

Broadcast Weekly

For
Week of
**Nov. 17 to
Nov. 23**



JANE BURNS
KGW—Program Director and Staff Artist

THE LEADING RADIO GUIDE OF THE PACIFIC COAST



AMRAD

for
discriminating buyers
who demand the
very best



TRIPLE
SCREEN GRID
ALL ELECTRIC



Exclusive California Distributors

KIERULFF & RAVENSCROFT

INCORPORATED
RADIO EQUIPMENT



121-131
Ninth Street
SAN FRANCISCO

135-139
West 17th Street
LOS ANGELES

“Amrad for Beauty’s Sake”

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

**COPYRIGHT, 1929 BY
BROADCAST WEEKLY
PUBLISHING COMPANY**

10 CENTS THE COPY FROM ALL NEWSDEALERS
BY SUBSCRIPTION \$3.00 PER YEAR

Vol. 8

San Francisco

NOVEMBER 16, 1929

Los Angeles

No. 8

THE EDITOR'S PAGE

UNTIL politics is a lot cleaner than it is, there will be no hope of getting offensive advertising out of radio programs. It is too easy for big corporations, who are well financed, to bring pressure to bear in the right place, for any radical revisions to be inaugurated. Radio is in the hands of the advertising gang and we've got to take it or leave it.

The broadcasters themselves see this. They are, right now, engaged in an almost hopeless task of cutting out or curbing the barrage of sales talks that choke the air lanes. M. H. Aylsworth, president of the National Broadcasting Company, laid this down in a conference with Ira E. Robinson, chairman of the Radio Commission.

"But we find it difficult," he said, "because the manufacturers and others who pay for the programs demand full publicity."

At the same time that the networks are being "ragged" by the commission for their advertising, 400 smaller stations that play phonograph music are permitted, unmolested, to peddle merchandise of all kinds by direct sales methods. It is not to be wondered that the larger broadcast interests seek to protect themselves against discrimination of this kind, until Congress is willing to face the situation without political hedging.

In a situation, so to speak, where a broadcast corporation must eat, it is not to be wondered that it passes up its plate when the melon is cut. And if, in the process, its plate is the larger, the fault must be charged to the system of feeding, rather than to the astuteness of the plate holder. The thing begins and ends with Congress, which sits as host at the festal board.

WE MAY now add Sunday to the "good music" days of the week. In fact Sunday radio programs present the best aggregation of continuous good music from early morning to late at night of any day in the week. At 9 a. m., the "Home Sweet Home" program of three straight hours comes in at KFRC. At noon the same station gives the latest classical records during the Sherman & Clay hour, which, when free from piano salesmanship, is delightful. KPO during the same period presents its salon orchestra. At 1:15, KYA offers an excellent classical hour. At 2:30, sometimes, we have a stellar NBC feature, such as the Philadelphia Symphony Orchestra. At 3:30 the Anglo-Persians, NBC feature. At 4. o'clock, over the same chain, the National Concert Orchestra. At 5 p. m. the Tea Time Three over KFRC. At-water Kent is with us from 6:15 to 7:15. From 7 to 8 the Pacific Artists' Trio over KYA. At 8 KFRC's concert orchestra for an hour. At 8:30, Rudy Seiger and the Fairmont Hotel concert group for half an hour. From 9:15 to 10, the Pacific Artists' Trio at KYA in its second concert of the day, and at 9:30 Stanislas Bem's Little Symphony Orchestra from KGO for an hour. Thus one may, by skipping around the local dial, be assured of plenty of good music all day Sunday, leaving the other open periods of the program for additional features more pleasing to still other listeners. Surely this is enough good music for one day to satisfy the most particular.

In the fourteen feature programs cited the musical gamut is from the lighter or popular classics to the ultra-classical, and this represents the offerings of only one day.



BUY AT THE SENSATIONAL NEW PRICES!
Consistently day in and day out, month in and month out, MAJESTIC has produced up to 6000 radio sets per day, until nearly 2,000,000 people now own a MAJESTIC Radio.

MAJESTIC'S POLICY has always been to pass on to the public all economies made possible through increased production over a long period and through improvement of that production.

Radio



MODEL 92

\$167.50

*Complete
With Tubes*

MODEL 92

\$167.50

Complete with Tubes

POWER Detection and the new —45 tubes, plus four tuned stages of radio frequency. Automatic sensitivity control gives uniform range and power all over the dial. Jacobean period cabinet of American Walnut. Doors of matched butt walnut with overlays on doors and interior panel of genuine imported Australia lacewood.

TUNE IN MAJESTIC THEATRE OF THE AIR

*Over Columbia Broadcasting System—Stations KFRC and KMJ—
every Sunday evening, 6 to 7, Pacific Standard Time.
Headliners of stage and screen.*

Wholesale Distributors

FREDERICK H. THOMPSON CO.

1131 Mission Street, San Francisco

HOLMES & CRANE

291 Fourth Street, Oakland, Calif.

KIMBALL-UPSON COMPANY

607-11 K Street, Sacramento

The RADIO TATTLER



By EARLE ENNIS

ONE of our readers writes in to ask us: "Just what does the conductor of an orchestra do?" This is most embarrassing. Just as we had this mystery almost solved, a lady listener gets onto it and wants to know the same thing. We noticed many months ago that the conductor was the only leisure member of the orchestra. Out of an ensemble of one to two hundred hard-working notewallopers, he was the only one not heaving, pulling, yanking, blowing, sawing, wrenching or beating something. All he seemed to do was wear a dress suit, with tails, and wave a stick.

* * *

We queried a number of musicians about this. "Can't you play without that waving stick?" we asked. Shamefacedly they admitted that they could not. In fact one gentleman who has a packing-case with a hole in it—a bass cello he calls it—confessed that when he was home, his wife had to reach in the door occasionally and gently wave a stick to and fro so he could finish his practice. It gave him, he said, "inspiration, motivation, a unity of cadenza piquancy, and complete coördination of G major and Q sharp." We shook him by the hand. We told him if he got all that out of a couple of wiggles of a stick, to stay right with it. He seemed to appreciate our attitude, and invited us to hear him play. We declined.

* * *

The stick matter was growing interesting. We called on an eminent conductor. We were greeted by the soles of his feet. He was on his knees clawing about under a sofa. He grunted and panted like a man in great trouble. After a bit he arose, red-faced and disheveled, his shirt-front sticking out of his jiblet clamp. Clutched in his hands—his stick. "Without that—I could have done nothing," he explained. We wanted to ask him why not, but something held us back. One does not intrude into a conductor's private moments to that extent.

* * *

So we went to Fritz. Fritz uncoupled a trombone in a cafe orchestra. He was an old timer. For a snitzel he would tell one anything. We provided the snitzel. Fritz listened.

"The stick—Gott yes," he said. "Once—in der old country there was a great conductor. One day—somebody steal his stick."

"Yes?"

Fritz lowered his voice.

"He die!"

We shrank back in horror, at the callousness of such a deed. As well cheat a Congressman of his mileage.

* * *

In our investigation we found that musicians, universally, have a respect amounting almost to terror for the little black stick. The theater may catch fire, the wind may blow away his music, and his wife may elope with the iceman and the musician will never shift his gaze. Up and down, his neck muscles aching, his wattles flapping, his collar melting and tears running down his cheeks—he will toodle through the most intricate passages—and never lose sight of the stick.

* * *

And right here we found out the reason for the conductor. Somebody has to wave the stick. He is the man. Who it was that discovered that a small black stick would hypnotize a group of musicians, nobody knows. But once the fact got out, it was capitalized. Now, when an orchestra is formed, a conductor is chosen first. Then he is handed the magic stick and told to get himself an orchestra.

* * *

Drummers, bassoon players, violinists, pianists—all respond to the magic of the waving wand. The conductor is their Sven-gali and they his collective Trilbys. After that—the symphony! And anyone that figures that a conductor is not essential is all wet. We have a piccolo player next door to us. His playing is terrible. So we got a little black stick and went over the other evening.

"One, two, three, accent; one, two three, accent," we said, waving the stick.

His face lighted. His eyes grew dreamy. His foot began to tap the carpet softly. He placed his wooden instrument against the corn on his lower lip and began to emit tender cadences, his eyes following the stick as we waved it to and fro. And for the first time since he moved into the neighborhood last June, we heard him really play.

The conductor? Lady—he's just a musical snake charmer and if the snakes hold out, he's got a job for life.

JUST WHAT IS THE SCREEN GRID?

JUST what is this screen grid thing, anyhow? What does it do? Where does it differ from an ordinary radio set? In other words, what is the advantage of a screen grid tube?

These four questions are asked today by the radio listeners perhaps more than any other. Faced with a sudden avalanche of screen grid sets on all sides, some good, some bad, the set owner is seeking an intelligent answer to these four questions to settle the thing in his own mind. If it is something he ought to have, he wants it. If it is just a frill—that is another matter.

At the outset, let this be understood, that when screen grid tubes were first developed, the most that was expected of them was that they would add additional sensitivity to the ordinary set. They were so sensitive to faint distant signals that it was believed that they would cut down the number of tubes in a set, enabling one or two screen grid tubes to do the work of four or five of the ordinary variety.

But very shortly it was found that the tubes were not only sensitive, but, when properly handled, they added selectivity to the set, and permitted the use of a power detector. A power detector primarily gives improved reproduction from the new highly modulated transmitters, at the same time cutting down on a-c hum and enabling a set to be built very compactly and with a small filter circuit. In addition the screen grid tube cured the feed-back tendencies inherent in other tubes.

As a result of this and that effect, screen grid tubes practically caused a re-designing of the entire receiver. So that, today, there exists this situation: a screen grid tube, to work efficiently, cannot be substituted in an ordinary set in place of an ordinary tube. But used in a modern, re-designed set, properly "blocked" and controlled, and equipped with an automatic volume control, power detector and other refinements, the screen grid set is a fine product and probably unequalled as a distance getter. This answers three of the four questions.

The fourth, its advantage to the listener, must be answered by the listener himself.

If you live in a building which has plaster over wire mesh in the walls, do not run your antenna lead too close to this wall. The mesh is itself an antenna and will reradiate to your lead, making the set non-selective.



TRUVOLT—The SAFE Resistance
For Eliminators and Power Packs

TRUVOLT All-Wire Resistances are built for accuracy and durability. Patented method of winding insures maximum air-cooling. Heavy nichrome wire is wound around an asbestos covered copper core. This is then wound around the fire-clay base.

Variable model (illustrated) has knob control and one-hole panel mount. Last longer due to endwise travel of contact over wire. 22 sizes. \$2.50.

Fixed models have sliding clip for quick adjustment. Made in all usual sizes.

ELETRAD, INC., Dept. BW-1118,
175 Varick Street, New York, N. Y.
Please send TRUVOLT data to—

Name.....
Address.....

Western Representatives:
UNIVERSAL AGENCIES
905 Mission Street, San Francisco

ELETRAD
INC.

PERSONAL PICK-UPS

By GYPSY

Miss Marian M., Soquel, Cal.—Kevin Ahearn is rather short of stature, weighing not more than 140 pounds. His hair is black with a natural permanent wave that always causes straight-haired ladies a pang, and his eyes are blue. In his lilting Irish tunes you have the keynote to his heritage and emotional mechanism. He is 29 years old.

* * *

Thelma B., San Francisco, Cal.—The name of the KFRC "Home Sweet Home" announcer is J. Paul Miller, and the reason you do not hear him more frequently is that radio is his avocation rather than vocation. His profession is that of attorney.

* * *

A. H., Fresno, Cal.—May Dearborn Schwab has been so occupied in plans for the opening of her new studio that she has had to set aside her radio activities. However, you will hear her before long, so do not despair. The new studio, incidentally, will make a charming background for the famous "celebrity teas" originated by Mrs. Schwab.

* * *

A. H., San Francisco, Cal.—A cosmopolite is Charles Hamp. An idolized hero minus the languor, indifference and bored expression of the usual elaborately feted star. One hundred and ninety pounds of contagious enthusiasm, six feet of sophisticated garb, dark-brown hair, prematurely touched with gray, blue eyes, ready laughter. And in that surprised way of his he answers, "Married? Why, how could anyone be as happy as I am and be married?"

* * *

Ted W., Olympia, Wash.—Gone forever is the day of definite schedules. Doug Richardson's case is no exception. He informs me that his appearances at NBC are entirely too varied to warrant publication at this date.

* * *

Mrs. Theo. M., Sacramento, Cal.—Roscoe Grover is still with KSL. His broadcasts, however, are less frequent since he has assumed the added responsibility of program director for that station.

* * *

E. Foulonnier, Alameda, Cal.—Al Ryan, after leaving KTAB, was traced to the Pacific Gillespie System, but is again wandering



hither and thither as befits a true radio vagabond. When he is found you shall have your picture.

* **

Betty, Oakland, Calif.—Mrs. Norman Nielson, before her marriage, was known as Vivian Dunn, newspaper woman on the Visalia Times. There are no children.

* * *

Blanche, Oakland, Cal.—Alice Blue became a member of the KTAB staff on November 4.

Your other question is answered elsewhere in this column.

* * *

E. Barnard, Yakima, Wash.—Yes, Mrs. Jean Crowe, program director of KPO, and Jean Campbell, concert pianist, are one and the same person. A most stimulating, charming woman, whose youthful face and slight girlish figure seem to mock her silver hair. She has hazel eyes, a fair complexion and an air of such distinction as to attract and provoke interest in even the most casual observer.

* * *

Ann H., San Francisco, Cal.—Jennings Pierce is about 5 feet 11, very athletic in appearance, strong features, blessed with a wonderful disposition and has that near-sandy colored hair that corresponds so well with gray-green eyes. As a University of California student, he sang the principal tenor roles in various college operettas and was featured in Glee Club concerts. He is 32 years old.

* * *

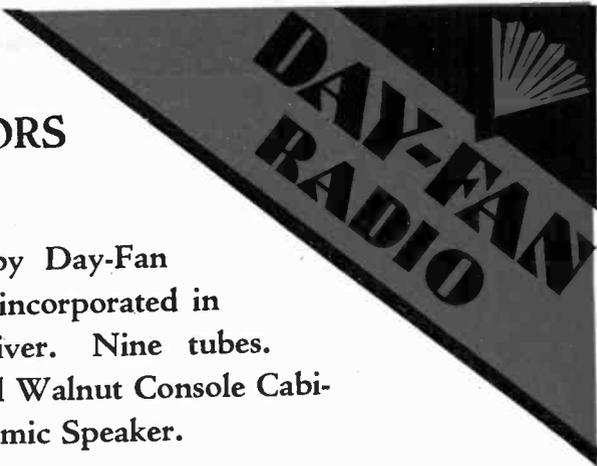
Mrs. Mary H., Los Angeles, Cal.—Gilbert Hyde Chick was born in Berkeley 26 years ago. He has blue eyes, medium brown hair, is 6 feet 1 inch in height and weighs 190 pounds. Rather reserved, studious and most interesting. His hobby is gardening, and the flowers he raises over in Berkeley receive not only honorable mention, but also innumerable prizes at the yearly exhibitions. No, he is not married.

* * *

L. Moore, Santa Cruz, Cal.—Jack Keough appears on various programs without definite advance schedules, but he is usually heard on the "Musical Musketeers" and the "Cigar Band" programs.

A GENERAL MOTORS PRODUCT

Important refinements by Day-Fan engineers have been incorporated in this newest receiver. Nine tubes. Beautiful Burl Walnut Console Cabinet. Dynamic Speaker.



A CHAMPION

**..TONE.
VOLUME
SELECTIVITY**

\$179.50
Less Tubes

DEALERS: Every Day-Fan sale is now a cash sale. General Motors Acceptance Corporation will give you the full cash value of every sales contract you write on a Day-Fan Radio.

**NO DISCOUNT
NO DELAY**

Models range from
\$125 to \$235
Less Tubes

SCREEN-GRID

9 TUBES
INCLUDING RECTIFIER

Northern California Distributors

ELECTRIC SUPPLY COMPANY

325-329 13th St., Oakland
Phones GLencourt 4311-4312

EDD N. WATKINS

90 Ninth St., San Francisco
Phone HEmlock 1879

MICROPHONE GOSSIP



Ernie Smith, sports announcer for the Hearst Radio Service, will present a broadcast of the California-Stanford football game at Palo Alto, on November 23, over the Pacific Coast network of the Columbia Broadcasting and Don Lee Broadcasting systems. Smith's sports announcing includes experience in football, baseball, ice hockey, track and field, crew and basketball.

He was Pacific Coast swimming champion for five years, played baseball and football, and held the canoe tilting championship for two years in the West. The outlets for the "Big Game" broadcast include KHJ, KFRC, KMJ, KOIN and KVI.

* * *

Bill Reuter, KMO assistant operator, has been transferred to the sister station, KIT, at Yakima, and his place has been taken by Herb Okerlund, for the past six years ship's "sparks." And whether or not it has anything to do with Herb's leaving the bounding billows for the more anchored job, we understand that he is to be married in the very near future.

* * *

Myron Niesley, NBC tenor, started out to be a chemist and after graduating from Abilene University in Kansas he studied at the University of Pennsylvania. Singing during his college days, he decided he enjoyed the stage more than the laboratory. After trying both vocations during a year in Los Angeles he turned definitely to the stage and two years ago he was signed by NBC for his first program through the air.

* * *

Creating facilities to accommodate the largest orchestras, and such aggregations as Paul Whiteman's orchestra for Columbia national broadcasts from the West Coast, KHJ, the Don Lee station in Los Angeles, has dedicated a large new studio, almost identical in size to the one just built for KFRC, the sister Don Lee station in San Francisco.

* * *

The Pals' Club is an organization started by J. Howard Johnson, the big pun man of KNX, Hollywood. He got in the habit of addressing a young lady at the studio—Miss Opal—as "Oh! Pal." And first thing you know the Pal Club became a co-frat outfit with membership made up of proven pals.

Francis Sullivan, bibliophile, recluse, and known among literary circles of the Pacific Coast as "the man who never mispronounces a word," comes to KFI, Los Angeles, beginning a series of book reviews under the title, "Books I Have Kept." In his reviews Sullivan will discuss books which have earned a permanent niche in the libraries of persons whose taste has matured by reflection and experience.

* * *

Robert Olsen, KFRC's popular tenor, is one of the most serious members of the staff. Not that he can't laugh and do a little Swedish dialect when the occasion demands, away from the studios, but when it comes to his work he is hard working and conscientious. His ideal is to serve his public to the utmost of his ability.

* * *

To the prospective spectator at a broadcast, the NBC studios have much to offer, if the report of the hostess each evening is a criterion. Hundreds of people come every week to watch their favorite program. The appeal is so wide and interest so keen that an invitation system is employed which allows visitors to make application for admittance on a specified night. Thus congestion is avoided and everyone is able to see clearly the activity within the studios.

* * *

Charles Linn, high tenor for the Three Boys of KGO, has been singing bass over the air for the past five weeks due to a very bad cold. Fortunately the other two thirds of the trio have pliable voices, thereby enabling Lon Protteau to step into Linn's shoes for any high tenoring, with Reese Campbell, who regularly handles the low notes, becoming second tenor for the time being.

* * *

Gene Byrnes, most prolific of the composer-arrangers on the staff of KHJ, the Don Lee station in Los Angeles, has presented his 375th song to air audiences, called the "Song of the Vikings," and arranged for orchestra and male chorus.

* * *

KMO has extended remote control wires to the beautiful club house of the Elks' Lodge, wiring into the lodge room, for the purpose of broadcasting the band concerts each week.

Broadcast Weekly

whose name flashed across the horizon a few years ago as a comet, has made his debut this year in Los Angeles, Calif. As a rule inaccessibly shy, Deejakarta was induced by a friendship with Director Carl F. Moore to step into the microphone. So successful was his venture that Deejakarta decided to play again.

Bob, actor, scenario writer and producer for KNX, the Paradise, Los Angeles Evening Express and Hollywood, claims ownership of the station. He describes as the fullest blooded blood carrier there is.

"My daddy's so Scotch," Underwood asserts, "he's too stingy to give a full bark."

* * *

Gary Breckner, KHJ's new football announcer was on the mythical All-Western football team of 1916. He learned the game under Jesse Hawley at the University of Iowa. Breckner, a large, handsome youth, has sung and played important roles in the "Desert Song" and "Oh Kay." Fine baritone voice. He coached the Whittier College team which held the University of California to a 10-to-7 score. What is more important, Breckner, in the opinion of thousands of football fans, is the equal of any football announcer heard in the West.

* * *

Tom Wallace, baritone frequently heard over KNX, should know his way over the music sheets. Tom used to be a note teller in a Midlothian, Texas, bank.

* * *

Alan N. Cormack, chief engineer of the Don Lee station, KFRC, San Francisco, assisted in the erection and operation of the first bay region broadcasting station designed for commercial operation. Cormack was not only operator, personal owner of the tube used, and announcer, but he arranged the programs of phonograph records as well. He had the honor of putting on the air Madame Schumann-Heink in the fall of 1920.

* * *

According to the latest news received from KGER, Santa Claus arrived at that station recently in an airplane from his icy domain at the North Pole. He talks to the children over the air each afternoon between 4 and 5 o'clock. Children are urged to write their requests for toys and gifts to Santa Claus in care of KGER.

The OPEN CIRCUIT

Oakland, Calif., Oct. 29, 1929.

Broadcast Weekly,
San Francisco, California.

Dear Sir:

Yes, what else could one expect, a city where babies dare not cry, dogs dare not bark, cats must not meow, roosters must stop crowing, and humans just dare breathe, I am surprised they even allow a radio station. I am referring to the letter of P. B. Norman, who is so pleased that their station has nothing but classical music. Well, I'm glad he or she is glad and I am glad it's KRE, for Berkeley is a good place for it.

Sincerely,

A. B.

* * *

Watsonville, Calif., Oct. 31, 1929.

Editor Broadcast Weekly,
San Francisco, California.

Dear Sir:

Let me be frank at once—I hate jazz. Now, I want to make a suggestion. So many of the programs released these days are mixtures of jazz and good music. I recognize that "all kinds of people" must be pleased, and those who want jazz are entitled to it, of course. But why force jazz upon those who hate it, or, vice versa, why ask the jazz lover to "endure" the good music? In the half-hour programs give us fifteen minutes of jazz and fifteen of good music, and in the hour programs one half hour of each, and let us know when we may find our kind of music (can jazz be called "music"?) be it jazz or good. Isn't that fair?

I acknowledge that my hatred of jazz is violent. I will not listen to one number of it in anticipation of hearing next a number which I can enjoy. I used to be patient, and then the day came when I listened to five successive selections of insufferable jazz waiting to hear an announced number of which I happened to be particularly fond. That day saw the limit of my patience; now when jazz comes blazing on, off my radio goes at once. Call me intolerant, if you like.

But, back to the suggestion—isn't it feasible?

Sincerely,

(MISS) ANGELINE L. TOWNSEND.

WHAT IS THIS THING CALLED RADIO? GREAT OPERAS NOT TO COME

By "JK"

FICTION writers love to picture radio as an invisible genii, flitting about the world, under control of a push button, exploding enemy mines, sinking battleships, boring holes in buildings and revealing the secrets within, synchronizing watches in mines, and in general carrying-on like the hard-working secretary of a corporation president. In fact some of our scientific friends tell us radio will some day light our houses, run our vehicles, and manage all our multifarious daily routine.

Now we'd like to bet these gentlemen a plain brown cookie that radio will not do anything of the kind. Radio is a very particular scientific somebody. Radio likes to touch off things or wind them up to see them go, but radio carries within its bosom very little natural vigor and vim of its own. Radio is a controlling mechanism purely and simply. It is a form of electrical inspiration. It urges or leads other forces to do their stuff.

Engineers may build the finest radio station of which they are capable. They may jam 100,000 kilowatts into the antenna, if they choose. And a mile away, so little current is thrown out that it would not hatch a gnat's egg. It is all lost—all that giant power, within the short distance of a mile. Therefore we have the spectacle of engineers trying to make something do a vast work which is not fitted for that work and doesn't want to do it—and, in the ultimate analysis, will not do it. For radio is a stubborn little brute.

Radio is a key. It unlocks the doors of hidden forces. It is the mouse that gnaws the ropes on the lion. Radio will never drive anything. It is a series of electro-magnetic impulses, whose place in the world is like so many tiny little fingers, opening and shutting this and that door, pulling back this and that curtain, and revealing this and that new vista of scientific research. Radio is no galley slave dragging at an oar. It is a wand of magic, tipped with light, illuminating the dark spots of human understanding.

Inventors who believe they can harness radio and put it to work are wasting their time. Radio is a whisper in the ear of a stumbling scientist. Try to put a whisper to work. Try to reach out and grasp a whisper between thumb and forefinger. Wherefore, he who tells us that radio is to run our world, that radio is a giant power

THE Pacific Coast is not slowest Weekly
 one of the greatest grand operas ever attempted in the United States, though last-minute arrangements with sponsors, wire companies and such a might be effected so that local listeners hear the offerings.

Thirteen operas interpreted by the Chicago Civic Opera Company, during the 192-1930 season, the first of which was given Saturday, November 9, at 10 o'clock eastern standard time, constitutes the offering. What is declared by engineers to be the most complete and elaborate radio pick-up in the country is to be used on the series.

The pick-up is being installed in Chicago's new \$20,000,000 civic opera house at a cost of \$18,000. Twelve of the latest type condenser microphones with complete amplifying and control equipment, all in duplicate, are to be used to bring the voices, personality and music of the thirteen operas to the listening public. Fifty-three singers and conductors are included in the musical ensemble alone.

The operas will be broadcast by the National Broadcasting Company, but to only ten stations of their network system out of Chicago, according to present arrangements. None of the stations are on the West Coast, the one most available here, in a "DX" sense, being KDKA at Pittsburgh, Pa., from which reception may be had on short waves.

The opening night's opera was "Il Trovatore," with Munio, Hermanoy, Cyrena Van Gordon, Lazzari, Sandrini, Cortis and others of equal prominence in the leading rôles.

SERVICEGRAM

The selectivity of any receiver is reduced when the volume is turned too high. Reducing the volume cuts down interference. A short antenna, which automatically reduces volume accomplishes the same thing in another way. In general, forcing up the set compels it to pick up background.

just dying to be harnessed—he is full of ideas, but he is crazy as a hatter. Radio is just a public stenographer sitting in the public square, ready for business. And those who have understanding may have her services. But don't hand her a broom. That's not her line.

HEAR the 1930 APEX RADIO!

A NEW PEAK
IN RADIO
PERFORMANCE

A P E X
SUPER-SCREEN-GRID
NEW MULTI-PHASE CIRCUIT
FULL TONE-COLOR
ELECTRO-DYNAMIC
SPEAKER



Get acquainted with the APEX Super-Screen-Grid Radio. The set that's a year ahead of time! Features found in no other set. APEX new Multi-Phase Circuit, goal of radio engineers for years. APEX Full Tone-Color Electro-dynamic Speaker—crystal-clear, hum-free re-creation of every nuance of tone!

The set illustrated, APEX Model 11, Super-Screen-Grid in full walnut cabinet, \$124.50 less tubes. Other APEX models start at \$49.50.

Northern California Wholesale Distributor

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

255-261 Ninth Street, San Francisco
UNderhill 2900

2511 Broadway, Oakland
LAkeside 3833

LEAGUE OF NATIONS TO BROADCAST

(Broadcast Weekly's European Letter)

By MARTIN DUSHANE

PARIS, Nov. 1.—The announcement by the League of Nations that it would shortly erect a high-powered, short-wave broadcast station at Geneva, Switzerland, the famous "neutral point" of Europe, has aroused intense interest among students of international affairs.

The primary purpose is to insure independent communication in time of emergency. That the league inferentially recognizes the possibility of such an emergency and the failure of its own efforts to patrol Europe is held to be the most interesting phase of the matter. The natural question has arisen, do league members foresee a growing need for such a station?

Many European governments are in favor of the league station as a means of promoting pro-league sentiment in non-member countries, particularly the United States, through the use of propaganda. This, however, is negligible, the actual number of persons able to receive the station being infinitesimal in the present listening field.

The government of Switzerland, which adheres to neutrality and kept out of the World War only by the most strenuous efforts, has disapproved of the station. It was felt that utterances might emanate therefrom which would be displeasing to other governments and thereby involve Switzerland in complications which it did not care to assume. Negotiations have been under way for six months with the Swiss Government to permit the station plans to be carried out.

The league offered to pass a resolution that the Swiss Government should incur no responsibility for station utterances. This, the Swiss declared, was a poor protection against invasion, especially as the league would have no standing in the event Europe went to war. Adjustment of these difficulties, it is understood, has now been made and the work on the station will proceed.

Under the projected program, the station will broadcast certain items of general interest to the league to be picked up and re-broadcast by high-powered stations all over the world where this is practicable. The Dutch station PCLL has been conducting test programs for the league for transmission to America, Asia and Australasia most successfully.

The Swiss Government will have an ob-

FLYING LABORATORY TO TEST AIRCRAFT RADIO

HIGH in the air, and far from the disturbing effects of earth currents and power lines, a flying laboratory of the Bell Telephone Company, a Ford tri-motored metal plane, is busy over the Atlantic seaboard engaged in finding out just what radio equipment works best on airplanes, and why.

The plane is the most elaborately equipped air vehicle that ever circled the skies for scientific purposes. It carries radio apparatus of practically every known type. It has two trailing wire antennas, and two streamline vertical rod antennas, besides extra antennas on the wing struts which have been placed there through special construction.

Generators and storage batteries supply the power for the experiments which are being conducted there. The generators are so arranged that they may either drive the radio apparatus directly or be used to charge the battery compartment. Both wind-driven and engine-driven generators are included.

The plane carries a two-way telephone system for communication with ground stations and equipment for weather signals, radio beacon work, both transmission and reception, directional apparatus for locating other planes and ground stations, and machinery for measuring the strength of radio signals as to power and distance.

To avoid interference with the radio sets aboard, the spark plugs and ignition systems of the plane are carefully shielded and all of the metal parts of the plane are bonded to make one contact of the ensemble. The plane carries fourteen workers and crew members in addition to the immense amount of apparatus which is being tested out. On the results of the experiments and observations will depend much of the immediate radio equipment of present-day planes.

server attached to the station who will, in a sense, operate as a censor on its output. The whole plan seems somewhat visionary from a radio point of view and the importance of the broadcasts more or less theoretical. However, as an official talking point from the only war-free spot in Europe, it may some day cut a figure in international affairs. The official wave-lengths of the station have not yet been announced.

The Increasing Demand

for this new

PHILCO

Balanced-Unit RADIO

has been its greatest endorsement

As fast as Philcos can be shipped, the tremendous Philco Factory output is moved into thousands of homes every day! There is no factory warehouse stock! No slow moving Philco sets are stored in dealers' and jobbers' basements! People are buying Philcos just as fast as they are made!

And the reason is clear—because Philco Balanced-Unit Radio gives outstanding performance that cannot be excelled at any price. We challenge anyone to buy that same performance for less money! Philco sets give clear, true, undistorted tone only obtained by precisely Balanced-Units.

