters

Orchestra—Danse Bretonne.....Widor

Contralto solo—Stride la vampa—

"Il Trovatore".....Verdi

Orchestra—Romance.....Rubinstein

Orchestra—Overture—"The Flying

Dutchman".....Wagner

The World of Knowledge

Baritone solo—In the Silence of the Night

.....Rachmaninoff

Lecture—Subject—Astronomy:

The Great Nebula in Orion

Speaker: Henry M. Hyde, Astronomical Society of the Pacific

Orchestra—Dance of the Happy Spirits—

"Orpheus".....Gluck

Contralto solo—At Dawning.....Cadman

The World of History and Music

Orchestra—Benvenuto Cellini.....Berlioz

Baritone solo—Di Provenzo al mar—

"La Traviata".....Verdi

Orchestra—Meditation.....Glazunov

Orchestra—Huldigung's March

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

9 to 9:30 p.m.—Borden Farm program

The recently inaugurated Borden Dairy Farm half-hours promise refreshing relaxation with their droll farmland wit incorporated in a skit involving Esmerelda, the cook, Silas Eagle and Charley. The action and entertainment occurs in Silas' cabin at the farm, with Charley and his friends playing stringed instruments and singing.

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

9:30 to 10 p.m.—Footlights

Musical comedy selections are featured during the broadcast by Gail Taylor, soprano; Gwynfi Jones, tenor, and the orchestra.

The complete program follows:

Orchestra—Old Heidelberg

Orchestra—Selections—"Babette"

Soprano and orchestra—They All Follow Me

Soprano, tenor and orchestra—Will You

Remember?"—"Maytime"

Tenor and orchestra—When Eyes Like Yours,

"Girl Question"

Orchestra—Chon Kina—"The Geisha Girl"

Soprano, tenor and orchestra—Tea for Two—

"No, No, Nanette"

Soprano, tenor and orchestra—Selections—

"Sally"

Broadcast through KOMO and KGW.

10 to 12 midnight—Dance music by the Trocaderoans will be broadcast from 10 to 11 through KFI, KSL and KOA, and from 11 to 12 through KGO and KPO.

315.6 Meters
950 Kcys.

KFWB

Channel 95
1000 Watts

Warner Brothers, Hollywood, California

9:30 a.m.—Harmony hour

11 a.m.—KFWB Shoppers' Directory

12:30 p.m.—Air Journal

1:30 p.m.—Housekeepers' Chat

1:50 p.m.—Art and his banjo

2:15 p.m.—Baseball game

4:30 p.m.—Radio Travel Tales

5:45 p.m.—Town Tattler

6:20 p.m.—Musical program

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

7 p.m.—Hollywood Athletic Club

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

7:45 p.m.—Daily news items

8 p.m.—KFWB Concert Orchestra

8:30 p.m.—Don Warner's Dance Orchestra; Esther White and Lucky Wilber in harmony

9:30 p.m.—Concert orchestra

10 p.m.—Amos 'n' Andy

10:10 p.m.—Henry Halstead's Orchestra

11:10 to 12:10 a.m.—Roy Fox' orchestra

FRIDAY Programs

468.5 Meters **KFI** **Channel 64**
640 Kcys. **5000 Watts**
 Copyright 1929, E. C. Anthony, Inc., L. A.
 8 a.m.—Shell Happy Time from KPO
 10 a.m.—Betty Crocker, "Gold Medal Talks"
 10:30 a.m.—Woman's Magazine of the Air, NBC
 11:30 a.m.—Antrol program, NBC
 12 noon—U. C. and U. S. agriculture talks
 12:15 p.m.—Federal and state market reports
 12:25 p.m.—Franklin L. Graves, talk
 2 p.m.—Leon Archer, William Don, English comedian
 3 p.m.—Dolly McDonald
 4 p.m.—E. H. Rust, nurseryman
 4:30 p.m.—Hugo Escobar, Spanish lesson
 5 p.m.—Big Brother
 5:30 p.m.—Glen Edmund and his Collegians
 6 p.m.—Wrigley program, NBC
 6:30 p.m.—Studio program
 7 p.m.—Hudson Motors program, NBC
 7:30 p.m.—Vento Shoe program
 8 p.m.—RCA hour, NBC
 9 p.m.—Borden Farm program, NBC
 9:30 p.m.—Orchestra; Pryor Moore, director; Bernice Morrison, pianist
 10 p.m.—Dance music program, NBC

285.5 Meters **KNX** **Channel 105**
1050 Kcys. **5000 Watts**
 L. A. Evening Express, Los Angeles, Calif.
 6:45 to 8 a.m.—Health exercises
 8 a.m.—Talk and morning prayer
 9 to 9:30 a.m.—Musical program
 9:30 to 10 a.m.—Shopping news
 10 a.m.—Town Crier's morning message
 12 noon to 12:30 p.m.—Musical program
 12:30 to 12:45 p.m.—W. F. Alder travelogue
 1:30 to 2 p.m.—The Bookworm
 2 to 2:30 p.m.—Courtesy program
 2:30 to 3 p.m.—Federation of Women's Clubs
 4 p.m.—Lost and found announcements.
 4:25 p.m.—Dr. Wesley M. Barrett
 5 to 5:45 p.m.—"Own Your Own Home"
 5:45 to 6 p.m.—Town Crier's amusement tips
 6 to 6:30 p.m.—Organ program
 6:30 to 7 p.m.—KNX String Quartet
 7 to 7:30 p.m.—Alfonso Corelli's orchestra
 7:30 to 8 p.m.—Great Pacific Investment program
 8 to 9 p.m.—Royal Order of Optimistic Do-Nuts
 9 to 9:45 p.m.—Lion Tamers' program
 9:45 p.m.—Main event from the Hollywood Legion Stadium
 10 p.m. to 12 midnight.—Hotel Ambassador orch.
 12 midnight to 1 a.m.—Dorado Club dance hour

239 Meters **KXL** **Channel 125**
1250 Kcys. **500 Watts**
 KXL Broadcasters, Inc., Portland, Ore.
 6 to 8 a.m.—Breakfast concert
 8 to 9 a.m.—Morning radio clock
 9 to 10 a.m.—Early Birds
 10 to 12 noon—Home economics and music
 12 to 2:30 p.m.—Afternoon presentations
 2:30 to 3 p.m.—Half hour of better music
 3 to 5 p.m.—Popular musical selections
 5 to 6 p.m.—Rural request program
 7 to 7:30 p.m.—Grandpa Bulger's children's hour
 7:30 to 8 p.m.—Vesper music
 8 to 9 p.m.—Program from Rose studio
 9 to 10 p.m.—Studio program with orchestra
 10 to 12 midnight—Multnomah Hotel Orchestra
 12 to 6:30 a.m.—All night program