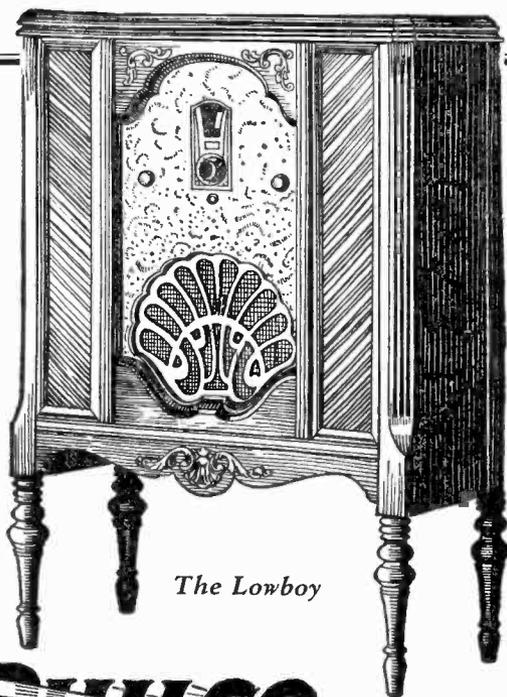
PHILCO SCREEN-GRID PLUS

A Super-Radio for people who want super performance is Philco Screen-Grid Plus; the newest addition to the famous Philco line! Super-Power to bring in hosts of far away stations; Extra sharp selectivity Volume without tone distortion; Automatic control of volume and fading; Reduction of background noises, and of course no hu-m-m! And many other outstanding features; the finest performance that money can buy.

*A Complete Range of
Prices*

\$72.00 to \$235.00

Less Tubes



The Lowboy

PHILCO

Tune in on Philco hour Friday evening at 6:30 p. m., Pacific Standard Time, NBC Stations KFI, KGO, KGW, KOMO, KHQ, KSL.

SAN FRANCISCO

LOS ANGELES

PORTLAND

SEATTLE

PIE TO FLOWERS IS PUBLIC'S GIFT

"RADIO'S applause," says "Roxy" in the *New York Times*, "includes everything from pie to flowers!"

Public enthusiasm, expressed for this and that radio favorite, takes many forms, not by any means limited to applause cards. Roxy's verdict is borne out by other announcers, who have received everything from live rabbits to hen eggs in their "fan" mail.

The radio public, says Roxy, is so used to certain announcers and entertainers in their homes that they talk of their most personal affairs in their "applause" letters—baby's teeth, grandma's sickness, the family mortgage and such things. Some even write in and ask business advice and still others ask for solutions of domestic problems.

Cakes pour in by the dozen. Appreciative women, who desire to express their pleasure at some program, send the station a cake, or a pudding or a couple of pies. Melons roll in, boxes of fruit, and one man sent in a set of false teeth to be forwarded to any radio fan who was "chomper-less." Some of the larger stations have offerings from nearly every state in the Union.

Perhaps the biggest station surprise was a piano. A piano man presented an eastern station with a piano in token of a particular program to which he had listened.

"I think your piano player needs a better instrument than he has," was his comment with the gift. The piano was a concert grand.

One station has twelve water colors which an enthusiastic artist sent to it with a card of thanks for one daily feature which he liked. Another received a family portrait album of the vintage of '82 with a red line penciled around the living listeners of that one family.

"So you'll know what we all look like," said the inscription.

The most practical gift known to have been sent to a radio station was a Midwest hen which laid an egg within five minutes after she had arrived in the studio with a gift card hung about her neck.

SERVICEGRAM

Any radio set, strained to the limit, loses quality. The best reception is had when the music or speech comfortably fills the room and enables the various parts to function as they should. The loss of quality is often due to the inability of the human ear to contend with sheer racket.

RADIO FIELD CRYING FOR IDEAS

NATIONAL popularity awaits the man or woman who can think up a new idea for a radio program. The old ones have been turned over like a delayed hot-cake until announcers are learning them all by heart. A new idea, or a new method of presentation—that is the crying need of the entertainment hours of the day and night.

Hardly an orchestra in the country, however small and insignificant, but has been called into service for radio purposes. Hardly a singer who can sing even passably, but who can claim one or more radio engagements a week. Vaudeville performers, actors, musicians, vocalists, entertainers, readers—all are being used. And the field fairly pants for ideas!

Jazz, of all the novelties, held the center of the spotlight longest. Jazz, as an institution, is on the down grade today, and in its place is growing a new type of music, purely American, which will use jazz for its thematic and rhythmic effects, but will run in more classical mould. Here is a new door opening from which may issue the coveted new idea of the program arranger.

It is a regrettable thing that advertising has taken the freshness off of much of the fine program stuff and cheapened its appeal. While heavily financed sponsorships have made possible certain broadcasts, otherwise too expensive for ordinary production, they have, at the same time, in many instances, tarnished the luster of the thing they gave us. By their grab at the publicity value they have held back the development of ideas, and actually retarded the stimulation of originality in program arrangement by making a billboard of the program itself.

Ideas that make for entertainment and pleasure—that is what radio needs today—ideas and sane judgment in their application, and a method by which they can be brought to the listening public without the radio owner being made to listen to a lot of advertising, squirted like oil, into the bearings.

SERVICEGRAM

When you try for some distant station and are met with a great crashing and popping when you turn up the volume control the difficulty is probably static. Static sometimes goes away after half an hour or so and reception may then be had with satisfaction.

**FACE-TO-FACE
REALISM
IS THRILLING
THE WORLD**



IN THE amazing Voice of the new Spartons there is a "something" more satisfying than its richness... more delightful than its purity... more captivating even than its smooth fullness. In FACE-TO-FACE REALISM there is the sensation of nearness... of intimacy... of the actual presence of the artists. Your entertainers become living, charming persons. We invite you to experience this delightful sensation.

Visit any authorized SPARTON Dealer, and—



Model 301

\$294.50

Complete with 10 Tubes and Speaker

Make the famous SPARTON "Listening Test"

SPARTON RADIO

"Radio's Richest Voice"

H. R. CURTISS CO.—Distributors

San Francisco, 895 O'Farrell Street

Oakland, 311 Tenth Street

EUGENE HAWES---"Pedro" of KFRC

By MONROE R. UPTON

WE FIRST met Eugene "Slim" Hawes when KFRC's studio was housed in the hermetically sealed glass box at the City of Paris, overlooking O'Farrell Street. "Mac" introduced him to me. He was a friend of Mac's—it seemed as though they had been mutually interested in the relative position of box cars in the S. P. yards. Tall and slender, dark complexioned, a black mustachio adorning a rather short upper lip over a rather prominent chin, brown, dreamy eyes, he impressed us at first as being one of those deadly earnest souls who invariably find sober significance in all the various manifestations of the human mind. (We somehow neglected the conflicting evidence of the eyes.) This opinion was further strengthened when we learned that he had the San Francisco agency for an automobile accessory, with headquarters on Van Ness Avenue. He talked of the qualities of the accessory with great speed and ability to convince. Just another of those brave, fortunate souls who are undaunted by the complex uncertainty of life because it has never occurred to them that life is anything else but rational and obvious, we thought. This opinion was soon worn away by the process of attrition.

We noticed first a fatal gregarious tendency in the tall, dark gentleman. He liked to occupy a generous portion of a davenport, with from one to six others in the room, and exchange stories and persiflage. Music, we observed, entered into these ad lib gatherings. Guitars, pianos, songs, figured prominently. We tried vainly to reconcile his capacity for slinging deadly sales talk with an artistic appreciation of all angles of loafing. Then it gradually dawned upon us that he was far from being mastered by acquisitive tendencies; that his soul belonged to poetry and not to the Golden Calf. We were soon congenial. He became one of those rare individuals in our lives—a good friend.

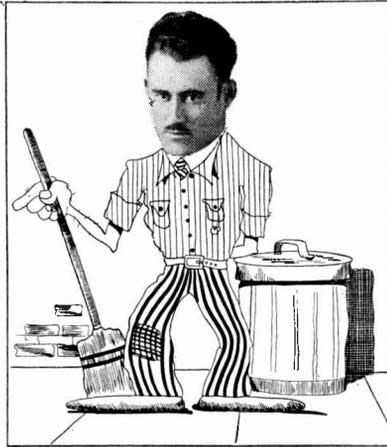
Instead of seeing significance in all the various manifestations of the human mind Eugene "Slim" Hawes, otherwise Pedro Gonzales, the dumb janitor of Seal Rocks,

sees a great variety of things that he finds amusing. He can't regard people who take themselves seriously at their own valuation. There is something in his makeup that is ignited by pretense, ponderosity, bombast, hypocrisy, ulterior motives and other such excess baggage to flame up in humor.

Eugene Edward Hawes (that's really his name—we didn't want to dress him up until we had to) was born in an orange grove in a little hamlet near San Bernardino called Rialto in 1895. A year later the family moved to a cattle ranch in the Mojave desert. His maternal grandmother taught him to read and write. At the age of five he started to a single-teacher school four miles from home, making the daily round trip on a horse. It was his custom to announce his generally belated arrival at the seat of learning by requesting one of the older pupils to unsaddle his steed for him. At about the same time he started riding after cattle and was considered a pretty fair hand,

though he didn't care for the cattle business and was only kept at it by heavy parental pressure. At the age of nine he moved to Barstow, California. He assisted his parents in clearing and grading the ranch, which is still the family homestead. He delivered milk and went to school. Let's let him tell the story from there on.

"I attended high school, but was removed therefrom on account of inattentance to studies. Back to valeting milch cows. At the age of seventeen I secured light work with the Santa Fe, pushing a freight truck twelve hours a day for the enormous wage of twenty-five cents per hour. This was a clear gain of six hours daily over the farm. Was fired several times for frivolous conduct. On my twentieth birthday I found myself with a pick handle in hand atop the army box cars which find their way through the extensive Santa Fe yards in Barstow, engaged in the business known as switching, very difficult toil indeed. I soon incurred the wrath of the boss by allowing a cut of cars to travel too rapidly down the yard, it being on a slope, to smash themselves be-



"PEDRO" OF KFRC
(Caricature by James Dickie)

yond repair, and became a tourist on the following day. I switched intermittently for the S. P. in San Francisco until 1925, when I went into business, but emerged soon after, unscathed, though penniless. I created the character of Pedro Gonzales with "Simpy Fitts" on his morning program. Pedro is a composite character of all the Mexicans I have known in my home town, where I learned to speak a variety of Spanish known as Pelado, pronounced 'Pelow.' I have a great deal of affection for Pedro Gonzales, as I feel that I alone understand him."

Gene has a great deal of love for his work, too. Comedy is perhaps his principal interest. He is an old Orpheum fan, and says he hopes some day himself to cause patrons of that circuit to roll in the aisles with laughter.

He has read widely in the literature of the past and present, and his likes and dislikes in this connection are very decided. Vanity Fair is perhaps his favorite magazine. In the matter of people, he says as a general thing he prefers "roughnecks." His definition of a roughneck, however, is not the conventional one. There are roughnecks of his variety on all levels of society.

Gene is very fond of jazz. The hotter and meaner the better he likes it. As for his dislikes, place work first, and anything serious second. This covers the field pretty thoroughly.

In addition to his appearance as "Pedro" over KFRC, he does other dramatic work as a character actor.



TOPICS OF THE TRADE

Walter F. Dissmeyer has been placed in charge of Day-Fan distribution by Edd N. Watkins of the Electric Supply Company's San Francisco offices. The Day-Fan, which is one of the most popular of the new-type radio products, has inaugurated a series of broadcast programs which are given over KFRC on Mondays, Wednesdays and Fridays. The General Motors Acceptance Corporation's buying plan is made available to the public by this particular distribution service.

The Cable Radio Tube Corporation of Brooklyn, N. Y., announces the appointment of C. M. McIntosh as western district sales manager with headquarters in Los Angeles. The Monarch Sales Company of San Fran-

cisco are local distributors. McIntosh will have charge of sales territory as far East as Denver.

Some 107 carloads of Bosch radio sets have been sold on the Pacific Coast alone in six weeks, according to an announcement by G. W. Stackman, Pacific Coast division manager of the American Bosch Magneto Corporation. The new Bosch 48 screen grid set is the outstanding offering of this concern and has been since its introduction at the R. M. A. radio show in Chicago, according to Stackman.

Leon Abrams, manager of the radio department of the Stockton Drygoods Company, and also secretary of the Stockton Music and Radio Trades Association, spent several days in San Francisco last week. Leon says that business in Stockton is very good.

The East Bay Radio Retailers' Association held their monthly meeting on Wednesday, October 30. This was a closed meeting for retailers only. A large attendance was there to discuss many subjects pertaining to merchandising, and as a result added several suggestions to their code of ethics. Larry Quimby, of the Breuner Company, is president.

The Stockton Music and Radio Trades Association will hold their first annual dance at the Civic Memorial Auditorium, Stockton, on November 16. They are making elaborate arrangements for entertainment which will be broadcast over the Stockton station, KWG. The price per couple is \$1. Everyone interested is invited.

The new board of directors of the Pacific Radio Trade Association, headed by A. H. Meyer, held its first meeting on October 31 at which time they approved the recommendations of the distributor group that of discontinuing public radio shows held here in the past during the month of August. The public in the past has had a tendency to hold off purchasing sets and waiting for the August show to see what they believe new models. As a matter of fact, manufacturers now tell us that they continue improving their sets and do not have a yearly model. The radio of today is standardized, and there is no object of announcing a period when new models will be put on the market. The predictions of the manufacturer is that there can possibly be no change unless to make it in their furniture.

A PAGE FROM THE NBC WOMAN'S MAGAZINE OF THE AIR

By MADONNA M. TODD

MORE than 30 NBC headliners are heard every week during the broadcasts of the "Woman's Magazine of the Air" through the half-dozen associated stations along the Pacific Coast.

The startling discovery results from a check-up inspired entirely by curiosity.

In addition there are the continuity writers who prepare, and the production department representative and the plant monitor who hear every performance of the Magazine program. These technicians round out the Magazine personnel to an approximate 40. "All of which places ours in a position unique among morning radio programs," ventures Bennie Walker, the editor, after he has compiled the striking figures. Then he turns to the eight-piece orchestra, billed as the Magazine Melodists, and directed by Joseph Hornik, an exclusive NBC conductor.

"Joe's musicians afford the most diversified programs," Ben points out. "They play anything from classics to the jazziest jazz. Joe, with the Magazine continuity writer, is responsible for the selections and he has a substantial job selecting about 35 numbers which are not scheduled for exposition on other programs during the day."

Hornik is reticent when one asks him about his programs.

"Yes," he admits modestly. "We try to choose music which will provide atmosphere. We selected 'Good News' as the Magazine theme song quite logically and then we chose 'You're the Cream in My Coffee' for the M. J. B. feature and 'Old-fashioned Garden' for Sunset Magazine. By the same token, 'Lonesome Little Doll' and 'Beautiful Lady' are appropriate selections for the Cutex 20-minutes and 'Little Gray Home in the West' for any Sunset feature.

"We make an effort to choose numbers that won't be duplicated in other programs. This is difficult with hundreds of vocals and instrumentals interpreted every week."

Hornik came to the National Broadcasting Company quite by accident.

"I was walking down Market Street, San Francisco, and met up with Max Dolin. He invited me over and I came," Jo explains. "I'd just toured the Orient and I was quite



JOSEPH HORNIK

ready to remain in America." Joe likes playing his violin before the microphone, but he does not want to speak into the magic instrument. A native of Austria, the conductor grew up in Vienna and at the beginning of the World War was playing engagements in Moscow. His experience then was exciting, he admits.

The others in the Magazine orchestra are quite as versatile as their leader. Several play as many as four instruments and everyone is credited with at least two.

Vocalists "on the Mag"—in the language of the studio—all are stars who have vast followings. Those heard every week are Eileen Piggott, Marian Gilbert, Gwynfi Jones, Harry Stanton, "John and Ned," Harold Spaulding, Jack Deane, Irving Kennedy, John Teel and the colored tenor, William Powers.

Mrs. Piggott is known popularly as the feminine star of Memory Lane. She plays "Ma" Smithers, with Master Billie Page, the NBC juvenile headliner, and is the soprano soloist on a number of important broadcasts.

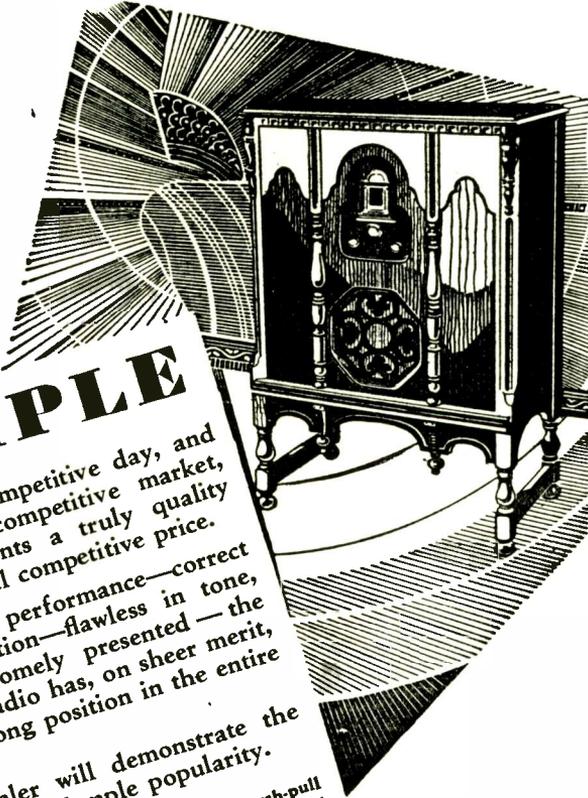
Miss Gilbert is heard every Monday night as the contralto "Voice of Firestone." Harold Spaulding is recognized as one of the important tenors on the Pacific Coast, and when John Teel is not on the air he's singing in operas, presented by the Oakland Operalogues group. Jack Deane is a tenor whose success in radio came literally "over night." "John and Ned" supply the comedy songs for many broadcasts every week. Bennie Walker also is heard in this type of interpretation and singing old-fashioned ballads. Mr. Powers confines his talent to the rendition of spirituals and favored tunes of the South in "Cotton Blossom Minstrels" and "Cabin Door."

John Barry, San Francisco columnist and critic, Ann Holden, Helen Webster, Sara Treat, Marjorie Gray, Georgia Simmons as "Magnolia" and Bennie Walker are the Magazine staff members heard along with the vocalists and musicians.

Their programs for this week will be found in the Broadcast Weekly program schedule.

TEMPLE RADIO

.. Merit Brings It National Popularity



TEMPLE

In a highly competitive day, and in a highly competitive market, Temple presents a truly quality radio at a real competitive price.

Brilliant in performance—correct in construction—flawless in tone, and handsomely presented—the Temple Radio has, on sheer merit, won a strong position in the entire country.

Any dealer will demonstrate the reasons for Temple popularity.

Temple is all-electric—six 227 tubes—push-pull amplification—using two new 245 power tubes—full-wave rectification. A power supply oversized in every respect in combination with the Temple Dynamic Speaker assures matchless tone for Temple Receivers. The Temple Console . . . \$159; The Temple Grand Console . . . \$179 (less tubes). The Temple Receivers are licensed by R. C. A. and Associated Companies.

Distributed by

JOHN G. RAPP CORPORATION

123 Second Street

San Francisco, Calif.

SUNDAY Programs

NBC

National Broadcasting Company

- 11 to 12 noon—Grace Cathedral Service
The Rt. Rev. William Hall Moreland, D.D., is to be the guest preacher at Grace Cathedral this morning during the service which will be broadcast through KGO.
- 12 to 1 p. m.—National Youth Conference
"Beasts of the Dark" will be Dr. Daniel A. Poling's topic when he speaks to a nationwide audience during the National Youth Conference broadcast. A mixed quartet, including Muriel Wilson, soprano; Helen Janke, contralto; Richard Maxwell, tenor, and Earl Waldo, bass, will present a musical program under George Shackley's direction. An orchestra will accompany the singers
Broadcast through KGO, KHQ, KOMO (12:15 to 1 p. m.) and KGW.
- 1 to 2:30 p. m.—Dr. S. Parkes Cadman Cathedral Hour
Dr. S. Parkes Cadman will address his invisible radio congregation on the subject, "The Test of Life." Sacred music sung by the Cathedral Studio Choir under the direction of George Dilworth will complete the non-denominational church service
Broadcast through KGO, KHQ, KOMO and KGW (1:45 to 2:30 p. m.).
- 2:30 to 3 p. m.—Gilbert Sports Revue
Captain "Biff" Jones, West Point football coach, will be the speaker as the second Gilbert Sports Revue is broadcast. The Erector Buddies, a football band with male chorus, will also be heard during the program, which will be released through KGO, KHQ, KOMO, KGW and KFI.
- 3 to 3:30 p. m.—Sir Conan Doyle Series, KGO.
- 3:30 to 4 p. m.—Whittall Anglo-Persians
Carried on their magic carpet to far-away lands whose picturesque beauties are suggested in vivid and diverse tone-pictures, the Whittall Anglo-Persians will broadcast a half hour musical program. With Louis Katzman as their leader, the instrumentalists will offer melodies of familiar loveliness from Liza Lehmann's song cycle, "In a Persian Garden," as the opening selection. Included in their program are also a salon arrangement of Friml's "Indian Love Call" and Tchaikowsky's colorful, richly orchestrated "Marche Slav."
Broadcast through KGO, KHQ, KOMO, KGW and KFI.
- 4 to 4:30 and 5 to 6:15 p. m.—Sunday Concert.
"Hymn to the Sun" by Rimsky-Korsakoff and Victor Herbert's fantastic as well as humorous "March of the Toys" are slated for performance during the Sunday concert periods, the first of which will be given from 4 to 4:30 o'clock, with the second scheduled for presentation at 5 o'clock.
A concert orchestra of 25 pieces will be heard in the first period, which will consist entirely of instrumental selections with the song of the veiled lady in "Hymn to the Sun" furnishing the program with its high-light. Charles Hart is the conductor.
Broadcast through KGO, KOMO and KGW, the second part through KGO.
- 4:30 to 5 p. m.—Duo Disc Program
Memories of war days in France are brought to mind in Massenet's "Under the Lindens," which will be offered as an instrumental duet. With the aid of a cello doubling

for a man's voice and with the violin substituting for the voice of a woman, Massenet pictures a couple sitting beneath the linden trees during a brief lull in the war and speaking of love.

There will be several vocal offerings by the Duo Disc Duo in this program. Alternating with these numbers will be five orchestral selections.

Broadcast through KGO, KHQ, KOMO and KGW.

- 5:15 to 6:15 p. m.—Collier's Radio Hour
With a guest speaker presenting a brief talk, and drama and music completing the program. Collier's Radio Hour will be broadcast through KHQ, KOMO, KGW, KPO and KFI.
- 6:15 to 7:15 p. m.—Atwater Kent Program
Giovanni Martinelli, internationally renowned tenor of the Metropolitan Opera Company, is the distinguished guest artist who will sing today. Martinelli, famed in concert as in opera and a favorite with audiences of the air as well, has risen to his present position as one of the greatest tenors of all time in less than two decades. His first public appearance as a vocalist was made December 3, 1910, in Rossini's "Stabat Mater" in Milan, Italy. Two weeks later he made his operatic debut in "Ernani."
Broadcast through KGO, KHQ, KOMO, KGW, KPO and KFI.
- 7:15 to 7:45 p. m.—Studebaker Champions
"Am I Blue" and "Gypsy" are the popular syncopations chosen by the Piano Twins, Beryl Retting and Dick Platt, as their contribution. Jean Goldkette will direct the 30-piece band which will open its weekly program with "Cross Roads" from the musical comedy, "Show People."
Broadcast through KGO, KHQ, KOMO, KGW, KPO and KFI.
- 7:45 to 8 p. m.—"Enna Jettick Melodies"
Eva Atkinson, Barbara Blanchard, Austin Mosher and Myron Niesley are the singers and Joseph Hornik directs the instrumentalists presenting "Enna Jettick Melodies." "Ramona" will be interpreted with Miss Atkinson the soloist and "Come Ye Disconsolate" is the hymn which closes the program.
Broadcast through KGO, KHQ, KOMO, KGW, KPO and KFI.
- 8 to 8:15 p. m.—The Pilgrims, KGO.
- 8:15 to 8:45 p. m.—Christmas Club Program (Transcontinental). Broadcast through KGO, KFI and KGW.
- 8:45 to 9 p. m.—The Pilgrims, KGO.
- 9 to 9:30 p. m.—The Reader's Guide, KGO.
- 9:30 to 10 p. m.—Stanislas Bem's Little Symphony, KGO.

468.5 Meters
640 Kcys.

KFI

Channel 64
5000 Watts

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

- 10 a. m.—L. A. Church Federation program
10:50 a. m.—Temple Baptist Church
2:30 p. m.—Gilbert Sports Revue, NBC
3:30 p. m.—Whittall Anglo-Persians, NBC
4 p. m.—Margaret Ruth Kernan
4:30 p. m.—Leila Castberg, "Advanced Thought"
5 p. m.—Genevieve Behrend, "Science of Life"
5:15 p. m.—Collier Hour, NBC
6:15 p. m.—Atwater Kent, NBC
7:15 p. m.—Studebaker Champions, NBC
7:45 p. m.—Enna Jettick Melodies, NBC
8:15 p. m.—Christmas Club program, NBC
8:45 p. m.—Concert half hour
9:15 p. m.—Aeolian organ recital
10 p. m.—Wally Perrin's dance orchestra; Jean Dunn, soloist

SUNDAY Programs

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

General Electric Co., Oakland, California

11 to 1 p.m.—Grace Cathedral services
12 to 1 p.m.—National Youth Conference
1 to 2:30 p.m.—Dr. S. Parkes Cadman, Cathedral Hour
2:30 to 3 p.m.—A. C. Gilbert Co., NBC
3 to 3:30 p.m.—Sir Conan Doyle series
3:30 to 4 p.m.—Whittall Anglo-Persians
4 to 4:30 p.m.—Afternoon concert
4:30 to 5 p.m.—Duo Disc program
5 to 6:15 p.m.—Studio concert
6:15 to 7:15 p.m.—Atwater Kent program
7:15 to 7:45 p.m.—Studebaker Champions
7:45 to 8 p.m.—Enna Jettick Melodies
8 to 8:15 p.m.—The Pilgrims
8:15 to 8:45 p.m.—Christmas Club program
8:45 to 9 p.m.—The Pilgrims
9 to 9:30 p.m.—“The Reader’s Guide,” Joseph Henry Jackson
9:30 to 10 p.m.—Stanislas Bem’s Little Symphony, Hotel Whitcomb, San Francisco

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

Fisher’s Blend Station, Seattle, Washington

10 a.m.—International Bible Students’ Assoc.
11 a.m.—Lucile Johnson, pianist, and Fred Lynch, tenor
11:15 a.m.—Plymouth Congregational Church
12:15 p.m.—National Youth Conference, NBC
1 p.m.—Dr. S. Parkes Cadman, NBC
2:30 p.m.—A. C. Gilbert Co. program, NBC
3:30 p.m.—Whittall Anglo-Persians, NBC
4 p.m.—Sunday concert, NBC
4:30 p.m.—Duo Disc program, NBC
5 p.m.—Rhena Marshall, soprano, and Fred Lynch, tenor
5:15 p.m.—Collier Hour, NBC
6:15 p.m.—Atwater Kent program, 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.—Studio program
9:30 p.m.—Francesco Longo’s Philharmonic Orchestra
10:30 to 11 p.m.—Artistic Ensemble

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

Don Lee, Inc., Los Angeles, California

8 to 9 a.m.—Recordings
9 to 11 a.m.—Pacific States Sav. & Loan Co. program
11 to 12:30 p.m.—First M. E. Church services
12:30 to 1:30 p.m.—Terpezone program
1:30 to 2 p.m.—From KFRC
2 to 2:30 p.m.—McKeesson and Robbins program, CBS
2:30 to 3:15 p.m.—Recordings
3:15 to 4 p.m.—Art Fadden, pianist
4 to 4:30 p.m.—Recordings
4:30 to 5 p.m.—Rabbi Edgar Magnin
5 to 5:30 p.m.—Tea Time Three (from KFRC)
5:30 to 6 p.m.—Sonatron program, CBS
6 to 7 p.m.—Majestic Theatre of the Air, CBS
7 to 7:30 p.m.—First M. E. Church services
7:30 to 8 p.m.—Royal Typewriter program, CBS
8 to 10 p.m.—Program from KFRC
10 to 10:10 p.m.—World-wide news
10:10 to 11 p.m.—Program from KFRC
11 to 1 a.m.—Wesley Tourtellotte, organist

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

Pacific Broadcasting Corp., San Francisco

11 to 11:30 a.m.—Recordings
11:30 to 12 noon—Fox and Warfield program
12 to 1:15 p.m.—Old St. Mary’s Church services
1:15 to 2:15 p.m.—Classical recordings
2:15 to 5 p.m.—Football, Army vs. Olympic Club
5 to 6 p.m.—Saphire Musical Gems
6 to 6:30 p.m.—Sidley Company program
6:30 to 7 p.m.—Program for Fox and Warfield
7 to 8 p.m.—Pacific Artists’ Trio, Liborius Hauptmann directing, with Dorothy Lewis, contralto
8 to 9 p.m.—Old St. Mary’s Church services
9 to 10 p.m.—Pacific Artists’ Trio, under the direction of Liborius Hauptmann, with Nellie Wren, soprano
10 to 11 p.m.—Silver Slipper Cafe orchestra
11 to 12 midnight—Byington Electric program
12 to 1 a.m.—All request program

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

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

9 to 11 a.m.—Musical program of recordings
11 to 12:30 p.m.—First Presbyterian Church
12:30 to 1 p.m.—Musical program
1 to 2 p.m.—International Bible Students
2 to 4 p.m.—City Park Board musical program
4 to 5 p.m.—Radio Church of the Air
5 to 5:30 p.m.—Louise Johnson, astroanalyst
6 to 6:30 p.m.—Talk by Dr. Earnest Holmes
6:30 to 7 p.m.—Dr. Theodore Curtis Abel
7 to 8 p.m.—Calmon Lubovski, violinist; Claire Mellonino, pianist; Walter V. Ferner, cellist
8 to 9 p.m.—First Presbyterian Church
9 to 9:15 p.m.—Program of recordings
9:15 to 10:15 p.m.—Courtesy program

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

Louis Wasmer, Inc., Spokane, Washington

9 to 10 a.m.—The Friendly Hour
10 to 11 a.m.—I. B. S. A.
11 to 12 noon—Central Meth. Episcopal Church
12 to 1 p.m.—Nat’l Youth Conference, NBC
1 to 2:30 p.m.—Dr. S. Parkes Cadman, NBC
2:30 to 3 p.m.—Gilbert Sports Revue, NBC
3:30 to 4 p.m.—Whittall Anglo-Persians, NBC
4 to 4:30 p.m.—Matched Unit Trio
4:30 to 5 p.m.—Duo Disc, NBC
5 to 5:15 p.m.—Concert Trio
5:15 to 6:15 p.m.—Collier Hour, NBC
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.—New Episcopal Cathedral
9 to 9:30 p.m.—Blumauer Frank, NWT
9:30 to 10:30 p.m.—Cities Service concert

299.8 Meters **KFVD** **Channel 100**
1000 Kcys. **250 Watts**

Auburn Fuller, Culver City, Calif.

8 a.m.—Popular program
9 a.m.—Happy-Go-Lucky Trio
10 a.m.—Barrows Hour
11 a.m.—Madame Zollar’s Beauty Hour
12 noon—Hal Roach Comedy Gossip
1 p.m.—“Inspiration”
2 p.m.—Sacred Half Hour
2:30 p.m.—Operatic period, “Bayreuth Festival”
4 p.m.—De Witt Hagar’s program
9 p.m.—Community program
11 p.m.—Records

SUNDAY Programs

535.4 Meters **KTAB** Channel 56
560 Kcys. 1000 Watts
 Pickwick Broadcasting Co., Oakland, Calif.

9 to 10 a.m.—Dr. B. L. Corley
 10 to 11 a.m.—Bible class
 11 to 12:30 p.m.—Tenth Ave. Baptist Church
 12:30 to 1 p.m.—Chapel of the Chimes
 1 to 2 p.m.—Church of the Latter Day Saints
 2 to 2:15 p.m.—Recordings
 2:15 to 5 p.m.—Football game broadcast
 5 to 6 p.m.—Chapel of the Chimes
 6 to 6:30 p.m.—Edison Hour
 6:30 to 7 p.m.—Dr. Tindall
 7 to 7:30 p.m.—Mae Thompson, soprano; Jane S. Sands, accompanist
 7:30 to 9:30 p.m.—Tenth Ave. Baptist Church
 9:30 to 10 p.m.—Brunswick Hour

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

Tribune Publishing Co., Oakland, Calif.
 5 to 6 p.m.—Chas. T. Besserer at Scottish Rite organ
 6 to 7 p.m.—Recordings
 7 to 8:30 p.m.—Pacific Slope Dairy

280.2 Meters **KJBS** Channel 107
1070 Kcys. 1000 Watts

J. Brunton & Sons, San Francisco, Calif.
 8:30 to 9 a.m.—Records
 9 to 9:30 a.m.—Esrey program
 9:30 to 10 a.m.—Medicine Man Melodies
 10 to 10:30 a.m.—Sunshine Half Hour
 10:30 to 11 a.m.—Recorded music
 11 to 11:30 a.m.—Selix program
 11:30 to 12 noon—Concert music
 12 to 12:30 p.m.—Les Poe and Jack Dean
 12:30 to 1 p.m.—Thorobred tunes
 1 to 1:30 p.m.—Hot N Kold Melodies
 1:30 to 2:30 p.m.—Popular record program
 2:30 to 3 p.m.—Chas. Warriner, baritone
 3 to 3:30 p.m.—Mabel H. Payne, soprano
 3:30 to 3:45 p.m.—Variety record program
 3:45 to 4:45 p.m.—Sapphire program

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

The Morning Oregonian, Portland, Oregon
 10 to 11 a.m.—International Bible Students
 11 to 12 noon—Church service
 12 to 1 p.m.—National Youth Conference, NBC
 1 to 1:30 p.m.—Catholic Truth
 1:30 to 1:45 p.m.—Studio program
 1:45 to 2:30 p.m.—Cadman service, NBC
 2:30 to 3 p.m.—Gilbert Sports Revue, NBC
 3 to 3:30 p.m.—Concert
 3:30 to 4 p.m.—Whittall Anglo Persians, NBC
 4 to 4:30 p.m.—Sunday concert
 4:30 to 5 p.m.—Duo Disc, NBC
 5 to 5:15 p.m.—"Book Chat"
 5:15 to 6:15 p.m.—Collier Hour, NBC
 6:15 to 7:15 p.m.—Atwater Kent Hour, NBC
 7:15 to 7:45 p.m.—Studebaker program, NBC
 7:45 to 8 p.m.—Enna Jettick Melodies, NBC
 8 to 8:15 p.m.—Baker's Enna Jetticks
 8:15 to 8:45 p.m.—Christmas Club program, NBC
 8:45 to 9 p.m.—"Colonial String Quintet"
 9 to 9:30 p.m.—Blumauer Frank
 9:30 to 10 p.m.—"KGW Chanters"
 10 to 11 p.m.—Little Symphony Orchestra
 11 to 12 midnight—Fox Hollywood organ

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

Oakland Educational Society, Oakland, Cal.
 9:45 to 11 a.m.—Organ prelude; children's radio story, B. F. Holiday; special musical selections; Bible lecture, I. B. S. A. speaker
 11 to 12 noon—Select recordings
 12 to 1 p.m.—The Aeolian Trio
 1 to 1:25 p.m.—Bible Questions and Answers, C. R. Little
 1:25 to 2:30 p.m.—The Watch Tower program, arranged and presented by I. B. S. A. of San Francisco; special musical selections; Bible discourse
 6 to 7:45 p.m.—Congregational singing; Bible lecture; Bible dialogue; special musical selections
 9:15 to 10:15 p.m.—Special Greek program with discourse in Greek language

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

Radio Entertainments, San Francisco, Calif.
 2:30 to 4 p.m.—Popular recordings
 4 to 5 p.m.—Semi-classical hour
 5 to 6 p.m.—Sunset Hour of Music
 7:50 to 9:15 p.m.—Services, Fourth Church of Christ, Scientist

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

Intermountain Broad. Corp., Salt Lake City
 5 p.m.—Musical Shower
 5:30 p.m.—Sonatron program, CBS
 6 p.m.—Majestic Theater of the Air, CBS
 7 p.m.—Arabesque, CBS
 7:30 p.m.—Jesse Crawford, organist, CBS
 8 p.m.—Grand opera sketches
 9 p.m.—Johnny Rosell's dance orchestra
 9:30 p.m.—Varieties
 10 p.m.—Dance music
 11 p.m.—Old and new popular dance hits

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

Trinity Methodist Church, Los Angeles, Cal.
 8:30 a.m.—Morning Watch Quartet
 10 a.m.—Claude H. Heskett's Bible class
 10:45 a.m.—Trinity M. E. Church
 2 p.m.—Epworth M. E. Church
 3 p.m.—West Coast Academy of Music
 4 p.m.—Lutheran Churches of So. California
 4:30 p.m.—Hired Man
 5 p.m.—Vesper Hour
 7 p.m.—Prelude Hour of Bob Shuler

223.7 Meters **KMO** Channel 134
1340 Kcys. 500 Watts

KMO, Inc., Tacoma, Washington
 9 to 11 p.m.—Dance music from the Oakes

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

Warner Brothers, Hollywood, California
 8:30 to 9 a.m.—The Funny Paper Man
 9 to 12:30 p.m.—Late recordings
 6:30 to 7 p.m.—Harry Jackson's entertainers
 7 to 7:30 p.m.—Hollywood Athletic Club orchestra
 7:30 to 8 p.m.—Burr McIntosh, Cheerful Philosopher
 8 p.m.—Dale Imes' Hollywood Revelers; Ina Mitchell Butler, soprano; Vernon Rickard, tenor
 9 to 11 p.m.—Bill's Ragtime Review

**ATWATER KENT
RADIO**

Now!

An Atwater Kent
Console for

\$106

(Complete less tubes)



ERNEST INGOLD, INC.

930 Van Ness Avenue

San Francisco



MONDAY Programs

NBC

National Broadcasting Company

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

“I Kiss Your Hand, Madame,” the Cutex theme song, will herald the broadcast today.

Marjorie Gray will speak during this feature. The editorial 20 minutes which follows will bring before the microphone John D. Barry, columnist and critic.

“The Dream Girl,” a brilliant sketch by Harry De Lasaux, will be presented afterward by Collins Maccrae, Bert Horton and Eileen Piggott.

Miss Piggott also will be heard singing and John Teel, baritone, is the other soloist.

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

1:30 to 2:30 p.m.—Pacific Vagabonds

Popular syncopations arranged especially for the Pacific Vagabonds will be broadcast an hour today over KGO and KGW.

3 to 3:30 p.m.—Mormon Tabernacle Program

Majestic choral music, interpreted by 300 vocalists who form the nationally-famed choir of the Mormon Tabernacle at Salt Lake City. Assisting the choir in this program will be Frank W. Asper, organ soloist, who will present among other numbers his original transcription of the old favorite, “Bendemeer's Stream.”

Anthony C. Lund, choral director, has made a special arrangement of Auerbach's “Have Faith, Ye Saints,” for the opening choir selection. Tracy Y. Cannon will be the organ accompanist. A vocal duet will augment another choral offering, Parks' “I Will Arise.”

Broadcast through KGO, KOMO, KGW and KPO.

4:45 to 5 p.m.—“Back of the News in Washington.”

William Hard, political analyst and well-known correspondent, will present his views on important current events of national interest as he speaks through KGO and KGW.

6 to 6:30 p.m.—Edison Program

Twelve war tunes will be sung and played during the Edison program dedicated to the American Red Cross, which is to be offered to the nation-wide audience. “Keep the Home Fires Burning,” “Long, Long Trail,” “Katie” and “Over There” are some of the marching songs to be played by the Edison orchestra, with a medley of favorites bearing the general title of “Memories of France” announced for interpretation by the Edisonsingers.

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

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

A General Motors Family Party is to be staged for the nation-wide audience of the NBC System tonight through KGO, KHQ, KOMO, KGW and KFI.

7:30 to 8 p.m.—“The Empire Builders”

Another dramatic event leading up to the present development of the Northwest will be related by the “Old Pioneer” during “The Empire Builders” broadcast through KGO, KHQ, KOMO, KGW and KFI.

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

Playing a “Lullaby” by Cyril Scott, Rudy Seiger will appear as violin soloist during his broadcast. The orchestral selections pro-

grammed for the hour include excerpts from Balfe's operetta, “The Bohemian Girl,” first produced in London in 1843 and still numbered among music-lovers' favorites; Schubert's classic ballet suite from “Rosamunde,” a romantic and unsuccessful play which not even his immortal music could save from oblivion, and Gounod's overture to “Mireille,” an opera of southern France.

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

9 to 9:30 p.m.—“Voice of Firestone”

A brilliant array of musical talent will contribute to this program. There will be two vocal soloists, Easton Kent, tenor, and Marlan Gilbert, contralto; a male singing ensemble of eight voices and an orchestra of 32 pieces headed by Max Dolin.

Broadcast through KGO, KHQ, KOMO, KGW, KFI, KSL and KGA.

9:30 to 10 p.m.—“The Cigar Band”

Three fox-trots of wide popularity in the past will be revived when this dance group presents a half hour program. “Crooning,” “Avalon” and “Whispering” are the trio of former favorites which will be heard in special arrangements under Walter Bebans direction.

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

10 to 12 midnight—Atwater Kent District Audition

The Atwater Kent District Audition will be broadcast tonight between 10 and 12 o'clock through NBC System stations KGO, KHQ, KOMO, KGW, KPO and KFI.

265.3 Meters

KSL

Channel 113

1130 Kcys.

5000 Watts

Radio Service Corp., Salt Lake City, Utah

5 p.m.—Dance orchestra

5:30 p.m.—Vocal and instrumental selections

6 p.m.—Edison program, NBC

6:30 p.m.—General Motors, NBC

7 p.m.—Program of diversified musical selections, “Western Hour”

7:30 p.m.—Great Northern Railroad program, NBC

8 p.m.—“Amos 'n' Andy,” NBC

8:15 p.m.—“The Jewel Box”

9 p.m.—“The Voice of Firestone,” NBC

9:30 p.m.—Diversified musical program

10 p.m.—Slumber Hour, NBC

526 Meters

KXA

Channel 57

570 Kcys.

500 Watts

American Radio Tel. Co., Seattle, Wash.

7 a.m.—Sunshine Jack

8:45 a.m.—Health exercises by Y. W. C. A.

9 a.m.—Uncle Ash and the market hour

10 a.m.—Inspirational services

10:30 a.m.—Miss Opportunity

11 a.m.—Sunshine Hour

12 noon—Noontime concert

1 p.m.—Popular music

2 p.m.—Organ concert

3 p.m.—Bridge Party Hour

4 p.m.—Song and piano recital

5 p.m.—Hawaiian music

6 p.m.—Northwestern Crier Hour

6:50 p.m.—Elvira Herman kiddies' program

7 p.m.—Myrtle Hedman

7:15 p.m.—Organ music

7:45 p.m.—Hawaiian music

8 p.m.—Roy Oxman

8:15 p.m.—Popular records

9 p.m.—Trio

9:15 p.m.—Concert feature

10 to 11 p.m.—All request dance program

MONDAY Programs

535.4 Meters **KTAB** Channel 56
5600 Kcys. **1000 Watts**

Pickwick Broadcasting Co., Oakland, Calif.
7 to 8 a.m.—Eye Openers
8 to 9 a.m.—Recordings
9 to 9:30 a.m.—Morning Prayer Hour
9:30 to 10:30 a.m.—Recordings
10:30 to 11 a.m.—Dr. B. L. Corley
11 to 12 noon—Barney Lewis' Tabloid of the Air
12 to 1 p.m.—Sterling Cosmopolitans
1 to 1:30 p.m.—Chapel of the Chimes
1:30 to 2 p.m.—Recordings
2 to 3 p.m.—Organ recital with Alice Blue, Mabel Payne, soprano
3 to 4 p.m.—Melody Masters
4 to 5 p.m.—Home Towners
5 to 6 p.m.—Brother Bob's Frolic Hour
6 to 6:30 p.m.—Sterling Cosmopolitans
6:30 to 7 p.m.—Twilight Hour
7 to 7:30 p.m.—Recordings
7:30 to 8:30 p.m.—Organ recital; Alice Blue, organist
8:30 to 10 p.m.—Ice hockey, with Ernie Smith announcing
10 to 11 p.m.—Pickwick Travelogue with the Melody Masters
11 to 12 midnight—Pickwickians Dance Orchestra, Scharlin and Sally Harrison
12 to 1 a.m.—Slumber Chasers

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

Louis Wasmer, Inc., Spokane, Washington
6:45 to 7 a.m.—Inspirational service
7 to 8 a.m.—Making Merry with Sperry, KPO
8 to 9 a.m.—Shell Happy Time, KPO
9 to 10 a.m.—Musical Bazaar
10 to 10:30 a.m.—Sunshine program
10:30 to 11:30 a.m.—Woman's Magazine of the Air, NBC
11:30 to 12 noon—Farmers' Service Hour
12 to 12:15 p.m.—Nat'l Sav. Luncheon program
12:15 to 12:30 p.m.—Musical program
12:30 to 1 p.m.—Gold Seal program
1 to 1:30 p.m.—Crosley Musical Review
1:30 to 1:45 p.m.—Miss Modern shops a la mode
1:45 to 2 p.m.—Fur Facts
2 to 3 p.m.—Washington Home Service
3 to 3:30 p.m.—Theatrical Review
3:30 to 4 p.m.—Paint o' Mine period
4 to 5 p.m.—Concert orchestra
5 to 5:30 p.m.—Matched Units Hour
5:30 to 6 p.m.—Dutch Dough Boys
6 to 6:30 p.m.—Edison program, NBC
6:30 to 7:30 p.m.—General Motors Party, NBC
7:30 to 8 p.m.—Empire Builders, NBC
8 to 9 p.m.—Rudy Seiger's Shell Symphonists, NBC
9 to 9:30 p.m.—Voice of Firestone, NBC
9:30 to 10 p.m.—The Cigar Band, NBC
10 to 12 midnight—Atwater Kent District Audition
12 to 12:30 a.m.—Organ concert

225.4 Meters **KGB** Channel 133
1330 Kcys. **250 Watts**

Pickwick Broadcasting Co., San Diego, Cal.
7 to 8 p.m.—Jim Mills and Minor Twins
8 to 9 p.m.—Tony and Chuck, Verlie Barclay
9 to 10 p.m.—Aloha Boys Hawaiian Trio and Harry Woods
10 to 12 midnight—Kennedy's Nite Club

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

Tribune Publishing Co., Oakland, Calif.
7 to 8 a.m.—Exercises; stocks
8 to 9 a.m.—Jean Kent
9 to 9:30 a.m.—Modern Homes period
9:30 to 10:15 a.m.—Health questions answered
10:15 to 10:30 a.m.—S. F. stocks; weather
10:30 to 11 a.m.—Recordings
11 to 12 noon—Classified adv. hour
12 to 1 p.m.—Machados KLX Hawaiians
1 to 2 p.m.—Jean's Hi-Lights
2 to 2:30 p.m.—Recordings
2:30 to 3:30 p.m.—Opportunity hour
3:30 to 3:50 p.m.—Recordings
3:50 to 4 p.m.—Belco talk
4 to 4:30 p.m.—The Happy Hayseeds
4:30 to 5 p.m.—Records
5 to 5:30 p.m.—Brother Bob
5:30 to 6 p.m.—Cressy Ferra, pianist
6 to 7 p.m.—Hotel Oakland concert trio
7 to 7:30 p.m.—News broadcast
7:30 to 8 p.m.—Alabam Cafe orchestra
8 to 9 p.m.—Pacific Slope Dairy Show program
9 to 10 p.m.—Helen Wegman Parmelee, pianist; Edith Fern Newcomb, contralto; Chas. Follette, accompanist; Elisa Madsen, violinist, and Franklin Roberts, baritone

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

J. Brunton & Sons, San Francisco, Calif.
6:45 to 8 a.m.—Early Bird Hour
8 to 9:30 a.m.—Favorite recordings
9:30 to 10 a.m.—Andy Anderson, pianist
10 to 12 noon—Record program
12 to 12:05 p.m.—Stock report
12:05 to 1:45 p.m.—Popular records
1:45 to 2 p.m.—Dr. Wiseman, health talk
2 to 2:30 p.m.—Records
2:30 to 2:45 p.m.—Matilda Rosenfeld educational talk
2:45 to 3 p.m.—Records
3 to 4 p.m.—Radio Rodeo
4 to 4:30 p.m.—Al Sather, "Songs of the Moment"
4:30 to 4:45 p.m.—Record varieties

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

The Morning Oregonian, Portland, Oregon
7 to 8 a.m.—"Making Merry with Sperry," KPO
8 to 9 a.m.—Shell Happy Time
9 to 9:10 a.m.—News
9:10 to 9:30 a.m.—Oregonian Cooking School
9:30 to 10:30 a.m.—The Town Crier
10:30 to 11:30 a.m.—"Magazine of the Air," NBC
11:30 to 12 noon—Records
12 to 1 p.m.—Fox Hollywood luncheon concert
1 to 1:30 p.m.—U. S. market reports
1:30 to 2:30 p.m.—Pacific Vagabonds
2:30 to 3 p.m.—Masterworks
3 to 3:30 p.m.—Mormon Tabernacle, NBC
3:30 to 4:30 p.m.—Studio, popular records
4:30 to 4:45 p.m.—Service Hour, KGW
4:45 to 5 p.m.—Back of the News, NBC
5 to 5:30 p.m.—Movie Club, KGW
5:30 to 6 p.m.—Stewart-Warner, KGW
6 to 6:30 p.m.—Edison program, NBC
6:30 to 7:30 p.m.—General Motors Party, NBC
7:30 to 8 p.m.—Empire Builders, NBC
8 to 9 p.m.—Rudy Seiger's Shell Symphonists, NBC
9 to 9:30 p.m.—Firestone program, NBC
9:30 to 10 p.m.—"The Cigar Band," NBC
10 to 12 midnight—Atwater Kent District Audition

MONDAY Programs

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

Hale Bros. & The Chronicle, San Francisco
 7 to 8 a.m.—Health exercises by Hugh Barrett Dobbs and William H. Hancock
 8 to 9 a.m.—Shell Happy Time by Hugh Barrett Dobbs and William H. Hancock
 9:30 to 10 a.m.—Dobbsie's Daily Chat
 10 to 10:30 a.m.—Helpful Hints for Housewives
 10:30 to 11:30 a.m.—Woman's Magazine of the Air, NBC
 11:30 to 11:45 a.m.—Art talk by Helen Gordon Barker
 11:45 to 12:05 p.m.—Scripture; weather and special announcements
 12:05 to 1 p.m.—Aeolian Trio
 1 to 1:30 p.m.—Jerry Jermaine, crooning contralto
 1:30 to 2 p.m.—Ann Warner's homemaking chats
 2 to 2:30 p.m.—Aeolian Trio; stock reports
 2:30 to 3 p.m.—School broadcast, Paul Pittman
 3 to 3:30 p.m.—Mormon Tabernacle, NBC
 3:30 to 3:45 p.m.—Dept. of Commerce talk
 3:45 to 4 p.m.—Calif. State Chamber of Commerce
 4 to 5 p.m.—The Eventful Hour
 5 to 5:50 p.m.—Children's Hour
 5:50 to 6 p.m.—News digest, "Scotty" Mortland
 6 to 7 p.m.—KPO Salon Orchestra
 7 to 8 p.m.—North American popular concert
 8 to 9 p.m.—Shell Symphonists' program, NBC
 9 to 10 p.m.—KPO concert orchestra
 10 to 12 midnight—District Audition Atwater Kent Foundation to select winners to represent the West in National Radio Audition at New York, Dec. 15, broadcast over Pacific Coast network, National Broadcasting Co.

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

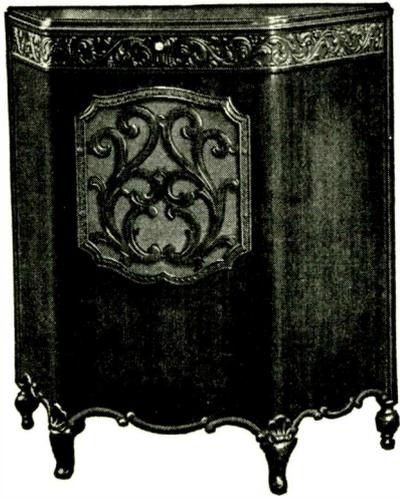
L. A. Evening Express, Los Angeles, Calif.
 6:45 to 7 a.m.—"Early Birds" exercises
 7:15 to 7:30 a.m.—"Pep and Vigor" exercises
 7:45 to 8 a.m.—"Home Folks" exercises
 8:15 to 8:30 a.m.—Talk and morning prayer
 9:30 to 10 a.m.—Radio shopping news
 10 to 10:30 a.m.—Town Crier's morning message
 10:30 to 11 a.m.—Household economics
 11:15 to 11:30 a.m.—Madame Marie, beauty talks
 11:30 to 12 noon—Maytag "So-A-Tone" broadcast
 1:30 to 2 p.m.—The Bookworm
 2 to 2:30 p.m.—Records and announcements
 3:30 to 4 p.m.—Howard Clark's Blue Monday frolic
 4 p.m.—Announcements and stock reports
 4:30 to 5 p.m.—C. P. R.'s musical program
 5 to 5:15 p.m.—Travelogue
 5:15 to 5:45 p.m.—"Own Your Own Home"
 5:45 to 6 p.m.—Town Crier's amusement tips
 6 to 7 p.m.—Organ program
 7 to 7:30 p.m.—KNX feature artists
 7:30 to 8 p.m.—One-act play, directed by Georgia Fifield
 8 to 9 p.m.—Calmon Lubovski, master violinist; Claire Mellonino, pianist; Walter V. Ferner, cellist
 9 to 9:30 p.m.—Feature program
 9:30 to 10 p.m.—"So-A-Tone" broadcast
 10 to 12 midnight—Hotel Ambassador Coconut Grove Orchestra
 12 to 1 a.m.—Dorado Club Silver Fizz dance hour

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

7 to 7:30 a.m.—"Simpy Flitts" from Seal Rocks
 7:30 to 8 a.m.—Bill Wright, "The Pathfinder"
 8 to 9 a.m.—Alarm Clock, featuring Ralph Peterson, Ed Skrivanic and Gene Byrnes, DLBS
 9 to 9:30 a.m.—Columbia Noon Day Club, CBS
 9:30 to 9:45 a.m.—Fitch Company program
 9:45 to 10 a.m.—Yoeng's Orchestra
 10 to 11 a.m.—Wyn's Daily Chats
 11 to 11:30 a.m.—Mary Haines, Domestic Science talk
 11:30 to 11:45 a.m.—Raladam program
 11:45 to 12 noon—Auditions
 12 to 1 p.m.—Sherman & Clay noonday concert
 1 to 1:30 p.m.—Paul Carson, organist
 1:30 to 2 p.m.—Charlie Wellman, DLBS
 2 to 3 p.m.—Happy Go Lucky Hour
 3 to 3:15 p.m.—Western Air Express aviation talk
 3:15 to 3:30 p.m.—Talk by physician from U. C.
 3:30 to 4 p.m.—Current events, CBS
 4 to 4:50 p.m.—E. Allman's Surprise Package, DLBS
 4:50 to 5 p.m.—Recordings and town topics
 5 to 5:30 p.m.—U. S. Army Band from Washington, CBS
 5:30 to 6 p.m.—Hank Howe and his music, DLBS
 6 to 6:15 p.m.—Bobs, sports authority
 6:15 to 6:30 p.m.—George P. Edwards, Coast Investor
 6:30 to 7 p.m.—Charles W. Hamp for S. & W.
 7 to 7:30 p.m.—Cecilians Stringed Trio
 7:30 to 8 p.m.—Paul Carson, pianist and Juliet Dunn, soprano
 8 to 10 p.m.—"Golden State Blue Monday Jam-boree"
 10 to 11 p.m.—Hotel Mark Hopkins orchestra, DLBS
 11 to 12 midnight—Los Angeles Biltmore orchestra, DLBS
 12 to 1 a.m.—Dorado Club Silver Fizz dance music

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

Fisher's Blend Station, Seattle, Washington
 6:57 a.m.—Inspirational services
 7 a.m.—Making Merry with Sperry, KPO
 8 a.m.—Shell Happy Time, KPO
 9 a.m.—Y. M. C. A. health exercises
 9:15 a.m.—Organ recital
 10:15 a.m.—Dorothea Wei and VeOna Socolofsky
 10:30 a.m.—Woman's Magazine of the Air, NBC
 11:30 a.m.—So-A-Tone broadcast
 11:45 a.m.—Mary Blake recipe talk
 12 noon—Agriculture Farm talk
 12:15 p.m.—"What to Prepare for Dinner"
 12:30 p.m.—Orchestra; Hayden Morris and VeOna Socolofsky
 2 p.m.—Orchestra; Greenwood Mitchell, baritone
 3 p.m.—Salt Lake Tabernacle choir and organ recital, NBC
 3:30 p.m.—Artistic Ensemble
 4 p.m.—Mining stock quotations
 4:15 p.m.—Kiddies' program
 4:45 p.m.—Stock, bond and grain quotations
 5 p.m.—G. Donald Gray and Rhena Marshall
 5:45 p.m.—Tim's Pep Rally
 6 p.m.—Edison program, NBC
 6:30 p.m.—General Motors Party, NBC
 7:30 p.m.—Empire Builders, NBC
 8 p.m.—Rudy Selger's Shell Symphonists, NBC
 9 p.m.—Voice of Firestone, NBC
 9:30 p.m.—The Cigar Band, NBC
 10 p.m.—Atwater Kent District Audition
 12 to 12:30 a.m.—Organ recital



The Jensen "Imperial"

*More and more set purchasers
are asking the question ' ' '*

Is It Jensen Equipped?

Music lovers demanding full brilliance in radio reproduction acclaim the new Jensen Concert Speaker.

Built and designed by Peter L. Jensen—co-inventor of the Dynamic principle of sound reproduction—Jensen Electro-Dynamic Speakers have literally given radio owners an entirely new conception of radio reception.

This speaker is used by many of America's leading set manufacturers as standard equipment—or, it may be installed in your present set.

Any good radio dealer will be glad to discuss and demonstrate the Jensen Speaker with you.

Jensen
ELECTRO-DYNAMIC
SPEAKER

ZONE RADIO SYSTEM PROVES FAILURE

THE zone system of representation by which each member of the Federal Radio Commission represents a "zone," has been found to be a failure, and without waiting for Congress to abolish the plan the commission itself has set scheme aside in considering applications for new broadcast stations.

At the present time one commissioner no longer handles all the applications from a zone. Instead the application goes through the hands of a corps of experts who make certain determinations, and it is then referred to the commission as a whole and voted on. Previously all matters pertaining to each zone were handled by the one commissioner in charge.

The sitting of the commission en banc on applications has already speeded up the commission's business and warranted the change. Inasmuch as the Presidential appointments of commissioners were not by zones, it was taken as indicative of the fact that Washington was not too pleased with the way the zone arrangement worked out. Accordingly the commission took matters into its own hands.

It is expected that Congress, when it finally gets around to a consideration of the radio situation, will repeal that portion of the radio act which provides for the existence of the zoning plan.

STATION CHANGES

WGAM, Miami Fla.; frequency, 560 kilocycles (53.6); power, 1000 watts. WDAE, Tampa, Fla.; frequency, 620 kilocycles (48.4); power, 1000 watts. WRTU, Gainesville, Fla.; frequency, 820 kilocycles (30.1); power, 5000 watts. WJAX, Jacksonville, Fla.; frequency, 900 kilocycles (33.3); power, 1000 watts. WIOD, Miami Beach, Fla.; frequency, 1120 kilocycles (257.9); power, 500 watts night, 1000 watts day. WDBO, Orlando, Fla.; frequency, 1120 kilocycles (257.9); power, 500 watts night, 1000 watts day. WFLA-WSTN, Clearwater, Fla.; frequency, 1240 kilocycles (241.9); power, 1000 watts night, 2500 watts day. WCOA, Pensacola, Fla.; frequency, 1340 kilocycles (223.9); power, 500 watts. WMBR, Tampa, Fla.; frequency, 1370 kilocycles (219); power, 100 watts. KPFP, Cartersville, Mo.; licensee, owner, Rev. Lammie W. Stewart; frequency, 1340 kilocycles (223.9); power, 50 watts. WBBM-WJBT, Glenview, Ill.; frequency, 770 kilocycles (390); power, 25,000 watts. WTOG, Savannah, Ga.; licensee, owner, Chamber of Commerce; frequency, 1260 kilocycles (238.1); power, 500 watts. KFPQ, Seattle, Wash.; new owner, Westcoast Broadcasting Company. (This station was originally reported as KGCL. There is no station KGCL.) KGGM, Albuquerque, N. Mex.; power, 250 watts night, 500 watts day. WJDW, Emory, Va.; licensee, owner, Emory

MAY INVOKE COURT IN CHAIN-CURB ROW

THE Federal courts may be invoked in the battle between the National Broadcasting Company and the Federal Radio Commission over network broadcasts from stations within 300 miles of each other. The NBC has indicated that it will go ahead with the fight independently and regardless of any action which may be taken by the Columbia Broadcasting System.

The matter was brought to a head at a conference between Ira E. Robinson, chairman of the commission, and M. H. Aylsworth, president of the NBC organization. Robinson complained of the advertising talks which accompanied the sponsored programs. Aylsworth declared that efforts were being made to tone these down, but said it was difficult because of the fact that manufacturers demand full publicity.

As against the commission's complaints, Aylsworth declared that his system was giving a "fine public service" and complained bitterly about 400 small stations throughout the country whose programs consist principally of phonograph records and who engage in "direct selling of merchandise." He charged that these were permitted by the commission to go unmolested.

"It is my judgment," said Aylsworth, "that the vast majority of listeners are delighted with the present arrangement, and there is no special need for agitation at this time. Should we curtail the announcements regarding the advertisers or eliminate them altogether the people would demand their restoration."

The commission, however, was adamant in its attitude. They informed Aylsworth from Congress "to regulate chain material, and declared that it had been vigorously denounced by Congress for failure to do so. The commission refused to grant Aylsworth hearing before official action on the proposed curtailment order was taken.

and Henry College; frequency, 1370 kilocycles (219); power, 100 watts. WTAM, Brecksville Village, Ohio; moved from Cleveland; power, 25,000 watts normally, 50,000 watts experimentally. KTAT, Briverville, Tex.; licensee, owner, Texas Air Transport Broadcast Company; frequency, 1240 kilocycles (241.9); power, 1000 watts. KSCJ, Sioux City, Iowa; licensee, owner, Perkins Brothers Company; frequency, 1330 kilocycles (225.6); power, 1000 watts. WHDI, Mineapolis, Minn.; licensee, owner, William Hood Dunwoody Institute; frequency, 1180 kilocycles (254.2); power, 500 watts. KGFL, Raton, N. Mex.; licensee, owner, Hubbard and Murphy; frequency, 1370 kilocycles (219); power, 50 watts.