379.5 Meters **KGO** **Channel 79**
790 Kcys. **10,000 Watts**
 General Electric Co., Oakland, California.
 9:30 to 10:30 a.m.—California Home Life
 10:30 to 11:30 a.m.—Woman's Magazine of the Air, NBC
 11:30 to 11:45 a.m.—Antrol Laboratories program, NBC
 11:45 to 12 noon—Elnor Martin, "Home Economics"
 12 to 1 p.m.—Rembrandt Trio
 1 to 2 p.m.—Pacific Little Symphony, NBC
 2 p.m.—S. F. and N. Y. stocks
 5 to 5:15 p.m.—Da-Ra-O, the wise man from the Land o' Health
 5:15 to 5:30 p.m.—"Something to Think About"
 5:30 to 6 p.m.—S. F. and N. Y. stocks; S. F. produce; news
 6 to 6:30 p.m.—Wrigley Review, NBC
 6:30 to 7 p.m.—Studio concert
 7 to 7:30 p.m.—Hudson-Essex Challengers, NBC
 7:30 to 8 p.m.—A half hour with the Senate, NBC
 8 to 9 p.m.—RCA Hour, NBC
 9 to 9:30 p.m.—Borden Farm program, NBC
 9:30 to 10 p.m.—The Olympians
 10 to 11 p.m.—Western Artist series concert; Mme. Berthe Baret, French violinist; Eva Garcia, accompanist
 Selections—
 Andante from the opera "Der Geigenmeister".....Hubay
 Concerto in E-flat major.....Mozart
 Allegro moderato
 Un poco adagio
 Rondo
 L'Esplegle.....Tchaikowsky
 Symphonie Espagnole.....Lalo
 Andante; Rondo
 Adagio, from the ballet "Raymond".....Glazounow-Zimbalist
 La Capricciosa.....Ries
 Andante.....de Boer
 Moto perpetuo, from the suite in G major.....Ries
 11 to 12 midnight—Burt King's Hotel Claremont Orchestra (Berkeley)

333.1 Meters **KHJ** **Channel 90**
900 Kcys. **1000 Watts**
 Don Lee, Inc., Los Angeles, California
 7:30 to 8 a.m.—Physical culture period
 8 to 9 a.m.—Breakfast Club
 9 to 9:15 a.m.—Late recordings
 9:15 to 9:30 a.m.—Dr. Dorosh, health talk
 9:30 to 10:15 a.m.—Studio program
 10:15 to 11:15 a.m.—A. White, "At Our House"
 11:15 to 11:30 a.m.—Recordings
 11:30 to 12 noon—Two Starving Song Writers
 12 to 12:30 p.m.—Biltmore Hotel Concert Orch.
 12:30 to 12:45 p.m.—World-wide news
 12:45 to 1:30 p.m.—KHJ Dance Orchestra
 1:30 to 2 p.m.—Charlie Wellman's requests
 2 to 2:30 p.m.—Trojan period, U. of S. C.
 2:30 to 3 p.m.—Florence Robinson, The Theatre
 3 to 4 p.m.—Elvia Allman's Surprise Package
 4 to 4:30 p.m.—Dr. Herzog's school program
 4:30 to 5 p.m.—Council of International Relations
 5 to 5:30 p.m.—KHJ Quintet
 5:30 to 6 p.m.—Quintet program
 6 to 6:45 p.m.—Organ recital
 6:45 to 7 p.m.—World-wide news
 7 to 7:30 p.m.—Concert program
 7:30 to 8 p.m.—Florists' Association program
 8 to 9 p.m.—Majestic hour
 9 to 10 p.m.—Don Lee Symphony Orchestra
 9:30 to 10 p.m.—Don Lee, Inc., program
 10 to 12 midnight—Earl Burnett's dance orch.
 12 to 1 a.m.—Organ and variety program

FRIDAY Programs

545.1 Meters **KTAB** **Channel 55**
550 Kcys. **500 Watts**
Pickwick Broadcasting Co., Oakland, Calif.

8 to 9 a.m.—Ray Raymond's Tabloids
 9 to 9:30 a.m.—Morning prayer
 9:30 to 10 a.m.—Classified and recordings
 10 to 10:30 a.m.—Cal King's Country Store
 10:30 to 11 a.m.—Chats with Ruth
 11 to 12 noon—Popular records
 12 to 1 p.m.—George Otto's Hawaiians
 1 to 1:30 p.m.—Organ recital
 1:30 to 2:30 p.m.—Recordings
 2:30 to 3 p.m.—Carlson, Dorman and Moran
 3 to 4 p.m.—Pickwick Versatilians
 4 to 5 p.m.—KTAB Salon Orchestra
 5 to 6 p.m.—Brother Bob's Frolic
 6 to 6:30 p.m.—Don Jeffries
 6:30 to 7 p.m.—Twilight Hour
 7 to 7:15 p.m.—Talk, Eugene K. Sturgis, attorney-at-law
 7:15 to 7:30 p.m.—Studio program
 7:30 to 8 p.m.—Mormon Church program
 8 to 8:15 p.m.—Careers for Women
 8:15 to 9 p.m.—KTAB Minstrel Show
 9 to 10 p.m.—Salon orchestra, Leon Strashun
 10 to 11 p.m.—Pickwick Versatilians
 11 to 1 a.m.—Night Owls

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

The Morning Oregonian, Portland, Oregon
 7:15 to 7:30 a.m.—Y. M. C. A. health exercises
 8 to 9 a.m.—Shell Happy Time
 9 to 9:30 a.m.—Betty Baker's Cooking School
 9:30 to 10:30 a.m.—The Town Crier
 10:30 to 11:30 a.m.—Woman's Magazine of the Air, NBC
 11:30 to 12 noon—Continuation of Town Crier
 12 to 1 p.m.—Luncheon concert
 2 to 2:20 p.m.—Stock market quotations
 3:30 to 4 p.m.—Studio program
 5 to 5:15 p.m.—Da-Ra-O program, NBC
 5:15 to 5:20 p.m.—Fishing bulletin
 5:20 to 6 p.m.—Concert trio
 6 to 6:30 p.m.—Wrigley Spearman, NBC
 6:30 to 7 p.m.—Studio program
 7 to 7:30 p.m.—Hudson Motor program, NBC
 7:30 to 8 p.m.—Half hour with the Senators, NBC
 8 to 9 p.m.—RCA Hour, NBC
 9 to 9:30 p.m.—Borden's Sales program, NBC
 9:30 to 10 p.m.—"Footlights," NBC
 10 to 10:15 p.m.—Mathis-Otis Co., sports talk
 10:15 to 10:30 p.m.—Traffic talk by Capt. Ervin
 10:30 to 12 midnight—Frolic of Hoot Owls

260.7 Meters **KJBS** **Channel 115**
1150 Kcys **100 Watts**

J. Brunton & Sons, San Francisco, Calif.
 7 to 8 a.m.—Early Bird hour
 8 to 9 a.m.—Popular recordings
 9 to 9:30 a.m.—Embassy popular program
 9:30 to 10:45 a.m.—Variety recordings
 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 1:30 p.m.—Raymond Melodists
 1:30 to 2 p.m.—Variety records
 2 to 3 p.m.—Red Seal recordings
 3 to 3:15 p.m.—Mahra, the Great
 3:15 to 4 p.m.—Records for the bridge hour
 4 to 5 p.m.—Dance music
 5 to 6:30 p.m.—Dinner music

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

Radio Entertainments, San Francisco, Calif.
 7 to 8 a.m.—Health exercises by Cal King
 9 to 9:30 a.m.—Country Store
 9:30 to 10 a.m.—Musical program
 10 to 10:30 a.m.—Charlie Glenn, songs
 10:30 to 11 a.m.—Studio program
 11 to 12 noon—Morning concert
 12 to 1 p.m.—Hooligans' luncheon program
 1 to 1:30 p.m.—Cal King's Country Store
 6 to 6:55 p.m.—Dinner hour program
 6:55 to 7 p.m.—Police reports of missing people
 8:30 to 9 p.m.—Hank Blank, Pal of the Air
 9 to 11 p.m.—Novelty program

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

Oakland Educational Society, Oakland, Cal.
 8 to 9 a.m.—Max's Market and Health Hour
 2:30 to 3:30 p.m.—Musical program under the direction of Mrs. Hine; educational feature, June Gilman
 4:30 to 5 p.m.—Musical program
 5 to 5:50 p.m.—Big Brother Walter
 5:50 to 6 p.m.—Kingdom or World News
 7 to 8 p.m.—Doc Herrold
 8 to 8:30 p.m.—Bible dialogue, "Governments of Oppression, Why God Has Permitted Them"

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

First Baptist Church, San Jose, California
 10 to 11 a.m.—The Helpful Hour
 11 to 12 noon—Palo Alto program
 12 to 12:20 p.m.—Leonard & Holt program
 12:20 to 12:30 p.m.—Farm flashes, U. S. D. A.
 12:30 to 1 p.m.—Market and weather reports
 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
 3:30 to 3:45 p.m.—Fanchon's style chat
 3:45 to 4:15 p.m.—Thirty minutes with W. K.
 4:30 to 5 p.m.—Children's program
 5:15 to 5:30 p.m.—Franco's program
 5:30 to 5:45 p.m.—Studio program
 5:45 to 6 p.m.—U. S. D. A. Farm Forum
 6 to 6:20 p.m.—Crop digest
 6:20 to 6:25 p.m.—Commercial announcements
 6:25 to 6:50 p.m.—Crop reports
 6:50 to 7 p.m.—Farmers' Exchange
 7 to 8 p.m.—Farm Bureau evening news
 8 to 9 p.m.—Morgan Hill program
 9 to 9:30 p.m.—Program by Leda G. Jackson

236.1 Meters **KOL** **Channel 127**
1270 Kcys. **1000 Watts**

Seattle Broadcasting Co., Seattle, Wash.
 6:45 to 8:45 a.m.—Sunset's Musical Klock
 8:45 to 9:45 a.m.—Program of general interest
 10 to 11:30 a.m.—Popular recordings
 11:30 to 12 noon—"Sweet Sixteen Time"
 12 to 1:30 p.m.—Chamber of Commerce luncheon
 1:30 to 2 p.m.—Matinee Melodies
 2:30 to 4:30 p.m.—Baseball broadcast
 4:30 to 5 p.m.—News items, weather
 5 to 6 p.m.—Service hour
 6 to 7 p.m.—Dinner concert, newscasting
 7 to 7:30 p.m.—Ken Stuart's half hour
 7:30 to 7:50 p.m.—Madge Baldwin, "This and That"
 7:50 to 8:30 p.m.—Old-time music
 8:30 to 9 p.m.—Pacific Trade program
 9 to 9:15 p.m.—Amos 'n' Andy
 9:15 to 10:15 p.m.—Ho'el Butler Indians
 10:15 to 11:15 p.m.—Studio program
 11:15 to 1 a.m.—Tucker's Everstate Band

FRIDAY Programs

325.9 Meters Channel 92
920 Kcys. KOMO 1000 Watts

Fisher's Blend Station, Seattle, Washington
7:55 a.m.—Inspirational services
8 a.m.—Shell Happy Time
9 a.m.—Organ recital
9:50 a.m.—Y. M. C. A. health exercises
10:05 a.m.—Mandarin Sauce Co.
10:15 a.m.—What to Prepare for Dinner
10:30 a.m.—Woman's Magazine of the Air, NBC
11:10 a.m.—Trio, with Fred Lynch, tenor
12 noon—Radio Visits, grain reports
12:30 p.m.—Rhena Marshall, soprano
12:45 p.m.—Constance Cook
1 p.m.—Pacific Little Symphony, NBC
2 p.m.—Gyrators; Fred Lynch, Rhena Marshall
3 p.m.—Nip and Tuck
3:15 p.m.—Trio, with Rhena Marshall and Fred Lynch
4 p.m.—Quintet; Alice Maclean, Jimmie Riddel
5 p.m.—Land o' Health, NBC
5:15 p.m.—Joy Boys
5:30 p.m.—Stock and bond quotations
5:45 p.m.—News flashes
6 p.m.—Wrigley Review, NBC
6:30 p.m.—Studio program
7 p.m.—Hudson-Essex Challengers, NBC
7:30 p.m.—Half hour with the Senate, NBC
8 p.m.—RCA Hour, NBC
9 p.m.—Borden Farm program, NBC
9:30 p.m.—Footlights, NBC
10 p.m.—Evensong
10:30 p.m.—Orchestra, with Fred Lynch, tenor
11:30 p.m.—Vocal ensemble
12 midnight—Late news flashes
12:15 to 12:30 a.m.—Zita Dillon, piano; James Harvey, tenor

508.2 Meters Channel 59
590 Kcys. KHQ 1000 Watts

Louis Wasmer, Inc., Spokane, Washington
6:45 to 7 a.m.—Inspirational services
7 to 7:30 a.m.—Northw. Sunrise Pep Period
7:30 to 8 a.m.—Myrrohl Musical Klock
8 to 9 a.m.—Shell Happy Time
9 to 9:30 a.m.—The Chocolate Girl
9:30 to 10 a.m.—Household Service
10 to 10:30 a.m.—Sara Leigh's Women's Hour
10:30 to 11 a.m.—Woman's Magazine of the Air, NBC
11 to 12 noon—Farmers' Service Hour
12 to 12:30 p.m.—Valvoline
12:30 to 1 p.m.—Steinie Information
1 to 1:30 p.m.—Miss Modern
1:30 to 2 p.m.—Fur Facts
2 to 3 p.m.—Gems from Sartori
3 to 3:30 p.m.—Bailey's concert
3:30 to 4 p.m.—Musical program
4 to 4:30 p.m.—"Paint o' Mine" Period
4:30 to 4:45 p.m.—Empire Home Hints
4:45 to 5 p.m.—Jones Happy Time
5 to 5:15 p.m.—Da-Ra-O, NBC
5:15 to 6 p.m.—Service hour
6 to 6:30 p.m.—Wrigley transc., NBC
6:30 to 7 p.m.—Studio program
7 to 7:30 p.m.—Hudson Motor Car, NBC
7:30 to 8 p.m.—Senate program, NBC
8 to 9 p.m.—R. C. A. Hour, NBC
9 to 9:30 p.m.—Borden Sales Co., NBC
9:30 to 9:45 p.m.—Singing banjoist
9:45 to 10 p.m.—Alice in Launderland
10 to 10:30 p.m.—News and sports
10:30 to 12 midnight—Dance orchestra
12 to 12:30 a.m.—Trues Oil