MONDAY Programs

- 468.5 Meters **KFI** Channel 64
640 Kcys. 5000 Watts
Copyright, 1929, E. C. Anthony, Inc., L. A.
- 7 a.m.—"Making Merry with Sperry"
7:30 a.m.—Market quotations with Sperry"
7:40 a.m.—"Making Merry with Sperry"
8 a.m.—"Shell Happy Time"
8 a.m.—Sadye Nathan, beauty talks
8:15 a.m.—Bess Kilmer's Helpful Hints
9:45 a.m.—Sylvia's Happy Hour
11:30 a.m.—"Mental Exercises," Francis Hancock
- 12 noon—U. S. Dept. of Agric. talks
12:15 p.m.—Federal and state market reports
2:15 p.m.—Whinnie Fields Moore, travelogue
2:30 p.m.—California School of the Air, KPO
3 p.m.—"Phonomena"
3:30 p.m.—Grace M. Miller, "English Lesson"
3:45 p.m.—Book review
3:50 p.m.—Better America, Federation
4 p.m.—Francis Sullivan, "Books I Kept"
5 p.m.—Wilfred Butterworth and Gwendolyn Morse
5:15 p.m.—W. T. Harbottle; Tom Mitchell, baritone
5:45 p.m.—Stock market reports
6 p.m.—Edison program, NBC
6:30 p.m.—General Motors Party, NBC
7:30 p.m.—Empire Builders, NBC
8 p.m.—Shell program, NBC
9 p.m.—Voice of Firestone, NBC
9:30 p.m.—The Cigar Band, NBC
10 p.m.—Atwater Kent District Audition, NBC
- 333.1 Meters **KHJ** Channel 90
900 Kcys. 1000 Watts
Don Lee, Inc., Los Angeles, California
- 7 to 7:30 a.m.—Physical culture period
7:30 to 7:40 a.m.—Stock Exchange reports
7:40 to 8 a.m.—Records (to KFRC)
8 to 8:15 a.m.—Alarm Clock (to KFRC)
8:15 to 9:30 a.m.—Marjorie Fisher, pianist
9:30 to 10 a.m.—Yoeng's Orchestra, CBS
10:30 to 11 a.m.—"The Times Forum"
11:30 to 11:45 a.m.—Patterns in Prints, CBS
11:45 to 12 noon—Recordings
12 to 12:30 p.m.—Biltmore Hotel Orchestra
12:30 to 12:45 p.m.—World-wide news
1:30 to 2 p.m.—Charlie Wellman (to KFRC)
2 to 3 p.m.—Fada Radio program
3 to 3:15 p.m.—Colonial Dames Corp. program
3:15 to 3:30 p.m.—Western Air Express
3:30 to 3:45 p.m.—M. Murray, "Home Problems"
3:45 to 4 p.m.—Spanish lesson, Mrs. Doherty
4 to 4:30 p.m.—Waltz Melody Masters
4:30 to 5 p.m.—World-wide news
5 to 5:30 p.m.—Story Man's "Air Castle"
5:30 to 6 p.m.—Dance band
6 to 7 p.m.—Don Lee orchestra and singers
7 to 7:30 p.m.—Concert orchestra
7:30 to 8 p.m.—Light opera
8 to 10 p.m.—Jamboree (from KFRC)
10 to 10:05 p.m.—World-wide news
10:05 to 11 p.m.—Mark Hopkins Hotel Dance Orchestra (from KFRC)
11 to 12 midnight—Earl Burthett's Dance Orchestra
12 to 1 a.m.—Organ recital
- 322.4 Meters **KHWI** Channel 93
930 Kcys. 500 Watts
Radio Entertainments, San Francisco, Calif.
7 to 8 a.m.—Health exercises
9 to 10 a.m.—Recordings
10 to 10:30 a.m.—Charlie Glenn, "Songs of Yesterday"
10:30 to 10:50 a.m.—Dr. T. G. Lhneberger, health talk
10:50 to 11 a.m.—News, weather, police reports
11 to 12 noon—Crier
12 to 1 p.m.—The Hooplaans
1 to 1:30 p.m.—Cal King's Country Store
1:30 to 2:30 p.m.—Musical Gems
2 to 7 p.m.—Dinner Hour program
8:30 to 8:45 p.m.—Gertrude Tracy, songs; Truman Bishop Handy, pianist and accompanist
8:45 to 9 p.m.—The Three Kellys
9 to 9:30 p.m.—Herbert Maas, boy baritone
9:30 to 10 p.m.—"Song Pleggers" Revue
10 to 11 p.m.—Variety Hour
11 to 1 a.m.—Popular studio program
- 322.4 Meters **KPWW** Channel 93
930 Kcys. 500 Watts
Oakland Educational Society, Oakland, Cal.
1:30 to 2:30 p.m.—Studio program
2:30 to 3 p.m.—Bert Hall and Don Dale
3 to 4 p.m.—Studio matinee
4 to 4:30 p.m.—The "N'er Do Well"
4:30 to 5 p.m.—Dr. Wade Forester's Hour of Sunshine, Health and Happiness
7:30 to 8 p.m.—Dr. Dyar's Four Fals Quartet
8 to 8:30 p.m.—
- 223.7 Meters **KMO** Channel 134
1340 Kcys. 500 Watts
KMO, Inc., Tacoma, Washington
4:30 to 5 p.m.—KMO Matinee
5 to 5:15 p.m.—Radio Sales Co.
5:15 to 5:45 p.m.—Supreme Radio Service
5:45 to 6 p.m.—B. Paulson, jeweler
6 to 6:30 p.m.—The Floorwalker
6:30 to 7 p.m.—Stock reports
7 to 7:15 p.m.—Yacoma Better Business Bureau
7:15 to 7:45 p.m.—Y. W. C. A. program
7:45 to 8 p.m.—General Motors
8 to 9 p.m.—Jane Morse, blues singer
- 232.6 Meters **KDYL** Channel 129
1290 Kcys. 1000 Watts
Intermountain Broad. Corp., Salt Lake City
5 p.m.—U. S. Army Band from Washington, D. C.—CBS
5:30 p.m.—Twilight Echoes
6 p.m.—The Evans Sisters, instrumental and vocal trio
7 p.m.—The New Paris Exposition Chocolates Orchestra, Lowell Berry conducting
7:30 p.m.—Voice of Columbia with the Columbia Symphony Orchestra, a vocal chorus, a mixed quartet and others, CBS
8:30 p.m.—Flight broadcast, blow by blow
9 p.m.—Winken, Blinken and Nod
11 p.m.—Country Store
- 291.1 Meters **CNRV** Channel 103
1030 Kcys. 500 Watts
Canadian National Rys., Vancouver, B. C.
10:30 a.m.—Morning Hour of Music
10 p.m.—Genesis, Chronicle, Willie and Euphonius, four Continental Limited porters

MONDAY Programs

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

Copyright, 1929, E. C. Anthony, Inc., L. A.
 7 a.m.—"Making Merry with Sperry"
 7:30 a.m.—Market quotations
 7:45 a.m.—"Making Merry with Sperry"
 8 a.m.—Shell Happy Time
 9 a.m.—Sadye Nathan, beauty talks
 9:15 a.m.—Bess Kilmer's Helpful Hints
 9:45 a.m.—Sylvia's Happy Hour
 10:30 a.m.—Women's Magazine of the Air, NBC
 11:30 a.m.—"Mental Exercises," Francis Hancock
 12 noon—U. S. Dept. of Agric. talks
 12:15 p.m.—Federal and state market reports
 2:15 p.m.—Winnie Fields Moore, travelogue
 2:30 p.m.—California School of the Air, KPO
 3 p.m.—"Phenomena"
 3:30 p.m.—Grace M. Miller, "English Lesson"
 3:45 p.m.—Book review
 3:50 p.m.—Better America Federation
 4 p.m.—Francis Sullivan, "Books I Kept"
 4:30 p.m.—Big Brother
 5 p.m.—Wilfred Butterworth and Gwendolyn Morse
 5:15 p.m.—W. T. Harbottle; Tom Mitchell, baritone
 5:45 p.m.—Stock market reports
 6 p.m.—Edison program, NBC
 6:30 p.m.—General Motors Party, NBC
 7:30 p.m.—Empire Builders, NBC
 8 p.m.—Shell program, NBC
 9 p.m.—Voice of Firestone, NBC
 9:30 p.m.—The Cigar Band, NBC
 10 p.m.—Atwater Kent District Audition, NBC

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

7 to 7:30 a.m.—Physical culture period
 7:30 to 7:40 a.m.—Stock Exchange reports
 7:40 to 8 a.m.—Recordings
 8 to 9 a.m.—Alarm Clock (to KFRC)
 9 to 9:15 a.m.—Marjorie Fisher, pianist
 9:15 to 9:30 a.m.—Mme. Jeanne Forrest, soprano
 9:30 to 10 a.m.—Yoeng's Orchestra, CBS
 10 to 10:30 a.m.—A. White, "At Our House"
 10:30 to 11 a.m.—The Times Forum
 11 to 11:30 a.m.—Patterns in Prints, CBS
 11:30 to 11:45 a.m.—Jackson Bell Radio program
 11:45 to 12 noon—Recordings
 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.—Leigh Harline's organ recital
 1:30 to 2 p.m.—Charlie Wellman (to KFRC)
 2 to 3 p.m.—Fada Radio program
 3 to 3:15 p.m.—Colonial Dames Corp. program
 3:15 to 3:30 p.m.—Western Air Express
 3:30 to 3:45 p.m.—M. Murray, "Home Problems"
 3:45 to 4 p.m.—Spanish lesson, Mrs. Doherty
 4 to 4:50 p.m.—Matinee Melody Masters
 4:50 to 5 p.m.—World-wide news
 5 to 5:30 p.m.—Story Man's "Air Castle"
 5:30 to 6 p.m.—Dance band
 6 to 7 p.m.—Don Lee orchestra and singers
 7 to 7:30 p.m.—Concert orchestra
 7:30 to 8 p.m.—Light opera
 8 to 10 p.m.—Jamboree (from KFRC)
 10 to 10:05 p.m.—World-wide news
 10:05 to 11 p.m.—Mark Hopkins Hotel Dance Orchestra (from KFRC)
 11 to 12 midnight—Earl Burtnett's Dance Orchestra
 12 to 1 a.m.—Organ recital

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

Radio Entertainments, San Francisco, Calif.
 7 to 8 a.m.—Health exercises
 9 to 10 a.m.—Recordings
 10 to 10:30 a.m.—Charlie Glenn, "Songs of Yesterday"
 10:30 to 10:50 a.m.—Dr. T. G. Linebarger, health talk
 10:50 to 11 a.m.—News, weather, police reports
 11 to 12 noon—Crier
 12 to 1 p.m.—The Hooligans
 1 to 1:30 p.m.—Cal King's Country Store
 1:30 to 2:30 p.m.—Musical Gems
 6 to 7 p.m.—Dinner Hour program
 8:30 to 8:45 p.m.—Gertrude Tracy, songs; Truman Bishop Handy, pianist and accompanist
 8:45 to 9 p.m.—The Three Kellys
 9 to 9:30 p.m.—Herbert Maas, boy baritone
 9:30 to 10 p.m.—Song Pluggers' Revue
 10 to 11 p.m.—Variety Hour
 11 to 1 a.m.—Popular studio program

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

Oakland Educational Society, Oakland, Cal.
 1:30 to 2:30 p.m.—Studio program
 2:30 to 3 p.m.—Bert Hall and Don Dale
 3 to 4 p.m.—Studio matinee
 4 to 4:30 p.m.—The "Ne'er Do Well"
 4:30 to 5 p.m.—KFWM Melody Boy
 5 to 6 p.m.—Dr. Wade Forrester's Hour of Sunshine, Health and Happiness
 7:30 to 8 p.m.—Doc Herrold
 8 to 8:30 p.m.—Dr. Dysart's Four Pals Quartet

223.7 Meters **KMO** **Channel 134**
1340 Kcys. **500 Watts**

KMO, Inc., Tacoma, Washington
 4:30 to 5 p.m.—KMO Matinee
 5 to 5:15 p.m.—Radio Sales Co.
 5:15 to 5:45 p.m.—Supreme Radio Service
 5:45 to 6 p.m.—B. Paulson, jeweler
 6 to 6:50 p.m.—The Floorwalker
 6:50 to 7 p.m.—Stock reports
 7 to 7:15 p.m.—Tacoma Better Business Bureau
 7:15 to 7:45 p.m.—Y. W. C. A. program
 7:45 to 8 p.m.—General Motors
 8 to 9 p.m.—Jane Morse, blues singer

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

Intermountain Broad. Corp., Salt Lake City
 5 p.m.—U. S. Army Band from Washington, D. C., CBS
 5:30 p.m.—Twilight Echoes
 6 p.m.—The Evans Sisters, instrumental and vocal trio
 7 p.m.—The New Paris Exposition Chocolates Orchestra, Lowell Berry conductng
 7:30 p.m.—Voice of Columbia with the Columbia Symphony Orchestra, a vocal chorus, a mixed quartet and others, CBS
 8:30 p.m.—Fight broadcast, blow by blow
 9 p.m.—Winken, Blinken and Nod
 10 p.m.—The Gypsies
 11 p.m.—Country Store

291.1 Meters **CNRV** **Channel 103**
1030 Kcys. **500 Watts**

Canadian National Rys., Vancouver, B. C.
 10:30 a.m.—Morning Hour of Music
 10 p.m.—Genesis, Chronicle, Willie and Euphonius, four Continental Limited porters



The Jensen "Imperial"

*More and more set purchasers
are asking the question 1 1 1*

Is It Jensen?

Music lovers demanding full
acclaim the new Jensen Concer

Built and designed by Peter I
Dynamic principle of sound r
Dynamic Speakers have litera
tirely new conception of radio

This speaker is used by many
set manufacturers as standar
may be installed in your presen

Any good radio dealer will be
demonstrate the Jensen Speak

n Equipped?

brilliance in radio reproduction
t Speaker.

Jensen—co-inventor of the
production—Jensen Electro-
ly given radio owners an en-
reception.

of America's leading
d equipment—or, it
t set.

glad to discuss and
er with you.



Jensen
ELECTRO-DYNAMIC
SPEAKER

ZONE RADIO SYSTEM PROVES FAILURE

THE zone system of representation by which each member of the Federal Radio Commission represents a "zone," has been found to be a failure, and without waiting for Congress to abolish the plan the commission itself has set the scheme aside in considering applications for new broadcast stations.

At the present time one commissioner no longer handles all the applications from a zone. Instead the application goes through the hands of a corps of experts who make certain determinations, and it is then referred to the commission as a whole and voted on. Previously all matters pertaining to each zone were handled by the one commissioner in charge.

The sitting of the commission en banc on applications has already speeded up the commission's business and warranted the change. Inasmuch as the Presidential appointments of commissioners were not by zones, it was taken as indicative of the fact that Washington was not too pleased with the way the zone arrangement worked out. Accordingly the commission took matters into its own hands.

It is expected that Congress, when it finally gets around to a consideration of the radio situation, will repeal that portion of the radio act which provides for the existence of the zoning plan.

STATION CHANGES

WQAM, Miami, Fla.; frequency, 560 kilocycles (536); power, 1000 watts. WDAE, Tampa, Fla.; frequency, 620 kilocycles (484); power, 1000 watts. WRUF, Gainesville, Fla.; frequency, 830 kilocycles (361); power, 5000 watts. WJAX, Jacksonville, Fla.; frequency, 900 kilocycles (333); power, 1000 watts. WIOD, Miami Beach, Fla.; frequency, 1120 kilocycles (267.9); power, 500 watts night, 1000 watts day. WDBO, Orlando, Fla.; frequency, 1120 kilocycles (267.9); power, 500 watts night, 1000 watts day. WFLA-WSUN, Clearwater, Fla.; frequency, 1240 kilocycles (241.9); power, 1000 watts night, 2500 watts day. WCOA, Pensacola, Fla.; frequency, 1340 kilocycles (223.9); power, 500 watts. WMBR, Tampa, Fla.; frequency, 1370 kilocycles (219); power, 100 watts. KFPW, Cartersville, Mo.; licensed; owner, Rev. Lannie W. Stewart; frequency, 1340 kilocycles (223.9); power, 50 watts. WBBM-WJBT, Glenview, Ill.; frequency, 770 kilocycles (390); power, 25,000 watts. WTOG, Savannah, Ga.; licensed; owner, Chamber of Commerce; frequency, 1260 kilocycles (238.1); power, 500 watts. KPQ, Seattle, Wash.; new owner, Westcoast Broadcasting Company. (This station was originally reported as KGCL. There is no station KGCL). KGGM, Albuquerque, N. Mex.; power, 250 watts night, 500 watts day. WJDW, Emory, Va.; license; owner, Emory

MAY INVOKE COURT IN CHAIN-CURB ROW

THE Federal courts may be invoked in the battle between the National Broadcasting Company and the Federal Radio Commission over network broadcasts from stations within 300 miles of each other. The NBC has indicated that it will go ahead with the fight independently and regardless of any action which may be taken by the Columbia Broadcasting System.

The matter was brought to a head at a conference between Ira E. Robinson, chairman of the commission, and M. H. Aylsworth, president of the NBC organization. Robinson complained of the advertising talks which accompanied the sponsored programs. Aylsworth declared that efforts were being made to tone these down, but said it was difficult because of the fact that manufacturers demand full publicity.

As against the commission's complaints, Aylsworth declared that his system was giving a "fine public service" and complained bitterly about 400 small stations throughout the country whose programs consist principally of phonograph records and who engage in "direct selling of merchandise." He charged that these were permitted by the commission to go unmolested.

"It is my judgment," said Aylsworth, "that the vast majority of listeners are delighted with the present arrangement, and there is no special need for agitation at this time. Should we curtail the announcements regarding the advertisers or eliminate them altogether the people would demand their restoration."

The commission, however, was adamant in its attitude. They informed Aylsworth that the commission has "a direct mandate from Congress" to regulate chain material, and declared that it had been vigorously denounced by Congress for failure to do so. The commission refused to grant Aylsworth hearing before official action on the proposed curtailment order was taken.

and Henry College; frequency, 1370 kilocycles (219); power, 100 watts. WTAM, Brecksville Village, Ohio; moved from Cleveland; power, 25,000 watts normally, 50,000 watts experimentally. KTAT, Birdville, Tex.; license; owner, Texas Air Transport Broadcast Company; frequency, 1240 kilocycles (241.9); power, 1000 watts. KSCJ, Sioux City, Iowa; license; owner, Perkins Brothers Company; frequency, 1330 kilocycles (225.6); power, 1000 watts. WHDI, Minneapolis, Minn.; license; owner, William Hood Dunwoody Institute; frequency, 1180 kilocycles (254.2); power, 500 watts. KGFL, Raton, N. Mex.; license; owner, Hubbard and Murphy; frequency, 1370 kilocycles (219); power, 50 watts.

TUESDAY Programs

NBC

National Broadcasting Company

- 9 to 9:30 a.m.—“Health in Refrigeration”
Pacific Coast auditors will hear this program through KGO, KHQ, KOMO, KGW and KFI.
- 9:45 to 10 a.m.—Betty Crocker Gold Medal Home Service Talks
Betty Crocker, the Gold Medal Home Service expert, will be heard again today through KGO, KHQ, KOMO, KGW and KFI.
- 10:30 to 11:30 a.m.—“Woman's Magazine of the Air”
“Salads that Satisfy” and “Pumpkin Pie de Luxe” are the topics to be discussed today by Ann Holden. The Sunset Magazine period, which is the third feature today, will be presented by the entire WMA staff, headed by Bennie Walker, the editor.
Irving Kennedy, tenor, and William Powers, the popular colored tenor, are the soloists and instrumental music will be provided by the Magazine Melodists under Joseph Hornik's baton.
Broadcast through KGO, KHQ, KOMO, KGW, KPO and KFI.
- 2 to 3 p.m.—The Wanderers
The title roles in these productions are enacted by Bert Horton and Jacques Phipps. A supporting cast includes Bernice Berwin, Bobbe Deane, Olive West and Laurence Tulloch. H. C. Connette is author of the drama.
With vocal numbers by Gail Taylor, soprano; Austin Mosher, baritone, and Easton Kent, tenor, interspersing the dialogue, the program will be heard through KGO, KHQ, KOMO, KGW and KPO.
- 4:15 to 4:30 p.m.—Second Universal Safety Series, KGO, KOMO and KGW.
- 5:30 to 6 p.m.—“Around the World with Libby”
“Around the World with Libby” with all expenses paid—that is the treat in store for the nation-wide audience of the NBC System when Joseph Pasternack and his musical crew take off for another port tonight.
Broadcast through KGO, KHQ, KOMO, KGW and KPO.
- 6 to 7 p.m.—Eveready Hour
This presentation will be released through Pacific Coast stations KGO, KHQ, KOMO, KGW and KFI.
- 7 to 7:30 p.m.—Clicquot Club Eskimos
Humor will be mixed with melody when the Clicquot Club Eskimos broadcast their weekly program. “Send for Our Free Booklet,” a vocal and instrumental comic novelty composed by Chief Eskimo Harry Reser, will follow the opening selection, “Open Up Your Heart” from Youmans' musical show, “Great Day!”, now being produced in New York City.
A piano solo, “Carlson Capers,” will add variety to the balance of the program.
Broadcast through KGO, KHQ, KOMO, KGW and KFI.
- 7:30 to 8 p.m.—C. A. Earl Orchestradians
Ruth Etting, mistress of song, is spotted as the guest soloist on the C. A. Earl Orchestradians' presentation. “Love Me and Leave Me” and “Ain't Misbehaving” are to be Miss Etting's numbers. “The More I Go Out with Somebody Else the More I'm in Love With You” is one of a dozen selections to be played by the C. A. Earl Orchestradians. The playing of this number will mark the first time

it has ever been heard over the air.
Phil Spitalny heads the orchestral unit on this transcontinental program, with the Paul Sisters supplying some of the vocal refrains.
Broadcast through KGO, KHQ, KOMO, KGW and KFI.

- 8 to 9 p.m.—Radio-Keith-Orpheum Hour
Words and music, both clever and tuneful and supplied by comedians and musicians of the first water from the vaudeville world, are the ingredients in the Radio-Keith-Orpheum Hour. The first half of this program will originate in New York, the balance taking place in California.
Broadcast through KGO, KHQ, KOMO, KGW and KFI.
- 9 to 9:30 p.m.—Parker Duofold Family
Evidently the Parker Duofold Family has turned collegiate, or it may be that they, too, have been bitten by the football bug, for in their program they will play and sing college tunes to the exclusion of everything else.
Broadcast through KGO, KHQ, KOMO, KGW, KPO and KFI.
- 10 to 11 p.m.—Spotlight Review
Familiar artists of the western ether lanes will be announced as they step before the microphone. Many of the featured artists, vocalists, instrumentalists and members of the National Players take part in this program, which presents the performers in the type of things they do best.
Broadcast through KGO, KHQ and KFI.
- 11 to 12 midnight—Musical Musketeers
Walter Beban will direct the 14-piece band. Novelty interpolations have been arranged by Charles Marshall.
Broadcast through KGO, KHQ, KOMO and KPO.

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

- 9 to 9:30 a.m.—“Health in Refrigeration”
9:30 to 9:45 a.m.—The Morning Glories
9:45 to 10 a.m.—Betty Crocker Gold Medal Home Service talk
10 to 10:30 a.m.—Sunshine Rays
10:30 to 11:30 a.m.—Woman's Magazine of the Air
11:30 to 12 noon—Philharmonic organ
12 to 1 p.m.—Luncheon concert
2 to 3 p.m.—The Wanderers
4:15 to 4:30 p.m.—Universal Safety Series, NBC
4:30 to 5:30 p.m.—Hotel St. Francis Salon Orch.
5:30 to 6 p.m.—Around the World with Libby
6 to 7 p.m.—Eveready Hour
7 to 7:30 p.m.—Clicquot Club Eskimos
7:30 to 8 p.m.—Orchestradians
8 to 9 p.m.—RKO Hour
9 to 9:30 p.m.—The Parker Duofold Family
9:30 to 10 p.m.—Los Angeles S. S. program
10 to 11 p.m.—Spotlight Review
11 to 12 midnight—Musical Musketeers

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

- 6:45 to 8 a.m.—Early Bird Hour
8 to 10:45 a.m.—Popular records
10:45 to 11 a.m.—Dr. Wiseman, health talk
11 to 12 noon—Record varieties
12 to 12:05 p.m.—Stock report
12:05 to 2 p.m.—Record program
2 to 2:30 p.m.—Dell Raymond and Harry Miles
2:30 to 3 p.m.—Popular records
3 to 4 p.m.—Concert records
4 to 4:30 p.m.—Bridge Time Half Hour
4:30 to 4:45 p.m.—Records

TUESDAY Programs

440.9 Meters Channel 68
680 Kcys. KPO 5000 Watts
Hale Bros. & The Chronicle, San Francisco
 7 to 8 a.m.—Health exercises by Hugh Barrett Dobbs and William H. Hancock
 8 to 9 a.m.—Shell Happy Time by Hugh Barrett Dobbs, assisted by William H. Hancock
 9:30 to 10 a.m.—Dobbie's Daily Chat
 10 to 10:30 a.m.—Helpful Hints for Housewives
 10:30 to 11:30 a.m.—Woman's Magazine of the Air, NBC
 11:45 to 12:05 p.m.—Scripture; weather and special announcements
 12:05 to 1 p.m.—Aeolian Trio
 1 to 1:30 p.m.—Jerry Jermaine
 1:30 to 2 p.m.—Ann Warner's homemaking chats
 2 to 3 p.m.—The Wanderers, NBC
 3 to 4 p.m.—"The Treadors"
 4 to 4:30 p.m.—Bridge lesson
 4:30 to 4:40 p.m.—Stock market quotations
 4:40 to 5:20 p.m.—Children's Hour
 5:20 to 5:30 p.m.—News digest, "Scotty" Mortland
 5:30 to 6 p.m.—Around the World with Libby, NBC
 6 to 7 p.m.—KPO Salon Orchestra
 7 to 8 p.m.—Anglo-California Trust Co. radio hour
 8 to 9 p.m.—North American popular concert
 9 to 9:30 p.m.—Parker Duofold Family, NBC
 9:30 to 10 p.m.—Los Angeles Steamship Company
 10 to 10:30 p.m.—Tommy Monroe and Bob Allen
 10:30 to 11 p.m.—Theodore Strong, organist, with Elmer Herling, baritone
 11 to 12 midnight—Musical Musketeers, NBC

285.5 Meters Channel 105
1050 Kcys. KNX 5000 Watts
L. A. Evening Express, Los Angeles, Calif.
 6:45 to 7 a.m.—"Early Birds" exercises
 7:15 to 7:30 a.m.—"Pep and Vigor" exercises
 7:45 to 8 a.m.—"Home Folks" exercises
 8 to 8:15 a.m.—Record program
 8:15 to 8:30 a.m.—Talk and morning prayer
 9 to 9:30 a.m.—Georgia O. George program
 9:30 to 10 a.m.—Radio shopping news
 10 to 10:30 a.m.—Town Crier's morning message
 10:30 to 11 a.m.—Household economics
 11 to 11:15 a.m.—Marmola "So-A-Tone" broadcast
 11:15 to 11:45 a.m.—Talk on "Better Speech"
 11:45 to 12:30 p.m.—Firemen's Orchestra
 1:30 to 2 p.m.—The Bookworm
 2 to 2:30 p.m.—Records and announcements
 3 to 3:30 p.m.—French lessons by Edgard Leon
 3:30 p.m.—Joyce Coad, Express Million Dollar Contest winner
 4 p.m.—Announcements and stock reports
 4:30 to 5 p.m.—C. P. R.'s musical program
 5 to 5:15 p.m.—Travelogue
 5:15 to 5:45 p.m.—"Own Your Own Home"
 5:45 to 6 p.m.—Town Crier's amusement tips
 6 to 7 p.m.—Organ program
 7 to 7:30 p.m.—Talk by Dr. Mars Baumgardt
 7:30 to 8 p.m.—Recording program
 8 to 9 p.m.—Tom and his mule Hercules
 9 to 9:30 p.m.—Maytag "So-A-Tone" broadcast
 9:30 to 10 p.m.—KNX feature artists
 10 to 12 midnight—Hotel Ambassador Coconut Grove Orchestra
 12 to 1 a.m.—Dorado Club Silver Fizz dance hour

491.5 Meters Channel 61
610 Kcys. KFRC 1000 Watts
Don Lee, Inc., San Francisco, Calif.
 7 to 7:30 a.m.—"Simp' Fitts"; N. Y. Exchange
 7:30 to 8 a.m.—Bill Wright, the "Pathfinder"
 8 to 9 a.m.—Early Birds, featuring Don and Mart, "The Two Boys, Nell Larson and Ed Skrivanik, DLBS
 9 to 9:30 a.m.—Columbia Noonday Club
 9:30 to 10 a.m.—Yoeng's Orchestra, CBS
 10 to 10:30 a.m.—Morning Melodists
 10:30 to 11 a.m.—Wyn's Daily Chats
 11 to 11:30 a.m.—Chas. Hamp for S. & W.
 11:30 to 11:45 a.m.—Fels Naptha broadcast
 11:45 to 12 noon—Auditions
 12 to 1 p.m.—Sherman & Clay noonday concert
 1 to 1:45 p.m.—Columbia Symphony Orchestra, CBS
 1:45 to 2 p.m.—Rhythm Kings, CBS
 2 to 3 p.m.—Happy Go Lucky Hour
 3 to 3:15 p.m.—Beauty talks
 3:15 to 3:30 p.m.—Recordings
 3:30 to 4 p.m.—Educational period
 4 to 4:30 p.m.—F. W. Davis
 4:30 to 4:35 p.m.—Something About Everything
 4:35 to 4:55 p.m.—News bulletins and lost and found
 4:55 to 5 p.m.—Town topics
 5 to 5:30 p.m.—Children's Period, featuring Uncle Harold, Gingerbread Man, and Story Book Twins
 5:30 to 6 p.m.—Edna Fischer, pianist
 6 to 7 p.m.—Paul Whiteman and his Old Gold Orchestra
 7 to 7:30 p.m.—Orchestra and soloists from KHJ
 7:30 to 8 p.m.—Remar Twins
 8 to 9 p.m.—Pacific States Savings program
 9 to 10 p.m.—Orchestra and soloists
 10 to 10:10 p.m.—"Frank Watanabe"
 10:10 to 12:10 a.m.—Val Valente and his Roof Garden Orchestra
 12:10 to 1 a.m.—Dorado Club Silver Fizz dance music

333.1 Meters Channel 90
900 Kcys. KHJ 1000 Watts
Don Lee, Inc., Los Angeles, California
 7 to 7:30 a.m.—Physical culture period
 7:30 to 7:40 a.m.—Stock Exchange reports
 7:40 to 8 a.m.—Recordings
 8 to 9 a.m.—"Early Birds"
 9 to 9:30 a.m.—Columbia Noon Day Club, CBS
 9:30 to 10 a.m.—Yoeng's orchestra, CBS
 10 to 10:35 a.m.—A. White, "At Our House"
 10:35 to 11 a.m.—The Times Forum
 11 to 11:30 a.m.—Elvia Allman, short stories
 11:30 to 12 noon—Recordings
 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
 2 to 3 p.m.—Fada Radio program
 3 to 3:15 p.m.—Safety Conference
 3:15 to 3:30 p.m.—Auto. Club of South. Calif.
 3:30 to 3:45 p.m.—Midnight Mission
 3:45 to 4 p.m.—U. S. C. Trojan
 4 to 4:50 p.m.—Matinee Melody Masters
 4:50 to 5 p.m.—World-wide news
 5 to 5:30 p.m.—The Story Man and his "Air Castle"
 5:30 to 6 p.m.—Don Lee Dance Band
 6 to 7 p.m.—Old Gold program, CBS
 7 to 7:30 p.m.—U. S. Rubber Co. program
 7:30 to 8 p.m.—Pelton Motor Co. program
 8 to 9 p.m.—Pacific States Sav. & Loan Co.
 9 to 10 p.m.—Charles Shepherd's Symphonishers
 10 to 10:05 p.m.—World-wide news
 10:05 to 12 midnight—Earl Burtnett's Dance Orchestra
 12 to 1 a.m.—Organ recital