440.9 Meters Channel 68
680 Kcys. KPO 5000 Watts

Hale Bros. & The Chronicle, San Francisco
6:45 to 8 a.m.—Health exercises by Hugh Barrett Dobbs, assisted by William H. Hancock
8 to 9 a.m.—Shell Happy Time, by Hugh Barrett Dobbs and William H. Hancock, with Eva De Vol, soprano, and John Rizzo, tenor
9:30 to 10 a.m.—Dobbsie's daily chat; John Rizzo, tenor
10 to 10:20 a.m.—Betty Crocker's home talks
10:30 to 11:30 a.m.—Women's Magazine of the Air, NBC
11:30 to 11:45 a.m.—Antrol Lab. program, NBC
11:45 to 12 noon—Ye Towne Cryer
12 to 12:10 p.m.—Scripture reading; announcements
12:10 to 12:45 p.m.—KPO Carolers
12:45 to 1:30 p.m.—Commonwealth Club luncheon
1:30 to 2 p.m.—Jerry Jermaine for Hale Bros.
2 to 2:30 p.m.—House of Dreams, with Refa Miller, soprano
4 p.m.—Stock market quotations
5 to 6 p.m.—Children's hour, with Big Brother and Pacific Union College A'Cappella Choir
6 to 6:30 p.m.—Wrigley program, NBC
6:30 to 7 p.m.—Studio program
7 to 7:30 p.m.—Hudson-Essex Challengers, NBC
7:30 to 8 p.m.—A Half Hour with the Senate, NBC
8 to 9 p.m.—RCA hour, NBC
9 to 9:30 p.m.—Borden Farm program, NBC
9:30 to 10 p.m.—Tamalpais Woods and Bolinas Beach program
10 to 11 p.m.—Jesse Stafford's Palace Hotel dance orchestra
11 to 12 midnight—Trocaederans, NBC

340.7 Meters Channel 88
880 Kcys. KLX 500 Watts

Tribune Publishing Co., Oakland, Calif.
7 to 8 a.m.—Exercises
8 to 9 a.m.—Jean Kent
9 to 9:30 a.m.—Recordings
9:30 to 9:40 a.m.—Belco talk
9:40 to 10:15 a.m.—Recordings
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 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, organ recital
5 to 5:30 p.m.—Brother Bob
5:30 to 6 p.m.—Cressy Ferra, pianist
6 p.m.—Curtain calls
6:10 to 7 p.m.—Hotel Oakland Concert Trio
7 to 7:30 p.m.—News broadcast
7:30 to 8 p.m.—Studio program
8 to 9 p.m.—John Wharry Lewis KLX Quintet
9 to 9:30 p.m.—Kanteen Kapers
9:30 to 10 p.m.—Studio program
10 to 11 p.m.—Fleur-de-Lis Orchestra

232.6 Meters Channel 129
1290 Kcys. KDYL 1000 Watts

Intermountain Broad. Corp., Salt Lake City
6 p.m.—Metropolitan Quartet
7 p.m.—Old favorite selections, CBS
7:30 p.m.—"Nite Club Romances," CBS
8 p.m.—Vocal and instrumental ensembles
9 p.m.—Musical Marathon, ABC
9:30 p.m.—Woodwind ensemble, ABC
10 p.m.—"Dancing Strings," ABC
11 p.m.—Golden Gate Gypsies, ABC

NEW ARCTURUS POWER AND SCREEN GRID TUBES

A. C. 2.5-Volt Design Meet Requirements of New Circuits

In recognition of the tendency to standardize on 2.5-volt A. C. tubes, the Arcturus Radio Tube Company of Newark, N. J., announces two important additions to their line in the development of the type 145 and 122, respectively, power and screen grid tubes.

The power tube has an undistorted power output of 1.7 watts under the following normal operating conditions:

Plate potential.....	250 volts
Grid bias.....	50 volts
Filament voltage.....	2.5 volts
Filament current.....	1.5 amperes
Amplification constant.....	3.5
Mutual conductance.....	1900 micro-mhos
Plate resistance.....	1850

The undistorted power output of this new tube is equal to that of the 210 type of tube and is secured at much lower plate voltage. Also, the low plate impedance improves the tone quality when outputting into readily available lead circuits.

The characteristics of the screen grid tube are as follows:

Heater potential.....	2.5 volts
Heater current.....	1.75 amperes
Plate potential.....	180 volts
Shield grid potential.....	.75 volts
Control grid bias.....	1.5 volts
Amplification constant.....	400
Plate resistance.....	400,000 ohms
Mutual conductance.....	1000 micro-mhos

The 122 tube is of the heater cathode type and is mounted in the UY five-prong base. The control grid, as is usual, is brought out to a cap on the top of the tube.

SPARTON DELIVERIES

All of the Sparton dealers are featuring the new model 930 as they have just been placed in a position so that a sufficient quantity of this new model can be delivered to take care of the market requirements.

W. E. and W. H. Jackson, Inc., wholesale distributors, state that the factory is daily increasing its production, and with the additional facilities which the factory will have on account of their recent purchase of twenty-eight acres of ground space just four miles out of Jackson, Michigan, they will be in a better position than ever to serve the trade.

Sparton radio sets in the higher priced cabinets are enjoying a larger volume of business than in any other part of the radio season.

HOW TO GET THE MOST OUT OF YOUR RECEIVER

(Continued from Page 36)

powerful locals, it is not advisable to have an antenna over sixty feet long, including the antenna and ground lead.

In figuring the size of the antenna, the flat top of the antenna should be added to the length of the lead-in, and also the ground wire. If the set is located in one of the upper floors of an apartment house, the ground lead, if figured to include the water pipe which is generally used, would be very long indeed, so that it is best to use an antenna and lead-in not over fifty feet long. The ideal antenna would be a single vertical wire, and there is no necessity of using more than one wire in a broadcast receiving installation. Multi-wire antennas are for special purposes, for long wavelengths, and for transmitting particularly; the cage antenna is of no use to the broadcast listener, and a single wire will do just as well.

Speaking of grounds, the cold water pipe still leads in popularity, although where this connection is found to be of high resistance, a piece of iron pipe about six feet long, driven into the ground, has been found to be very good. Underground antennas have been given wide publicity, and usually consist of a mass of metal buried at some distance from the receiver and connected to it by a long piece of insulated wire. This sort of antenna is out of the question for the apartment house or city dweller, except where a large yard is available, and based on the experience of a number of installations, such an antenna does not give as great signal strength on distant stations as an antenna placed above the ground, although it is conceded that static is somewhat reduced in the underground installation.

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SATURDAY Programs . . . April 6, 1929



Anson Weeks and His Hotel Mark Hopkins Orchestra
KFRC—10:10 p.m.

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

General Electric Co., Oakland, California
9:30 to 10:30 a.m.—California Home Life
11:30 to 1 p.m.—Rembrandt Trio
5 to 5:30 p.m.—Organ recital, Lew White, NBC
5:30 to 6 p.m.—S. F. and N. Y. stocks; S. F. produce; news
6 to 7 p.m.—General Electric program, NBC
7 to 8 p.m.—Lucky Strike Hour, NBC
8 to 8:30 p.m.—The Singing Peaches, NBC
8:30 to 8:45 p.m.—Weekly sport review, Al Santoro
8:45 to 9 p.m.—Olivia Robins Dunn, popular pianist
9 to 10 p.m.—Golden Legends, NBC
10 to 12 midnight—The New Big Show, NBC

325.9 Meters **KOMO** **Channel 92**
920 Kcys. **1000 Watts**
Fisher's Blend Station, Seattle, Washington

7:55 a.m.—Inspirational services
8 a.m.—Shell Happy Time
9 a.m.—Organ recital
9:50 a.m.—Y. M. C. A. health exercises
10:05 a.m.—Mandarin Sauce Co.
10:15 a.m.—What to Prepare for Dinner
10:30 a.m.—Organ recital
11:15 a.m.—Gyrators with the Harmonists
12:30 p.m.—Orchestra, with Fred Lynch, tenor
12:45 p.m.—Constance Cook
1 p.m.—Orchestra, with Rhena Marshall
1:45 p.m.—Orchestra, with Jimmie Riddel
3 p.m.—Orchestra; Alice Maclean, soprano
4 p.m.—Kiddies' program
4:30 p.m.—Stock and bond quotations
4:45 p.m.—News flashes
5 p.m.—Organ recital by Lew White, NBC
5:30 p.m.—Marimba Orchestra, with Mildred Hunt, NBC
6 p.m.—National Orchestra, directed by Walter Damrosch, NBC
7 p.m.—Lucky Strike dance program, NBC
8 p.m.—Orchestra; Luz Barroso, soprano
9 p.m.—Orchestra; Jas. Harvey, Alice Maclean
10 p.m.—Big Show, NBC
12 midnight—Late news flashes
12:15 to 12:30 a.m.—Zita Dillon, piano; James Harvey, tenor

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

Hale Bros. & The Chronicle, San Francisco
6:45 to 8 a.m.—Health exercises by Hugh Barrett Dobbs, assisted by William H. Hancock
8 to 9 a.m.—Shell Happy Time by Hugh Barrett Dobbs, assisted by Will Hancock, Cy Trobbe's orchestra and Ed Randall, baritone
9:30 to 10 a.m.—Dobbsie's daily chat; Art Fadden, pianist
10 to 10:10 a.m.—Annabelle Lee
11:30 to 12 noon—Ye Town Cryer
12 to 12:10 p.m.—Scripture reading; announcements
12:10 to 1 p.m.—Aeolian Trio
1 to 1:30 p.m.—Jerry Jermaine for Hale Bros.
1:30 to 2 p.m.—Ann Warner's home chats
2 to 2:15 p.m.—Secrets for women only
4:50 p.m.—Stock market quotations
5 to 6 p.m.—Big Brother, Paul Pitman
6 to 7 p.m.—General Electric, NBC
7 to 8 p.m.—Lucky Strike hour, NBC
8 to 8:30 p.m.—Singing Peaches, NBC
8:30 to 9 p.m.—Plantation Echoes, NBC
9 to 10 p.m.—Jesse Stafford's Palace Hotel dance orchestra
10 to 12 midnight—The Big Show, NBC

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

Warner Brothers, Hollywood, California
9:30 a.m.—Harmony hour
11 a.m.—KFWB Shoppers' Directory
12:30 p.m.—Air Journal
2:15 p.m.—Baseball game
4:30 p.m.—Radio Travel Tales
5 p.m.—Radio Review
5:45 p.m.—Town Tattler
6:20 p.m.—Musical program
6:30 p.m.—Harry Jackson's entertainers
7 p.m.—Concert quintet; Edward Jardon, baritone
7:30 p.m.—Ann Grey, songs; Frank Shoemaker, saxophone; Don Warner, pianist
8 p.m.—Mona Motor Oilers; Badger and Burns, song and patter team
9 p.m.—Courtesy program
9:30 p.m.—Henry Halstead's orchestra
10 to 10:10 p.m.—Amos 'n' Andy
10:10 to 10:40 p.m.—Henry Halstead's Orchestra
10:40 to 11:40 p.m.—Roy Fox' orchestra

SATURDAY Programs

NBC

National Broadcasting Company

5 to 5:30 p.m.—Lew White Organ Recital (transcontinental)

A thirty-minute organ recital by Lew White, who plays at the White Institute of Organ in New York City, will be broadcast through KOMO, KGW, KGO and KFI.

5:30 to 6 p.m.—Mildred Hunt and Dance Band “When I’m Walking With My Sweetness” will open a program by Mildred Hunt and a dance band to be broadcast through KHQ, KOMO, KGW and KFI.

6 to 7 p.m.—General Electric Hour (transcontinental)

Walter Damrosch and the National Orchestra will interpret musical masterpieces for a nation-wide audience during the broadcast of the General Electric Hour through KHQ, KOMO, KGW, KGO, KPO and KFI.

7 to 8 p.m.—Lucky Strike Hour (transcontinental)

It will be a distinctly “Lucky Night” when the coast-to-coast program of the Lucky Strike Dance Orchestra is broadcast.

The complete program follows: This Is My Lucky Day, Annabelle Lee, Button Up Your Overcoat, I’ll Get By, Farewell My Blue Belle, Roses of Picardy, So Blue, My Blue Ridge Mountain Home, Rose of Washington Square, I Ain’t Got Nobody, Lucky Star, Say It With Music, Lucky in Love, Gilbert and Sullivan Waltz Revue, Dinah, Oh, Miss Hannah, Yoo-Hoo, Song of the Vagabond, This Is My Lucky Day.

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

8 to 8:30 p.m.—The Singing Peaches

The “Singing Peaches” are a bevy of NBC artists whose program is made novel by vibraphone accompaniment. A feminine duo, a male quartet and four violinists participate in the program.

Broadcast through KGO and KPO.

8:30 to 9 p.m.—Plantation Echoes

Judge Chandler, the genial host so well known to radio enthusiasts, will preside at the party and his guests will entertain. “Plantation Echoes” is one of those programs which offers everything from dance music to semi-classical airs, Southern melodies and tap dancing.

Broadcast through KPO.

9 to 10 p.m.—Golden Legends

“Human Hearts,” an old-time melodrama, will be begun during the “Golden Legends” tonight. Acts I and II of the play will be produced tonight and the two concluding parts on Saturday, April 13.

This famous play has been arranged for microphone production by William Hanley from the dramatization by Hal Reid. It is the old story of a New York woman who has married an Arkansas “Hill Billy” and becomes dissatisfied with her drab existence. Murder, theft and all the other forms of chicanery are employed to build up the suspense and melodrama of the plot.

The first two acts of “Human Hearts” end dramatically. To reveal the story would detract from the entertainment that the play is

expected to afford. A group of National Players will enact it.

Broadcast through KHQ, KGW and KGO.

10 to 12 midnight—The New Big Show

Frank Ellis and the Trocaderoans will provide the dance music and Captain “Bill” Royle will be the master of ceremonies. “Cookie, the California Sunshine Girl,” Clarence Hayes and Charles Marshall are some of the NBC artists programmed.

Broadcast through KHQ, KOMO, KGO and KPO.