TUESDAY Programs

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

9 to 9:30 a.m.—Request recorded program
 9:30 to 10 a.m.—Program for Fox and Warfield
 10 to 10:30 a.m.—Recorded program
 10:30 to 11 a.m.—Clem Kennedy and George Taylor
 11 to 12 noon—California Sunshine Hour
 12 to 1 p.m.—Tuesday Noon Club
 1 to 1:30 p.m.—Recordings
 1:30 to 3:30 p.m.—Classical recordings
 3:30 to 4 p.m.—Selected records
 4 to 4:30 p.m.—Santa Claus from the Emporium
 4:30 to 5 p.m.—Recordings
 5 to 6 p.m.—Sapphire Musical Gems
 6 to 6:30 p.m.—Leland Morgan and James Dickie
 6:30 to 7 p.m.—Program for Fox and Warfield
 7 to 7:15 p.m.—George Taylor
 7:15 to 7:30 p.m.—Cecil and Sally
 7:30 to 8 p.m.—Pacific Artists' Trio, under the direction of Liborius Hauptmann, with Greta Gahler, soprano
 8 to 8:30 p.m.—Hazel McDaniels and Jimmy Kessel
 8:30 to 9 p.m.—Song recital; Dorothy Lewis, contralto; Claire Upshur, soprano, and Constance Piper, pianist
 9 to 10 p.m.—Pacific Artists' Trio, under the direction of Liborius Hauptmann; Nellie Wren, soprano
 10 to 11 p.m.—Silver Slipper Cafe, orchestra
 11 to 12 midnight—Byington Electric program
 12 to 1 a.m.—All request program

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

7:57 a.m.—Inspirational services
 8 a.m.—Shell Happy Time
 9 a.m.—Health in refrigeration
 9:30 a.m.—So-A-Tone broadcast
 9:45 a.m.—Betty Crocker's Home Service talk, NBC
 10 a.m.—Maytag So-A-Tone broadcast
 10:30 a.m.—Woman's Magazine of the Air, NBC
 11:30 a.m.—Orchestra; G. Donald Gray and VeOna Socolofsky
 11:45 a.m.—Mary Blake recipe talk
 12 noon—Farm talk
 12:15 p.m.—"What to Prepare for Dinner"
 12:30 p.m.—Orchestra; G. Donald Gray and VeOna Socolofsky
 2 p.m.—The Wanderers, NBC
 3 p.m.—Artistic Ensemble; Greenwood Mitchell and Rhena Marshall
 4 p.m.—Mining stock quotations
 4:15 p.m.—Universal Safety Series, NBC
 4:30 p.m.—Kiddies' program
 5 p.m.—Stock, bond and grain quotations
 5:15 p.m.—Fred Lynch and Rhena Marshall
 5:30 p.m.—Around the World with Libby, NBC
 6 p.m.—Eveready Hour, NBC
 7 p.m.—Cliquot Club Eskimos, NBC
 7:30 p.m.—Orchestradians, NBC
 8 p.m.—Radio-Keith-Orpheum program, NBC
 9 p.m.—Parker Duofold Family, NBC
 9:30 p.m.—Bremer-Tully So-A-Tone broadcast
 10 p.m.—Gold Shield Hour, KOMO, KGW
 11 p.m.—News flashes
 11:15 p.m.—Musical Musketeers, NBC
 12 to 12:30 a.m.—Organ recital

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

7:30 a.m.—Market quotations
 8 a.m.—Shell Happy Time from KPO
 9 a.m.—"Health in Refrigeration," NBC
 9:30 a.m.—Bess Kilmer's Helpful Hints
 9:45 a.m.—"Betty Crocker, Home Service Talks," NBC
 10 a.m.—Sylvia and Al
 10:30 a.m.—Woman's Magazine of the Air, NBC
 11:30 a.m.—Spanish lessons
 11:45 a.m.—Jeanette Warner, ballads; Jackie Archer, acc.
 12 noon—Dept. of Agriculture talks
 12:15 p.m.—Federal and state market reports
 2 p.m.—Trillian Trio
 2:15 p.m.—Winnie Fields Moore, Travelogue
 2:30 p.m.—"Phenomena"
 3:30 p.m.—Leonard Van Berg
 3:45 p.m.—Art Schwartz
 4:15 p.m.—Dr. Miller, "Human Nature"
 4:30 p.m.—Big Brother
 5:30 p.m.—Edwin August
 5:45 p.m.—Stock market reports
 6 p.m.—Eveready Hour, NBC
 7 p.m.—Cliquot Club, NBC
 7:30 p.m.—Orchestradians, NBC
 8 p.m.—RKO Hour
 9 p.m.—Parker Duofold Family, NBC
 9:30 p.m.—L. A. Steamship Company program
 10 p.m.—Spotlight Review, NBC
 11 p.m.—KFI news bureau

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

6:45 to 7 a.m.—Inspirational service
 7 to 7:30 a.m.—Peppy Morning Varieties
 7:30 to 8 a.m.—Headliners
 8 to 9 a.m.—Shell Happy Time, KPO
 9 to 9:30 a.m.—Health in Refrigeration, NBC
 9:30 to 9:45 a.m.—Musical Bazaar
 9:45 to 10 a.m.—B. Crocker Gold Medal Talks, NBC
 10 to 10:15 a.m.—Marmola So-A-Tone
 10:15 to 10:30 a.m.—Sunshine program
 10:30 to 11:30 a.m.—Magazine of the Air, NBC
 11:30 to 12 noon—Farmers' Service Hour
 12 to 1 p.m.—Chamber of Commerce luncheon
 1 to 1:30 p.m.—Crosley Musical Review
 1:30 to 1:45 p.m.—Miss Modern shops a la mode
 1:45 to 2 p.m.—Fur Facts
 2 to 3 p.m.—The Wanderers, NBC
 3 to 3:30 p.m.—Theatrical Review
 3:30 to 4 p.m.—Paint o' Mine Period
 4 to 5 p.m.—Concert orchestra
 5 to 5:30 p.m.—Matched Unit Hour
 5:30 to 6 p.m.—Around the World with Libby, NBC
 6 to 7 p.m.—Eveready Hour, NBC
 7 to 7:30 p.m.—Cliquot Club Eskimos, NBC
 7:30 to 8 p.m.—Orchestradians, NBC
 8 to 9 p.m.—R. K. O. program, NBC
 9 to 9:30 p.m.—Parker Duofold Family, NBC
 9:30 to 10 p.m.—Dutch Dough Boys
 10 to 11 p.m.—Spotlight Review, NBC
 11 to 12 midnight—Musical Musketeers, NBC

291.1 Meters **CNRV** **Channel 103**
1030 Kcys. **500 Watts**

Canadian National Rys., Vancouver, B. C.
 10:30 a.m.—Morning Hour of Music
 9 p.m.—Pianologue by Winifred Renworth
 9:30 p.m.—Studio program
 10 p.m.—The Canadian National Ensemble and the Lyricist
 11 p.m.—Catherine McEwan, mezzo-contralto; Richard Stanton, tenor; James Todd, pianist

TUESDAY Programs

322.4 Meters **KFWM** **Channel 93**
930 Kcys. **500 Watts**
Oakland Educational Society, Oakland, Cal.
 8 to 8:30 a.m.—"Top o' the Morning" program
 8:30 to 9 a.m.—Health questions answered
 11 to 12 noon—Select recordings
 1:30 to 2 p.m.—Edna's Entertainment Hour
 2 to 2:30 p.m.—Gert Otto's Hawaiians
 2:30 to 3 p.m.—Bert Hall and Dorothy Wilson
 3 to 4 p.m.—Studio matinee
 4 to 4:15 p.m.—The "Ne'er Do Well"
 4:15 to 4:30 p.m.—Tom King Detective Stories
 4:30 to 5 p.m.—KFWM Melody Boy
 5 to 6 p.m.—Dr. Forrester's Hour of Sunshine
 7:30 to 8 p.m.—Doc Herrold
 8 to 9 p.m.—The Watch Tower program
 9 to 10 p.m.—The Campfire program
 10 to 10:30 p.m.—The Student Players
 10:30 to 11 p.m.—Dance music

322.4 Meters **KFWI** **Channel 93**
930 Kcys. **500 Watts**
Radio Entertainments, San Francisco, Calif.
 7 to 8 a.m.—Health exercises
 9 to 9:30 a.m.—Cal King's Country Store
 9:30 to 10 a.m.—Recordings
 10 to 10:30 a.m.—Charlie Glenn, "Songs of Yesterday"
 10:30 to 10:50 a.m.—Dr. T. G. Linebarger, health talk
 10:50 to 11 a.m.—News, weather, police reports
 12 to 12:30 p.m.—Recordings
 12:30 to 1 p.m.—Gloom Chasers, with Truman Bishop Handy
 1 to 1:30 p.m.—Cal King's Country Store
 6 to 6:30 p.m.—Dinner Hour program
 6:30 to 6:45 p.m.—Radio question box
 6:45 to 7 p.m.—Dinner Hour program
 11 to 1 a.m.—Popular studio program

223.7 Meters **KMO** **Channel 134**
1340 Kcys. **500 Watts**
KMO, Inc., Tacoma, Washington
 4:30 to 5 p.m.—KMO Matinee
 5 to 5:15 p.m.—Radio Sales Co.
 5:15 to 5:45 p.m.—Supreme Radio Service
 5:45 to 6 p.m.—B. Paulson, jeweler
 9 to 11 p.m.—Elks Stocking Fillers program

526 Meters **KXA** **Channel 57**
570 Kcys. **500 Watts**
American Radio Tel. Co., Seattle, Wash.
 7 a.m.—Sunshine Jack
 8:45 a.m.—Health exercises by Y. W. C. A.
 10 a.m.—Inspirational services
 10:30 a.m.—Miss Opportunity
 11 a.m.—Sunshine Hour
 12 noon—Noontime concert
 12:30 p.m.—Ad Club luncheon
 1:30 p.m.—Hawaiian music
 3 p.m.—Bridge Party Hour
 4 p.m.—Popular music
 5 p.m.—Organ music
 6 p.m.—CBS program
 7 p.m.—Concert music
 7:15 p.m.—Whiteman's Symphonics
 7:45 p.m.—Gwyneth Wilde and Fred Moret
 8 p.m.—Popular music
 9 p.m.—University Players
 9:30 p.m.—Concert feature
 10 to 11 p.m.—All request dance program

483.6 Meters **KGW** **Channel 62**
620 Kcys. **1000 Watts**
The Morning Oregonian, Portland, Oregon
 7:15 to 7:45 a.m.—Y. M. C. A. health exercises
 7:45 to 8 a.m.—Devotional services
 8 to 9 a.m.—Portland Breakfast Club
 9 to 9:30 a.m.—"Health in Refrigeration," NBC
 9:30 to 9:45 a.m.—The Town Crier
 9:45 to 10 a.m.—"Betty Crocker"
 10 to 10:30 a.m.—Town Crier, KGW
 10:30 to 11:30 a.m.—"Magazine of the Air," NBC
 11:30 to 11:45 a.m.—Fels Naptha
 11:45 to 12 noon—Records
 12 to 1 p.m.—Organ recital
 1 to 1:15 p.m.—U. S. market report
 1:15 to 2 p.m.—Musical entertainment
 2 to 3 p.m.—The Wanderers, NBC
 3 to 4:15 p.m.—Musical Master Works
 4:15 to 4:30 p.m.—Universal Safety Series, NBC
 4:30 to 5 p.m.—Service Hour
 5 to 5:30 p.m.—Stewart-Warner
 5:30 to 6 p.m.—Around the World with Libby
 6 to 7 p.m.—Eveready Hour, NBC
 7 to 7:30 p.m.—Clicquot Club Eskimos
 7:30 to 8 p.m.—Earl Radio program, NBC
 8 to 9 p.m.—Radio-Keith-Orpheum, NBC
 9 to 9:30 p.m.—The Parker Family, NBC
 9:30 to 10 p.m.—Franz Doughboys
 10 to 11 p.m.—Gold Shield concert, KOMO
 11 to 12 midnight—Dance Band

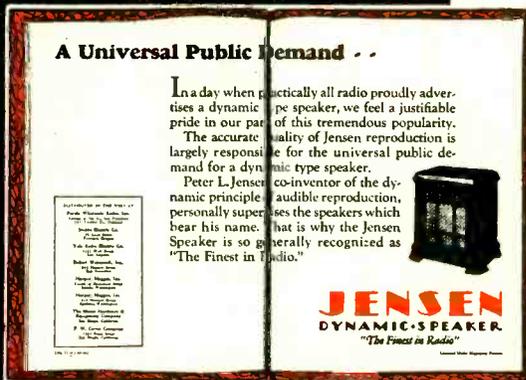
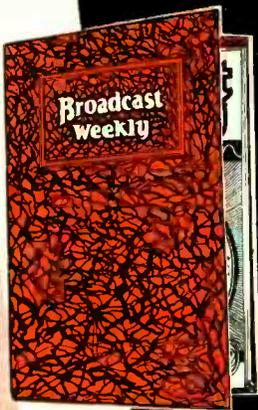
315.6 Meters **KFWB** **Channel 95**
950 Kcys. **1000 Watts**
Warner Brothers, Hollywood, California
 9 to 11:15 a.m.—Radio varieties
 11:15 to 12:30 p.m.—Quintet and soloists
 12:30 to 2:10 p.m.—Radio varieties
 4:15 to 6 p.m.—Radio varieties
 6 to 6:30 p.m.—Dance orchestra
 6:30 to 7 p.m.—Harry Jackson's entertainers
 7 to 7:30 p.m.—Hollywood Athletic Club
 7:30 to 8 p.m.—Murphy Players presenting a playlet
 8 to 8:30 p.m.—Bridge game
 8:30 to 9 p.m.—507 Boys
 9 to 9:30 p.m.—The Edgeworth Plantation Club
 9:30 to 10:30 p.m.—Main bout from the Olympic Auditorium
 10:30 to 11:30 p.m.—Jimmie Kerr's orchestra

232.6 Meters **KDYL** **Channel 129**
1290 Kcys. **1000 Watts**
Intermountain Broad. Corp., Salt Lake City
 5 p.m.—Dinner Hour Varieties
 5:30 p.m.—Twilight Echoes
 6 p.m.—Paul Whiteman and his orchestra, CBS
 7 p.m.—Johnny Rosell's dance orchestra
 7:30 p.m.—Novelty Hour
 8 p.m.—Light classics
 8:30 p.m.—Hotel Paramount Orchestra, CBS
 9 p.m.—Musical review
 9:30 p.m.—Semi-classical program by electrical transcription
 10 p.m.—The old and new in popular dance hits
 11 p.m.—Country Store

225.4 Meters **KGB** **Channel 133**
1330 Kcys. **250 Watts**
Pickwick Broadcasting Co., San Diego, Cal.
 7 to 8 p.m.—Bill Rossi, Eleanor Lynch and Otto Hoeg
 8 to 9 p.m.—Pickwick Concert Quartette and vocalist
 9 to 10 p.m.—Aloha Boys Hawaiian Trio and Harry Woods
 10 to 12 midnight—Kennedy's Nite Club

THIS BEAUTIFUL LEATHERETTE COVER FREE

with a one year subscription to
BROADCAST WEEKLY



This cover has been designed especially for your copy of *Broadcast Weekly*. It has an elastic cord in the center, under which the copy is fitted. Made of the best grade of imitation leather, it will last for years. It is dark mahogany color with gold lettering. It will lend prestige to any radio and something that you will be proud to have on your set.

If you are a present subscriber then you can extend your subscription for one year and get this beautiful cover free.

USE THIS COUPON

BROADCAST WEEKLY,
726 Pacific Bldg., San Francisco, Calif.
Gentlemen: Here's my Three Dollars for which send me BROADCAST WEEKLY for one year and the Leatherette Cover.

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

WEDNESDAY Programs

NBC

National Broadcasting Company

10:15 to 10:30 a.m.—Mary Hale Martin's Household Period

Bringing romance into the business of home-making, Mary Hale Martin's Household Period will be broadcast today through KGO, KHQ, KOMO, KGW, KFI, KSL and KOA.

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

Magnolia, Henry and Charley will present their Oronite Comedy at the beginning of today's broadcast. The Easier Housekeeping Feature will follow with Helen Webster discussing "Roasting," apropos with Thanksgiving close at hand. Miss Webster will speak again later on "Painted Furniture" as her contribution to the Fuller Feature.

Marian Gilbert, contralto, and John and Ned will join the Magazine Melodists to provide the morning's musical entertainment.

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

1 to 2 p.m.—Radio Guild

Choosing another notable drama for a special microphone adaptation, the Radio Guild will present a radio matinee for a nationwide audience. The Radio Guild is composed of actors and actresses heard in many important stage and studio productions. During this new series of broadcasts they will enact condensed versions of the outstanding works of such authors as Ibsen, O'Neill, Drinkwater and Oscar Wilde.

Broadcast through KGO and KOMO.

2 to 2:15 p.m.—Women's National Party (New York). Broadcast through KGO, KHQ, KOMO, and KGW.

3 to 4 p.m.—The Cabin Door.

This program deals with the adventures and humorous undertakings of several colored friends living somewhere in the South. Among the actors taking part in the production are Charles McAllister, Captain William Royle, Clarence Hayes and Harold Peary. Musical programs precede and follow the sketch.

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

4:30 to 5 p.m.—Westinghouse Salute

Cesare Sodero will conduct the symphony orchestra, in which 40 singers and 50 instrumentalists unite to interpret special transcriptions of the great classics of musical literature and other compositions written especially for this production by Sodero. The dramatic portion of the Salute will be presented by a cast of 20 actors and actresses who have won fame behind Broadway footlights.

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

5 to 5:30 p.m.—The Olympians, KGO.

5:30 to 6 p.m.—The Three Boys, KGO.

6 to 6:30 p.m.—The Halsey Stuart Program.

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

6:30 to 7:30 p.m.—Palmolive Hour

Olive Palmer, coloratura soprano, will sing the "Jewel Song" from the opera "Faust," by Gounod. Besides Miss Palmer, there will be Paul Oliver, tenor, the Revelers and a concert orchestra, all contributing to a program that is musically rich along variety lines, con-

sisting as it does of popular, ballad, semi-classical and operatic selections.

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

7:30 to 8 p.m.—Stromberg-Carlson Program

Suggestive of the storm and stress of life, the "Ruy Blas" overture will be played. Guy Fraser Harrison and his Stromberg-Carlson Orchestra of 48 pieces scheduled to interpret the famous Mendelssohn overture which was written for a drama by Victor Hugo bearing the same name.

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

8 to 8:30 p.m.—"Roads to Romance" with Jack and Ethyl. A gigantic football rally in anticipation of the Stanford-California "Big Game,"

November 23, will be staged for the entertainment of the NBC audience. "Pop" Warner, the Cardinals' coach, and Captain "Mush" Muller will be among those coming before the microphone along with team members and student body executives. Music by the collegians and student cheers will bring the atmosphere of the campus to the radio audience which will hear a vivid description of the gigantic rally around the traditional bonfire.

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

8:30 to 9 p.m.—The Hill Billy Boys

The group of vocal and instrumental artists who are heard during these weekly programs have an apparently limitless store of songs of comic, serious or sentimental nature. Among the Hill Billy Boys who will present the old-time favorites are Charles Marshall, Johnny Toffoli, Johnny O'Brien, Virgil Ward and Ted Maxwell.

Broadcast through KGO and KHQ.

9 to 9:30 p.m.—Parisian Quintet, KGO.

9:30 to 10 p.m.—Miniature Biographies

A miniature biography based on the life of Ruggiero Leoncavallo, Italian operatic composer, and written for radio by Grace Sander-son Michie, will be presented over KGO.

10 to 11 p.m.—Colton Blossom Minstrels

This troupe of black-face comedians has everything that goes with a good old-fashioned minstrel show, the parade of the band before the town hall, ballyhoo man, the interlocutor and, of course, Tambo and Bones, the end men.

Broadcast through KGO, KHQ, KFI and KSL.

11 to 12 midnight—Musical Musketeers

Walter Beban, orchestra leader, directs the Musketeers in their capricious selections. Specialty numbers complete the hour, which will be broadcast through KHQ, KOMO and KPO.

291.1 Meters **CNRV** Channel 103
1030 Kcys. 500 Watts
Canadian National Rys., Vancouver, B. C.

10:30 a.m.—Morning Hour of Music
10 p.m.—Duke Kamiki and his Hawaiians;
Arthur Tetley, piano accordion; Zoe Higgin-son, blues singer

225.4 Meters **KGB** Channel 133
1330 Kcys. 250 Watts
Pickwick Broadcasting Co., San Diego, Cal.

7 to 7:30 p.m.—King Brady

7:30 to 8:30 p.m.—Concert quartette and vocalists

8:30 to 9 p.m.—Community Chest program and

Harry Woods

9 to 10 p.m.—Aloha Boys Hawaiian Trio and

Verlie Barclay

10 to 12 midnight—Kennedy's Nite Club

WEDNESDAY Programs

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

Don Lee, Inc., San Francisco, Calif.

- 7 to 7:30 a.m.—Simpy Fitts; N. Y. Exchange
- 7:30 to 8 a.m.—Simpy Fitts
- 8 to 8:30 a.m.—Bill Wright, "The Pathfinder"
- 8:30 to 9 a.m.—Recordings
- 9 to 9:30 a.m.—Columbia Noonday Club
- 9:30 to 10 a.m.—Recorded program
- 10 to 10:30 a.m.—Morning Melodist, direction Frank Moss
- 10:30 to 11 a.m.—Wyn's Daily Chats
- 11 to 11:30 a.m.—Mary Haine's domestic talk
- 11:30 to 12 noon—Auditions
- 12 to 1 p.m.—Sherman & Clay noonday concert
- 1 to 1:30 p.m.—Musical Albums, CBS
- 1:30 to 2 p.m.—Charlie Wellman, DLBS
- 2 to 3 p.m.—Happy Go Lucky Hour
- 3 to 3:30 p.m.—The "Observer" about new books
- 3:30 to 3:35 p.m.—Something About Everything
- 3:35 to 4 p.m.—News bulletins
- 4 to 4:50 p.m.—Matinee Melody Masters, DLBS
- 4:50 to 4:55 p.m.—Recordings
- 4:55 to 5 p.m.—Town topics
- 5 to 5:30 p.m.—Grand opera, CBS
- 5:30 to 6:30 p.m.—Joe Mendel and his Pep Band, with Mac
- 6:30 to 7 p.m.—Thirty Minutes of Sunshine with Mellowed Melody for S. & W.
- 7 to 7:30 p.m.—Kolster Radio Hour
- 7:30 to 8 p.m.—Maytag So-A-Tone program
- 8 to 8:30 p.m.—Zenith program, DLBS
- 8:30 to 9:30 p.m.—M. G. M. Movie Club, DLBS
- 9:30 to 10 p.m.—Orchestra and soloists
- 10 to 11 p.m.—Anson Weeks' Hotel Mark Hopkins orchestra
- 11 to 12 midnight—Herb Meyerinck's Mandarin Band
- 12 to 1 a.m.—Dorado Club Silver Fizz dance music

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

Louis Wasmer, Inc., Spokane, Washington

- 6:45 to 7 a.m.—Inspirational Service
- 7 to 8 a.m.—Making Merry with Sperry
- 8 to 9 a.m.—The Shell Happy Time
- 9 to 9:30 a.m.—Musical Bazaar
- 9:30 to 9:45 a.m.—Sunshine program
- 9:45 to 10 a.m.—Fitch program
- 10 to 10:15 a.m.—Marmola So-A-Tone
- 10:15 to 10:30 a.m.—Mary Hale Martin, NBC
- 10:30 to 11:30 a.m.—Magazine of the Air, NBC
- 11:30 to 11:45 a.m.—Chips of Pleasure
- 11:45 to 12 noon—Farmers' Service Hour
- 12 to 1 p.m.—Lewiston Idaho program
- 1 to 1:30 p.m.—Crosley Musical Review
- 1:30 to 1:45 p.m.—Miss Modern
- 1:45 to 2 p.m.—Fur Facts
- 2 to 2:15 p.m.—National Women's Party, NBC
- 3 to 4 p.m.—Cabin Door, NBC
- 4 to 4:30 p.m.—Concert orchestra
- 4:30 to 5 p.m.—Westinghouse Salute, NBC
- 5 to 5:30 p.m.—Concert orchestra
- 5:30 to 6 p.m.—Temple-Tones
- 6 to 6:30 p.m.—Halsey Stuart, NBC
- 6:30 to 7:30 p.m.—Palmolive Hour, NBC
- 7:30 to 8 p.m.—Stromberg-Carlson, NBC
- 8 to 8:30 p.m.—Roads to Romance, NBC
- 8:30 to 9 p.m.—Hill Billy Boys, NBC
- 9 to 9:30 p.m.—Bremer Tully
- 9:30 to 10 p.m.—Veedol Vodvil
- 10 to 11 p.m.—Cotton Blossom Minstrels, NBC
- 11 to 12 midnight—Musical Musketeers, NBC

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

General Electric Co., Oakland, California

- 10:15 to 10:30 a.m.—Mary Hale Martin Hour
- 10:30 to 11:30 a.m.—Woman's Magazine of the Air
- 11:30 to 12 noon—Philharmonic organ
- 12 to 1 p.m.—Luncheon concert
- 1 to 2 p.m.—Radio Guild
- 2 to 2:15 p.m.—National Women's Party
- 3 to 4 p.m.—The Cabin Door
- 4 to 4:30 p.m.—Edw. J. Fitzpatrick and his Hotel St. Francis Salon Orchestra
- 4:30 to 5 p.m.—Westinghouse "Salutes"
- 5 to 5:30 p.m.—The Olympians
- 5:30 to 6 p.m.—The Three Boys
- 6 to 6:30 p.m.—Halsey Stuart program
- 6:30 to 7:30 p.m.—Palmolive Hour
- 7:30 to 8 p.m.—Stromberg-Carlson program
- 8 to 8:30 p.m.—Jack and Ethyl, the motor mates
- 8:30 to 9 p.m.—Hill Billy Boys
- 9 to 9:30 p.m.—Parisian Quintet
- 9:30 to 10 p.m.—Miniature Biographies
- 10 to 11 p.m.—The Cotton Blossom Minstrels
- 11 to 12 midnight—St. Francis Hotel dance orchestra

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

The Morning Oregonian, Portland, Oregon

- 7 to 8 a.m.—"Making Merry with Sperry," KPO
- 8 to 9 a.m.—Shell Happy Time, NBC
- 9 to 9:10 a.m.—News
- 9:10 to 9:30 a.m.—Oregonian Cooking School
- 9:30 to 10:15 a.m.—Town Crier
- 10:15 to 10:30 a.m.—Libby, McNeill & Libby, NBC
- 10:30 to 11:30 a.m.—"Woman's Magazine of the Air," NBC
- 11:30 to 12 noon—Maytag "So-A-Tone"
- 12 to 1 p.m.—Hollywood organ
- 1 to 1:15 p.m.—U. S. market report
- 1:15 to 2 p.m.—Musical entertainment
- 2 to 2:15 p.m.—National Women's Party, NBC
- 2:30 to 3 p.m.—Stewart-Warner
- 3 to 4 p.m.—Cabin Door, NBC
- 4 to 4:30 p.m.—Service Hour, KGW
- 4:30 to 5 p.m.—"The Westinghouse Salute," NBC
- 5 to 6 p.m.—"Franz" Children's Hour
- 6 to 6:30 p.m.—Halsey Stuart, NBC
- 6:30 to 7:30 p.m.—Palmolive program, NBC
- 7:30 to 8 p.m.—Stromberg Carlson program, NBC
- 8 to 8:30 p.m.—"Roads to Romance," NBC
- 8:30 to 9 p.m.—The "4" Davidson Bakers
- 9 to 9:30 p.m.—Brunswick Hour
- 9:30 to 10 p.m.—Veedol Vodvil, KOMO
- 10 to 11 p.m.—Fisher Concert Orchestra, KOMO
- 11 to 12 midnight—Dance Band

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

American Radio Tel. Co., Seattle, Wash.