508.2 Meters
590 Kcys.

KHQ

Channel 59
1000 Watts

Louis Wasmer, Inc., Spokane, Washington

6:45 to 7 a.m.—Inspirational services
7 to 7:30 a.m.—Northwestern Sunrise Pep Period
7:30 to 8 a.m.—Myrrohl Musical Klock
8 to 9 a.m.—Happy Time Hour
9 to 10 a.m.—Household Service
10 to 11 a.m.—Sara Leigh’s Women’s Hour
11 to 12 noon—Farmers’ Service Hour
12 to 12:30 p.m.—Valvoline
12:30 to 1 p.m.—Steinitz Information
1 to 1:30 p.m.—Miss Modern
1:30 to 2 p.m.—Fur Facts
2 to 3 p.m.—Washington Home Service
3 to 3:30 p.m.—Bailey’s concert
3:30 to 4 p.m.—Musical program
4 to 4:30 p.m.—“Paint o’ Mine” Period
4:30 to 4:45 p.m.—Empire Home Hints
4:45 to 5 p.m.—Jones Happy Time
5 to 5:30 p.m.—Service Hour
5:30 to 6 p.m.—Mildred Hunt and marimba band,

NBC
6 to 7 p.m.—General Electric trans., NBC
7 to 8 p.m.—Lucky Strike Hour, NBC
8 to 8:15 p.m.—Sports and news
8:15 to 8:30 p.m.—Alice in Lauderland
8:30 to 9 p.m.—KHQ Concert Orchestra
9 to 10 p.m.—Golden Legends, NBC
10 to 12 midnight—The Big Show, NBC

BEST BETS TODAY

TIME	STATION	PROGRAM

SATURDAY Programs

ABC

American Broadcasting Company

- 7 to 8 a.m.—Vim, Vigor and Vitality, KJR, KGA, KEX, KYA, KMTR
- 8 to 9 a.m.—Anthony Euwer and Golden Hour Orchestra, KJR, KGA, KEX, KYA, KDYL, KLZ
- 9 to 9:30 a.m.—Mary Cooke, Better Homes program, KJR, KGA, KEX, KYA, KDYL, KLZ
- 9:30 to 9:45 a.m.—Glenn Eaton and Marjorie Robillard, KJR, KGA, KEX, KYA, KDYL, KLZ
- 9:45 to 10 a.m.—Morning devotional service, KJR, KGA, KEX, KYA, KDYL, KLZ
- 11 to 12 noon—American Reveillers, KJR, KGA, KEX, KDYL, KLZ
- 12 to 12:15 p.m.—Late news events, KJR, KGA, KLZ, KDYL
- 12:15 to 12:30 p.m.—Glenn Eaton and Marjorie Robillard, Murray and Harris, KJR, KGA, KEX, KDYL, KLZ
- 12:30 to 1:30 p.m.—American Salon Orchestra, Francesco Longo, director, KJR, KGA, KEX, KDYL, KLZ
- 1:30 to 2 p.m.—Song recital, G. Donald Gray and Sydney Dixon, KJR, KGA, KEX, KLZ, KDYL
- 2 to 3 p.m.—American Artistic Ensemble; soloists, Vance Gerber and Hayden Morris, KJR, KGA, KEX, KLZ, KDYL
- 3 to 4 p.m.—American Salon Orchestra, Francesco Longo, director; soloists, Agatha Turley and G. Donald Gray, KJR, KEX, KGA, KLZ, KDYL
- 4 to 5 p.m.—“The Melodians,” KJR, KGA, KEX, KDYL, KLZ
- 5 to 6 p.m.—Vic Meyers' orchestra, KJR, KGA, KEX, KMTR, KDYL, KLZ
- 6 to 7 p.m.—American Artistic Ensemble; soloists, Dorothy Lewis and Sydney Dixon, KJR, KGA, KEX, KEX to 6:30 only
- 7 to 8 p.m.—National Forum, CBS from Washington, D. C., KJR, KGA, KYA, KLZ, KMTR, KDYL
- 8 to 8:30 p.m.—The Wandering Minstrels, KJR, KGA, KEX
- 8:30 to 9 p.m.—Reverie Hour, melodies and memories, vocal quartet and full orchestral accompaniment, KJR, KGA, KEX, KYA, KMTR
- 9 to 9:30 p.m.—American Salon Orchestra, F. Longo, director, KJR, KGA, KEX, KYA, KMTR
- 9:30 to 10 p.m.—Charmed Land male singers, KJR, KGA, KYA, KEX, KMTR
- 10 to 12 midnight—Vic Meyers' orchestra, KJR, KGA, KEX, KYA, KMTR

260.7 Meters KJBS Channel 115

1150 Kcys 100 Watts
J. Brunton & Sons, San Francisco, Calif.

- 7 to 8 a.m.—Early Bird hour
- 8 to 9 a.m.—Favorite recordings
- 9 to 9:30 a.m.—Embassy popular program
- 9:30 to 12 noon—Recordings of popular favorites
- 12 to 1 p.m.—Dance recordings
- 1 to 1:30 p.m.—Raymond Melodists
- 1:30 to 3 p.m.—Popular records
- 3 to 4 p.m.—Orchestra recordings
- 4 to 5 p.m.—Dance music
- 5 to 6:30 p.m.—Dinner music

243.8 Meters KYA Channel 123

1230 Kcys. 1000 Watts
Pacific Broadcasting Corp., San Francisco

- 7 to 8 a.m.—Vim, Vigor and Vitality, ABC
- 8 to 8:05 a.m.—Newscasting, ABC
- 8:05 to 8:15 a.m.—Anthony Euwer, ABC
- 8:15 to 9 a.m.—Golden Hour Orchestra, ABC
- 9 to 9:30 a.m.—Mary Cooke, better homes, ABC
- 9:30 to 9:45 a.m.—Eaton and Robillard, ABC
- 9:45 to 10 a.m.—Devotional service, ABC
- 10 to 10:30 a.m.—KYA Trio
- 10:30 to 10:40 a.m.—Dr. Buren L. Corley
- 10:40 to 11 a.m.—KYA Trio
- 11 to 12 noon—California Sunshine Hour
- 12 to 12:15 p.m.—News items
- 12:15 to 12:30 p.m.—Metro and Cosmo Novelties
- 12:30 to 1:45 p.m.—Pacific Salon Orchestra
- 1:45 to 2:45 p.m.—Golden Gate Gypsies
- 2:45 to 5 p.m.—Baseball from Recreation Park
- 5 to 5:30 p.m.—Who's Who Travelogues
- 5:30 to 6 p.m.—KYA Trio
- 6 to 6:15 p.m.—News items
- 6:15 to 6:30 p.m.—Golden Gate Cryer
- 6:30 to 7 p.m.—Golden Gate Gypsies
- 7 to 8 p.m.—National Forum, CBS
- 8 to 8:30 p.m.—Pacific Salon Orchestra
- 8:30 to 9 p.m.—Reverie Hour, ABC
- 9 to 9:30 p.m.—Salon orchestra, ABC
- 9:30 to 10 p.m.—Charmed Land Singers, ABC
- 10 to 12 midnight—Vic Meyers' orchestra, ABC

333.1 Meters KHJ Channel 90

900 Kcys. 1000 Watts
Don Lee, Inc., Los Angeles, California

- 7:30 to 8 a.m.—Physical culture period
- 8 to 9 a.m.—KHJ “Early Birds”
- 12 to 12:30 p.m.—Biltmore Hotel Concert Orch.
- 12:30 to 12:45 p.m.—World-wide news
- 12:45 to 1:30 p.m.—KHJ Dance Orchestra
- 1:30 to 2 p.m.—Charlie Wellman's requests
- 2 to 3 p.m.—KHJ soloists
- 3 to 4 p.m.—Matinee Melody Masters
- 4 to 4:30 p.m.—Half hour with Midnight Mission
- 4:30 to 5 p.m.—Playground Department
- 5 to 5:30 p.m.—“Monkey Business”
- 5:30 to 6 p.m.—KHJ Quintet
- 6 to 6:45 p.m.—Organ recital
- 6:45 to 7 p.m.—World-wide news
- 7 to 7:30 p.m.—Gilfillan Brothers program
- 7:30 to 8:30 p.m.—Continuity program
- 8:30 to 9 p.m.—Pelton Motor Co. program
- 9 to 10 p.m.—Don Wilson's varieties
- 10 to 12 midnight—Earl Burnett's dance orch.
- 12 to 1 a.m.—Organ and variety program