- 1 p.m.—Hawaiian program
- 2 p.m.—Popular music
- 3 p.m.—Bridge Party Hour
- 4 p.m.—Organ concert
- 5 p.m.—Piano and song recital
- 6 p.m.—Cecil Finley and his California Stompers, with Eddie Rucker
- 7 p.m.—CBS program
- 7:30 p.m.—Whiteman's Symphonics
- 8 p.m.—Popular music
- 8:30 p.m.—Edna Holt program
- 9 p.m.—Concert feature
- 10 p.m.—All request dance program

WEDNESDAY Programs

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

Pacific Broadcasting Corp., San Francisco

9 to 9:30 a.m.—Request recorded program
 9:30 to 10 a.m.—Program for Fox and Warfield
 10 to 11 a.m.—Recorded program
 11 to 12 noon—California Sunshine Hour
 12 to 1:30 p.m.—Popular recordings
 1:30 to 3:30 p.m.—Classical recordings
 3:30 to 4 p.m.—Selected recordings
 4 to 4:30 p.m.—Santa Claus from the Emporium
 4:30 to 4:45 p.m.—Recordings
 4:45 to 5:45 p.m.—Sapphire Musical Gems
 5:45 to 6 p.m.—Talk on Crime Prevention
 6 to 6:30 p.m.—Program for Sidley Company
 6:30 to 7 p.m.—Program for Fox and Warfield
 7 to 7:15 p.m.—George Taylor
 7:15 to 7:30 p.m.—Cecil and Sally
 7:30 to 8 p.m.—1640 Boys; Tommy Monroe and Bob Allen
 8 to 8:30 p.m.—Pacific Artists' Trio, under the direction of Liborius Hauptmann, with Nellie Wren, soprano
 8:30 to 9 p.m.—George Taylor, Constance Piper and "Little Miss Muffet"
 9 to 9:50 p.m.—Pacific Artists' Trio, under the direction of Liborius Hauptmann, with Dorothy Lewis, contralto
 9:50 to 10 p.m.—Metro and Cosmo, the Politan Brothers
 10 to 11 p.m.—Silver Slipper Cafe orchestra
 11 to 12 midnight—Byington Electric program
 12 to 1 a.m.—All request program

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

Fisher's Blend Station, Seattle, Washington

6:57 a.m.—Inspirational services
 7 a.m.—Making Merry with Sperry
 8 a.m.—Shell Happy Time
 9 a.m.—Y. M. C. A. health exercises
 10 a.m.—Fels Naptha Auditone broadcast
 10:15 a.m.—Mary Hale Martin Hour, NBC
 10:30 a.m.—Woman's Magazine of the Air, NBC
 11:30 a.m.—Marmola So-A-Tone broadcast
 11:45 a.m.—Mary Blake's recipe talk
 12 noon—Dorothea Wei and Fred Lynch
 12:15 p.m.—"What to Prepare for Dinner"
 12:30 p.m.—Orchestra; Rhena Marshall, mezzo soprano
 1 p.m.—Radio Guild
 2 p.m.—National Women's Party, NBC
 2:15 p.m.—Orchestra; G. Donald Gray and Hayden Morris
 3 p.m.—Cabin Door, NBC
 4 p.m.—Mining stock quotations
 4:15 p.m.—Kiddies' program
 4:30 p.m.—Westinghouse Salute, NBC
 5 p.m.—Mixed vocal quartet
 5:30 p.m.—Artistic Ensemble with Fred Lynch, tenor
 6 p.m.—Halsey Stuart, NBC
 6:30 p.m.—Palmolive Hour, NBC
 7:30 p.m.—Stromberg-Carlson program, NBC
 8 p.m.—Roads to Romance, NBC
 8:30 p.m.—Nunn, Bush & Weldon Shoe Co. program
 8:45 p.m.—Orchestra; G. Donald Gray, baritone
 9 p.m.—Maytag Radioette
 9:30 p.m.—Veedol Vodvle
 10 p.m.—Fisher's Blend Hour
 11 p.m.—News flashes
 11:15 a.m.—Musical Musketeers, NBC
 12 midnight—Organ recital

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

Hale Bros. & The Chronicle, San Francisco

7 to 8 a.m.—Health exercises by Hugh Barrett Dobbs, assisted by William Hancock
 8 to 9 a.m.—The Shell Happy Time by Hugh Barrett Dobbs and William H. Hancock
 9:30 to 10 a.m.—Dobbsie's Daily Chat
 10 to 10:30 a.m.—Helpful Hints for Housewives
 10:30 to 11:30 a.m.—Woman's Magazine of the Air, NBC
 11:45 to 12:05 p.m.—Scripture; weather and special announcements
 12:05 to 1 p.m.—Aeolian Trio
 1 to 1:30 p.m.—Jerry Jermaine
 1:30 to 2 p.m.—Ann Warner's home chats
 2 to 3 p.m.—Aeolian Trio
 3 to 4 p.m.—The Cabin Door, NBC
 4 to 5 p.m.—Studio Hour; market quotations
 5 to 5:50 p.m.—Children's Hour
 5:50 to 6 p.m.—News digest, "Scotty" Mortland
 6 to 7 p.m.—Salon orchestra and book review
 7 to 8 p.m.—North American popular concert
 8 to 8:30 p.m.—"Jack and Ethyl," NBC
 8:30 to 9 p.m.—"Packard program," KPO and KFI
 9 to 10 p.m.—Midweek Variety Hour
 10 to 11 p.m.—Jesse Stafford's Palace Hotel dance orchestra
 11 to 12 midnight—Musical Musketeers, NBC

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

Warner Brothers, Hollywood, California

8 to 10 a.m.—The Breakfast Club
 10 to 10:30 a.m.—Prudence Penny
 10:30 to 11:45 a.m.—Radio varieties
 11:45 to 12:30 p.m.—KFWB Quintet and soloists
 12:30 to 1:15 p.m.—Radio varieties
 1:15 to 1:45 p.m.—Jimmie Kerr's orchestra
 1:45 to 2:10 p.m.—Radio varieties
 4:15 to 6 p.m.—Radio varieties
 6 p.m.—KFWB dance orchestra
 6:30 to 7 p.m.—Harry Jackson's entertainers
 7 to 7:30 p.m.—507 Boys
 7:30 to 8 p.m.—Julius K. Johnston, organist
 8 to 9 p.m.—Ray Martinez and his concert orchestra; Vernon Rickard, tenor; Emma Kimmel, soprano
 9 to 10 p.m.—Continuity program, "Etchings in Jazz"; Ann Grey, and Buster Dees, popular songs; Don Warner, pianist
 10 to 11 p.m.—George Olson's orchestra
 11 to 12 midnight—Jimmie Kerr's orchestra

499.7 Meters **KFSD** **Channel 60**
600 Kcys. **1000 Watts**

Airfan Radio Corp., San Diego, Calif.

8:30 to 8:45 a.m.—Mr. Martinez, Spanish lesson
 8:45 to 9 a.m.—Good Cheer program
 9 to 10 a.m.—Morning musical
 10 to 11 a.m.—Amy Lou shopping hour
 11 to 12:30 p.m.—Lloyd Peck's service hour
 12:30 to 1 p.m.—Popular records
 1 to 2 p.m.—KFSD matinee hour
 2 to 2:30 p.m.—Story time
 2:30 to 3:30 p.m.—Organ concert
 3:30 to 3:45 p.m.—Fashions for women
 3:45 to 5 p.m.—Light opera program
 5 to 6 p.m.—Nightly musical review
 6 to 6:10 p.m.—Stock reports
 6:10 to 6:25 p.m.—Late news items
 6:25 to 7 p.m.—Studio program
 7 to 8 p.m.—Concert trio
 8 to 9 p.m.—Courtsey program
 9 to 10 p.m.—Nashold's Downtown Ballroom
 10 to 11 p.m.—Doc Ross and his music
 11 to 12 midnight—Hotel Del Coronado Orch.

WEDNESDAY Programs

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

6:45 to 7 a.m.—“Early Birds” exercises
 7:15 to 7:30 a.m.—“Pep and Vigor” exercises
 7:45 to 8 a.m.—“Home Folks” exercises
 8 to 8:15 a.m.—Record program
 8:15 to 8:30 a.m.—Talk and morning prayer
 9 to 9:30 a.m.—Georgia O. George program
 9:30 to 10 a.m.—Radio shopping news
 10 to 10:30 a.m.—Town Crier’s morning message
 10:30 to 11 a.m.—Household economics
 11 to 11:30 a.m.—KNX Clinic of the Air
 11:30 to 11:45 a.m.—Courtesy program
 11:45 to 12 noon—Marmola “So-A-Tone” broadcast
 12:30 to 12:45 p.m.—Bell Laboratories
 1:30 to 2 p.m.—The Bookworm
 2 to 2:30 p.m.—Records and announcements
 3:30 to 4 p.m.—KNX Clinic of the Air
 4 p.m.—Announcements and stock reports
 4:30 to 5 p.m.—C. P. R.’s musical program
 5 to 5:15 p.m.—Travelogue
 5:15 to 5:45 p.m.—“Own Your Own Home”
 5:45 to 6 p.m.—Town Crier’s amusement tips
 6 to 7 p.m.—Organ program
 7 to 7:30 p.m.—“Mr. and Mrs.” radio skit, featuring Georgia Field and Eddie Albright
 7:30 to 8 p.m.—Courtesy program
 8 to 8:30 p.m.—Bert Butterworth and his “Air-dales”
 8:30 to 9:30 p.m.—“Navigator Hour”
 9:30 to 10 p.m.—KNX feature artists
 10 to 12 midnight—Hotel Ambassador Coconut Grove Orchestra
 12 to 1 a.m.—Dorado Club Silver Fizz dance hour

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

7 to 7:30 a.m.—Physical culture period
 7:30 to 7:40 a.m.—Stock Exchange reports
 7:40 to 8 a.m.—Recordings
 8 to 9 a.m.—Alarm Clock
 9 to 9:30 a.m.—Columbia Noon-Day Club, CBS
 9:30 to 10 a.m.—Yoeng’s Orchestra, CBS
 10 to 10:30 a.m.—Agnes White, “At Our House”
 10:30 to 11 a.m.—The Times Forum
 11 to 11:30 a.m.—Patterns in Prints, CBS
 11:30 to 11:45 a.m.—Richardson’s Music Co. program
 11:45 to 12 noon—Recordings
 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.—Kiwanis Club luncheon
 1:30 to 2 p.m.—Charlie Wellman
 2 to 3 p.m.—Fada Radio program
 3 to 3:30 p.m.—Fred C. McNabb, “Gardens”
 3:30 to 4 p.m.—Talk or records
 4 to 4:30 p.m.—Matinee Melody Masters
 4:30 to 4:50 p.m.—Story Man’s “Air Castle”
 4:50 to 5 p.m.—World-wide news
 5 to 6 p.m.—Voice of Columbia, CBS
 6 to 7 p.m.—Organ program with singers
 7 to 7:30 p.m.—Kolster program, CBS
 7:30 to 8 p.m.—Don Lee Symphony
 8 to 8:30 p.m.—Chanslor & Lyon program
 8:30 to 9:30 p.m.—Movie Club
 9:30 to 10 p.m.—Don Lee Symphony
 10 to 10:05 p.m.—World-wide news
 10:05 to 12 midnight—Earl Burtnett’s dance orchestra
 12 to 1 a.m.—Organ recital

535.4 Meters **KTAB** **Channel 56**
560 Kcys. **1000 Watts**
Pickwick Broadcasting Co., Oakland, Calif.

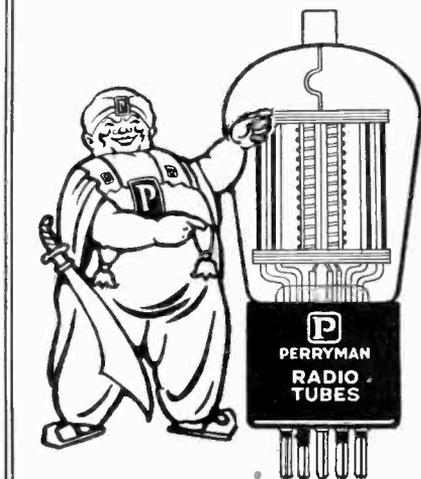
7 to 8 a.m.—Eye Openers
 8 to 8:30 a.m.—Recordings
 8:30 to 9 a.m.—Dr. Wade Forrester
 9 to 9:30 a.m.—Morning Prayer Hour
 9:30 to 10:30 a.m.—Recordings
 10:30 to 11 a.m.—Dr. B. L. Corley
 11 to 12 noon—Barney Lewis Tabloid of the Air
 12 to 1 p.m.—Sterling Cosmopolitans
 1 to 1:30 p.m.—Chapel of the Chimes
 1:30 to 2 p.m.—Recordings
 2 to 3 p.m.—Organ recital by Alice Blue
 3 to 3:45 p.m.—Melody Masters
 3:45 to 4 p.m.—Leah Kimball’s Book Review
 4 to 5 p.m.—Home Towners
 5 to 6 p.m.—Brother Bob’s Frolic Hour
 6 to 6:30 p.m.—Sterling Cosmopolitans
 6:30 to 7 p.m.—Twilight Hour
 7 to 7:30 p.m.—Recordings
 7:30 to 8 p.m.—Ronald Jonson
 8 to 9 p.m.—Organ recital by Alice Blue
 9 to 11 p.m.—Melody Masters and Pickwickians Dance Orchestra
 11 to 12 midnight—Night Owls with Pickwickians Dance Orchestra
 12 to 1 a.m.—Slumber Chasers

340.7 Meters **KLX** **Channel 88**
880 Kcys. **500 Watts**
Tribune Publishing Co., Oakland, Calif.

7 to 8 a.m.—Exercises; stocks
 8 to 9 a.m.—Jean Kent
 9 to 9:30 a.m.—Modern Homes period
 9:30 to 10:15 a.m.—Recordings
 10:15 to 10:30 a.m.—S. F. stocks; weather
 10:30 to 11 a.m.—Recordings
 11 to 12 noon—Classified adv. hour
 12 to 1 p.m.—Machado’s KLX Hawaiians
 1 to 2 p.m.—Jean’s Hi-Lights
 2 to 2:55 p.m.—Recordings
 2:55 to 3 p.m.—Stocks, closing prices
 3 to 3:30 p.m.—Ethel Rhinard, pianist; Cora Scott, contralto
 3:30 to 3:50 p.m.—Records
 3:50 to 4 p.m.—Belco talk
 4 to 4:30 p.m.—The Happy Hayseeds
 4:30 to 5 p.m.—Chas. T. Besserer, organist
 5 to 5:30 p.m.—Brother Bob
 5:30 to 6 p.m.—Cressy Ferra, pianist
 6 to 7 p.m.—Hotel Oakland concert trio
 7 to 7:30 p.m.—News broadcast
 7:30 to 8 p.m.—Rhinard and Scott
 8 to 9 p.m.—Educational hour—world news by Ad Schuster; music talk by Roy Harrison Danforth; book reviews by The Bookworm; Oakland public schools talk, and piano solos by Helen Wegman Parmelee
 9 to 10 p.m.—Pacific Slope Dairy Show program

265.3 Meters **KSL** **Channel 113**
1130 Kcys. **5000 Watts**
Radio Service Corp., Salt Lake City, Utah

5 p.m.—Jack Summerhays, Utah tenor, and assisting artists
 5:30 p.m.—“The Sunshine Girls”
 6 p.m.—Program of musical novelties
 6:30 p.m.—Palmolive Hour, NBC
 7:30 p.m.—Victor Wagner’s orchestra, NBC
 8 p.m.—“Amos ‘n’ Andy,” NBC
 8:15 p.m.—“The Spinning Girls” Trio
 8:45 p.m.—“The Romance of Gems”
 9 p.m.—“The Sunfreze Ensemble,” vocalists and instrumentalists
 9:30 p.m.—Program by electrical transcription
 10 p.m.—“Cotton Blossom Minstrels,” NBC

THE PERRYMAN PLATFORM

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

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

District Representative

James P. Hermans

585 Mission Street
San Francisco, Cal.

Distributed by

Wholesale Radio Supply Co.

269 Seventh Avenue
San Francisco, Cal.



PERRYMAN RADIO TUBES

A Complete Line of Standard Equipment for every Radio Purpose



THURSDAY Programs

NBC

National Broadcasting Company

9:45 to 10 a.m.—Betty Crocker Gold Medal Home Service Talks

Another 15-minute talk by Betty Crocker will be offered the feminine audience today through KGO, KHQ, KOMO, KGW and KFI.

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

Classical and popular melodies by the eight-piece orchestra and songs by Jack Deane and Harold Spaulding will provide a musical setting for Ann Holden and Sara Treat, who speak during today's broadcast. "Thanksgiving Oyster Cocktail" is Miss Holden's topic for the California Home Catsup Feature and "Refreshing Beverages" are promised when the Rubyettes period is on the air. Miss Treat will present another chapter in the "Romance of Margery" with the virtuoso, Don Amaizo, providing colorful violin solos.

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

11 to 11:45 a.m.—Standard School Broadcasts

Music at court will be the lesson theme for both elementary and advanced Standard School Broadcasts as school children on the Pacific Coast assemble before loudspeakers for the twelfth music appreciation lecture in this year's course. Composers, including Bach and Handel, who wrote much delightful dance music while holding positions as court musicians will be discussed during the lessons.

Two instruments in the wood-wind section of the orchestra—the oboe and the bassoon—will be the subject of brief talks.

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

3 to 4 p.m.—The House of Myths

From the classics of ancient mythology the story of Hercules' ascent into heaven has been chosen for dramatization this afternoon.

Under Caryl Coleman's direction, a group of National Players will enact this drama, written especially for microphone production. Fifteen-minute recitals to open and close the hour will be presented by Lucile Kirtley, soprano; Margaret O'Dea, contralto, and the Linden Trio.

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

5 to 6 p.m.—Fleischmann Sunshine Hour

With Rudy Vallee, Marcella Shields and Graham McNamee as the principals, another Fleischmann Sunshine Hour program will be broadcast. Vallee and his Connecticut Yankees will be heard in several of their old favorites as well as in the newest popular melodies through KGO, KHQ, KOMO, KGW and KPO.

6 to 6:30 p.m.—Seiberling Singers

Frank Black, musical director of these weekly presentations will be heard as a piano soloist when he offers one of his surprise improvisations.

Kahn's devotional "Ave Maria" will be the first of two solos by James Melton, tenor. The Singing Violins are other contributors to the program.

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

7 to 7:30 p.m.—Radio Victor Program.

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

7:30 to 8:30 p.m.—Standard Symphony Hour

Alfred Hertz and the San Francisco Symphony Orchestra will interpret five classics when the nationally-famous musicians present their third Standard Symphony Hour program.

Handel's Concerto Grosso in D Minor, the tenth of a group of twelve grand concertos for stringed instruments composed by him within a month, is the initial selection. Written in 1739, these concerti grossi differ distinctly from the modern concerto and are in a form no longer used by composers.

Eighteenth century composition is represented also by Gluck's "Dance of the Blessed Spirits," a ballet movement taken from his opera, "Orpheus and Eurydice."

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

8:30 to 9 p.m.—The Cosmopolitans

A special arrangement of "Rio Rita" will be played during tonight's broadcast. "On Parade" has been chosen by Max Dolin, conductor, as the opening number and before the close of the half hour one of his own compositions, "Neath Starry Skies of Spain," will be played.

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

9 to 9:30 p.m.—Memory Lane

Written by H. C. Connette, NBC continuity writer, "Memory Lane" offers a weekly review of news from the midwestern village and carries the audience back to the days of McKinley and Cleveland. Billy Page, NBC juvenile star, heads the cast, which includes Eileen Piggott, Olive West, George Rand and Richard Le Grand.

Broadcast through KGO and KGW.

9:30 to 10 p.m.—Plano Pictures, KGO.

10 to 10:30 p.m.—Plantation Echoes, KGO.

10:30 to 11 p.m.—NBC Green Room

Classic music especially adaptable to interpretation as solos by a baritone, a contralto and an organist is to be offered by John Teel, Eva Gruninger Atkinson and Elmer Crowhurst during the Green Room presentation through KGO and KFI.

11 to 12 midnight—Musical Musketeers

Dance tunes by the Musical Musketeers, directed by Walter Beban, will be broadcast through KGO, KHQ, KOMO and KPO.

468.5 Meters

KFI

Channel 64

640 Kcys.

5000 Watts

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

7:30 a.m.—Market quotations

8 a.m.—Shell Happy Time from KPO

9:15 a.m.—Bristow & Company, Ltd., Sylvia and Al

9:45 a.m.—"Betty Crocker, Home Service Talks," NBC

10 a.m.—"Woman's Magazine of the Air, NBC

11 a.m.—Standard School Broadcast, NBC

11:45 a.m.—French lesson by Annette Doherty

12 noon—Dept. of Agriculture talks

12:15 p.m.—Federal and state market reports

2 p.m.—Triolian Trio

2:15 p.m.—Winnie Fields Moore, Travelogue

2:30 p.m.—"Phenomena"

3:30 p.m.—Joseph Tolick, Alma & Adele Howell

4:30 p.m.—Big Brother

5:45 p.m.—Stock market reports

6 p.m.—Seiberling Singers, NBC

6:30 p.m.—J. T. Wood Co.

7 p.m.—Radio Victor program, NBC

7:30 p.m.—Standard Symphony, NBC

8:30 p.m.—The Cosmopolitans, NBC

9 p.m.—North American Bldg. & Loan Assn

10:30 p.m.—Green Room, NBC

11 p.m.—KFI news bureau

THURSDAY Programs

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

General Electric Co., Oakland, California

- 9:45 to 10 a.m.—Betty Crocker Gold Medal Home Service talk
- 10 to 11 a.m.—Woman's Magazine of the Air
- 11 to 11:45 a.m.—Standard School broadcast
- 11:45 to 12 noon—Philharmonic organ
- 12 to 1 p.m.—Luncheon concert
- 3 to 4 p.m.—House of Myths
- 4 to 5 p.m.—Edward J. Fitzpatrick and his Hotel St. Francis Salon Orchestra, S. F.
- 5 to 6 p.m.—Fleischmann Sunshine Hour
- 6 to 6:30 p.m.—Selberling Singers
- 6:30 to 7 p.m.—Stanislas Bem's Little Symphony, Hotel Whitcomb, S. F.
- 7 to 7:30 p.m.—Radio Victor program
- 7:30 to 8:30 p.m.—Standard Symphony Hour
- 8:30 to 9 p.m.—The Cosmopolitans
- 9 to 9:30 p.m.—Memory Lane
- 9:30 to 10 p.m.—Piano Pictures
- 10 to 10:30 p.m.—Plantation Echoes
- 10:30 to 11 p.m.—NBC Green Room
- 11 to 12 midnight—Musical Musketeers

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

Louis Wasmer, Inc., Spokane, Washington

- 6:45 to 7 a.m.—Inspirational Service
- 7 to 7:30 a.m.—Peppy Morning Varieties
- 7 to 8 a.m.—Headliners
- 8 to 9 a.m.—The Shell Happy Time
- 9 to 9:30 a.m.—Musical Bazaar
- 9:30 to 9:45 a.m.—Sunshine program
- 9:45 to 10 a.m.—Gold Medal talks, NBC
- 10 to 11 a.m.—Magazine of the Air, NBC
- 11 to 11:45 a.m.—Standard School Broadcast, NBC
- 11:45 to 12 noon—Farmers' Service Hour
- 12 to 12:15 p.m.—Nat'l Sav. luncheon program
- 12:15 to 12:30 p.m.—Musical program
- 12:30 to 1 p.m.—Gold Seal program
- 1 to 2 p.m.—Musical Bus
- 2 to 3 p.m.—Washington Home Service
- 3 to 4 p.m.—House of Myths, NBC
- 4 to 5 p.m.—Concert orchestra
- 5 to 6 p.m.—Fleischmann Sunshine Hour, NBC
- 6 to 6:30 p.m.—Selberling Singers, NBC
- 6:30 to 7 p.m.—Aills Chalmers
- 7 to 7:30 p.m.—Radio Victor program, NBC
- 7:30 to 8:30 p.m.—Standard Symphony Hour, NBC
- 8:30 to 9 p.m.—The Cosmopolitans, NBC
- 9 to 10 p.m.—Crescent's Old Time Band
- 10 to 11 p.m.—Associated Brass Band, KOMO
- 11 to 12 midnight—Musical Musketeers, NBC

299.8 Meters **KFVD** **Channel 100**
1000 Kcys. **250 Watts**

Auburn Fuller, Culver City, Calif.

- 7 to 9 a.m.—Happy-Go-Lucky Trio
- 9 a.m.—Madame Zollar's beauty talk
- 9:30 a.m.—Dan Maxwell, Scotch comedian
- 12 noon—Tom Breneman
- 12:30 p.m.—Tom and Wash
- 12:45 p.m.—Dr. Dorosh, Diet Question Box
- 1 p.m.—G. Allison's Home program
- 2:30 p.m.—Hal Roach comedy gossip
- 3 p.m.—Auburn Hour
- 4 p.m.—Eldorado program
- 4:40 p.m.—Timely Topics
- 9 p.m.—Orchestra; Peggy Price, soloist
- 10 p.m.—Happy-Go-Lucky Trio
- 11 to 1 a.m.—Sebastian's Cotton Club Orchestra

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

Tribune Publishing Co., Oakland, Calif.

- 7 to 8 a.m.—Exercises; stocks
- 8 to 9 a.m.—Jean Kent
- 9 to 9:30 a.m.—Modern Homes period
- 9:30 to 10:15 a.m.—Health questions answered
- 10:15 to 10:30 a.m.—S. F. stocks; weather
- 10:30 to 11 a.m.—Recordings
- 11 to 12 noon—Classified adv. hour
- 12 to 1 p.m.—Machado's KLX Hawaiians
- 1 to 2 p.m.—Jean's Hi-Lights
- 2 to 2:55 p.m.—Recordings
- 2:55 to 3 p.m.—S. F. stocks, closing prices
- 3 to 3:30 p.m.—Helen Parmelee, pianist
- 3:30 to 4 p.m.—Records
- 4 to 4:30 p.m.—The Happy Hayseeds
- 4:30 to 5 p.m.—Chas. T. Besserer at Scottish Rite organ
- 5 to 5:30 p.m.—Brother Bob
- 5:30 to 6 p.m.—Cressy Ferra, pianist
- 6 to 7 p.m.—Hotel Oakland concert trio
- 7 to 7:30 p.m.—News broadcast
- 7:30 to 8 p.m.—Rhinar and Scott
- 8 to 9 p.m.—Pacific Slope Dairy Show program
- 9 to 9:30 p.m.—Gospel hymns—M. Goodman, tenor, and Helen Wegman Parmelee, accompanist
- 9:30 to 10:30 p.m.—Machado's KLX Hawaiians

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

J. Brunton & Sons, San Francisco, Calif.

- 6:45 to 8 a.m.—Early Bird Hour
- 8 to 9:30 a.m.—Favorite recordings
- 9:30 to 10 a.m.—Salon orchestra
- 10 to 11:45 a.m.—Popular recordings
- 11:45 to 12 noon—Agnes Alwyn, investments
- 12 to 12:05 p.m.—Stock report
- 12:05 to 2 p.m.—Variety records
- 2 to 2:30 p.m.—Dell Raymond and Harry Miles
- 2:30 to 3 p.m.—Popular records
- 3 to 3:30 p.m.—Blindcraft program
- 3:30 to 4:45 p.m.—Records

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

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

- 6:45 to 7 a.m.—"Early Birds" exercises
- 7:15 to 7:30 a.m.—"Pep and Vigor" exercises
- 7:45 to 8 a.m.—"Home Folks" exercises
- 8 to 8:15 a.m.—Record program
- 8:15 to 8:30 a.m.—Talk and morning prayer
- 9:30 to 10 a.m.—Radio shopping news
- 10 to 10:30 a.m.—Town Crier's morning message
- 10:30 to 11 a.m.—Household economics
- 11 to 11:15 a.m.—Marmola "So-A-Tone" broadcast
- 11:15 to 12:30 p.m.—Firemen's Orchestra
- 1:30 to 2 p.m.—The Bookworm
- 2 to 2:30 p.m.—Records and announcements
- 3 to 3:30 p.m.—French lessons by Edgard Leon
- 3:30 to 4 p.m.—Louise Johnson, astroanalyst
- 4 p.m.—Announcements and stock reports
- 4:30 to 5 p.m.—C. P. R.'s musical program
- 5 to 5:15 p.m.—Travelogue
- 5:15 to 5:45 p.m.—"Own Your Own Home"
- 5:45 to 6 p.m.—Town Crier's amusement tips
- 6 to 7 p.m.—Organ program
- 7 to 8 p.m.—Itchimato and Scratchimoto
- 8 to 8:30 p.m.—Rebroadcast of KFWE
- 8:30 to 9 p.m.—KNX feature artists
- 9 to 9:30 p.m.—Courtesy program
- 9:30 to 10 p.m.—KNX feature artists
- 10 to 12 midnight—Hotel Ambassador Coconut Grove Orchestra
- 12 to 1 a.m.—Dorado Club Silver Fizz dance hour

THURSDAY Programs

449.9 Meters **KPO** **Channel 68**
680 Kcys. **5000 Watts**
Hale Bros. & The Chronicle, San Francisco

7 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 and William H. Hancock
 9:30 to 10 a.m.—Dobbsie's Daily Chat
 10 to 11 a.m.—Magazine of the Air, NBC
 11 to 11:45 a.m.—Standard School broadcast,
 NBC
 11:45 to 12:05 p.m.—Time; Scripture; weather;
 announcements
 12:05 to 12:30 p.m.—Elbert Bellows, tenor, and
 Emilie McCormick, pianist
 12:30 to 1:30 p.m.—Shrine luncheon broadcast
 1:30 to 2 p.m.—Jerry Jermaine
 2 to 2:30 p.m.—Helpful Hints; Aeolian Trio
 2:30 to 2:45 p.m.—Federal Business Associa-
 tion talk
 2:45 to 3 p.m.—Stock market quotations
 3 to 4 p.m.—House of Myths, NBC
 4 to 5 p.m.—Children's Hour
 5 to 6 p.m.—Fleischman Hour, NBC
 6 to 7 p.m.—KPO Salon Orchestra
 7 to 8 p.m.—North American popular concert
 8 to 8:30 p.m.—Caswell Musical Episode
 8:30 to 9 p.m.—Aeolian Trio
 9 to 9:30 p.m.—Carolyn Cone Baldwin, pianist
 9:30 to 10 p.m.—Nathan Abas, violin recital
 10 to 10:30 p.m.—Tommy Monroe and Bob
 Allen
 10:30 to 11 p.m.—Theodore Strong, organist,
 with Elmer Herling, baritone
 11 to 12 midnight—Musical Musketeers, NBC

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

7 to 7:30 a.m.—Physical culture period
 7:30 to 7:40 a.m.—Stock Exchange reports
 7:40 to 8 a.m.—Recordings
 8 to 9 a.m.—"Early Birds" (to KFRC)
 9 to 9:30 a.m.—Columbia Noon Day Club, CBS
 9:30 to 10 a.m.—Yoeng's Orchestra, CBS
 10 to 10:30 a.m.—A. White, "At Our House"
 10:30 to 11 a.m.—The Times Forum
 11 to 11:30 a.m.—Patterns in Prints, CBS
 11:30 to 11:45 a.m.—Jackson Bell sales program
 11:45 to 12 noon—Recordings
 12 to 12:30 p.m.—Biltmore Hotel concert or-
 chestra
 12:30 to 12:45 p.m.—World-wide news
 12:45 to 1:30 p.m.—Leigh Harline's organ recital
 1:30 to 2 p.m.—Charlie Wellman (to KFRC)
 2 to 3 p.m.—Fada Radio program
 3 to 3:15 p.m.—Walter Murray, talk on books
 3:15 to 3:30 p.m.—Recordings
 3:30 to 3:45 p.m.—H. M. Robertson, talk on dogs
 3:45 to 4 p.m.—U. S. C. "Trojan"
 4 to 4:50 p.m.—Matinee Melody Masters
 4:50 to 5 p.m.—World-wide news
 5 to 5:30 p.m.—Story Man's "Air Castle"
 5:30 to 6 p.m.—Don Lee Dance Band
 6 to 7 p.m.—Organ recital, with singers
 7 to 8 p.m.—Sierra Symphonists
 8 to 8:30 p.m.—Gilfillan
 8:30 to 9 p.m.—Hank Howe's Dance Band
 9 to 10 p.m.—Don Lee Symphony
 10 to 10:05 p.m.—World-wide news
 10:05 to 12 midnight—Biltmore Hotel dance or-
 chestra
 12 to 1 a.m.—Organ recital

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

7 to 7:30 a.m.—"Simpv Pitts"; N. Y. Exchange
 7:30 to 8 a.m.—"Simpv Pitts"
 8 to 8:30 a.m.—Bill Wright, "The Pathfinder"
 8:30 to 8:45 a.m.—Recordings
 8:45 to 9:30 a.m.—Columbia Noonday Club, CBS
 9:30 to 10 a.m.—Yoeng's Orchestra, CBS
 10 to 10:30 a.m.—Morning Melodists, direction
 Frank Moss
 10:30 to 11 a.m.—Wyn's Daily Chats
 11 to 11:30 a.m.—Charles W. Hamp for S. & W.
 11:30 to 12 noon—Maytag broadcast
 12 to 1 p.m.—Sherman & Clay noonday concert
 1 to 1:30 p.m.—Musical Albums, CBS
 1:30 to 2 p.m.—Charlie Wellman, DLBS
 2 to 3 p.m.—Happy Go Lucky Hour
 3 to 3:15 p.m.—Talk on Popular Psychology,
 DLBS
 3:15 to 3:30 p.m.—Beauty talks
 3:30 to 4 p.m.—Recordings
 4 to 4:50 p.m.—Pac. States Sav. & Loan Co.,
 DLBS
 4:50 to 4:55 p.m.—Recordings
 4:55 to 5 p.m.—Town topics
 5 to 5:30 p.m.—Story Man and his Air Castle,
 DLBS
 5:30 to 6 p.m.—Edna Fischer, pianist
 6 to 6:30 p.m.—Organ recital, Wesley Tourta-
 lotte
 6:30 to 7:30 p.m.—Walter Krausgrill El Patio
 Orchestra
 7:30 to 8 p.m.—National Forum from Washing-
 ton, D. C., CBS
 8 to 9 p.m.—Orchestra and soloists, DLBS
 9 to 9:30 p.m.—Veedol Vodvil, DLBS
 9:30 to 10 p.m.—Bremer Tully program
 10 to 10:10 p.m.—"Frank Watanabe"
 10:10 to 11:10 p.m.—Val Valente and his Roof
 Garden Orchestra
 11:10 to 12:10 p.m.—Hotel Mark Hopkins orches-
 tra
 12:10 to 1:10 a.m.—Dorado Club Silver Fizz
 music

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

7:57 a.m.—Inspirational services
 8 a.m.—Shell Happy Time
 9 a.m.—Y. M. C. A. health exercises
 9:15 a.m.—Dorothea Wei and VeOna Socolofsky,
 with orchestra
 9:45 a.m.—Betty Crocker's Home Service talk,
 NBC
 10 a.m.—Magazine of the Air, NBC
 11 a.m.—Standard School Broadcast, NBC
 11:45 a.m.—Barbara Gould Auditone broadcast
 12 noon—Farm talk
 12:15 p.m.—"What to Prepare for Dinner"
 12:30 p.m.—Orchestra with soloists
 2 p.m.—Orchestra; Hayden Morris and Green-
 wood Mitchell
 3 p.m.—House of Myths, NBC
 4 p.m.—Mining stock quotations
 4:15 p.m.—Kiddies' program
 4:45 p.m.—Stock, bond and grain quotations
 5 p.m.—Fleishmann Sunshine Hour, NBC
 6 p.m.—Seiberling Singers, NBC
 7 p.m.—Radio Victor program, NBC
 7:30 p.m.—Standard Symphony Hour, NBC
 8:30 p.m.—Studio program
 9 p.m.—Crescent Old Time Band
 10 p.m.—Associated Oil Football Hour
 11 p.m.—Marmola So-A-Tone broadcast
 11:25 p.m.—News flashes
 11:30 p.m.—Musical Musketeers
 12 to 12:30 a.m.—Organ recital

THURSDAY Programs

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

Radio Entertainments, San Francisco, Calif.

7 to 8 a.m.—Health exercises
10 to 10:30 a.m.—Charlie Glenn, "Songs of Yesterday"

10:30 to 10:50 a.m.—Dr. T. G. Linebarger, health talk

10:50 to 11 a.m.—News, weather, police reports
12 to 12:30 p.m.—Recordings

12:30 to 1 p.m.—Gloom Casers, with Truman Bishop Handy

1 to 1:30 p.m.—Cal King's Country Store

6 to 6:30 p.m.—Dinner Hour program

6:30 to 6:45 p.m.—Radio question box

6:45 to 7 p.m.—Dinner Hour program

11 to 1 a.m.—Popular studio program

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

Oakland Educational Society, Oakland, Cal.

8 to 8:30 a.m.—"Top o' the Morning" program

8:30 to 9 a.m.—Health questions answered

11 to 12 noon—Select recordings

1:30 to 2 p.m.—Edna's Entertainment Hour

2 to 2:30 p.m.—George Otto's Hawaiians

2:30 to 3 p.m.—Bert Hall and Dorothy Wilson

3 to 4 p.m.—Studio matinee

4 to 4:30 p.m.—The "Ne'er Do Well"

4:30 to 5 p.m.—KFWM Melody Boy

5 to 6 p.m.—Dr. Forrester's Hour of Sunshine, Health and Happiness

7:30 to 8 p.m.—Doc Herrold

8 to 9 p.m.—The Watch Tower program

9 to 10 p.m.—"Around the Town"

10 to 11 p.m.—Minstrels

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

The Morning Oregonian, Portland, Oregon

7:15 to 7:45 a.m.—Y. M. C. A. health exercises

7:45 to 8 a.m.—Devotional services

8 to 9 a.m.—Shell Happy Time, NBC

9 to 9:15 a.m.—Oregonian Cooking School

9:15 to 9:45 a.m.—Town Crier

9:45 to 10 a.m.—"Betty Crocker"

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

11 to 11:45 a.m.—Standard School, NBC

11:45 to 12:15 p.m.—Studio records

12:15 to 12:30 p.m.—Barbara Gould

12:30 to 1:30 p.m.—Hollywood organ

1:30 to 1:45 p.m.—Market news

1:45 to 2 p.m.—Business talk

2 to 3 p.m.—Musical entertainment

3 to 4 p.m.—House of Myths, NBC

4 to 4:30 p.m.—Stewart-Warner

4:30 to 5 p.m.—Service Hour

5 to 6 p.m.—Fleischmann, NBC

6 to 6:30 p.m.—Seiberling Singers, NBC

6:30 to 6:55 p.m.—Studio program

6:55 to 7 p.m.—Optometry talk

7 to 7:30 p.m.—Radio Victor program, NBC

7:30 to 8:30 p.m.—Standard Symphony Hour, NBC

8:30 to 9 p.m.—The Cosmopolitans, NBC

9 to 9:30 p.m.—Memory Lane program, NBC

9:30 to 9:45 p.m.—"Tommy Luke's" Flower Girls

9:45 to 10 p.m.—Sport talk

10 to 11 p.m.—Associated Brass Band from KOMO

11 to 12 midnight—Organ recital

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

Radio Service Corp., Salt Lake City, Utah

5 p.m.—Fleischmann "Sunshine" program, NBC

6 p.m.—Male quartet and assisting artists

7 p.m.—Victor Radio program, NBC

8 p.m.—"Amos 'n' Andy," NBC

8:15 p.m.—Studio program

8:30 p.m.—The Cosmopolitans, NBC

9 p.m.—Musical program

9:30 p.m.—"Blue Blaze Miners"

10 p.m.—"Snappy Syncopations"

319 Meters **KOIN** **Channel 94**
940 Kcys. **1000 Watts**

KOIN, Inc., Portland, Oregon

8 to 9 a.m.—Household Twins

9 to 9:30 a.m.—Organ recital

9:30 to 9:50 a.m.—Home Economics

9:50 to 11:45 a.m.—Shoppers' Guide and town topics

11:45 to 12 noon—Vocal program

12 to 1 p.m.—Luncheon concert

1 to 1:30 p.m.—Organ recital

1:30 to 2 p.m.—Orchestra

2 to 2:15 p.m.—Inspirational speaker

2:15 to 3 p.m.—Orchestra and string ensemble

3 to 5 p.m.—News items and music

5 to 5:30 p.m.—String ensemble

5:30 to 6 p.m.—Orchestra

6 to 7 p.m.—Dinner concert

7 to 7:30 p.m.—The Benson Hotel orchestra

7:30 to 8:30 p.m.—Studio program

8:30 to 9 p.m.—"Peppy Pam and the Englishman"

9 to 10 p.m.—Popular orchestra

10 to 10:30 p.m.—Studio program

10:30 to 11 p.m.—Orchestra

11 to 12 midnight—Warner Stone's orchestra

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

American Radio Tel. Co., Seattle, Wash.

7 a.m.—Sunshine Jack

8:45 a.m.—Health exercises by Y. W. C. A.

9 a.m.—Uncle Ash and the market hour

10 a.m.—Inspirational services

10:30 a.m.—Miss Opportunity

11 a.m.—Sunshine Hour

12 noon—Noontime concert

12:30 p.m.—Young Men's Business Club

1:30 p.m.—Musical concert

2 p.m.—Organ music

3 p.m.—Bride Party Hour

4 p.m.—Hawaiian program

5 p.m.—Song and piano recital

6 p.m.—Northwestern Crier Hour

6:50 p.m.—Elvira Herman kiddies' program

7 p.m.—Concert music

8 p.m.—Organ music

8:30 p.m.—N. W. School of Music program

9:30 p.m.—All request dance program

10:30 to 12 midnight—Bats in the Belfry frolic;

Jack LaGrande, Master of Ceremonies Oscar

Holden's Jungle Band; Bert Strichcombe and

Fred Moret; Chris Caughlin; Gladys Oatman

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

Trinity Methodist Church, Los Angeles, Cal.

6 p.m.—Mrs. Tom Murray

7 p.m.—Dr. Fredus Nelson Peters

7:30 p.m.—Thomas Govan

8 p.m.—Bob Shuler's Civic Message

9 p.m.—Martha and De Vere Nicholson

10 p.m.—Adda Weidmyer and Lois Wilheite

10:30 p.m.—Hired Man

IF
IT ISN'T A
MAGNAVOX
IT ISN'T A
DYNAMIC

(With a bow to Kodak)



Only Magnavox can build and sell DYNAMIC Speakers; by authority of the United States Patent Office. √ Only Magnavox customers and dealers can employ the selling force inherent in that

word DYNAMIC. √ Only Magnavox owners can enjoy true-to-life dynamic REALISM, and a lifetime guarantee—made possible by the new Magnavox X-Core construction.

Models 401, 403 and 405
 12½" high, 12" wide,
 8¼" deep, 10½" cone

THE MAGNAVOX COMPANY

Factory and Pacific Sales:
 OAKLAND, CALIF.

Factory and Sales East of the Rockies:
 CHICAGO, ILL.

FRIDAY Programs

NBC

National Broadcasting Company

- 10 to 10:15 a.m.—Du Barry Radio Program
Doris Hale will present the weekly Du Barry radio program this morning. Her talk on beauty culture will be heard through KGO, KHQ, KOMO, KGW, KPO, KFI and KSL.
- 10:30 to 11:30 a.m.—"Woman's Magazine of the Air"
Three helpful talks are scheduled with Ann Holden and the M. J. B. Chef speaking.
Miss Holden announces her first talk as "Philadelphia Cream Cheese for Emergencies" and afterward she will offer some new and economical uses for milk during the Alpine Feature.
The M. J. B. chef will describe a tempting cranberry sherbet for the Thanksgiving dinner.
Harry Stanton, basso, and Gwynn Jones, tenor, are the soloists and Bennie Walker, editor, will contribute a comedy song. Joseph Hornik will offer again the Magazine Melodists.
Broadcast through KGO, KGW, KPO and KFI for the full hour, KHQ and KOMO from 10:30 to 11:10 a.m.
- 1 to 2 p.m.—Pacific Feature Hour
Charles Hart's baton will guide the full concert orchestra in the exposition of the opening Mozart composition, and through the diversified program. "Autumn," the third movement of Victor Herbert's "Woodland Fancies," follows "The Marriage of Figaro" and Felix Borowsky, president emeritus of the Chicago Musical College, is represented later by his best-known work, "Adoration."
Broadcast through KGO and KOMO.
- 3:30 to 4 p.m.—What's Happening in the World
Another talk by John D. Barry on "What's Happening in the World" will be delivered by him through KGO, KOMO and KGW.
- 4:45 to 5 p.m.—"The World in Music," KGO.
- 5 to 6 p.m.—Cities Service Concert
Rosario Bourdon and his Cities Service Concert Orchestra will supply the classical offerings with the Cavaliers, a singing male quartet, scheduled to bring back the popular favorites of yesterday.
Broadcast through KGO, KHQ, KOMO and KGW.
- 6 to 6:30 p.m.—Interwoven Pair
The Interwoven Pair will be on the air tonight, offering several groups of new and comic numbers for the nation-wide audience.
Ernie Hare and Billy Jones are the Interwoven Pair. They are heard together with an orchestra directed by William Perry.
Broadcast through KGO, KHQ, KOMO, KGW and KFI.
- 6:30 to 7 p.m.—Philco's Theatre Memories
The stage will be set for the third act of "Mlle. Modiste" tonight. Jessica Dragonette and Colin O'More will again step into their roles of lovers for this favorite Victor Herbert light opera. They will be supported by the Philco Light Opera Company.
Broadcast through KGO, KHQ, KOMO, KGW and KFI.
- 7 to 7:30 p.m.—Armstrong Quakers
Lois Bennett, soprano; Mary Hopple, contralto; a male quartet and an orchestra con-

ducted by Victor Arden will originate in New York City and will be heard through KGO, KHQ, KOMO, KGW and KFI.

- 7:30 to 8 p.m.—Armour Program
A musical melange of old and new melodies is scheduled for the Armour program to be broadcast tonight. An old-time number will be contrasted with a popular song hit of today when the "Missouri Waltz" is followed by "Singing in the Rain" from the "Hollywood Revue." The former will be presented by the Armour orchestra and a vocal chorus of 18 voices. Fred Waldner, tenor, will be heard with the orchestra in the latter selection.
Broadcast through KGO, KHQ, KOMO, KGW and KFI.
- 8 to 9 p.m.—RCA Hour
Turning back the pages in the records of time, another "Great Moments of History" drama will be enacted. Ted Maxwell will direct the National Players in this production, which comes in the middle of a musical program presented by the RCA Orchestra under Max Dolin's baton; Margaret O'Dea, contralto, and Harold Spaulding, tenor.
"The Wand of Youth," the first section of the hour, includes a selection from Lehar's "The Merry Widow" and "Deep in My Heart" from Romberg's "The Student Prince." Spaulding will offer the latter number as a solo.
For "The Drama of Life" period, which closes the program, a selection from Bizet's internationally popular and intensely dramatic opera, "Carmen," has been chosen as the final vocal and orchestral number.
Broadcast through KGO, KHQ, KOMO, KGW, KPO and KFI.
- 9 to 9:30 p.m.—Borden program
Directed by Joseph Hornik, the Borden Blue and White Band and the augmented quartet will entertain. Songs and instrumental selections popular now and many years ago will be interpreted during the broadcast through KGO, KHQ, KOMO, KGW, KPO, KFI, KSL and KOA.
- 9:30 to 10 p.m.—Union Service Station Four
Frank, Sandy, Sally and Jack will be assisted by Uncle Hiram, the modern Arkansas traveler. The quartet will contribute vocal and instrumental selections.
Broadcast through KGO, KHQ, KOMO, KGW, KPO and KFI.
- 10 to 10:30 p.m.—"In the Parlor."
Mrs. Sylvestre Updike's front room will be the scene of another social gathering. Vocal numbers sung to imitate the efforts of amateur musicians in the "gay nineties" will alternate with humorous dialogue written by H. C. Connette. Bobbe Deane, Ben McLaughlin, Charles Marshall, Harry Stanton, Gail Taylor, Irving Kennedy and Mary Groom are in the cast.
Broadcast through KGO, KHQ and KOA.
- 10:30 to 11 p.m.—The Nomads
Music offered by the Nomads is limited to classical numbers. Ballet music from "Rosamunde" by Schubert and "Meditation" by Glazounov are typical of the orchestral offerings. There will also be a soprano solo by Lucile Kirtley and a pianistic interpretation of Schubert's "Impromptu" with Charles Hart at the keyboard.
Broadcast through KGO, KHQ and KOA.
- 11 to 12 midnight—Musical Musketeers
Walter Beban directs the 14-piece band which will interpret a group of especially arranged song and dance favorites.
Broadcast through KHQ, KOMO and KPO.
- 11 to 12 midnight—Laughner-Harris Hotel St. Francis Dance Orchestra, KGO.

FRIDAY Programs

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

Pacific Broadcasting Corp., San Francisco
 9 to 9:30 a.m.—Request recorded program
 9:30 to 10 a.m.—Program for Fox and Warfield theatres
 10 to 10:30 a.m.—Recorded program
 10:30 to 11 a.m.—George Taylor and Clem Kennedy
 11 to 12 noon—California Sunshine Hour
 12 to 1:30 p.m.—Popular recordings
 1:30 to 2:15 p.m.—Classical recordings
 2:15 to 4:30 p.m.—Football, Nevada vs. St. Mary's
 4:30 to 5 p.m.—Santa Claus from the Emporium
 5 to 5:30 p.m.—Drama of Toyland
 5:30 to 6 p.m.—Saphire Musical Gems
 6:30 to 7 p.m.—Program for Fox and Warfield
 7 to 7:15 p.m.—George Taylor
 7:15 to 7:30 p.m.—Cecil and Sally
 7:30 to 8 p.m.—1640 Boys; Tommy Monroe and Bob Allen
 8 to 8:30 p.m.—Hazel McDaniels and Jimmy Kessel
 8:30 to 9 p.m.—Song recital: Dorothy Lewis, contralto; Claire Upshur, soprano, and Constance Piper, pianist
 9 to 9:50 p.m.—Pacific Artists' Trio, Liborius Hauptmann, director, with Nellie Wren, soprano
 9:50 to 10 p.m.—Metro and Cosmo, the Politan Brothers
 10 to 11 p.m.—Silver Slipper Cafe orchestra
 11 to 12 midnight—Byington Electric Company program

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

6:57 a.m.—Inspirational services
 7 a.m.—Making Merry with Sperry
 8 a.m.—Shell Happy Time
 9 a.m.—Y. M. C. A. health exercises
 9:15 a.m.—Organ recital
 10 a.m.—Dubarry radio talk, NBC
 10:30 a.m.—Woman's Magazine of the Air, NBC
 11:10 a.m.—Orchestra; G. Donald Gray, baritone
 11:45 a.m.—Mary Blake recipe talk
 12 noon—Dairymen and poultrymen
 12:15 p.m.—"What to Prepare for Dinner"
 12:30 p.m.—Orchestra; VeOna Socolofsky and Perdin Korsmo
 1 p.m.—Pacific Feature Hour, NBC
 2 p.m.—Orchestra; Greenwood Mitchell and Agnes Skartvedt
 3:30 p.m.—What's Happening in the World, NBC
 4 p.m.—Mining stock quotations
 4:15 p.m.—Agnes Skartvedt and Rhena Marshall
 4:30 p.m.—Stock, bond and grain quotations
 4:45 p.m.—Back of the News, NBC
 5 p.m.—Cities Service Co., NBC
 6 p.m.—Interwoven Pair, NBC
 6:30 p.m.—Philco's Theatre Memories, NBC
 7 p.m.—Armstrong Quakers, NBC
 7:30 p.m.—The Armour Hour, NBC
 8 p.m.—RCA Univ. of the Air, NBC
 9 p.m.—Borden Milk program, NBC
 9:30 p.m.—Union Service Station Four, NBC
 10 p.m.—So-A-Tone broadcast
 10:30 p.m.—Cheasty's Blues Follies
 11:30 p.m.—News flashes
 11:45 p.m.—Musical Musketeers, NBC
 12 to 12:30 a.m.—Organ recital

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

Don Lee, Inc., San Francisco, Calif.

7 to 7:30 a.m.—"Simp'y Pitts"; N. Y. Exchange
 7:30 to 8 a.m.—Bill Wright, "The Pathfinder"
 8 to 9 a.m.—Alarm Clock, DLBS
 9 to 9:30 a.m.—Columbia Noonday Club, CBS
 9:30 to 9:45 a.m.—Recorded program
 9:45 to 10 a.m.—Yoeng's Orchestra, DLBS
 10 to 11 a.m.—Wyn's Daily Chats
 11 to 11:30 a.m.—Mary Haines, domestic talk
 11:30 to 11:45 a.m.—Raladam broadcast
 11:45 to 12 noon—Auditions
 12 to 1 p.m.—Sherman Clay noonday concert
 1 to 1:30 p.m.—Paul Carson, organist
 1:30 to 2 p.m.—Charlie Wellman, DLBS
 2 to 3 p.m.—Happy Go Lucky Hour
 3 to 3:30 p.m.—Musical record program
 3:30 to 3:35 p.m.—Something About Everything
 3:35 to 4 p.m.—News bulletins and lost and found
 4 to 4:50 p.m.—Matinee Melody Masters, DLBS
 4:50 to 5 p.m.—Recordings and town topics
 5 to 5:30 p.m.—Story Man and his Air Castle, DLBS
 5:30 to 6 p.m.—Hank Howe and his music, DLBS
 6 to 6:15 p.m.—Organ recital
 6:15 to 6:30 p.m.—Nunn Busch Shoe Company program
 6:30 to 7 p.m.—Charles W. Hamp for S. & W.
 7 to 7:30 p.m.—Stanley's 25 Club
 7:30 to 8 p.m.—Anna Kristina and Johnson Washer program
 8 to 8:30 p.m.—Brown Shoe Company, CBS
 8:30 to 9 p.m.—"Brunswick Brevities"
 9 to 10 p.m.—True Story Hour, CBS
 10 to 11 p.m.—Hotel Mark Hopkins orchestra
 11 to 12 midnight—Val Valente's Roof Garden Orchestra
 12 to 1 a.m.—Dorado Club Silver Fizz dance music

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

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

6:45 to 7 a.m.—"Early Birds" exercises
 7:15 to 7:30 a.m.—"Pep and Vigor" exercises
 7:45 to 8 a.m.—"Home Folks" exercises
 8 to 8:15 a.m.—Record program
 8:15 to 8:30 a.m.—Talk and morning prayer
 8:30 to 8:55 a.m.—"A Menu for Sunday Dinner"
 9:15 to 9:30 a.m.—Glidden Paint program
 9:30 to 10 a.m.—Radio shopping news
 10 to 10:30 a.m.—Town Crier's morning message
 10:30 to 10:45 a.m.—Madame Marie beauty talk
 11 to 11:15 a.m.—"So-A-Tone" broadcast
 12:30 to 12:45 p.m.—Bell Laboratories
 1:30 to 2 p.m.—The Bookworm
 2 to 2:30 p.m.—Records and announcements
 3:30 to 4 p.m.—Federation of Women's Clubs' program
 4 p.m.—Announcements and stock reports
 4:30 to 5 p.m.—C. P. R.'s musical program
 5 to 5:15 p.m.—Travelogue
 5:15 to 5:45 p.m.—"Own Your Own Home"
 5:45 to 6 p.m.—Town Crier's amusement tips
 6 to 7 p.m.—Organ program
 7 to 7:30 p.m.—Courtesy program
 7:30 to 8 p.m.—Program typical of the state of North Carolina
 8 to 9 p.m.—Royal Order of Optimistic Do-Nuts
 9:45 p.m.—Broadcasting the main event from the Hollywood Legion Stadium
 10 to 12 midnight—Hotel Ambassador Cocomanut Grove Orchestra
 12 to 1 a.m.—Dorado Club Silver Fizz dance hour

FRIDAY Programs

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

7 to 8 a.m.—Health exercises
 9 to 9:30 a.m.—Cal King's Country Store
 9:30 to 10 a.m.—Recordings
 10 to 10:30 a.m.—Charlie Glenn, "Songs of Yesterday"
 10:30 to 10:50 a.m.—Dr. T. G. Linebarger, health talk
 10:50 to 11 a.m.—News, weather, police reports
 11 to 12 noon—Crier
 12 to 1 p.m.—The Hooligans
 1 to 1:30 p.m.—Cal King's Country Store
 1:30 to 2 p.m.—Mabel H. Payne, soprano; Leonard H. Morgan, pianist and accompanist
 2 to 2:30 p.m.—Audition period
 6 to 7 p.m.—Dinner Hour program
 8:30 to 8:45 p.m.—Gertrude Tracy, songs; Truman Bishop Handy, pianist and accompanist
 8:45 to 9 p.m.—The Three Kellys
 9 to 9:30 p.m.—Shoe Mart Prize program
 9:30 to 12 midnight—Novelty program
 12 to 1 a.m.—Popular studio program

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

1:30 to 2:30 p.m.—Studio program
 2:30 to 3 p.m.—Bert Hall and Don Dale
 3 to 4 p.m.—Studio matinee
 4 to 4:30 p.m.—The "Ne'er Do Well"
 4:30 to 5 p.m.—KFWM Melody Boy
 5 to 6 p.m.—Dr. Forrester's Hour of Sunshine
 7:30 to 8 p.m.—Doc Herrold
 8 to 8:30 p.m.—William Nat Friend, "Romance of Oakland"

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

Louis Wasmer, Inc., Spokane, Washington
 6:45 to 7 a.m.—Inspirational Service
 7 to 8 a.m.—Making Merry with Sperry
 8 to 9 a.m.—Shell Happy Time
 9 to 9:30 a.m.—Musical Bazaar
 9:30 to 10 a.m.—The Chocolate Girl
 10 to 10:15 a.m.—Du Barry program, NBC
 10:15 to 10:30 a.m.—Sunshine program
 10:30 to 11:10 a.m.—Magazine of the Air, NBC
 11:10 to 12 noon—Farmers' Service Hour
 12 to 12:15 p.m.—Nat'l Sav. luncheon program
 12:15 to 12:30 p.m.—Musical program
 12:30 to 1 p.m.—Gold Seal program
 1 to 1:30 p.m.—Crosley Musical Review
 1:30 to 1:45 p.m.—Miss Modern shops a la mode
 1:45 to 2 p.m.—Fur Facts
 2 to 3 p.m.—Gems from Sartori
 3 to 3:30 p.m.—Theatrical Review
 3:30 to 4 p.m.—Paint o' Mine period
 4 to 5 p.m.—Concert orchestra
 5 to 6 p.m.—Cities Service Hour, NBC
 6 to 6:30 p.m.—Interwoven Pair, NBC
 6:30 to 7 p.m.—Philco Theater Memories, NBC
 7 to 7:30 p.m.—Armstrong Quakers, NBC
 7:30 to 8 p.m.—Armour program, NBC
 8 to 9 p.m.—RCA Hour, NBC
 9 to 9:30 p.m.—Borden Milk, NBC
 9:30 to 10 p.m.—Union Service Station Four, NBC
 10 to 10:30 p.m.—"In the Parlor," NBC
 10:30 to 11 p.m.—The Nomads, NBC
 11 to 12 midnight—Musical Musketeers, NBC

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

Hale Bros. & The Chronicle, San Francisco
 7 to 8 a.m.—Health exercises by Hugh Barrett Dobbs and William H. Hancock
 8 to 9 a.m.—The Shell Happy Time by Hugh Barrett Dobbs, assisted by William H. Hancock
 9:30 to 10 a.m.—Dobbsie's Daily Chat
 10 to 10:15 a.m.—Du Barry program, NBC
 10:30 to 11:30 a.m.—Woman's Magazine of the Air
 11:45 to 12:05 p.m.—Time; Scripture; Weather; announcements
 12:05 to 12:45 p.m.—Saul Sieff and Wilbur Stump, piano duo
 12:45 to 1:30 p.m.—Commonwealth Club luncheon
 1:30 to 2 p.m.—Jerry Jermaine
 2 to 3 p.m.—Aeolian Trio; stock quotations
 4 to 4:45 p.m.—Theodore Strong, organ recital
 4:45 to 5 p.m.—Stock market quotations
 5 to 5:50 p.m.—Children's Hour
 5:50 to 6 p.m.—News digest, "Scotty" Mortland
 6 to 7 p.m.—KPO Salon Orchestra
 7 to 8 p.m.—North American popular concert
 8 to 9 p.m.—RCA Hour, NBC
 9 to 9:30 p.m.—"Borden Milk program," NBC
 9:30 to 10 p.m.—Union Service Station Four
 10 to 11 p.m.—Jesse Stafford's Palace Hotel dance orchestra
 11 to 12 midnight—Musical Musketeers, NBC

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

Radio Service Corp., Salt Lake City, Utah
 5 p.m.—"Cities Service," NBC
 6 p.m.—Interwoven Pair, NBC
 6:30 p.m.—Philco Hour, NBC
 7 p.m.—Armstrong Quakers, NBC
 8 p.m.—"Amos 'n' Andy," NBC
 8:15 p.m.—Brunswick recording artists, NBC
 8:45 p.m.—Informal program
 9 p.m.—Borden Western Company, NBC
 9:30 p.m.—Studio program
 9:45 p.m.—Hawaiian Duo
 10 p.m.—Radio-Keith-Orpheum frolic

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

The Morning Oregonian, Portland, Oregon
 7 to 8 a.m.—"Making Merry with Sperry," KPO
 8 to 9 a.m.—Shell Happy Time, NBC
 9:10 to 9:30 a.m.—Oregonian Cooking School
 9:30 to 10 a.m.—The Town Crier
 10 to 10:15 a.m.—Dubarry Talk
 10:15 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—Ghirardelli
 12 to 12:45 p.m.—Organ recital
 12:45 to 1:30 p.m.—City Club of Portland
 1:30 to 1:45 p.m.—U. S. market report
 1:45 to 3:30 p.m.—Studio records
 3:30 to 4 p.m.—What's Happening in the World, NBC
 4 to 4:30 p.m.—Stewart-Warner
 4:30 to 5 p.m.—Service Hour
 5 to 6 p.m.—Cities Service program, NBC
 6 to 6:30 p.m.—Interwoven Pair program, NBC
 6:30 to 7 p.m.—Philco's Theatre Memories, NBC
 7 to 7:30 p.m.—Armstrong Quakers
 7:30 to 8 p.m.—Armour program, NBC
 8 to 9 p.m.—"RCA Hour," NBC
 9 to 9:30 p.m.—Borden's Dairy
 9:30 to 10 p.m.—Union Oil program, NBC
 10 to 10:30 p.m.—Charles F. Berg
 10:30 to 12 midnight—Hoot Owls

FRIDAY Programs

535.4 Meters **KTAB** **Channel 56**
560 Kcys. **1000 Watts**
Pickwick Broadcasting Co., Oakland, Calif.

- 7 to 8 a.m.—Eye Openers
- 8 to 8:30 a.m.—Recordings
- 8:30 to 9 a.m.—Dr. Forster
- 9 to 9:30 a.m.—Morning Prayer Hour
- 9:30 to 10:30 a.m.—Recordings
- 10:30 to 11 a.m.—Dr. B. L. Corley
- 11 to 12 noon—Barney Lewis' Tabloid of the Air
- 12 to 1 p.m.—Sterling Cosmopolitans
- 1 to 1:30 p.m.—Chapel of the Chimes
- 1:30 to 2 p.m.—Fanchon's Style Chat
- 2 to 2:30 p.m.—Restful Hour conducted by BB
- 2:30 to 3 p.m.—Organ recital
- 3 to 4 p.m.—Melody Masters
- 4 to 5 p.m.—Home Towners
- 5 to 6 p.m.—Brother Bob's Frolic Hour
- 6 to 6:30 p.m.—Sterling Cosmopolitans
- 6:30 to 7 p.m.—Twilight Hour
- 7 to 7:30 p.m.—Recordings
- 7:30 to 8 p.m.—Al Sather
- 8 to 8:30 p.m.—Organ recital
- 8:30 to 9 p.m.—Mystery Play
- 9 to 10 p.m.—Melody Masters and the Dreamers' Male Quartet, acc. by Jane S. Sands
- 10 to 11 p.m.—Pickwickians' Dance Orch. with Sally Harrison and Herb Scharlin
- 11 to 12 midnight—Studio program
- 12 to 1 a.m.—Slumber Chasers

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

- 7 a.m.—Sunshine Jack
- 8:45 a.m.—Health exercises by Y. W. C. A.
- 9 a.m.—Uncle Ash and the market hour
- 10 a.m.—Inspirational services and organ music
- 10:30 a.m.—Miss Opportunity
- 11 a.m.—Sunshine Hour
- 12 noon—Noontime concert
- 1 p.m.—Popular music
- 2 p.m.—Organ music
- 3 p.m.—Bridge Party Hour
- 4 p.m.—Song and piano recital
- 5 p.m.—Popular music
- 6 p.m.—Northwestern Crier Hour
- 6:50 p.m.—Elvira Herman
- 7 p.m.—Concert music
- 7:30 p.m.—Bray's Old Time Orchestra
- 8 p.m.—Roy Oxman reviewing the shows
- 8:15 p.m.—Popular music
- 9 p.m.—Herbert Ward, piano
- 9:30 p.m.—Concert recordings
- 10 to 11 p.m.—All request dance program

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

- 5 p.m.—Dinner Hour Varieties
- 5:30 p.m.—Twilight Echoes
- 6 p.m.—Studio program
- 6:30 p.m.—The '79ers old-time dance orchestra
- 7 p.m.—Johanna Lee instrumental trio
- 7:30 p.m.—Curtis Institute of Music program, CBS
- 8 p.m.—Special program, CBS
- 8:30 p.m.—Three Shades of Blue
- 9 p.m.—True Story Hour, CBS

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

- 7 a.m.—"Making Merry with Sperry"
- 7:30 a.m.—Opening market quotations
- 7:45 a.m.—"Making Merry with Sperry"
- 8 a.m.—Shell Happy Time from KPO
- 9 a.m.—Bess Kilmer's Helpful Hints
- 10 a.m.—Du Barry Radio talks, NBC
- 10:30 a.m.—Woman's Magazine of the Air, NBC
- 11:30 a.m.—"Mental Exercises," Francis Hancock
- 12 noon—Dept. of Agriculture talks
- 12:15 p.m.—Federal and state market reports
- 12:25 p.m.—Franklin L. Graves, talk
- 2:15 p.m.—Winnie Fields Moore, Travelogue
- 2:30 p.m.—"Phenomena"
- 3:30 p.m.—Grace M. Miller, "English Lesson"
- 4 p.m.—E. H. Rust, nurseryman
- 4:30 p.m.—Big Brother
- 5:30 p.m.—Edwin August, dramatic critic
- 5:45 p.m.—Stock market reports
- 6 p.m.—Interwoven Pair, NBC
- 6:30 p.m.—"Philco Theatre Memories," NBC
- 7 p.m.—Armstrong Quakers, NBC
- 7:30 p.m.—The Armour Hour, NBC
- 8 p.m.—RCA Hour, NBC
- 9 p.m.—Borden Milk program, NBC
- 9:30 p.m.—"Union Service Station Four," NBC
- 11 p.m.—KFI news bureau

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

- 7 to 7:30 a.m.—Physical culture period
- 7:30 to 7:40 a.m.—Stock Exchange reports
- 7:40 to 8 a.m.—Recordings
- 8 to 9 a.m.—Alarm Clock (to KFRC)
- 9 to 9:15 a.m.—Marjorie Fisher, pianist
- 9:15 to 9:45 a.m.—Recordings
- 9:45 to 10 a.m.—Dr. Paul J. Dorosh
- 10 to 10:30 a.m.—A. White, "At Our House"
- 10:30 to 11 a.m.—The Times Forum
- 11 to 12 noon—Patterns in Prints, CBS
- 12 to 12:30 p.m.—Biltmore Hotel concert orchestra
- 12:30 to 12:45 p.m.—World-wide news
- 12:45 to 1:30 p.m.—Organ recital, Leigh Harline
- 1:30 to 2 p.m.—Charlie Wellman
- 2 to 3 p.m.—Fada Radio program
- 3 to 3:15 p.m.—Shakespearean readings
- 3:15 to 3:30 p.m.—Dr. Herzog's school program
- 3:30 to 4 p.m.—Council of International Relations
- 4 to 4:50 p.m.—E. Allman's "Surprise Package"
- 4:50 to 5 p.m.—World-wide news
- 5 to 5:30 p.m.—Story Man's "Air Castle"
- 5:30 to 6 p.m.—Dance Band
- 6 to 7 p.m.—Organ recital, with singers
- 7 to 7:30 p.m.—Pelton Motor Company program
- 7:30 to 8 p.m.—Desmond's program
- 8 to 8:30 p.m.—Brown Shoe Co., CBS
- 8:30 to 9 p.m.—Don Lee Symphony
- 9 to 10 p.m.—True Story Hour, CBS
- 10 to 10:05 p.m.—World-wide news
- 10:05 to 12 midnight—Biltmore Hotel Dance Or.
- 12 to 1 a.m.—Organ recital

291.1 Meters **CNRV** **Channel 103**
1030 Kcys. **500 Watts**
Canadian National Rys., Vancouver, B. C.

- 10:30 a.m.—Morning Hour of Music
- 8:30 p.m.—Apollo Male Quartette
- 9 p.m.—The CNRV Players
- 10 p.m.—The CNRV Instrumental Quintette and Janice Bridgman, mezzo-contralto
- 11 p.m.—Winifred Renworth, a planologue

THE FAMOUS

Super Phonovox

... now even better
than before



List Price
\$15.25

ALWAYS noted for its rich, natural tone; the Super Phonovox has been improved by several *new* Pacent developments.