526 Meters KXA Channel 57

570 Kcys. 500 Watts
American Radio Tel. Co., Seattle, Wash.

- 10 to 10:15 a.m.—Inspirational services
- 10:15 to 10:30 a.m.—Health exercises
- 10:30 to 11 a.m.—Our Sunshine Hour
- 11 to 11:15 a.m.—Youth Always program
- 11:15 to 12 noon—Our Sunshine hour
- 12 to 3 p.m.—Recorded program
- 3 to 4 p.m.—Bride hour
- 4 to 6 p.m.—Popular recorded program
- 6 to 7 p.m.—Slim Secord's Hot-En-Tots and Patsy Kelly
- 7 to 7:45 p.m.—Recital presented by Miss Edna Holt
- 7:45 to 8 p.m.—Recorded program
- 8 to 9 p.m.—Dorothy Magner; Babe Mitchell; Orrin Shattuck; Hilda McCombs; Myrtle Norton
- 9 to 10 p.m.—Grace Hoffman; Carl N. Klass; Rita Frasch; Hugh S. Barbour
- 10 to 11 p.m.—Glen Carter and his Merrymakers

SATURDAY Programs

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

Don Lee, Inc., San Francisco, Calif.
 7 to 8 a.m.—"Simp'y Fitts"
 8 to 9 a.m.—Embassy Theater program
 10 to 11 a.m.—Leigh Harline and Al Pearce
 11 to 11:45 a.m.—Amateur auditions
 11:45 to 12 noon—Announcements of Sunday church services
 12 to 1 p.m.—Sherman Clay noonday concert
 1 to 1:30 p.m.—Ada Day beauty talk
 2 to 3 p.m.—KHJ recital program
 3 to 4 p.m.—Melody Masters
 4 to 5 p.m.—Sir Francis Drake Orchestra
 5 to 6 p.m.—Mac and his gang
 6 to 6:45 p.m.—Organ recital from KHJ
 6:30 to 7 p.m.—Bridge lessons and news
 7 to 7:30 p.m.—Program featuring the Pearce Brothers
 7:30 to 7:55 p.m.—Don Lee chain program
 7:55 to 8 p.m.—Weather Bureau frost warning
 8 to 9 p.m.—Don Lee Broadcasting System program
 9 to 10 p.m.—Don Wilson's varieties
 10 to 10:10 p.m.—Amos 'n' Andy
 10:10 to 11:10 p.m.—Anson Weeks' Hotel Mark Hopkins Orchestra
 11:10 to 12:10 a.m.—Earl Burtnett's Biltmore Hotel Orchestra

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

The Morning Oregonian, Portland, Oregon
 8 to 9 a.m.—Shell Happy Time
 9 to 9:30 a.m.—Betty Baker's Cooking School
 9:30 to 10 a.m.—Chamber of Commerce talk
 10 to 11:30 a.m.—Town Crier
 1 to 1:20 p.m.—Stock market quotations
 1:20 to 1:35 p.m.—Old Hickory Smoked Salt talk
 1:35 to 2:20 p.m.—Farmer's hour
 5 to 5:30 p.m.—Lew White, organ recital
 5:30 to 6 p.m.—Mildred Hunt and marimba orch. NBC
 6 to 7 p.m.—General Electric Co. program, NBC
 7 to 8 p.m.—Lucky Strike hour, NBC
 8 to 9 p.m.—Operatic program
 9 to 10 p.m.—Golden Legends, NBC
 10 to 10:15 p.m.—Oregonian news summary
 10:15 to 12 midnight—The Big Show, NBC

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

First Baptist Church, San Jose, California
 10 to 11 a.m.—The Helpful Hour
 11 to 12 noon—Watsonville program
 12 to 12:20 p.m.—Leonard & Holt program
 12:20 to 12:30 p.m.—Farm flashes
 12:30 to 1 p.m.—Market and weather reports
 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
 3:30 to 3:45 p.m.—Fanchon's style chat
 3:45 to 4:15 p.m.—Thirty minutes with W. K.
 4:30 to 5 p.m.—Children's program
 5 to 5:15 p.m.—Studio program
 5:15 to 5:30 p.m.—Franco's program
 5:30 to 5:45 p.m.—Studio program
 5:45 to 6 p.m.—Farm Forum
 6 to 6:20 p.m.—Crop digest
 6:20 to 6:25 p.m.—Commercial announcements
 6:25 to 6:50 p.m.—Crop reports and weather
 7 to 8 p.m.—Farm Bureau evening news
 8 to 9 p.m.—Studio program

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

Pickwick Broadcasting Co., Oakland, Calif.
 8 to 9 a.m.—Ray Raymond's Tabloids
 9 to 9:30 a.m.—Morning prayer
 9:30 to 11 a.m.—Features and recordings
 11 to 11:30 a.m.—Helen Size, soprano
 11:30 to 12 noon—Studio program
 12 to 1 p.m.—George Otto's Hawaiians
 1 to 1:30 p.m.—Organ recital
 1:30 to 2:30 p.m.—Variety recordings
 2:30 to 3 p.m.—Carlson, Dorman and Moran
 3 to 4 p.m.—Pickwick Versatilians
 4 to 5 p.m.—KTAB Salon Orchestra
 5 to 6 p.m.—Brother Bob's Frolic
 6 to 6:30 p.m.—Studio program
 6:30 to 7 p.m.—Twilight Hour
 7 to 8 p.m.—States Restaurant Orchestra
 8 to 9 p.m.—Anchors a-Wiegh program
 9 to 10 p.m.—KTAB Salon Orchestra
 10 to 10:30 p.m.—Joan Ray, contralto
 10:30 to 11 p.m.—Studio program
 11 to 1:30 a.m.—Night Owls

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

L. A. Evening Express, Los Angeles, Calif.
 6:45 to 8 a.m.—Health exercises
 8 a.m.—Talk and morning prayer
 9 to 9:30 a.m.—Musical program
 9:30 to 10 a.m.—Shopping news
 10 a.m.—Town Crier's morning message
 10:30 to 11 a.m.—Beauty talk
 12 noon to 12:30 p.m.—Musical program
 12:30 to 12:45 p.m.—W. F. Alder travelogue
 1:30 to 2 p.m.—The Bookworm
 2 to 2:30 p.m.—Courtesy program
 4 p.m.—Lost and found announcements.
 4:25 p.m.—Stock market reports
 5 to 5:45 p.m.—"Own Your Own Home"
 5:45 to 6 p.m.—Town Crier's amusement tips
 6 to 6:30 p.m.—Organ program
 6 to 6:30 p.m.—Playgoers' Club
 6:30 to 7 p.m.—KNX String Quartet
 7 to 7:30 p.m.—Courtesy program
 7:30 to 8 p.m.—Los Angeles Motor Car Dealers' program
 8 to 8:05 p.m.—Announcement of church services
 8:05 to 10 p.m.—Feature program
 10 p.m. to 12 midnight.—Hotel Ambassador orch.
 12 midnight to 1 a.m.—Dorado Club dance hour
 1 to 3 a.m.—The Midnight Express

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

Radio Service Corp., Salt Lake City, Utah
 5 p.m.—Lew White, organist, and Marimba Band, NBC
 6 p.m.—Damrosch Symphony Orchestra, NBC
 7 p.m.—"Lucky Strike" dance orchestra, NBC
 8 p.m.—Brimley Brothers Male Quartet
 8:30 p.m.—Concert troupe
 9:30 p.m.—KSL amateur night
 10 p.m.—Dance music
 11 p.m.—KSL Coyote Club

361.2 Meters **KOA** **Channel 83**
830 Kcys. **12,500 Watts**

General Electric Co., Denver, Colorado
 5 to 5:30 p.m.—Lew White organ recital, NBC
 5:30 to 6 p.m.—Tom Mitchell's Half Hour of Happiness
 6 to 7 p.m.—General Electric hour, NBC
 7 to 8 p.m.—Lucky Strike hour, NBC
 8 to 8:30 p.m.—Preview of International Sunday School lesson
 8:30 to 9:30 p.m.—Bill Grabau's dance orchestra

SATURDAY Programs

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

Tribune Publishing Co., Oakland, Calif.