THE PHONOTROL—a combination switch and volume control and adapter—has greatly simplified the operation of this advanced pick-up. A turn of the knob connects the phonograph and further turning increases its volume. No bothersome changing of connections—the Phonotrol does it all. With this is the *Phonotrol Adapter*—designed to meet the special requirements of pick-up operation through screen grid radio sets. Both the Phonotrol and Adapter are supplied with the Super Phonovox at no extra cost.

Two new Low Impedance Models—106-VA and 106-VB, especially designed for new Victor radio sets and broadcasting stations.

PACENT ELECTRIC CO., INC., 91 Seventh Ave., N. Y.

Pioneers in Radio and Electric Reproduction for over 20 years

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

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

SATURDAY Programs

NBC

National Broadcasting Company

10 to 10:45 a.m.—National Farm and Home Hour
The weekly coast-to-coast National Farm Home Hour program will be released through KGO, KHQ, KOMO, KGW and KFI.

5 to 5:30 p.m.—Lyric Famous Challenges
Incidents in the life of another world-renowned man will be woven into a dramalogue to be presented during the Lyric Famous Challenges broadcast through KGO, KHQ, KOMO, KGW and KFI.

5:30 to 6 p.m.—Sunset Syncopaters, KGO.

6 to 7 p.m.—General Electric Hour
"The Dance of the Furies" and "The Dance of the Blessed Spirits" from Gluck's "Orfeo," one of the earliest known grand operas, will be played by the General Electric Orchestra, with Walter Damrosch directing. Other favored composers whose works will be heard during this program include Thomas, Bizet, Beethoven and Strauss.

A talk on "Adventure in Science" will be given by Floyd Gibbons during the program.
Broadcast through KGO, KHQ, KOMO, KGW and KFI.

7 to 8 p.m.—Lucky Strike Hour
"Tunes that made Broadway Broadway" will be played by B. A. Rolfe and his Lucky Strike Dance Orchestra when another Lucky Strike Hour is broadcast tonight through KGO, KHQ, KOMO, KGW and KFI.

8 to 8:30 p.m.—Temple of the Air
Works of a popular and a semi-classical nature have been billed for the "Temple of the Air" program. Variety is the keynote of these programs, on which the services of a piano duo, a male quartet and an orchestra are utilized.

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

8:30 to 9 p.m.—Pacific Serenaders
Fluttering scarfs and evasive dancing girls are depicted in Cecile Chaminade's "Callirhoe," the "Scarf Dance" from which will be brought to radio listeners when the Pacific Serenaders play tonight. At the beginning of this program, and again at the end, the Pacific Serenaders will be heard playing "Spanish Serenade" by Victor Herbert.

John Teel, baritone, is the guest soloist during this program.
Broadcast through KGO.

9 to 9:30 p.m.—Lauderland Lyrics
One of the most beloved of Victor Herbert's numerous tuneful songs, "A Kiss in the Dark," will be Barbara Blanchard's solo contribution to the "Lauderland Lyrics" program. Miss Blanchard, a soprano, and Irving Kennedy, tenor soloist, will join in the duet, "Anything Your Heart Desires" from the musical comedy production, "Just a Minute," and in the romantic song, "Because You Said I Love You." Special arrangements of popular numbers, including "Sleepy Valley" and "Lucky in Love," are listed for the orchestra directed by Charles Hart.

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

9:30 to 10 p.m.—Western Artists' Series Concert, KGO.

10 to 11 p.m.—"Tales Never Told"
Ranging from the serious to the farcical, four "Tales Never Told" will be heard by NBC

System auditors as this weekly program of drama and music is broadcast tonight.

"The Lost Chord," Sir Arthur Sullivan's great song classic, is the first number to suggest a dramatic vignette. Two popular songs, "When the Sun Goes Down" and "Believe It or Not," are the theme melodies of lighter sketches. The program concludes with a farce based on the selection, "Roll the Smoke Away."

Harry De Lasaux writes the "Tales Never Told," which are enacted by National Players with a musical background supplied by a mixed vocal quartet and Elmer Crowhurst, organist.

Broadcast through KGO for the full hour and KOMO from 10:30 to 11 p.m.

11 to 12 midnight—Musical Musketeers
Walter Beban and the Musical Musketeers will offer an hour of dance music. Special arrangements of the latest syncopated melodies will be used by this ensemble of dance musicians.

Broadcast through KGO, KHQ, KOMO and KPO.

12 to 1 a.m.—Wilt Gunzendorfer's Hotel Whitcomb Dance Band, KGO.

Playing and singing for those dancing in Drury Lane, Hotel Whitcomb, San Francisco, and for radio dance parties throughout the West, Wilt Gunzendorfer's band will be heard through the NBC System commencing at midnight tonight. This one-hour dance program will be broadcast by NBC System station KGO.

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

The Morning Oregonian, Portland, Oregon

7:15 to 7:45 a.m.—Y. M. C. A. health exercises

7:45 to 8 a.m.—Devotional services

8 to 9 a.m.—Shell Happy Time, NBC

9 to 9:10 a.m.—Oregonian news flashes

9:10 to 9:30 a.m.—Oregonian Cooking School

9:30 to 10 a.m.—Town Crier

10 to 10:45 a.m.—National Farm and Home Hour

10:45 to 11 a.m.—Plummer program

11 to 11:30 a.m.—Town Crier

11:30 to 12:30 p.m.—Fox Hollywood organ

12:30 to 1 p.m.—Records

1 to 1:15 p.m.—U. S. market report

1:15 to 1:30 p.m.—Records

1:30 to 2 p.m.—Stewart-Warner

2 to 5 p.m.—Football

5 to 5:30 p.m.—Lyric Famous Challenges, NBC

5:30 to 6 p.m.—Service Hour

6 to 7 p.m.—General Electric, NBC

7 to 8 p.m.—Lucky Strike Hour, NBC

8 to 8:30 p.m.—Temple program, NBC

8:30 to 9 p.m.—Studio program

9 to 9:30 p.m.—Lauderland Lyrics, NBC

9:30 to 10 p.m.—"Bremer Tully"

10 to 10:30 p.m.—Blumauer Frank, "Xmas Shoppers"

10:30 to 12 midnight—Hi Jinks

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

J. Brunton & Sons, San Francisco, Calif.

6:45 to 7:30 a.m.—Early Bird Hour

7:30 to 8 a.m.—B-4 program

8 to 10 a.m.—Variety records

10 to 11 a.m.—Dance records

11 to 12 noon—Popular recordings

12 to 12:05 p.m.—Stock report

12:05 to 2 p.m.—Recorded program

2 to 2:30 p.m.—Dell Raymond and Harry Miles

2:30 to 3 p.m.—Popular records

3 to 4 p.m.—Orchestra recordings

4 to 4:45 p.m.—Variety records

SATURDAY Programs

535.4 Meters **KTAB** Channel 58
560 Kcys. 1000 Watts
 Pickwick Broadcasting Co., Oakland, Calif.

7 to 8 a.m.—Eye Openers
 8 to 9 a.m.—Recordings
 9 to 9:30 a.m.—Morning Prayer Hour
 9:30 to 10:30 a.m.—Recordings
 10:30 to 11 a.m.—Dr. B. L. Corley
 11 to 12 noon—Barney Lewis' Tabloid of the Air
 12 to 1 p.m.—Sterling Cosmopolitans
 1 to 1:30 p.m.—Chapel of the Chimes
 3 to 4 p.m.—Alice Blue, organist
 4 to 5 p.m.—Home Towners
 5 to 6 p.m.—Brother Bob's Frolic Hour
 6 to 6:30 p.m.—Sterling Cosmopolitans
 6:30 to 7 p.m.—Twilight Hour
 7 to 7:30 p.m.—Recordings
 7:30 to 8 p.m.—Piano recital by W. J. Rudolph
 8 to 8:30 p.m.—Don's Half Hour of Happiness
 8:30 to 9 p.m.—Purser's Pleasure Hour
 9 to 12 midnight—"What Have You" program with Pickwickians Dance Orchestra, H. Scharlin, Lovey Wolfe, Carl Tobin, Joan Ray
 12 to 1 a.m.—Slumber Chaser

315.6 Meters **KFWB** Channel 95
950 Kcys. 1000 Watts
 Warner Brothers, Hollywood, California

9 to 11:45 a.m.—Radio varieties
 11:45 to 12:30 p.m.—KFWB Quintet and soloists
 12:30 to 1:15 p.m.—Radio varieties
 1:15 to 1:45 p.m.—Jimmie Kerr's orchestra
 1:45 to 2:15 p.m.—Radio varieties
 2:15 p.m.—Football game
 4:15 to 6 p.m.—Radio varieties
 6 to 6:30 p.m.—KFWB dance orchestra
 6:30 to 7 p.m.—Harry Jackson's entertainers
 7 to 7:30 p.m.—507 Boys
 7:30 to 8 p.m.—Jean Cowan, popular songs
 8 to 9 p.m.—Mona Motor Ollers and Vernon Rickard, tenor; Ina Mitchell Butler, soprano
 9 to 9:30 p.m.—Ray Martinez' concert orchestra
 9:30 to 10 p.m.—Jimmie Kerr's orchestra
 10 to 10:30 p.m.—Roosevelt Hotel orchestra
 10:30 to 11 p.m.—Jimmie Kerr's orchestra

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

7 to 7:30 a.m.—Physical culture period
 7:30 to 7:40 a.m.—Stock Exchange reports
 7:40 to 8:30 a.m.—Recordings
 8:30 to 9 a.m.—Saturday Syncoptors, CBS
 9 to 9:30 a.m.—Columbia Noon Day Club, CBS
 9:30 to 9:45 a.m.—Recordings
 9:45 to 10 a.m.—Louis F. Klein, harmonica program
 10 to 10:30 a.m.—Marion Gay, "Radio Smile Girl"
 10:30 to 11 a.m.—The Times Forum
 11 to 2 p.m.—Yale-Harvard football game, CBS
 2 to 5 p.m.—Calif. Stanford football game
 5 to 5:30 p.m.—Columbia Broadcasting System
 5:30 to 6 p.m.—Dixie Echoes, CBS
 6 to 6:30 p.m.—Graybar Electric program, CBS
 6:30 to 7 p.m.—Organ recital with singers
 7 to 8 p.m.—Paramount program, CBS
 8 to 9 p.m.—Sierra Symphonists
 9 to 10 p.m.—Merrymakers
 10 to 10:05 p.m.—World-wide news
 10:05 to 12 midnight—Earl Burtnett's Dance Or.
 12 to 1 a.m.—Organ recital

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

Oakland Educational Society, Oakland, Calif.
 8 to 8:30 a.m.—Dr. Dysart's children's program
 8:30 to 9 a.m.—Select recordings
 11 to 12 noon—"Around the Town"
 1:30 to 2 p.m.—Edna's Entertainment Hour
 2 to 2:30 p.m.—George Otto's Hawaiians
 2:30 to 3 p.m.—Bert Hall and Dorothy Wilson
 3 to 4 p.m.—Studio matinee
 4 to 4:15 p.m.—The "Ne'er Do Well"
 4:15 to 4:30 p.m.—Tom King detective stories
 4:30 to 5 p.m.—Studio program
 5 to 6 p.m.—Sunshine, Health and Happiness
 7:30 to 8 p.m.—Doc Herrold
 8 to 9 p.m.—The Watch Tower program
 9 to 11 p.m.—The Music Box Review

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

Radio Entertainments, San Francisco, Calif.
 7 to 8 a.m.—Health exercises
 9 to 9:30 a.m.—Cal King's Country Store
 9:30 to 10 a.m.—Recordings and announcements
 10 to 10:30 a.m.—Charlie Glenn, "Songs of Yesterday"
 10:30 to 10:50 a.m.—Dr. T. G. Linebarger, health talk
 10:50 to 11 a.m.—News, weather, police reports
 12 to 1 p.m.—Luncheon program
 1 to 1:30 p.m.—Studio program
 6 to 7 p.m.—Dinner Hour program
 11 to 3 a.m.—"Test" program

225.4 Meters **KGB** Channel 133
1330 Kcys. 250 Watts

Pickwick Broadcasting Co., San Diego, Cal.
 3 to 3:30 p.m.—KGB Movie Club
 7 to 7:05 p.m.—Football returns
 7:05 to 8 p.m.—Fred Wesley, Minor Twins, and Otto Hoeg
 8 to 9 p.m.—Kennedy's Cafe and Nite Club, Harvey Ball's Hi-Hatters
 9 to 10 p.m.—El Cortez Hotel, Cliff May's Orchestra
 10 to 12 midnight—KGB Frolic with Caldwell's Strollers

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

L. A. Evening Express, Los Angeles, Calif.
 6:45 to 7 a.m.—"Early Birds" exercises
 7:15 to 7:30 a.m.—"Pep and Vigor" exercises
 7:45 to 8 a.m.—"Home Folks" exercises
 8 to 8:15 a.m.—Record program
 8:15 to 8:30 a.m.—Talk and morning prayer
 9:30 to 10 a.m.—Radio shopping news
 10 to 10:30 a.m.—Town Crier's morning message
 10:30 to 11 a.m.—Records and announcements
 12 to 12:30 p.m.—Courtesy program
 12:30 to 1 p.m.—C. P. R.'s musical program
 1 to 1:30 p.m.—First Radio Church of the Air
 1:30 to 2 p.m.—The Bookworm
 2 to 5 p.m.—Football game, Southern California vs. Idaho
 5 to 5:15 p.m.—Travelogue
 5:15 to 5:45 p.m.—"Own Your Own Home"
 5:45 to 6 p.m.—Town Crier's amusement tips
 6 to 7 p.m.—Organ program
 7 to 8 p.m.—Paramount Publix Hour
 8 p.m.—Announcements of church services
 8:05 to 10 p.m.—KNX feature artists
 10 to 12 midnight—Hotel Ambassador Cocoman Grove Orchestra
 12 to 1 a.m.—Dorado Club Silver Fizz dance hour

SATURDAY Programs

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

10 to 10:45 a.m.—National Farm and Home Hour
 10:45 to 11:30 a.m.—Morning Melodies
 11:30 to 12 noon—Philharmonic organ
 12 to 1 p.m.—Luncheon concert
 5 to 5:30 p.m.—The Lyric Challenges
 5:30 to 6 p.m.—Sunset Syncopaters
 6 to 7 p.m.—General Electric Hour
 7 to 8 p.m.—Lucky Strike Hour
 8 to 8:30 p.m.—Temple of the Air
 8:30 to 9 p.m.—Pacific Serenaders
 9 to 9:30 p.m.—Launderland Lyrics
 9:30 to 10 p.m.—Western Artist Series concert
 10 to 11 p.m.—Tales Never Told
 11 to 12 midnight—Musical Musketeers
 12 to 1 a.m.—Wilt Gunzendorfer's Hotel Whitcomb Dance Band

299.8 Meters **KFVD** **Channel 100**
1000 Kcys. **250 Watts**
 Auburn Fuller, Culver City, Calif.

7 to 9 a.m.—Happy-Go-Lucky Trio
 9 a.m.—Madame Zollar's beauty talk
 9:30 a.m.—Dan Maxwell, Scotch comedian
 12 noon—Tom Breneman
 12:30 p.m.—Tom and Wash
 1 p.m.—G. Allison's program
 2:30 p.m.—Hal Roach Comedy Gossip
 3 p.m.—Auburn Hour
 4 p.m.—Eldorado program
 4:40 p.m.—Timely Topics
 9 p.m.—Happy-Go-Lucky Trio
 10 p.m.—Auburn Concert Orchestra
 11 to 1 a.m.—Sebastian's Cotton Club Orchestra

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

6:45 to 7 a.m.—Inspirational Service
 7 to 7:30 a.m.—Peppy Morning Varieties
 7:30 to 8 a.m.—Headliners
 8 to 9 a.m.—Shell Happy Time, KPO
 9 to 10 a.m.—Musical Bazaar
 10 to 10:45 a.m.—Nat'l Farm and Home Hour, NBC
 10:45 to 11 a.m.—Sunshine program
 11 to 11:30 a.m.—Matched Unit Trio
 11:30 to 12 noon—Farmers' Service Hour, news
 12 to 12:15 p.m.—Nat'l Sav. luncheon program
 12:15 to 12:30 p.m.—Studio program
 12:30 to 1 p.m.—Gold Seal program
 1 to 1:30 p.m.—Crosley Musical Review
 1:30 to 1:45 p.m.—Miss Modern shops a la mode
 1:45 to 2 p.m.—Fur Facts
 2 to 3 p.m.—Washington Home Service
 3 to 3:30 p.m.—Theatrical Review
 3:30 to 4 p.m.—Paint o' Mine period
 4 to 5 p.m.—Concert orchestra
 5 to 5:30 p.m.—Lyric Challengers, NBC
 5:30 to 6 p.m.—Concert orchestra
 6 to 7 p.m.—General Electric, NBC
 7 to 8 p.m.—Lucky Strike Hour, NBC
 8 to 8:30 p.m.—Temple of the Air, NBC
 8:30 to 9 p.m.—Matched Unit Trio
 9 to 9:30 p.m.—Launderland Lyrics, NBC
 9:30 to 10 p.m.—Dutch Dough Boys
 10 to 10:30 p.m.—Retail Druggists
 10:30 to 11 p.m.—Studio program
 11 to 12 midnight—Musical Musketeers, NBC

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

7:30 a.m.—Market quotations
 8 a.m.—Shell Happy Time from KPO
 9 a.m.—Sylvia's Happy Hour
 10 a.m.—National Farm and Home Hour, NBC
 11:45 a.m.—French lessons by Annette Doherty
 12 noon—Dept. of Agriculture talks
 12:15 p.m.—Federal and state market reports
 2 p.m.—California vs. Stanford football game
 (Palo Alto) broadcast
 5 p.m.—"The Lyric Challenges," NBC
 5:45 p.m.—Stock market reports
 6 p.m.—General Electric Hour, NBC
 7 p.m.—Lucky Strike Hour, NBC
 8 p.m.—Temple Corp., NBC
 8:30 p.m.—Earle C. Anthony, Inc., program
 9 p.m.—"Launderland Lyrics," NBC
 9:30 p.m.—Concert orchestra and soloists
 11 p.m.—KFI midnight frolic

319 Meters **KOIN** **Channel 94**
940 Kcys. **1000 Watts**
 KOIN, Inc., Portland, Oregon

8 to 9 a.m.—Household Twins
 9 to 9:30 a.m.—Organ recital
 9:30 to 9:50 a.m.—Home Economics
 9:50 to 11:45 a.m.—Shoppers' Guide and town topics
 11:45 to 12 noon—Vocal program
 12 to 1 p.m.—Luncheon concert
 1 to 1:30 p.m.—Organ recital
 1:30 to 2 p.m.—Orchestra
 2 to 5 p.m.—News items and music
 5 to 6 p.m.—Orchestra
 6 to 6:30 p.m.—"Joe and Vi," CBS
 6:30 to 7 p.m.—Benson Hotel orchestra
 7 to 8 p.m.—Paramount Publix Hour, CBS
 7:30 to 8 p.m.—Novelty program
 8 to 10 p.m.—Orchestra programs
 10 to 11 p.m.—Syncopators
 11 to 12 midnight—Warner Stone's orchestra

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

7:57 a.m.—Inspirational services
 8 a.m.—Shell Happy Time
 9 a.m.—Y. M. C. A. health exercises
 9:15 a.m.—Theatre organ recital
 10 a.m.—National farm and home hour, NBC
 10:45 a.m.—Orchestra; Dorothea Wei and Fred Lynch
 11:45 a.m.—Mary Blake recipe talk
 12 noon—Orchestra; Greenwood Mitchell, bari-tone
 12:15 p.m.—"What to Prepare for Dinner"
 12:30 p.m.—Orchestra; G. Donald Gray and Rhena Marshall
 2 p.m.—University of California vs. Stanford University football
 4:45 p.m.—Stock and bond quotations
 5 p.m.—Lyric Challengers, NBC
 5:30 p.m.—Artistic Ensemble
 6 p.m.—General Electric Co. program, NBC
 7 p.m.—Lucky Strike Dance Hour, NBC
 8 p.m.—Temple of the Air, NBC
 8:30 p.m.—Marmola So-A-Tone broadcast
 8:45 p.m.—Mixed quartet in vocal recital
 9 p.m.—Launderland Lyrics, NBC
 9:30 p.m.—Concert orchestra with male quartet
 10 p.m.—News flashes
 10:15 p.m.—Orchestra; Perdin Korsmo and VeOna Socolofsky
 11 p.m.—Musical Musketeers, NBC
 12 to 12:30 a.m.—Organ recital

SATURDAY Programs

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

Pacific Broadcasting Corp., San Francisco
9 to 9:30 a.m.—Request recorded program
9:30 to 10 a.m.—Fox and Warfield theatres
10 to 11 a.m.—Recorded program
11 to 12 noon—California Sunshine Hour
12 to 1:30 p.m.—Popular recordings
1:30 to 2:30 p.m.—Classical recordings
2:30 to 4 p.m.—Recordings
4 to 4:30 p.m.—Santa Claus from the Emporium
4:30 to 5 p.m.—Recordings
5 to 6 p.m.—Saphire Musical Gems
6 to 6:30 p.m.—James Dickie and Leland Morgan
6:30 to 7 p.m.—Program for Fox and Warfield
7 to 7:15 p.m.—George Taylor and Clem Kennedy
7:15 to 7:30 p.m.—Cecil and Sally
7:30 to 8:30 p.m.—Pacific Artists' Trio, with Claire Upshur, soprano
8:30 to 9 p.m.—Constance Piper, George Nickson and The Girl Friend
9 to 10 p.m.—Pacific Artists' Trio, with Dorothy Lewis, contralto
10 to 11 p.m.—Dance recordings
11 to 12 midnight—Byington Electric program
12 to 2 a.m.—All request program

499.7 Meters **KFSD** **Channel 60**
600 Kcys. **1000 Watts**
Airfan Radio Corp., San Diego, Calif.

8:30 to 8:45 a.m.—Mr. Martinez, Spanish lesson
8:45 to 9 a.m.—Good Cheer program
9 to 10 a.m.—Morning musicale
10 to 11 a.m.—Amy Lou shopping hour
11 to 11:15 a.m.—Prof. W. T. Harbottle
11:15 to 12:30 p.m.—Lloyd Peck's service hour
12:30 to 1 p.m.—Popular records
2:30 to 3:30 p.m.—Organ concert
3:30 to 3:45 p.m.—Fashions for women
3:45 to 5 p.m.—Studio program
5 to 6 p.m.—Nightly musical review
6 to 6:10 p.m.—Stock reports
6:10 to 6:25 p.m.—Late news items
6:25 to 7 p.m.—Hawaiians with Leah McMahon
7 to 8 p.m.—Trio; Ruth Merrill Bence, contralto
8 to 8:30 p.m.—Rosie Roseman, Dorothy Durham
8:30 to 9 p.m.—Blanche Wood, girl baritone
9 to 10 p.m.—Esther Rogers, Marea Rude
10 to 11 p.m.—Nashold's Downtown Ballroom
11 to 12 midnight—Hotel Del Coronado Orch.

220.4 Meters **KGER** **Channel 136**
1360 Kcys. **100 Watts**
C. M. Dobyms, Long Beach, Calif.

1 p.m.—Hawaiian music
1:30 p.m.—Wurlitzer organ
2:30 p.m.—Long Beach Band concert
4:30 p.m.—Edna Bond, blues
5 p.m.—Wurlitzer organ
6 p.m.—News and bulletins
6:15 p.m.—Charles Cook, vocal
6:30 p.m.—Triolian Trio
7 p.m.—Church announcements
7:30 p.m.—Long Beach Band concert
9 p.m.—Wurlitzer, Nixon
9:30 p.m.—Betty and Wanda
10 p.m.—Irma Jasper, violin; Margaret Underhill, piano
11 p.m.—Rhythm Makers

340.7 Meters **KLX** **Channel 88**
880 Kcys. **500 Watts**
Tribune Publishing Co., Oakland, Calif.

7 to 8 a.m.—Exercises
7:35 a.m.—Opening N. Y. stocks
8 to 9 a.m.—Jean Kent
9 to 9:30 a.m.—Modern Homes period
9:30 to 10:15 a.m.—Health questions answered
10:15 to 10:30 a.m.—S. F. stocks; weather
10:30 to 11 a.m.—Recordings
11 to 12 noon—Classified adv. hour
12 to 12:55 p.m.—Machado's KLX Hawaiians
12:55 to 1 p.m.—S. F. stocks, closing prices
1 to 2 p.m.—Jean's Hi-Lights
2 to 2:30 p.m.—Recordings
2:30 to 4:30 p.m.—Football—Stanford vs. U. C.
4:30 to 5 p.m.—Chas. T. Besserer, organist
5 to 5:30 p.m.—Brother Bob
5:30 to 6 p.m.—Cressy Ferra, pianist
6 to 7 p.m.—Hotel Oakland concert trio
7 to 7:30 p.m.—News items
7:30 to 8 p.m.—Rhinarid and Scott
8 to 9 p.m.—Helen Parmelee, pianist; Helga Brown, soprano; Grace Burroughs, violinist
9 to 10 p.m.—Chuck Dutton's Hotel Oakland dance band

223.7 Meters **KMO** **Channel 134**
1340 Kcys. **500 Watts**
KMO, Inc., Tacoma, Washington

4:30 to 5 p.m.—KMO Matinee
5 to 5:15 p.m.—Radio Sales Co.
5:15 to 5:45 p.m.—Supreme Radio Service
5:45 to 6 p.m.—B. Paulson, jeweler
9 to 11 p.m.—Carter Lee and His Little Sparks from the Greenwich Coliseum

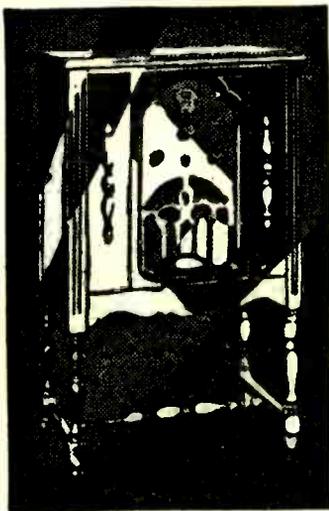
SERVICEGRAM

A power detector reduces a. c., hum, eliminates one stage of audio amplification, and gives quieter reproduction and less distortion. To compensate for loss of signal strength, a power detector usually has increased radio frequency amplification ahead of it.

* * *

Radio has found a new use for the pig's squeal. The celebrated mail of the air lines known as "heterodyne," converted into music by Professor Leon Theremin of Russia, has been purchased, in instrument form by the Radio Corporation of America, and is being developed into whatever it can be developed into. It is played by waving of the hands. The right hand, waved to and fro, changes the pitch. The left hand changes the volume. By making the motions of an extensive orchestra conductor, anyone who can play a melody or hum a tune can make music with it. The harmony is pure and clear, and while somewhat similar to a musical saw, is said to have a much greater resonance. It is to be heard shortly over a network program, it is understood.

FREED RADIO



MODEL NR-55
(Less Tubes)

\$99⁵⁰

8-Tube Neurodyne for
house-current operation.
Push-Pull amplification.
Inductor Dynamic
Speaker. Cabinet of
Walnut Veneer.

THE NEW
FREED RADIO
AT NEW VALUES!

You can now buy the new FREED—with radio quality that is without a peer—at a price which appeals to the most moderate income. This has been made possible by the new factory, enlarged facilities, an expert corps of engineers. Efficient production means low cost—and low costs point to ultimate consumer gain—A demonstration on the new FREED set will tell you more than a bookful of ads.

**SEE THE NEW FREED AT
YOUR DEALERS**

Other Models \$145.00 to \$225.00 Less Tubes

PACIFIC WHOLESALE RADIO, INC.

Seventh and Folsom Streets, San Francisco