7 to 8 a.m.—Exercises
8 to 9 a.m.—Jean Kent
9 to 9:30 a.m.—Recordings
9:30 to 10:15 a.m.—Health questions
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 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 from Oakland ball park
4:30 to 5 p.m.—Chas. T. Besserer, organ recital
5 to 5:30 p.m.—Brother Bob
5:30 to 6 p.m.—Cressy Ferra, pianist
6 p.m.—Curtain calls
6:10 to 7 p.m.—Hotel Oakland Concert Trio
7 to 7:30 p.m.—News broadcast
7:30 to 8 p.m.—Studio program
8 to 8:30 p.m.—Chas. T. Besserer, organ recital
8:30 to 9 p.m.—Helen Wegman Parmelee, pianist; Frank Van Cleave, tenor
9 to 9:30 p.m.—Kanteen Kapers
9:30 to 10 p.m.—Dance records

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

Nichols & Wariner, Long Beach, Calif.

8 to 8:15 a.m.—"Tadpole," the Buttercream Boy
8:15 to 8:45 a.m.—Bright and Early Hour
8:45 to 9:20 a.m.—Novelty program
9:20 to 9:50 a.m.—Organ recital
9:50 to 10 a.m.—Spanish program
10 to 10:10 a.m.—Hawaiian program
10:10 to 10:20 a.m.—Popular songs
10:20 to 10:30 a.m.—Salon music
10:30 to 10:50 a.m.—Popular dance music
10:50 to 11 a.m.—"Clarence"
11 to 11:10 a.m.—Beauty talk, Mae Day
11:10 to 11:50 a.m.—Banjo recordings; news
11:50 to 12 noon—Musical numbers
12 to 12:30 p.m.—"Gene and Bill"
12:30 to 1 p.m.—Louise Church; Foster Rucker
1 to 1:30 p.m.—String quartette
1:30 to 2 p.m.—Doris Dolan, pianist; Heini Dorn-ner, tenor; Eva Balfour, blues
2 to 2:30 p.m.—Health talk; music
2:30 to 4 p.m.—Long Beach Municipal Band
4 to 4:30 p.m.—Musical program; news
4:30 to 5 p.m.—Popular dance selections
5 to 5:30 p.m.—Foster Rucker and Louise Church
5:30 to 6 p.m.—String trio
6 to 6:05 p.m.—Lost and found department
6:05 to 6:30 p.m.—Supper Club
6:30 to 7 p.m.—Motor Tires Quartet
7 to 7:30 p.m.—Harmony Boys; Hawaiian Trio
7:30 to 8 p.m.—Chrysler Rhythm Makers
8 to 8:30 p.m.—Jones Orchestra
8:30 to 9 p.m.—Long Beach Municipal Band
9 to 10 p.m.—Cecil Fry; Warner Duo; orchestra
10 to 11 p.m.—Rhythm Makers
11 to 12 midnight—Organ recital

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

Bible Institute of Los Angeles, California

7 to 7:30 p.m.—Jewish service
7:30 to 8 p.m.—George Haslo Brock and choir
8 to 9 p.m.—Leland Green
9 to 10 p.m.—Organ recital

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

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8 a.m.—Shell Happy Time from KPO
9 a.m.—Musical program by Sylvia
9:30 a.m.—Sylvia's Happy Hour
10:30 a.m.—French lesson by Annette Doherty
12 noon—U. C. and U. S. agriculture talks
12:15 p.m.—Federal and state market report
12:30 p.m.—Paris Inn Cafe Orchestra
1:30 p.m.—Dicky Thomas, acc. Berta Hill
2 p.m.—Ruth Haddock, contralto
2:30 p.m.—Amphion Trio with Sylvia Margolin, contralto
3:30 p.m.—Glen Edmund and his collegians
4:30 p.m.—Opal Snow, ballads; Leon Archer, accompanist
5 p.m.—Lew White, organ recital, NBC
5:30 p.m.—Mildred Hunt with Marimba Band, NBC
6 p.m.—General Electric program, NBC
7 p.m.—Lucky Strike hour, NBC
8 p.m.—Variety hour
9 p.m.—Packard Concert Orch.; Pryor Moore, dir.; Everton Stidham, baritone
10 p.m.—KFI Symphonette
11 p.m.—Midnight Frolic

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

Radio Entertainments, San Francisco, Calif.

7 to 8 a.m.—Health exercises by Cal King
9 to 9:30 a.m.—Country Store
9:30 to 10 a.m.—Musical program
10 to 10:30 a.m.—Charlie Glenn, songs
10:30 to 11 a.m.—Studio program
12 to 1 p.m.—Hooligans' luncheon program
6 to 6:55 p.m.—Dinner hour program
6:55 to 7 p.m.—Police reports of missing people
8:30 to 9 p.m.—Studio program

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

Oakland Educational Society, Oakland, Calif.

8 to 9 a.m.—Max's Market and Health Hour
11 to 12 noon—Musical program
1:30 to 2:30 p.m.—Edna's Entertainment Hour
2:30 to 3 p.m.—A Kingdom Message, "Judgment and Work of the Church," Part II, C. R. Welch
3 to 3:30 p.m.—Opera, Wright and Ralston
4 to 5 p.m.—Musical program
5 to 6 p.m.—Kingdom talk, classical music
7 to 8 p.m.—Doc Herold
8 to 8:30 p.m.—Bible dialogue, "Is the World Ever to Be Converted?"
9 to 10 p.m.—Boys of the Caravansery
10 to 12 midnight—Musical program

236.1 Meters **KOL** **Channel 127**
1270 Kcys. **1000 Watts**

Seattle Broadcasting Co., Seattle, Wash.

6:45 to 8:45 a.m.—Sunset's Musical Klock
8:45 to 10 a.m.—Program of general interest
10 to 11 a.m.—Children's Frolic
11:30 to 4:30 p.m.—Baseball broadcast
4:30 to 5 p.m.—News items, weather report
5 to 6 p.m.—Service hour
6 to 7 p.m.—Dinner concert, newscasting
7 to 7:30 p.m.—Studio program
7:30 to 8 p.m.—Camp Fire Girls' program
8 to 8:30 p.m.—Boy Scouts' program
8:30 to 9 p.m.—Pacific Trade program
9 to 9:15 p.m.—Amos 'n' Andy
9:15 to 10 p.m.—Studio program
10 to 11 p.m.—Tucker's Everstate Band
11 to 12 midnight—Intermission novelties
12 to 1 a.m.—Tucker's Everstate Band